Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2511944

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Project Name: CORAM MATERIALS
Project Number: 2232.0006Y005

Lab Number: L2511944
Report Date: 03/28/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2511944-01	MW-11S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 08:30	03/04/25
L2511944-02	MW-10S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:40	03/04/25
L2511944-03	MW-10D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:20	03/04/25
L2511944-04	MW-13S	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 13:55	03/04/25
L2511944-05	MW-13D	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 13:22	03/04/25
L2511944-06	MW-1SR	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 10:57	03/04/25
L2511944-07	MW-1DR2	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 10:05	03/04/25
L2511944-08	DUP_03042025	WATER	416 MILLER PLACE-YAPHANK ROAD	03/04/25 12:00	03/04/25
L2511944-09	EQUIPMENT BLANK	EQUIPMENT BLANK	416 MILLER PLACE-YAPHANK ROAD	03/04/25 15:30	03/04/25
L2511944-10	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK ROAD	03/04/25 00:00	03/04/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission
March 28, 2025: This final report includes the results of all requested analyses.
March 19, 2025: This is a preliminary report.
March 11, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Amonnium, Iodide, RA226/228/230, Sulfide, Thorium, and Uranium were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Total Metals
The WG2038522-3/-4 MS/MSD recoveries performed on L2511944-06 are outside the acceptance criteria for potassium (130%/126%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (126%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Dissolved Metals
The WG2038531-4 MSD recovery performed on L2511944-06 is outside the acceptance criteria for potassium (127%). A post digestion spike was performed and yielded an unacceptable recovery for potassium (126%). The serial dilution recovery was not applicable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

Nitrogen, Total Kjeldahl
The WG2037321-4 MS recovery performed on L2511944-06 is outside the acceptance criteria for nitrogen, total kjeldahl (113%); however, the associated LCS recovery is within criteria. No further action was taken.

Case Narrative (continued)

Anions by Ion Chromatography

The WG2038111-3/-4 MS/MSD recoveries performed on L2511944-06 are outside the acceptance criteria for bromide (82%/82%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristen Walker Report Date: 03/28/25

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Pace Job Number : L2511944

Received : 04-MAR-2025
Reviewer : Mohammed Wahed

Account Name : Roux Env. Eng. & Geology, DPC
Project Number : 2232.0006Y005
Project Name : CORAM MATERIALS

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.3	
B	Absent/	Ice	2.2	
C	Absent/	Ice	2.0	
D	Absent/	Ice	2.7	
E	Absent/	Ice	2.0	
F	Absent/	Ice	2.2	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NO**

Comments

L2511944-09L Correct time
L2511944-09M Correct time

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005
Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected

L2511944-01 MW-11S 1 S0 04MAR25 08:30

772498196133 43.09 NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs 772497419527 37.30 ASP-B Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,ASP-B,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SHIPPING,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-LEVEL5,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

L2511944-02 MW-10S 1 S0 04MAR25 15:40

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005
Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT, NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226, SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI, CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

L2511944-03 MW-10D 1 S0 04MAR25 15:20

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT, NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI, PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected
L2511944-04	MW-13S		1	S0 04MAR25 13:55

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT, NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI, PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

Sample #	Client ID	Mat	PR	Collected
L2511944-05	MW-13D		1	S0 04MAR25 13:22

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005
Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT, NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI, PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

L2511944-06 MW-1SR 1 S0 04MAR25 10:57

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs L2511944-06 MS L2511944-06 MSD Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,MS/MSD,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI, NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

L2511944-07 MW-1DR2 1 S0 04MAR25 10:05

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944
Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005
Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,
NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-
RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,
PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-
UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-
351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

L2511944-08	DUP_03042025		1 S0	04MAR25 12:00

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT,
NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-SULFIDE,TAL-2007S,AG-RI,AL-
RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI,CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,
PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-
UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-
351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Apr 01 2025, 01:59 pm

Login Number: L2511944

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 04MAR25 Due Date: 28MAR25

Sample #	Client ID	Mat	PR	Collected
L2511944-09	EQUIPMENT BLANK	S0	1	04MAR25 15:30

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-4500,F-4500,NO2-4500NO3,NO3-4500,NYTCL-8260,NYTCL-8270/SIM-RVT, NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-4500,SUB-AMMONIUM,SUB-IODIDE,SUB-ISOTOPIC-URANIUM,SUB-RA226, SUB-RA228,SUB-SULFIDE,SUB-THORIUM,TAL-2007S,AG-RI,AL-RI,AS-RI,BA-RI,BE-RI,CA-RI,CD-RI,CO-RI,CR-RI, CU-RI,FE-RI,HG-R,K-RI,MG-RI,MN-RI,NA-RI,NI-RI,PB-RI,PREPR,SB-RI,SE-RI,TL-RI,V-RI,ZN-RI,TAL-600,AG-UI,AL-UI,AS-UI,BA-UI,BE-UI,CA-UI,CD-UI,CO-UI,CR-UI,CU-UI,FE-UI,HG-U,K-UI,MG-UI,MN-UI,NA-UI,NI-UI,PB-UI,PREPU,SB-UI,SE-UI,TL-UI,V-UI,ZN-UI,TDS-2540,TKN-351,TOTALNITROGEN,NO3/NO2-4500,TNITROGEN,TPO4-4500,TSS-2540

Sample #	Client ID	Mat	PR	Collected
L2511944-10	TRIP BLANK	S0	1	04MAR25 00:00

NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8260: Report list built, includes non routine compounds NYTCL-8270-LV: Report list built I: Non-Routine: ;1,2,4,5-Tetrachlorobenzene;Atrazine;Benzaldehyde;Caprolactam Please log "hold" products, do not log as "contingent" Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound metals-need PPB products for NJ based jobs Package Due Date: 03/28/25

NYTCL-8260

Logged By: Jennifer Byrnes

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab 3/5/25

L2511944
ROUX – NY

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place-Yaphank Road
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/ Br-300	NO3-4500	NO2-4500	TOTALNITROGEN(tkn 35	Total Bottles
11944-01	MW-11S	3/4/25	830	AQ	BW	X	X	X	X	X	X	X	X	15
-02	MW-10S	3/4/25	1540		AI	X	X	X	X	X	X	X	X	15
-03	MW-10D	3/4/25	1520		BW	X	X	X	X	X	X	X	X	15
-04	MW-13S	3/4/25	1355		AI	X	X	X	X	X	X	X	X	15
-05	MW-13D	3/4/25	1322		BW	X	X	X	X	X	X	X	X	15
-06	MW-15R	3/4/25	1057		BW	X	X	X	X	✓	✓	X	X	15
-07	MW-10R2	3/4/25	1005		AI	X	X	X	X	X	X	X	X	15
-08	DUP_03042025	3/4/25	1200	✓	AI	X	X	X	✓	X	X	X	X	15
-09	Equipment blank	3/4/25	1530	✓	AI	X	X	X	X	X	X	X	X	15
-10	Trip blank	3/4/25	—		—	X								2

Sample Filtration
☑ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

	V	A	P	A	P	A	A	A
Container Type								
Preservative	B	A	C	A	A	D	D	D

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/4/2025 1610	SSMR	3-4-25 1610
SSMR	3-4-25 1935	Anthony Green	MAR 04 2025 0045
Anthony Green		[signature]	3/5/25 0145
[signature]	3/5/25 0145	[signature]	3/5/25 0145

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 3

Date Rec'd in Lab: 3/5/25

ALPHA Job #: L2511944

Client Information
Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information
Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.00006
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
SUB IODIDE send from WB to PACE INDY/ SUB AMMONIUM send from WB to Galbraith Laboratories

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SO4-4500	Alk-HCO3-2320	Alk-CO3-2320	F-4500	TPO4-4500	SUB-IODIDE	SUB-AMMONIUM	Sample Specific Comments	Total Bottles
11944-01	MW-11S	3/4/2025	8:30	AQ	BW	X	X	X	X	X	X	X		15
-02	MW-10S	3/4/2025	15:40	AQ	AI	X	X	X	X	X	X	X		15
-03	MW-10D	3/4/2025	15:20	AQ	BW	X	X	X	X	X	X	X		15
-04	MW-13S	3/4/2025	1355	AQ	AI	X	X	X	X	X	X	X		15
-05	MW-13D	3/4/2025	1322	AQ	BW	X	X	X	X	X	X	X		15
-06	MW-15R	3/4/2025	10:57	AQ	BW	X	X	X	X	X	X	X		15
-07	MW-10R2	3/4/2025	10:05	AQ	AI	X	X	X	X	X	X	X		15
-08	DUP-03042025	3/4/2025	1200	AQ	AI	X	X	X	X	X	X	X		15
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X	X	X	X		15
-10	TRIP blank	3/4/2025	—	AQ	—									2

Container Type: P P P P A P P
Preservative: A A A A D A D

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/4/2025 1800	SSmz	3-4-25 1630
SSmz	3-4-25 1935	Anthony Green	MAR 04 2025 2015
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0905

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL LABORATORIES

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/5/25

ALPHA Job #: L2511944

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location: 416 Miller Place/Yaphank Rd
Project #: 2232.0006Y005
(Use Project name as Project #): ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

Standard: ☑ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
SUB Uranium/Thorium/RA226/RA228 Send to PACE Greensburg

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sub-Uranium: HASL 300	Sub-Thorium: HASL 300	Sub-Re228: 904.0	Sub-RA226: 903.1	Sample Specific Comments	Total Bottle
11944-02	MW-10S	3/4/2025	1540	AQ	AI	X	X	X	X		4
-09	Equipment blank	3/4/2025	1530	AQ	AI	X	X	X	X		4
Container Type						P	P	P	P		
Preservative						C	C	C	C		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/4/2025 1620	SSmz	3.4.25 1630
SSmz	3.4.25 1935	Anthony Green	MAR 04 2025 2345
Anthony Green		[signature]	3/5/25 0140
[signature]	3/5/25 0140	[signature]	3/5/25 0905

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ALPHA

Westborough, MA 01581
8 Walkup Dr.
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Page 3 of 3

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: ROUX Env Eng &Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006YD05
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

Standard ☑
Rush (only if pre approved) ☐
Due Date:
# of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Sample Specific Comments	Total Bottle
	MW-11S	3/4	8:30	AQ	DW	X		15
	MW-10S	3/4	13:40		AI	X		15
	MW-10D	3/4	15:20		BW	X		15
	MW-13S	3/4	1355		AI	X		15
	MW-13D	3/4	1322		BW	X		15
	MW-15R		1057		BW	X		15
	MW-DR2		1003		AI	X		15
	DUP-03042025		1208		AI	X		15
	Equipment blank		1530		AI	X		15
	Trip blank		-					2

Container Type: P
Preservative: C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3/4/2025 1630	SSnL	3.4.25 1630

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS

Form No: 01-25 (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2511944
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Trip Blank (Aqueous)/Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-11S (L2511944-01)	97	100	100	108	0
MW-10S (L2511944-02)	97	100	100	106	0
MW-10D (L2511944-03)	99	99	99	107	0
MW-13S (L2511944-04)	99	100	99	105	0
MW-13D (L2511944-05)	98	100	100	107	0
MW-1SR (L2511944-06)	102	99	100	109	0
MW-10R2 (L2511944-07)	99	100	97	107	0
DUP_03042025 (L2511944-08)	100	102	98	109	0
EQUIPMENT BLANK (L2511944-09)	100	99	97	106	0
TRIP BLANK (L2511944-10)	98	100	99	108	0
WG2038627-3LCS	85	103	100	97	0
WG2038627-4LCSD	98	98	98	102	0
WG2038627-5BLANK	99	99	99	107	0
MW-1SRMS	95	99	97	103	0
MW-1SRMSD	98	100	97	103	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038627-3 **Analysis Date** : 03/07/25 18:33	**File ID**	: J250307N01
LCSD Sample ID	: WG2038627-4 **Analysis Date** : 03/07/25 19:00	**File ID**	: J250307N02

	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
Methylene chloride	10	9.9	99	10	9.9	99	0	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.9	99	10	9.9	99	0	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	9.7	97	10	10	100	3	70-130	20
Dibromochloromethane	10	8.6	86	10	9.2	92	7	63-130	20
1,1,2-Trichloroethane	10	8.7	87	10	9.5	95	9	70-130	20
Tetrachloroethene	10	9.7	97	10	9.3	93	4	70-130	20
Chlorobenzene	10	10	100	10	9.5	95	5	75-130	20
Trichlorofluoromethane	10	10	100	10	9.4	94	6	62-150	20
1,2-Dichloroethane	10	9.0	90	10	9.8	98	9	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.8	98	2	67-130	20
Bromodichloromethane	10	9.7	97	10	9.4	94	3	67-130	20
trans-1,3-Dichloropropene	10	8.3	83	10	9.3	93	11	70-130	20
cis-1,3-Dichloropropene	10	9.1	91	10	9.8	98	7	70-130	20
Bromoform	10	7.3	73	10	8.9	89	20	54-136	20
1,1,2,2-Tetrachloroethane	10	7.7	77	10	9.4	94	20	67-130	20
Benzene	10	10	100	10	9.9	99	1	70-130	20
Toluene	10	10	100	10	9.6	96	4	70-130	20
Ethylbenzene	10	10	100	10	9.6	96	4	70-130	20
Chloromethane	10	11	110	10	10	100	10	64-130	20
Bromomethane	10	8.1	81	10	8.5	85	5	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038627-3 **Analysis Date** : 03/07/25 18:33	**File ID**	: J250307N01
LCSD Sample ID	: WG2038627-4 **Analysis Date** : 03/07/25 19:00	**File ID**	: J250307N02

	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
Trichloroethene	10	10	100	10	9.6	96	4	70-130	20
1,2-Dichlorobenzene	10	9.5	95	10	9.6	96	1	70-130	20
1,3-Dichlorobenzene	10	9.7	97	10	9.7	97	0	70-130	20
1,4-Dichlorobenzene	10	9.6	96	10	9.6	96	0	70-130	20
Methyl tert butyl ether	10	8.3	83	10	9.4	94	12	63-130	20
p/m-Xylene	20	20	100	20	19	95	5	70-130	20
o-Xylene	20	20	100	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	9.7	97	3	36-147	20
Acetone	10	10	100	10	8.6	86	15	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	9.7	97	10	8.7	87	11	63-138	20
4-Methyl-2-pentanone	10	8.1	81	10	8.7	87	7	59-130	20
2-Hexanone	10	8.6	86	10	8.6	86	0	57-130	20
Bromochloromethane	10	9.6	96	10	10	100	4	70-130	20
1,2-Dibromoethane	10	7.9	79	10	9.6	96	19	70-130	20
1,2-Dibromo-3-chloropropane	10	8.3	83	10	9.3	93	11	41-144	20
Isopropylbenzene	10	10	100	10	9.5	95	5	70-130	20
1,2,3-Trichlorobenzene	10	9.2	92	10	9.4	94	2	70-130	20
1,2,4-Trichlorobenzene	10	9.3	93	10	9.1	91	2	70-130	20
Methyl Acetate	10	8.6	86	10	9.4	94	9	70-130	20
Cyclohexane	10	9.6	96	10	9.2	92	4	70-130	20
Freon-113	10	9.8	98	10	9.5	95	3	70-130	20
Methyl cyclohexane	10	9.2	92	10	9.0	90	2	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/07/25 23:48
Matrix Spike	: WG2038627-6	**MS Analysis Date**	: 03/08/25 03:21
Matrix Spike Dup	: WG2038627-7	**MSD Analysis Date**	: 03/08/25 03:48

		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
Methylene chloride	ND	10	11	110	10	12	120	9	70-130	20
1,1-Dichloroethane	ND	10	11	110	10	12	120	9	70-130	20
Chloroform	ND	10	11	110	10	11	110	0	70-130	20
Carbon tetrachloride	ND	10	12	120	10	12	120	0	63-132	20
1,2-Dichloropropane	ND	10	12	120	10	11	110	9	70-130	20
Dibromochloromethane	ND	10	10	100	10	10	100	0	63-130	20
1,1,2-Trichloroethane	ND	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	ND	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	ND	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	12	120	9	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	12	120	9	67-130	20
Bromodichloromethane	ND	10	11	110	10	11	110	0	67-130	20
trans-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
Bromoform	ND	10	9.7	97	10	9.8	98	1	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	10	100	10	10	100	0	67-130	20
Benzene	ND	10	11	110	10	11	110	0	70-130	20
Toluene	ND	10	11	110	10	11	110	0	70-130	20
Ethylbenzene	ND	10	11	110	10	10	100	10	70-130	20
Chloromethane	ND	10	12	120	10	12	120	0	64-130	20
Bromomethane	ND	10	9.0	90	10	10	100	11	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/07/25 23:48
Matrix Spike	: WG2038627-6	**MS Analysis Date**	: 03/08/25 03:21
Matrix Spike Dup	: WG2038627-7	**MSD Analysis Date**	: 03/08/25 03:48

		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
Vinyl chloride	ND	10	13	130		10	13	130		0	55-140	20
Chloroethane	ND	10	14	140	Q	10	14	140	Q	0	55-138	20
1,1-Dichloroethene	ND	10	11	110		10	12	120		9	61-145	20
trans-1,2-Dichloroethene	ND	10	11	110		10	12	120		9	70-130	20
Trichloroethene	ND	10	11	110		10	11	110		0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100		10	10	100		0	70-130	20
1,3-Dichlorobenzene	ND	10	10	100		10	10	100		0	70-130	20
1,4-Dichlorobenzene	ND	10	10	100		10	10	100		0	70-130	20
Methyl tert butyl ether	ND	10	10	100		10	11	110		10	63-130	20
p/m-Xylene	ND	20	21	105		20	20	100		5	70-130	20
o-Xylene	ND	20	21	105		20	21	105		0	70-130	20
cis-1,2-Dichloroethene	ND	10	11	110		10	11	110		0	70-130	20
Styrene	ND	20	20	100		20	19	95		5	70-130	20
Dichlorodifluoromethane	ND	10	12	120		10	12	120		0	36-147	20
Acetone	5.7	10	9.4	37	Q	10	13	73		32	Q 58-148	20
Carbon disulfide	ND	10	11	110		10	12	120		9	51-130	20
2-Butanone	ND	10	10	100		10	9.7	97		3	63-138	20
4-Methyl-2-pentanone	ND	10	9.6	96		10	9.4	94		2	59-130	20
2-Hexanone	ND	10	9.2	92		10	9.1	91		1	57-130	20
Bromochloromethane	ND	10	11	110		10	12	120		9	70-130	20
1,2-Dibromoethane	ND	10	10	100		10	10	100		0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.7	97		10	9.6	96		1	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/07/25 23:48
Matrix Spike	: WG2038627-6	**MS Analysis Date**	: 03/08/25 03:21
Matrix Spike Dup	: WG2038627-7	**MSD Analysis Date**	: 03/08/25 03:48

		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
Isopropylbenzene	ND	10	10	100	10	10	100	0	70-130	20
1,2,3-Trichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	10	100	10	9.9	99	1	70-130	20
Methyl Acetate	ND	10	9.0	90	10	9.0	90	0	70-130	20
Cyclohexane	ND	10	11	110	10	11	110	0	70-130	20
Freon-113	ND	10	12	120	10	12	120	0	70-130	20
Methyl cyclohexane	ND	10	11	110	10	10	100	10	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2038627-5	**Lab File ID**	: J250307N05
Instrument ID	: JACK		
Matrix	: WATER	**Analysis Date**	: 03/07/25 20:19

Client Sample No.	Lab Sample ID	Analysis Date
WG2038627-3LCS	WG2038627-3	03/07/25 18:33
WG2038627-4LCSD	WG2038627-4	03/07/25 19:00
TRIP BLANK	L2511944-10	03/07/25 21:09
MW-11S	L2511944-01	03/07/25 21:35
MW-10S	L2511944-02	03/07/25 22:02
MW-10D	L2511944-03	03/07/25 22:28
MW-13S	L2511944-04	03/07/25 22:55
MW-13D	L2511944-05	03/07/25 23:22
MW-1SR	L2511944-06	03/07/25 23:48
MW-10R2	L2511944-07	03/08/25 00:15
DUP_03042025	L2511944-08	03/08/25 00:41
EQUIPMENT BLANK	L2511944-09	03/08/25 01:08
MW-1SRMS	WG2038627-6	03/08/25 03:21
MW-1SRMSD	WG2038627-7	03/08/25 03:48

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: JACK	**Analysis Date**	: 02/28/25 04:50
Tune Standard	: WG2035930-1	**Tune File ID**	: J250228BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 80.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.6 (.8)1
174	Greater than 50.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4)1
176	Greater than 95.0% but less than 101% of mass	82.5 (99)1
177	5.0 - 9.0% of mass 176	5.3 (6.5)2

1-Value is % of mass 174 2-Value is % of mass 176

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STDL0.19PP	R1936163-1	J250228A02	02/28/25 05:35
STDL0.5PPB	R1936163-2	J250228A03	02/28/25 06:02
STDL2PPB	R1936163-3	J250228A04	02/28/25 06:29
STDL10PPB	R1936163-4	J250228A05	02/28/25 06:55
STDL30PPB	R1936163-5	J250228A06	02/28/25 07:22
STDL80PPB	R1936163-6	J250228A07	02/28/25 07:48
STDL120PPB	R1936163-7	J250228A08	02/28/25 08:15
STDL200PPB	R1936163-8	J250228A09	02/28/25 08:42
ICV Quant Report	R1936163-9	J250228A13	02/28/25 10:28

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: JACK	**Analysis Date**	: 03/07/25 18:06
Tune Standard	: WG2038627-1	**Tune File ID**	: J250307BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.3
75	30.0 - 80.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (.9)1
174	Greater than 50.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	6.3 (7.5)1
176	Greater than 95.0% but less than 101% of mass	84.9 (100.)1
177	5.0 - 9.0% of mass 176	6.1 (7.2)2

1-Value is % of mass 174 2-Value is % of mass 176

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2038627-2CCAL	WG2038627-2	J250307N01	03/07/25 18:33
WG2038627-3LCS	WG2038627-3	J250307N01	03/07/25 18:33
WG2038627-4LCSD	WG2038627-4	J250307N02	03/07/25 19:00
WG2038627-5BLANK	WG2038627-5	J250307N05	03/07/25 20:19
TRIP BLANK	L2511944-10	J250307N06	03/07/25 21:09
MW-11S	L2511944-01	J250307N07	03/07/25 21:35
MW-10S	L2511944-02	J250307N08	03/07/25 22:02
MW-10D	L2511944-03	J250307N09	03/07/25 22:28
MW-13S	L2511944-04	J250307N10	03/07/25 22:55
MW-13D	L2511944-05	J250307N11	03/07/25 23:22
MW-1SR	L2511944-06	J250307N12	03/07/25 23:48
MW-10R2	L2511944-07	J250307N13	03/08/25 00:15
DUP_03042025	L2511944-08	J250307N14	03/08/25 00:41
EQUIPMENT BLANK	L2511944-09	J250307N15	03/08/25 01:08
WG2038627-6MS	WG2038627-6	J250307N20	03/08/25 03:21
WG2038627-7MSD	WG2038627-7	J250307N21	03/08/25 03:48

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: JACK	**Analysis Date**	: 03/07/25 18:33:00
Sample No	: WG2038627-2	**Lab File ID**	: J250307N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2038627-2	180282	5.92	129688	9.47	75468	12.19
Upper Limit	360564	6.42	259376	9.97	150936	12.69
Lower Limit	90141	5.42	64844	8.97	37734	11.69
Sample ID						
WG2038627-3 LCS	180282	5.92	129688	9.47	75468	12.19
WG2038627-4 LCSD	185842	5.92	138059	9.47	80194	12.19
WG2038627-5 BLANK	168343	5.92	127147	9.46	71928	12.19
TRIP BLANK	164406	5.92	123317	9.47	71655	12.19
MW-11S	164199	5.92	124175	9.47	71640	12.19
MW-10S	165048	5.92	123346	9.47	70520	12.19
MW-10D	163692	5.92	124029	9.47	72438	12.19
MW-13S	164412	5.92	123455	9.47	71439	12.19
MW-13D	163062	5.92	121931	9.47	70076	12.19
MW-1SR	160326	5.92	121716	9.47	69713	12.19
MW-10R2	163254	5.92	120839	9.47	71344	12.19
DUP_03042025	161404	5.92	120468	9.47	71975	12.19
EQUIPMENT BLANK	160856	5.92	121643	9.47	71311	12.19
MW-1SR MS	168058	5.92	123780	9.47	73223	12.19
MW-1SR MSD	164610	5.92	124417	9.47	73240	12.19

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

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

* Values outside of QC limits

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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

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 the laboratory.

Date Created: 03/15/23
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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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Created By: Jason Hebert
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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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 the laboratory.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N07	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N07	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.9	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N07	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N08	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N08	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	2.5	2.5	0.70	
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	7.9	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N08	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N09	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N09	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N09	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N10	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N10	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 22:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N10	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N11	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N11	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N11	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N12	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N12	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	5.7	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 23:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N12	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N13	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N13	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N13	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N14	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N14	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 00:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N14	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 01:08
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N15	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 01:08
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N15	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/08/25 01:08
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N15	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-10	**Date Collected**	: 03/04/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:09
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N06	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-10	**Date Collected**	: 03/04/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:09
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N06	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.7	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-10	**Date Collected**	: 03/04/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 21:09
Sample Matrix	: Trip Blank (aqueous)	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: J250307N06	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038627-5	**Date Collected**	: NA
Client ID	: WG2038627-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/07/25 20:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: J250307N05	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038627-5	**Date Collected**	: NA
Client ID	: WG2038627-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/07/25 20:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: J250307N05	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038627-5	**Date Collected**	: NA
Client ID	: WG2038627-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/07/25 20:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: RAW
Lab File ID	: J250307N05	**Instrument ID**	: JACK
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N06.D
Acq On : 7 Mar 2025 9:09 pm
Operator : JACK:MKS
Sample : L2511944-10,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 10 12:25:27 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.919	96	164406	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 91.19%		
63) Chlorobenzene-d5	9.466	117	123317	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.09%		
84) 1,4-Dichlorobenzene-d4	12.188	152	71655	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 94.95%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	46806	10.772 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.72%		
47) 1,2-Dichloroethane-d4	5.629	65	52464	9.840 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%		
64) Toluene-d8	7.618	98	162205	9.979 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.79%		
88) 4-Bromofluorobenzene	10.972	95	60490	9.868 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.901	50	72	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.116	94	1147	0.392 ug/L #	21
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.889	76	228	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.454	43	2142	1.691 ug/L #	76
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.564	43	132	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Jack\2025\250307N\
Data File : J250307N06.D
Acq On : 7 Mar 2025 9:09 pm
Operator : JACK:MKS
Sample : L2511944-10,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 10 12:25:27 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	5.983	95	178	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	7.687	92	316	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	0.000		0	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	9.470	91	87	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	12.106	146	42	N.D.		
106)	1,4-Dichlorobenzene	12.206	146	105	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

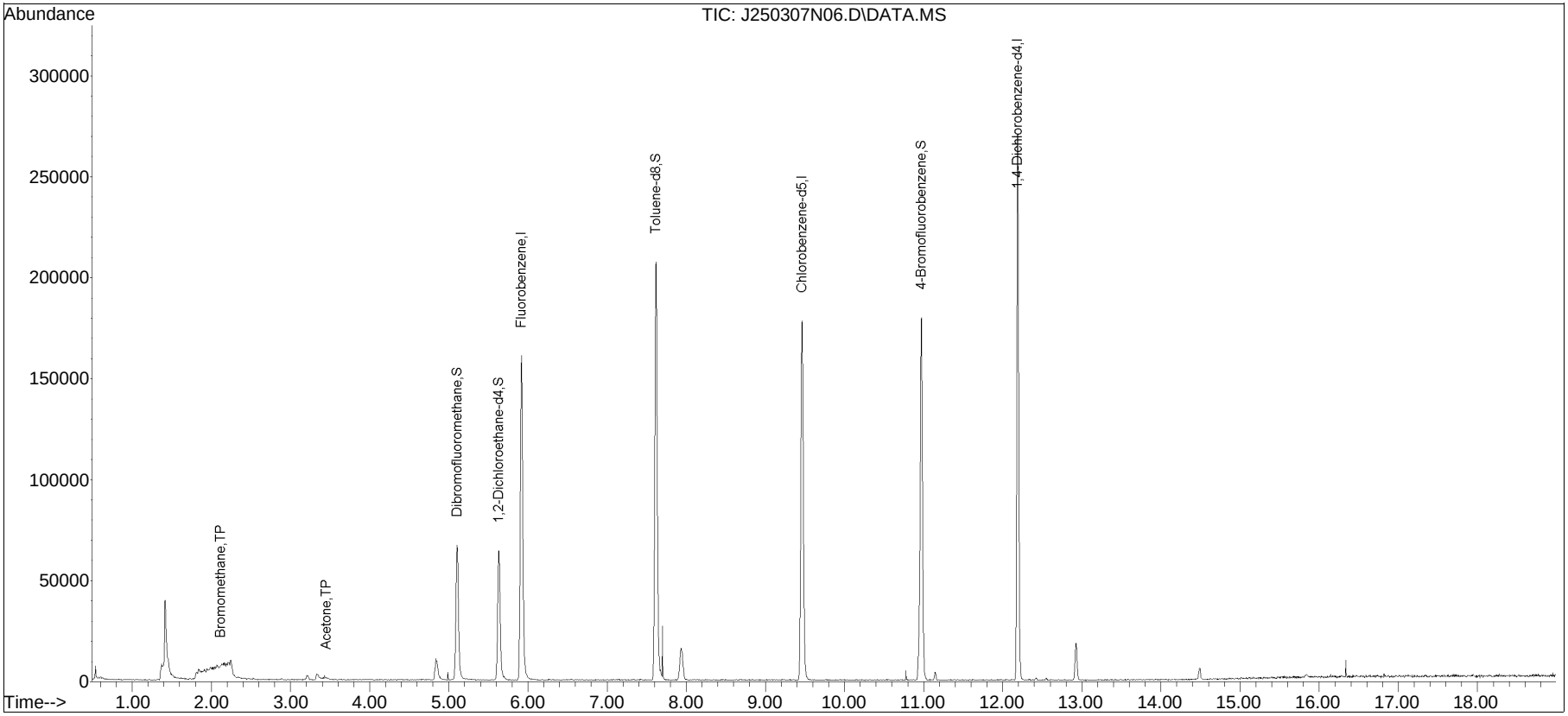
(#) = qualifier out of range (m) = manual integration (+) = signals summed

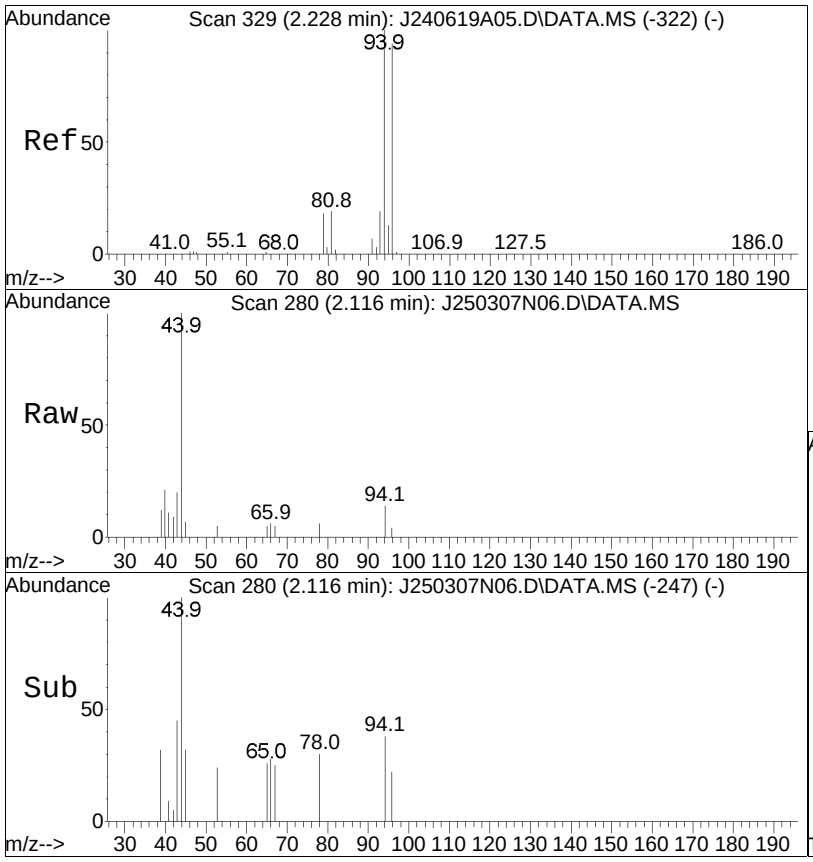
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N06.D
Acq On : 7 Mar 2025 9:09 pm
Operator : JACK:MKS
Sample : L2511944-10,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 10 12:25:27 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

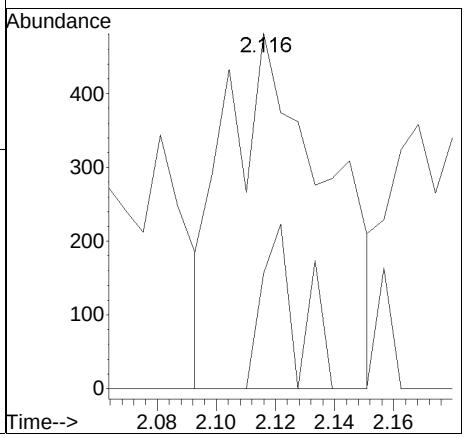


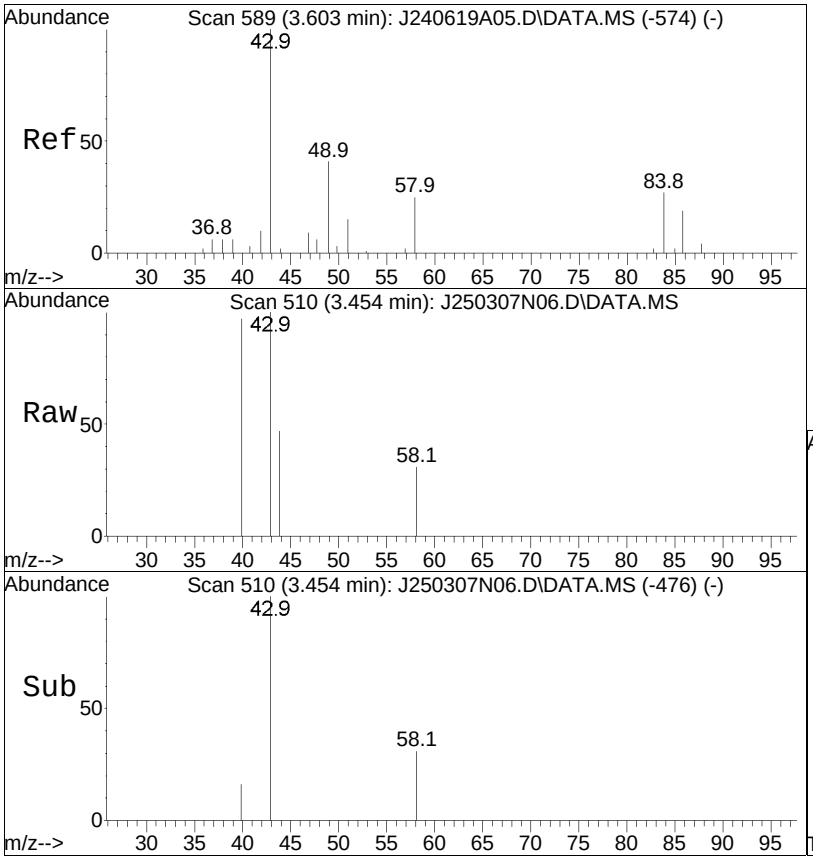


#5
Bromomethane
Concen: 0.39 ug/L
RT: 2.116 min Scan# 280
Delta R.T. -0.006 min
Lab File: J250307N06.D
Acq: 7 Mar 2025 9:09 pm

Tgt Ion: 94 Resp: 1147

Ion	Ratio	Lower	Upper
94	100		
96	16.8	73.7	110.5#

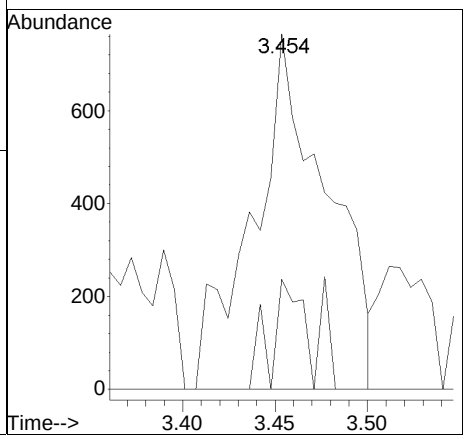




#17
Acetone
Concen: 1.69 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N06.D
Acq: 7 Mar 2025 9:09 pm

Tgt Ion: 43 Resp: 2142

Ion	Ratio	Lower	Upper
43	100		
58	13.1	20.1	30.1#



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N06.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 9:09 pm	Instrument	: Jack
Sample	: L2511944-10,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N07.D
Acq On : 7 Mar 2025 9:35 pm
Operator : JACK:MKS
Sample : L2511944-01,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 12:25:43 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	164199	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 91.08%		
63) Chlorobenzene-d5	9.466	117	124175	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.75%		
84) 1,4-Dichlorobenzene-d4	12.193	152	71640	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 94.93%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.111	113	46877	10.802 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.02%		
47) 1,2-Dichloroethane-d4	5.640	65	51705	9.710 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.10%		
64) Toluene-d8	7.618	98	163199	9.970 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%		
88) 4-Bromofluorobenzene	10.973	95	60980	9.950 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.104	94	129	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.890	76	55	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.465	43	2358	1.864 ug/L #	77
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Jack\2025\250307N\
Data File : J250307N07.D
Acq On : 7 Mar 2025 9:35 pm
Operator : JACK:MKS
Sample : L2511944-01,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 12:25:43 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	0.000		0	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	7.670	92	47	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	9.152	43	142	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	9.461	91	98	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	0.000		0	N.D.		
106)	1,4-Dichlorobenzene	0.000		0	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

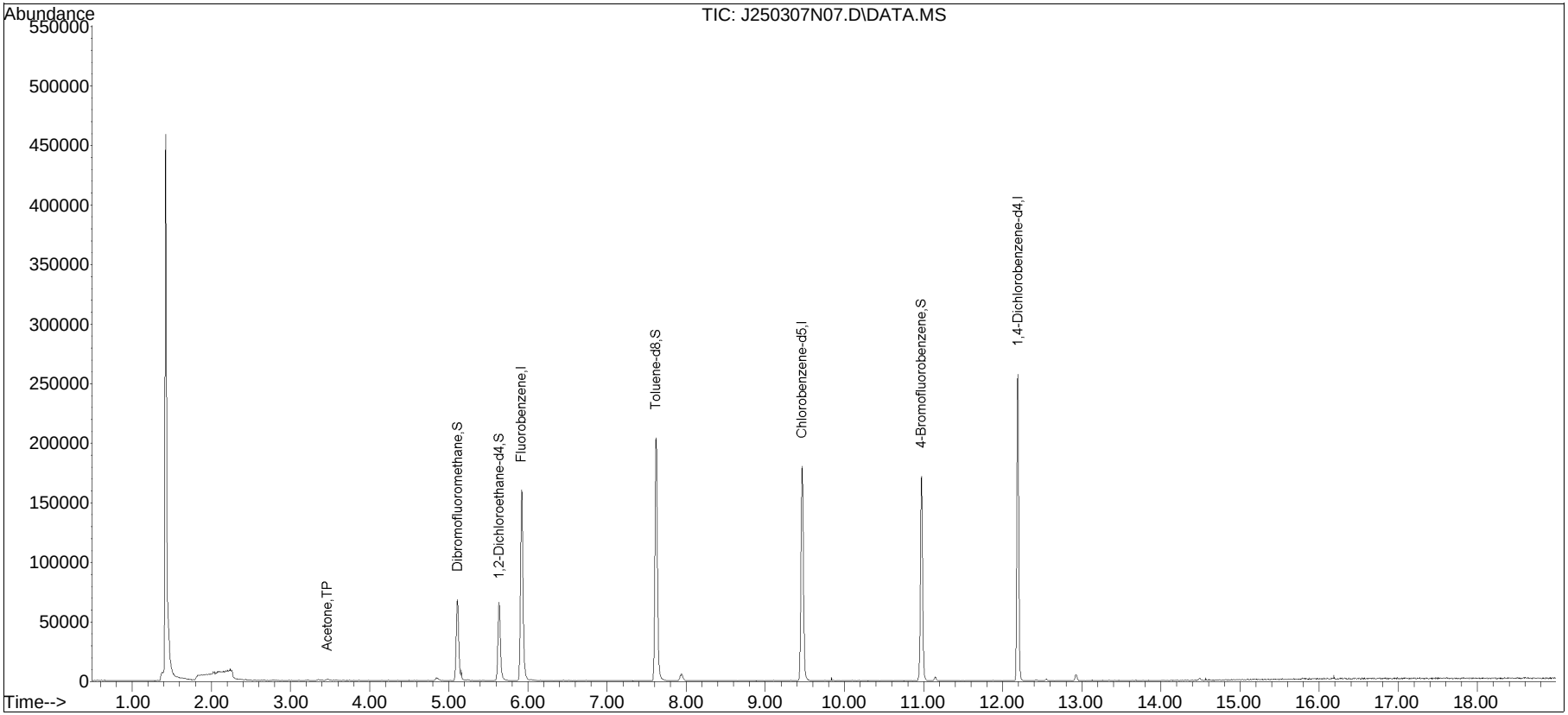
(#) = qualifier out of range (m) = manual integration (+) = signals summed

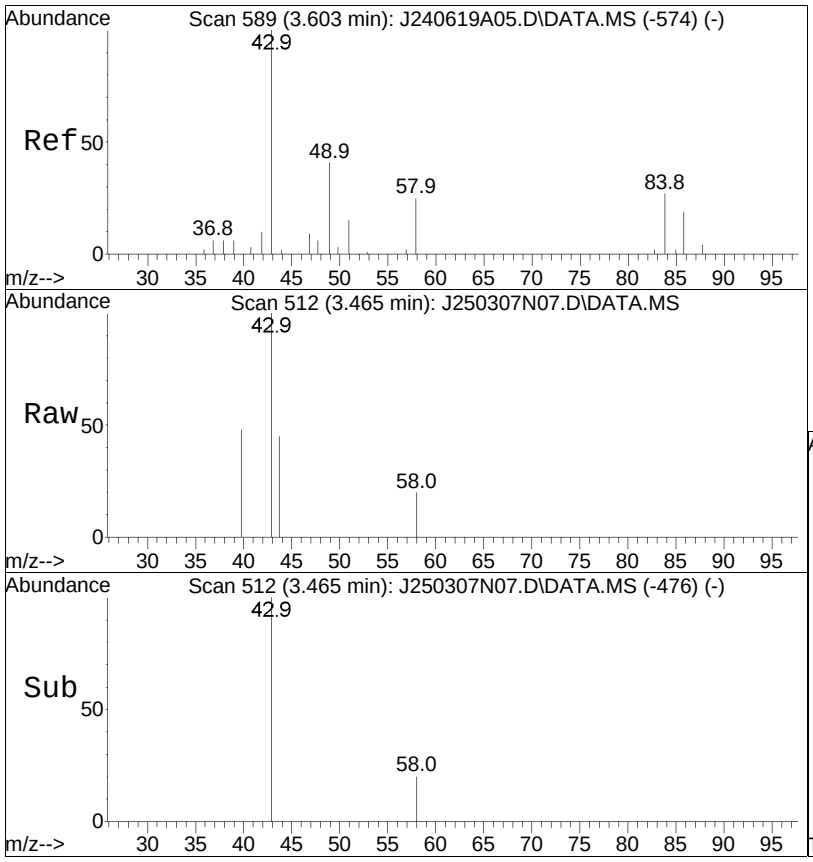
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N07.D
Acq On : 7 Mar 2025 9:35 pm
Operator : JACK:MKS
Sample : L2511944-01,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 12:25:43 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

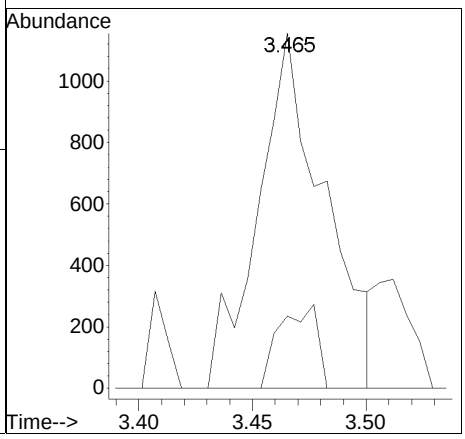




#17
Acetone
Concen: 1.86 ug/L
RT: 3.465 min Scan# 512
Delta R.T. 0.011 min
Lab File: J250307N07.D
Acq: 7 Mar 2025 9:35 pm

Tgt Ion: 43 Resp: 2358

Ion	Ratio	Lower	Upper
43	100		
58	13.4	20.1	30.1#



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N07.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 9:35 pm	Instrument	: Jack
Sample	: L2511944-01,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N08.D
Acq On : 7 Mar 2025 10:02 pm
Operator : JACK:MKS
Sample : L2511944-02,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 12:26:02 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	165048	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 91.55%			
63) Chlorobenzene-d5	9.466	117	123346	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.11%			
84) 1,4-Dichlorobenzene-d4	12.188	152	70520	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 93.44%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.105	113	46179	10.586	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.86%			
47) 1,2-Dichloroethane-d4	5.635	65	52144	9.742	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.42%			
64) Toluene-d8	7.623	98	162601	10.001	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.01%			
88) 4-Bromofluorobenzene	10.973	95	60053	9.955	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.55%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D. d		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.413	84	916	0.224	ug/L	94
17) Acetone	3.454	43	10019	7.880	ug/L	97
18) trans-1,2-Dichloroethene	3.564	96	10019	2.462	ug/L	85
19) Methyl acetate	0.000		0	N.D. d		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.658	96	301	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Jack\2025\250307N\
Data File : J250307N08.D
Acq On : 7 Mar 2025 10:02 pm
Operator : JACK:MKS
Sample : L2511944-02,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 12:26:02 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
45) Benzene	5.507	78	131	N.D.		
48) 1,2-Dichloroethane	5.699	62	389	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	6.077	95	54	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.683	92	760	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.275	43	42	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.557	91	43	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

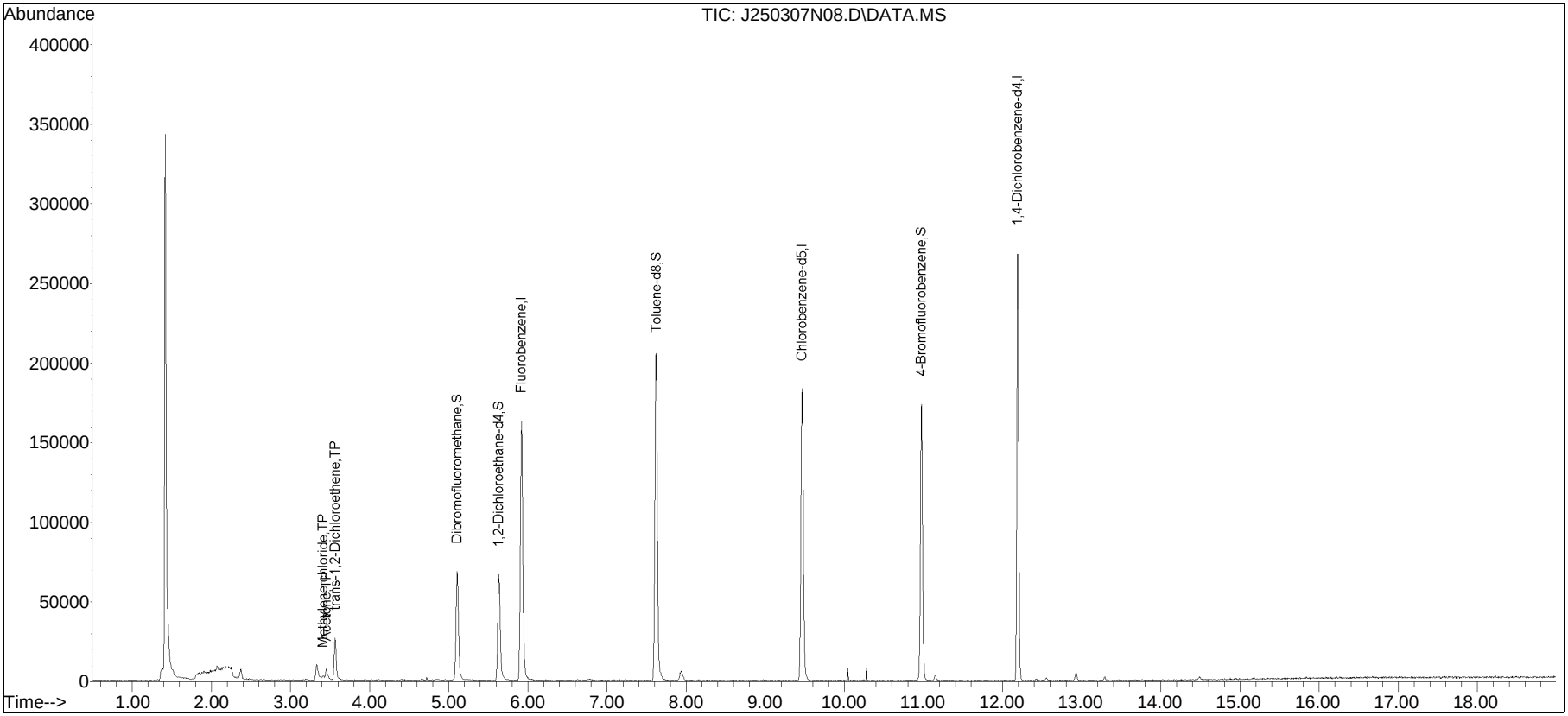
(#) = qualifier out of range (m) = manual integration (+) = signals summed

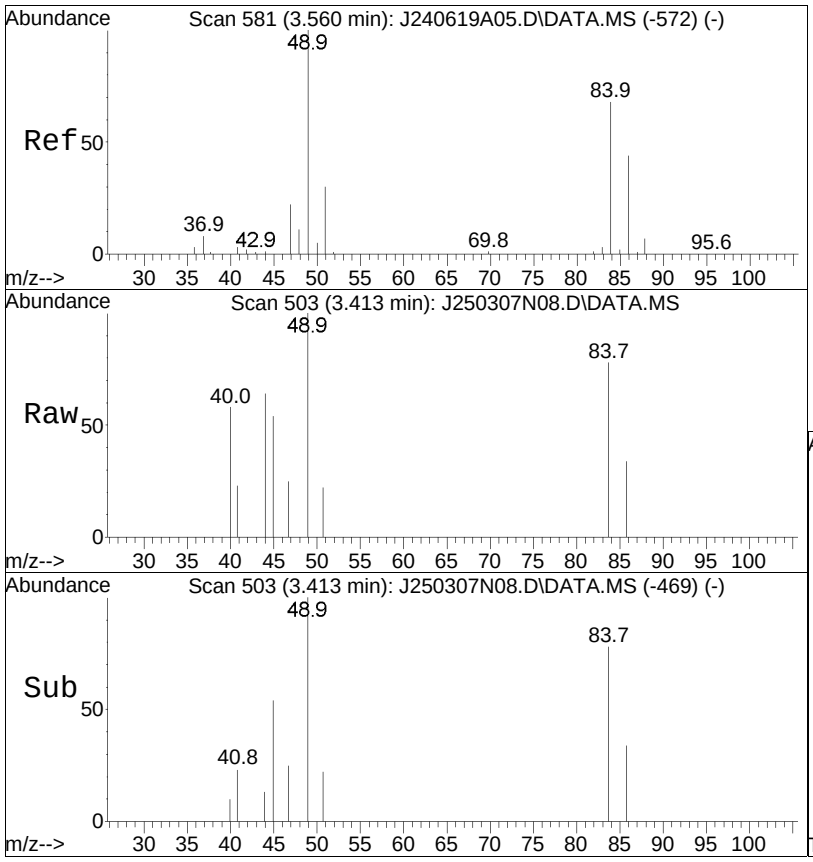
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N08.D
Acq On : 7 Mar 2025 10:02 pm
Operator : JACK:MKS
Sample : L2511944-02,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 10 12:26:02 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

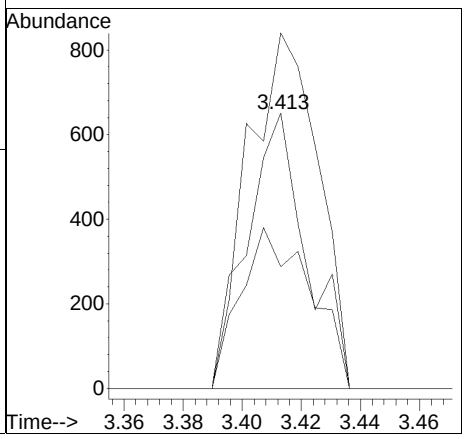


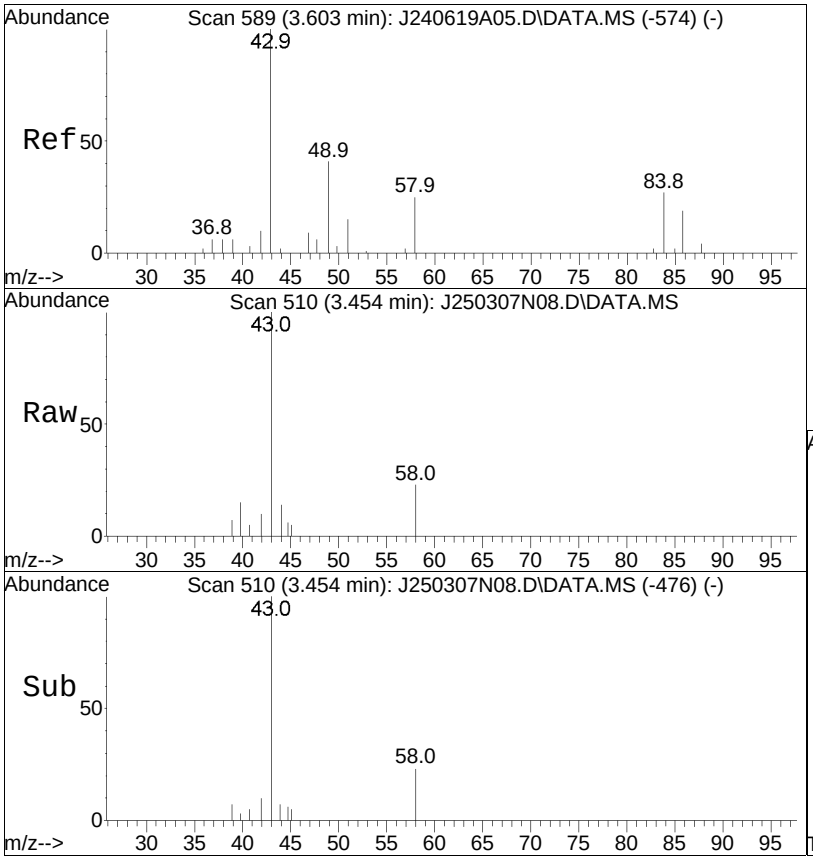


#15
Methylene chloride
Concen: 0.22 ug/L
RT: 3.413 min Scan# 503
Delta R.T. 0.000 min
Lab File: J250307N08.D
Acq: 7 Mar 2025 10:02 pm

Tgt Ion: 84 Resp: 916

Ion	Ratio	Lower	Upper
84	100		
86	68.1	41.7	86.5
49	151.1	103.9	215.9

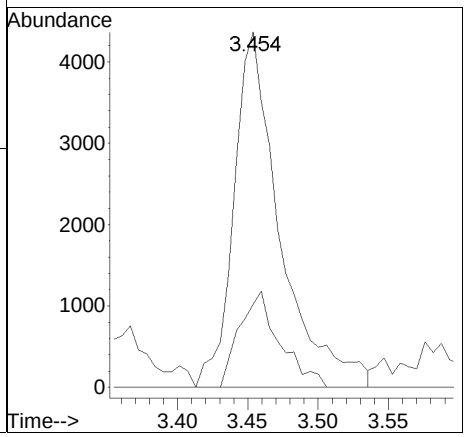


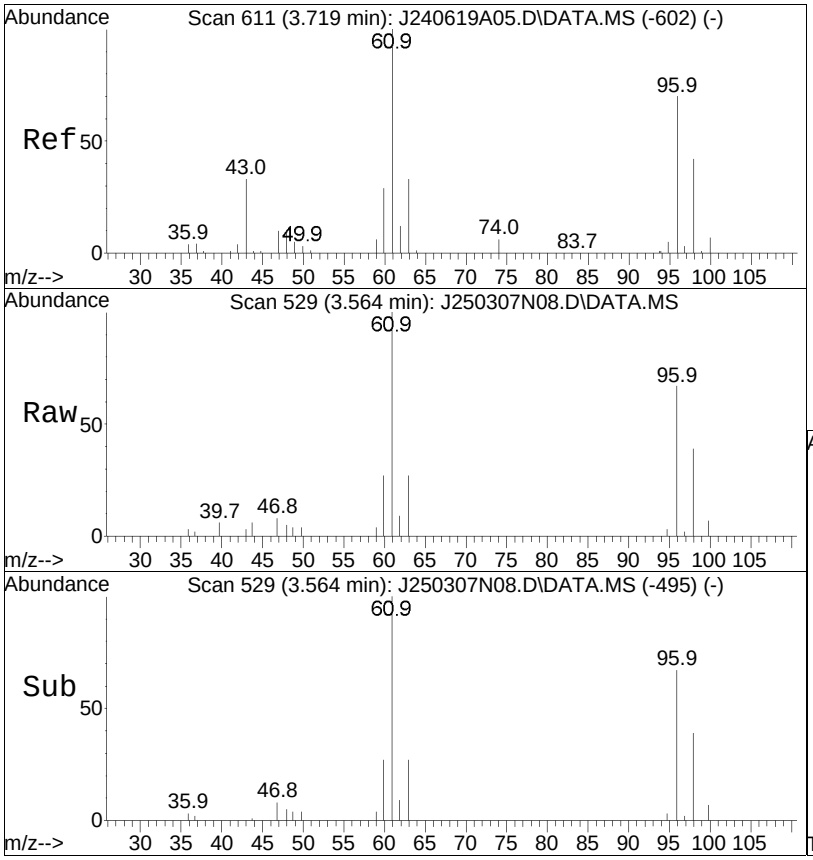


#17
Acetone
Concen: 7.88 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N08.D
Acq: 7 Mar 2025 10:02 pm

Tgt Ion: 43 Resp: 10019

Ion	Ratio	Lower	Upper
43	100		
58	23.6	20.1	30.1

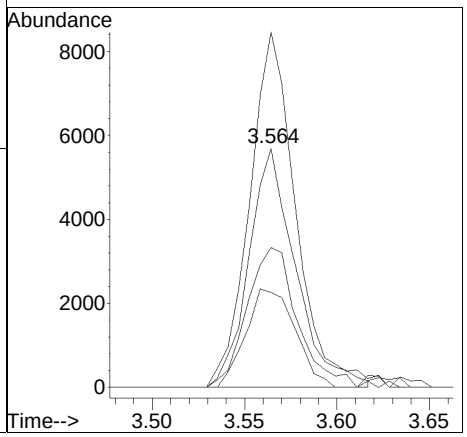




#18
trans-1,2-Dichloroethene
Concen: 2.46 ug/L
RT: 3.564 min Scan# 529
Delta R.T. 0.000 min
Lab File: J250307N08.D
Acq: 7 Mar 2025 10:02 pm

Tgt Ion: 96 Resp: 10019

Ion	Ratio	Lower	Upper
96	100		
61	147.8	113.6	236.0
98	63.2	40.8	84.8
63	43.6	36.5	75.7



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N08.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 10:02 pm	Instrument	: Jack
Sample	: L2511944-02,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N09.D
Acq On : 7 Mar 2025 10:28 pm
Operator : JACK:MKS
Sample : L2511944-03,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 12:26:18 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	163692	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 90.80%			
63) Chlorobenzene-d5	9.466	117	124029	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.64%			
84) 1,4-Dichlorobenzene-d4	12.192	152	72438	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 95.99%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.111	113	46250	10.690	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.90%			
47) 1,2-Dichloroethane-d4	5.635	65	52495	9.889	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.89%			
64) Toluene-d8	7.618	98	162413	9.934	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.34%			
88) 4-Bromofluorobenzene	10.972	95	61093	9.859	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.122	94	83	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.884	76	62	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.599	43	136	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Jack\2025\250307N\
Data File : J250307N09.D
Acq On : 7 Mar 2025 10:28 pm
Operator : JACK:MKS
Sample : L2511944-03,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 12:26:18 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.152	43	46	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.470	91	99	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.183	146	44	N.D.		
106) 1,4-Dichlorobenzene	12.183	146	44	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

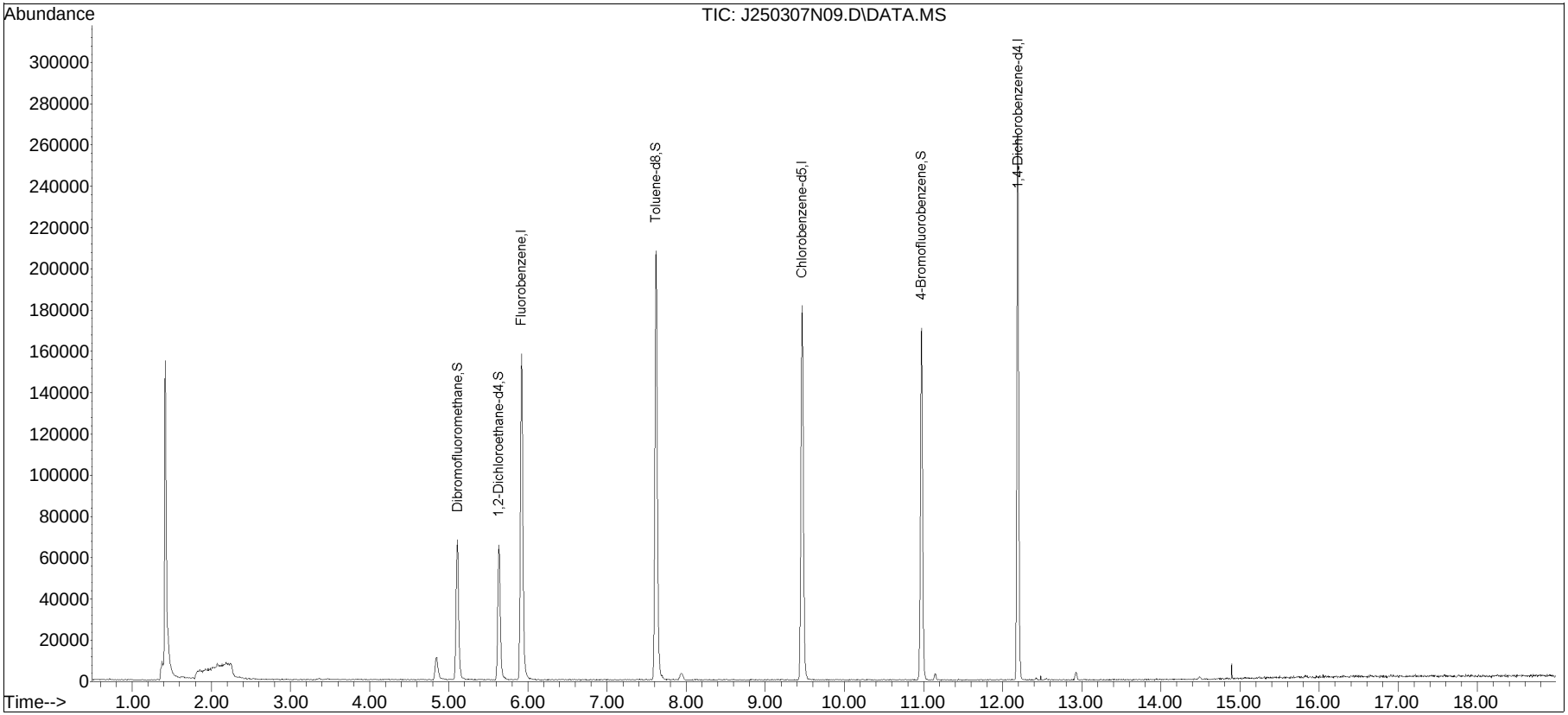
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N09.D
Acq On : 7 Mar 2025 10:28 pm
Operator : JACK:MKS
Sample : L2511944-03,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 12:26:18 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N09.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 10:28 pm	Instrument	: Jack
Sample	: L2511944-03,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N10.D
Acq On : 7 Mar 2025 10:55 pm
Operator : JACK:MKS
Sample : L2511944-04,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 12:26:35 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	164412	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 91.20%		
63) Chlorobenzene-d5	9.466	117	123455	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.19%		
84) 1,4-Dichlorobenzene-d4	12.188	152	71439	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 94.66%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	45561	10.485 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.85%		
47) 1,2-Dichloroethane-d4	5.635	65	52623	9.870 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%		
64) Toluene-d8	7.623	98	161922	9.950 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%		
88) 4-Bromofluorobenzene	10.973	95	60616	9.919 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.19%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.122	94	718	0.245 ug/L #	11
6) Chloroethane	2.157	64	109	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.465	43	4359	3.442 ug/L	93
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.587	43	142	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Jack\2025\250307N\
Data File : J250307N10.D
Acq On : 7 Mar 2025 10:55 pm
Operator : JACK:MKS
Sample : L2511944-04,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 12:26:35 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.679	92	106	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.143	43	44	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.475	91	48	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

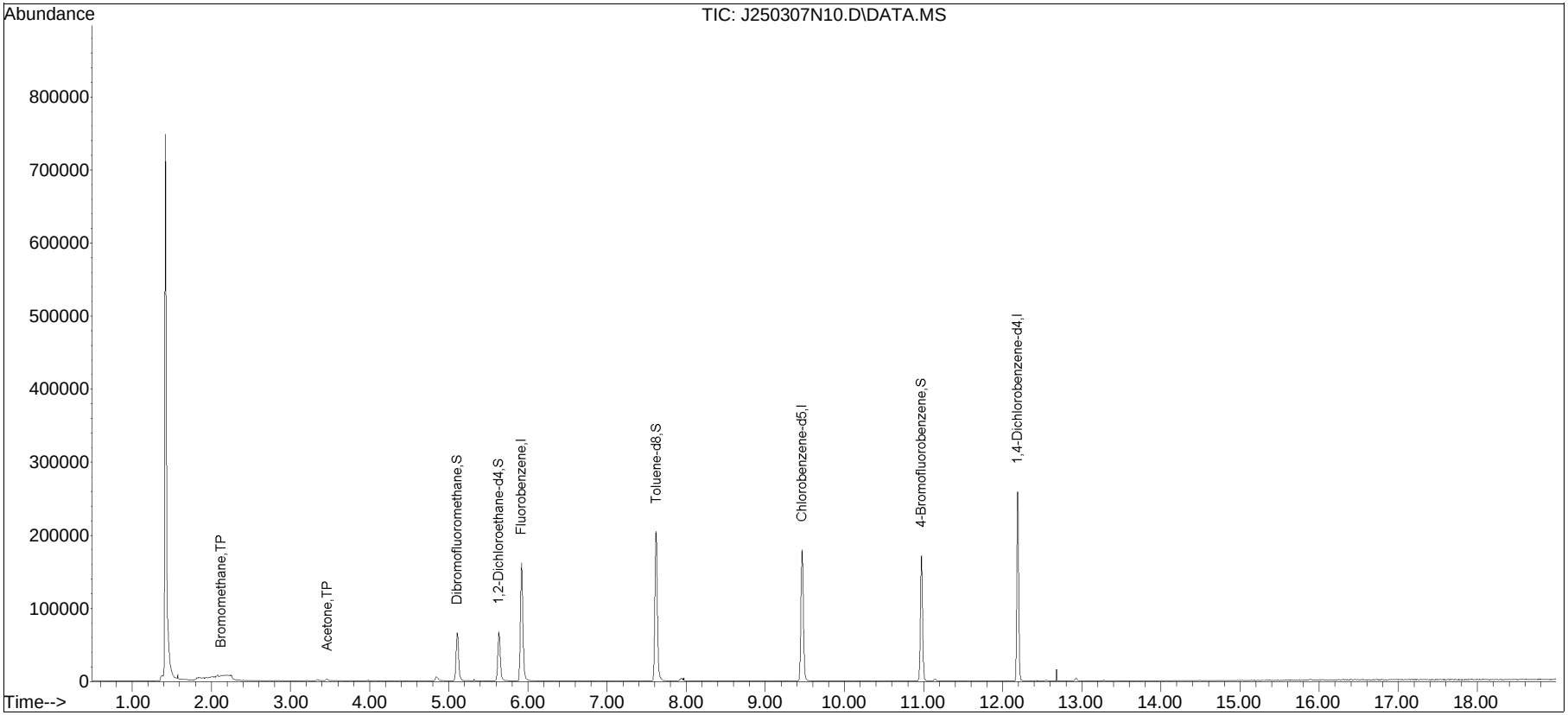
(#) = qualifier out of range (m) = manual integration (+) = signals summed

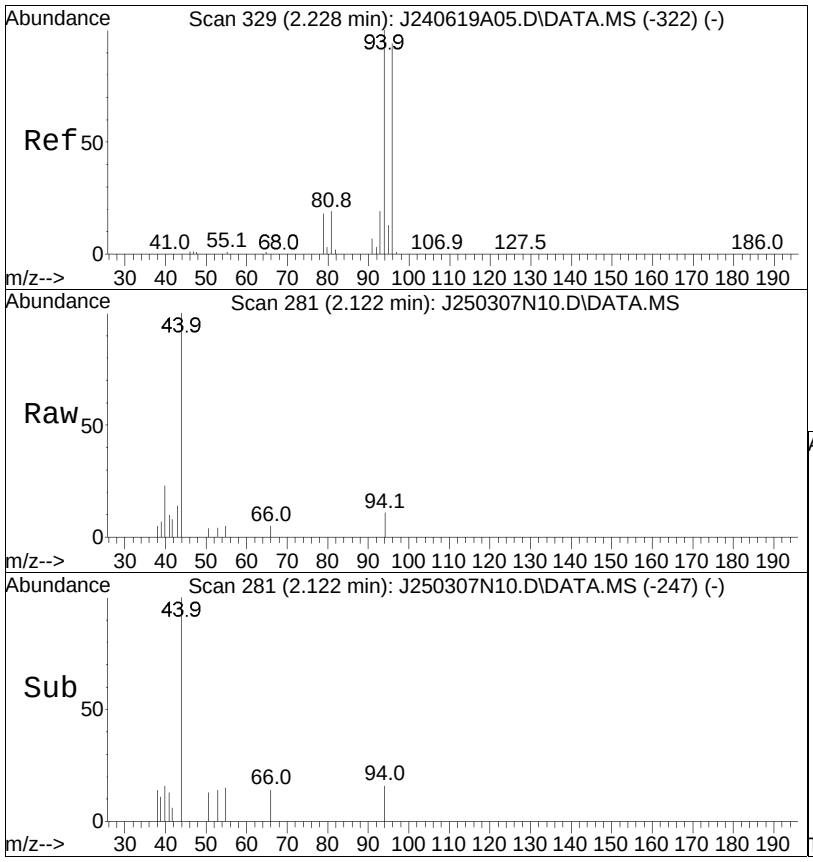
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N10.D
Acq On : 7 Mar 2025 10:55 pm
Operator : JACK:MKS
Sample : L2511944-04,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 10 12:26:35 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

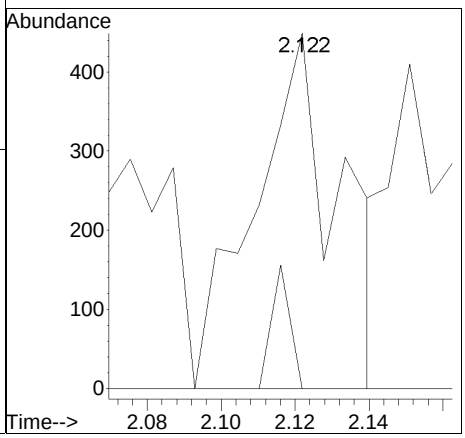


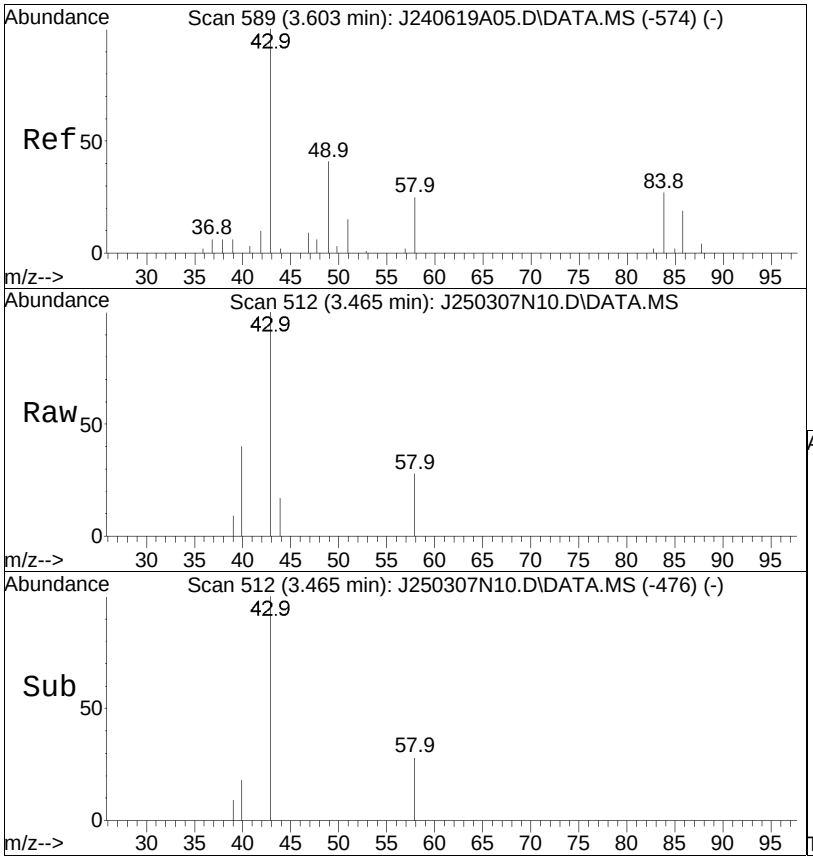


#5
Bromomethane
Concen: 0.25 ug/L
RT: 2.122 min Scan# 281
Delta R.T. 0.000 min
Lab File: J250307N10.D
Acq: 7 Mar 2025 10:55 pm

Tgt Ion: 94 Resp: 718

Ion	Ratio	Lower	Upper
94	100		
96	7.5	73.7	110.5#

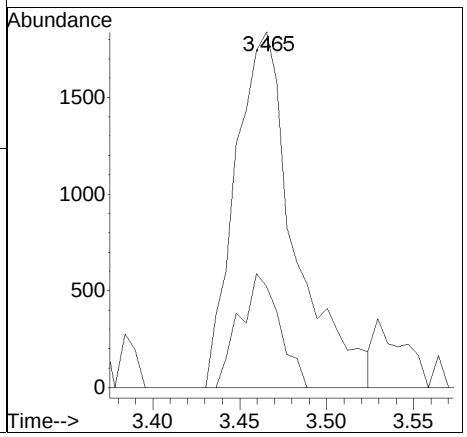




#17
Acetone
Concen: 3.44 ug/L
RT: 3.465 min Scan# 512
Delta R.T. 0.011 min
Lab File: J250307N10.D
Acq: 7 Mar 2025 10:55 pm

Tgt Ion: 43 Resp: 4359

Ion	Ratio	Lower	Upper
43	100		
58	21.6	20.1	30.1



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N10.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 10:55 pm	Instrument	: Jack
Sample	: L2511944-04,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N11.D
Acq On : 7 Mar 2025 11:22 pm
Operator : JACK:MKS
Sample : L2511944-05,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 10 12:27:00 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	163062	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 90.45%			
63) Chlorobenzene-d5	9.466	117	121931	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 94.02%			
84) 1,4-Dichlorobenzene-d4	12.193	152	70076	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 92.86%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.111	113	46276	10.738	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.38%			
47) 1,2-Dichloroethane-d4	5.635	65	51891	9.813	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.13%			
64) Toluene-d8	7.619	98	160887	10.010	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.10%			
88) 4-Bromofluorobenzene	10.968	95	59712	9.961	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.599	43	75	N.D.		
21) Methyl tert-butyl ether	3.657	73	776	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.925	83	1811	0.240	ug/L #	87
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Jack\2025\250307N\
Data File : J250307N11.D
Acq On : 7 Mar 2025 11:22 pm
Operator : JACK:MKS
Sample : L2511944-05,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 10 12:27:00 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.	d	
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.193	43	49	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.470	91	146	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

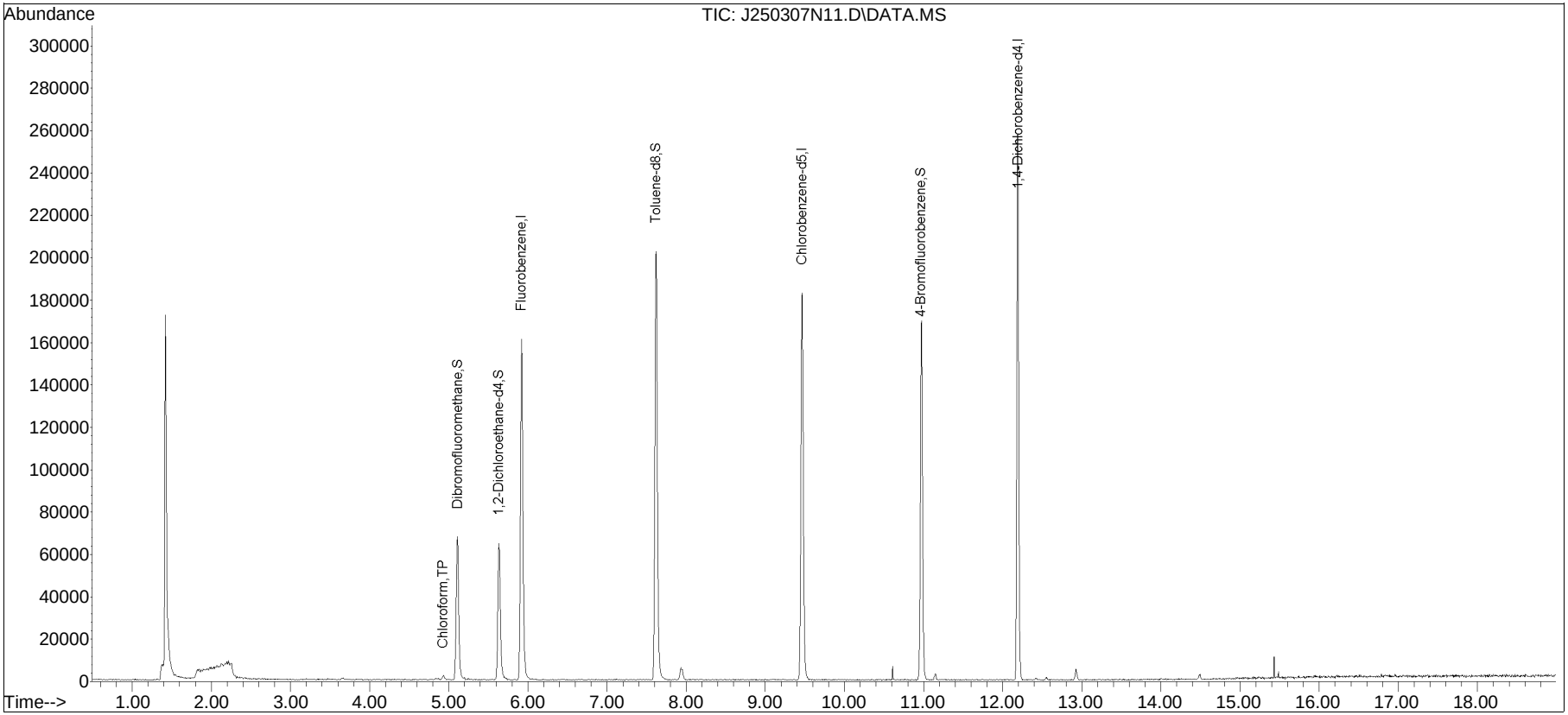
(#) = qualifier out of range (m) = manual integration (+) = signals summed

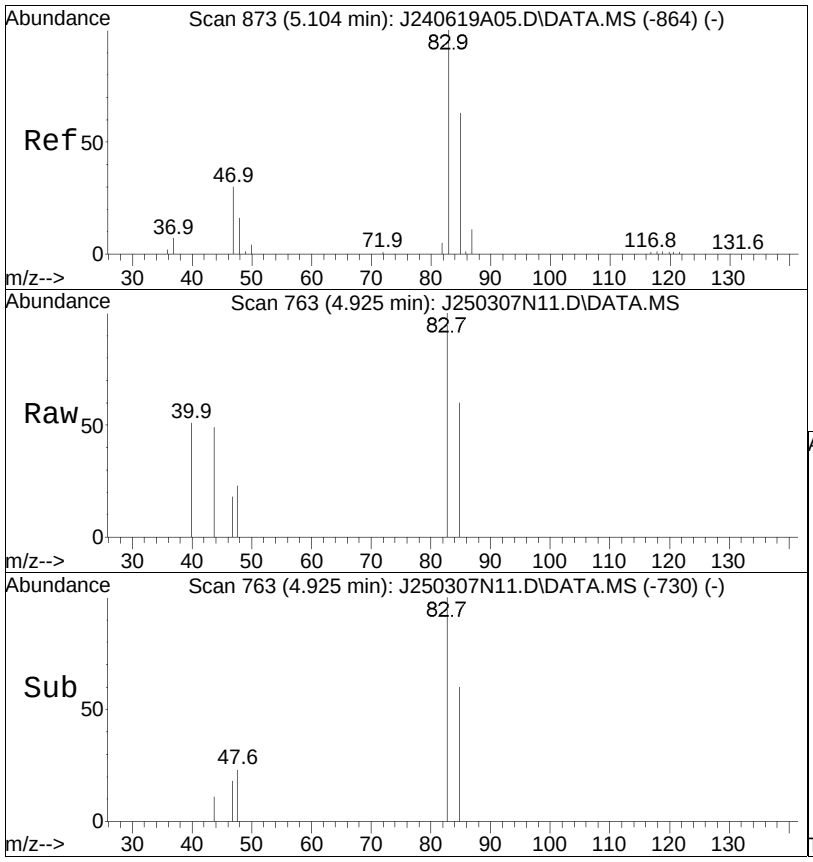
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N11.D
Acq On : 7 Mar 2025 11:22 pm
Operator : JACK:MKS
Sample : L2511944-05,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 10 12:27:00 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

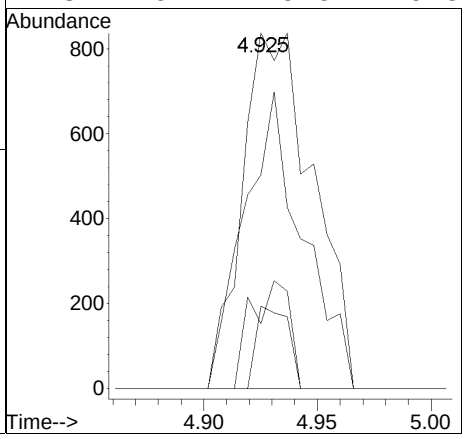




#35
Chloroform
Concen: 0.24 ug/L
RT: 4.925 min Scan# 763
Delta R.T. -0.006 min
Lab File: J250307N11.D
Acq: 7 Mar 2025 11:22 pm

Tgt Ion: 83 Resp: 1811

Ion	Ratio	Lower	Upper
83	100		
85	69.2	41.4	86.0
47	16.4	20.5	42.5#
48	10.4	9.9	20.5



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N11.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 11:22 pm	Instrument	: Jack
Sample	: L2511944-05,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N12.D
Acq On : 7 Mar 2025 11:48 pm
Operator : JACK:MKS
Sample : L2511944-06,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 10 12:27:26 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	160326	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 88.93%			
63) Chlorobenzene-d5	9.466	117	121716	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 93.85%			
84) 1,4-Dichlorobenzene-d4	12.188	152	69713	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 92.37%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.105	113	46378	10.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.45%			
47) 1,2-Dichloroethane-d4	5.635	65	53157	10.224	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.24%			
64) Toluene-d8	7.619	98	158899	9.904	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.04%			
88) 4-Bromofluorobenzene	10.973	95	59760	10.021	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.21%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.878	50	56	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	2.209	64	53	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.460	43	6992	5.661	ug/L	94
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N12.D
Acq On : 7 Mar 2025 11:48 pm
Operator : JACK:MKS
Sample : L2511944-06,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 10 12:27:26 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.251	43	1008M1	0.521	ug/L	
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.679	92	44	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	9.302	43	54	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.461	91	58	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

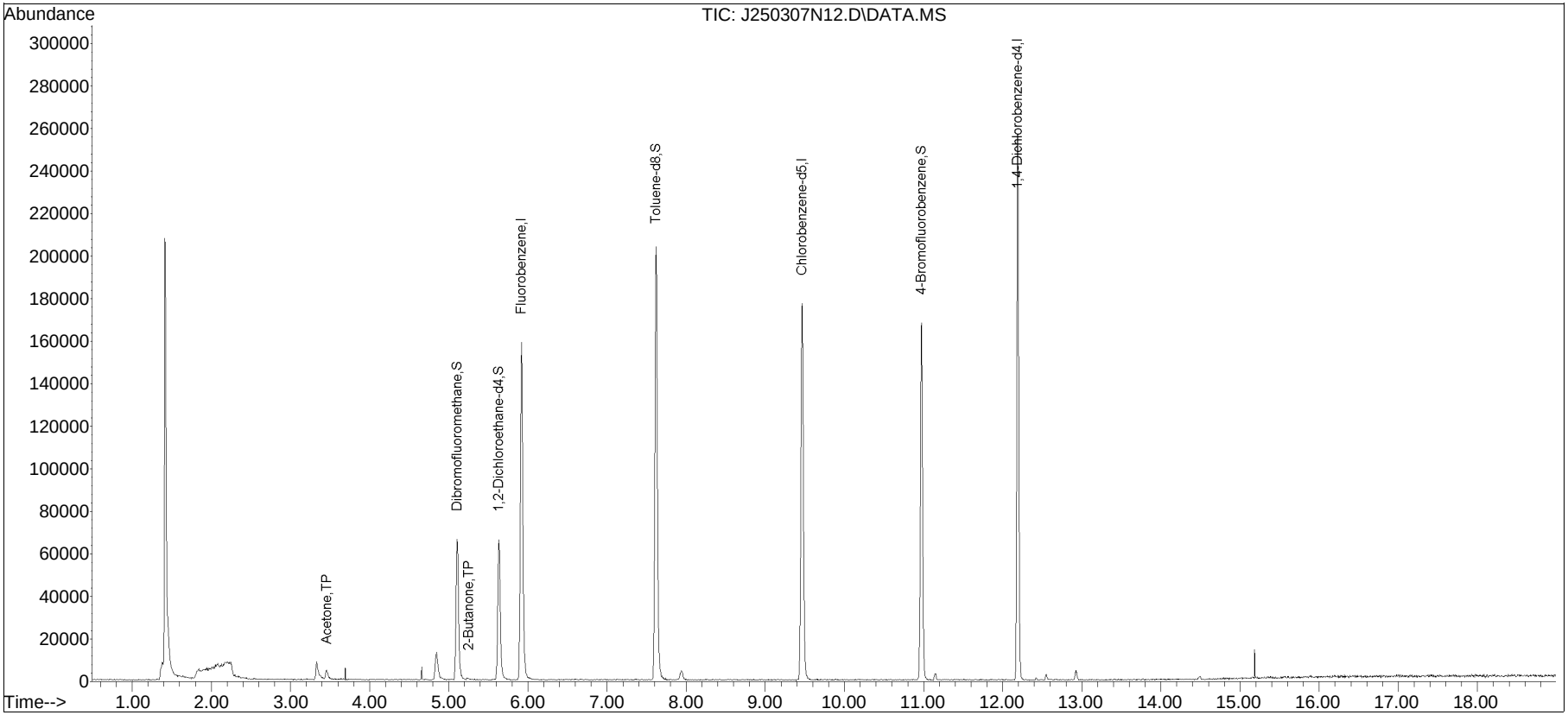
(#) = qualifier out of range (m) = manual integration (+) = signals summed

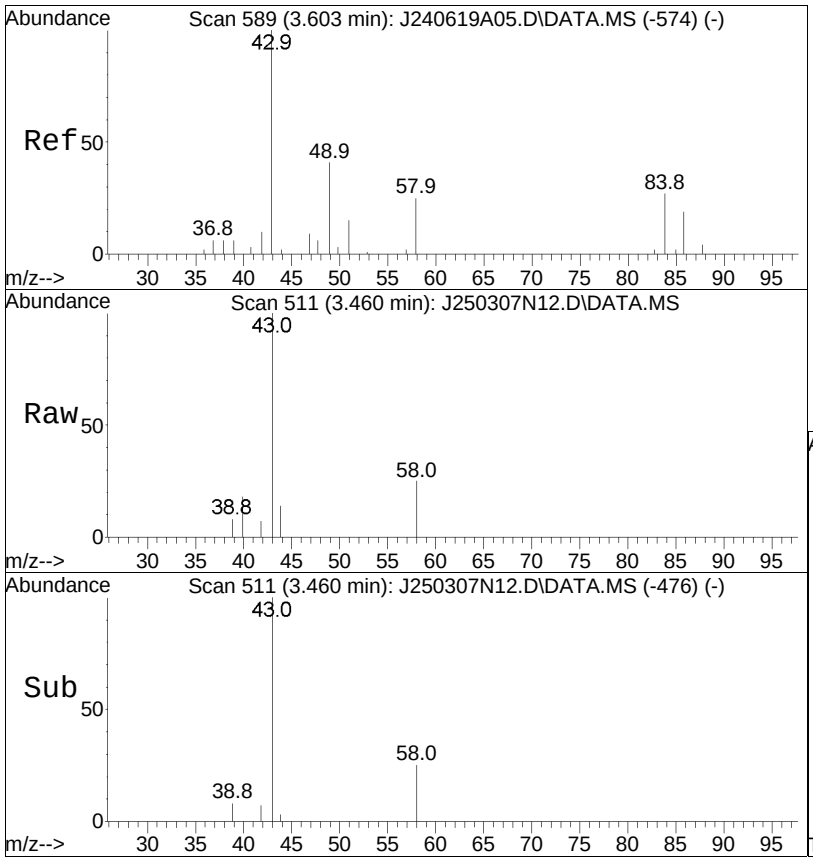
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N12.D
Acq On : 7 Mar 2025 11:48 pm
Operator : JACK:MKS
Sample : L2511944-06,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 10 12:27:26 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

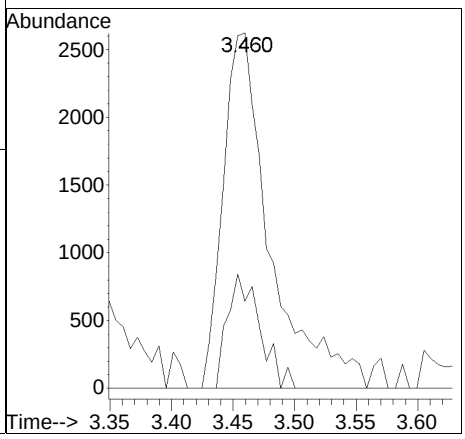


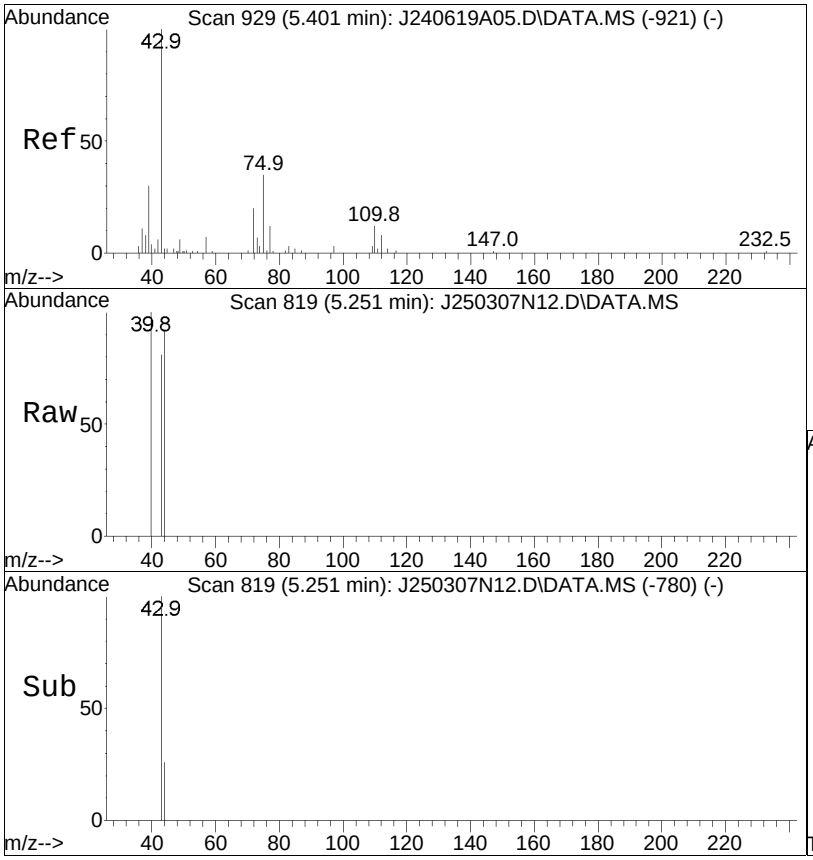


#17
Acetone
Concen: 5.66 ug/L
RT: 3.460 min Scan# 511
Delta R.T. 0.006 min
Lab File: J250307N12.D
Acq: 7 Mar 2025 11:48 pm

Tgt Ion: 43 Resp: 6992

Ion	Ratio	Lower	Upper
43	100		
58	22.1	20.1	30.1

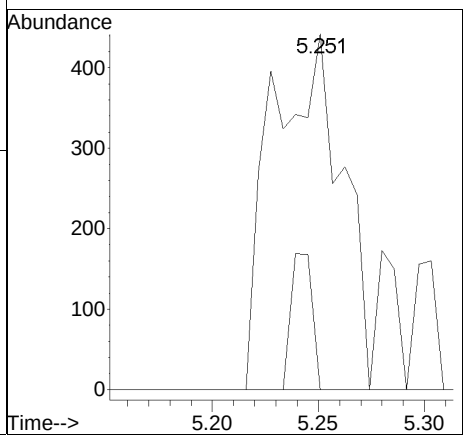




#42
2-Butanone
Concen: 0.52 ug/L M1
RT: 5.251 min Scan# 819
Delta R.T. 0.029 min
Lab File: J250307N12.D
Acq: 7 Mar 2025 11:48 pm

Tgt Ion: 43 Resp: 1008

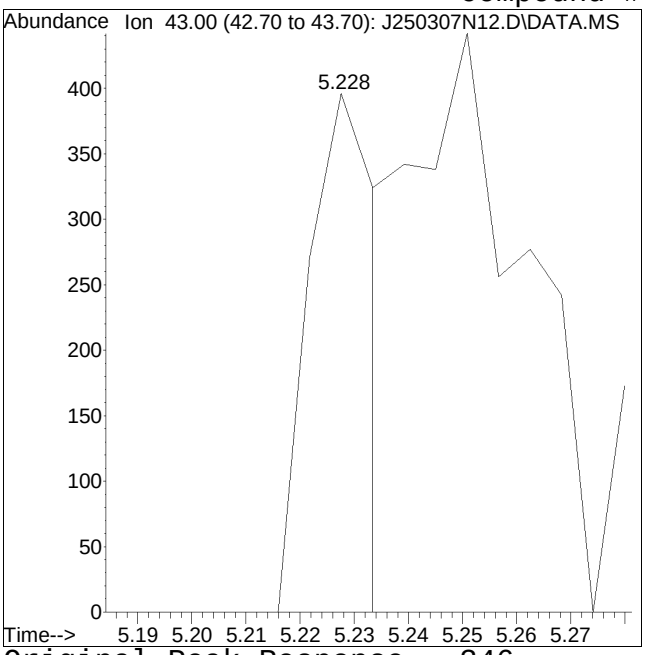
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.4#



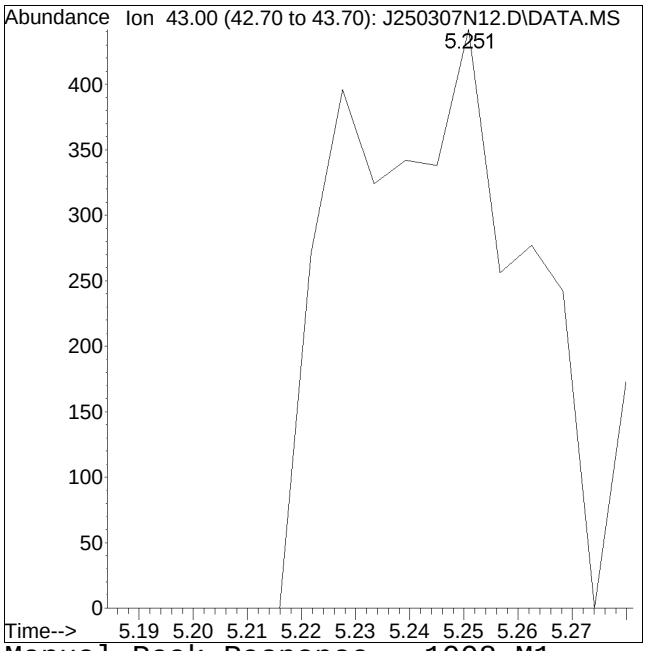
Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N12.D	Operator	: JACK:MKS
Date Inj'd	: 3/7/2025 11:48 pm	Instrument	: Jack
Sample	: L2511944-06,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

Compound #42: 2-Butanone



Original Peak Response = 346



Manual Peak Response = 1008 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N13.D
Acq On : 8 Mar 2025 12:15 am
Operator : JACK:MKS
Sample : L2511944-07,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 12:27:46 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	163254	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 90.55%		
63) Chlorobenzene-d5	9.466	117	120839	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 93.18%		
84) 1,4-Dichlorobenzene-d4	12.193	152	71344	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 94.54%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.111	113	46012	10.664 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.64%		
47) 1,2-Dichloroethane-d4	5.635	65	52268	9.873 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.73%		
64) Toluene-d8	7.623	98	158670	9.961 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%		
88) 4-Bromofluorobenzene	10.977	95	59134	9.689 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.89%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.866	50	55	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.593	43	116	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	4.931	83	1500	0.199 ug/L #	74
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Jack\2025\250307N\
Data File : J250307N13.D
Acq On : 8 Mar 2025 12:15 am
Operator : JACK:MKS
Sample : L2511944-07,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 12:27:46 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	0.000		0	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	0.000		0	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	9.143	43	59	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	9.461	91	43	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	0.000		0	N.D.		
106)	1,4-Dichlorobenzene	0.000		0	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

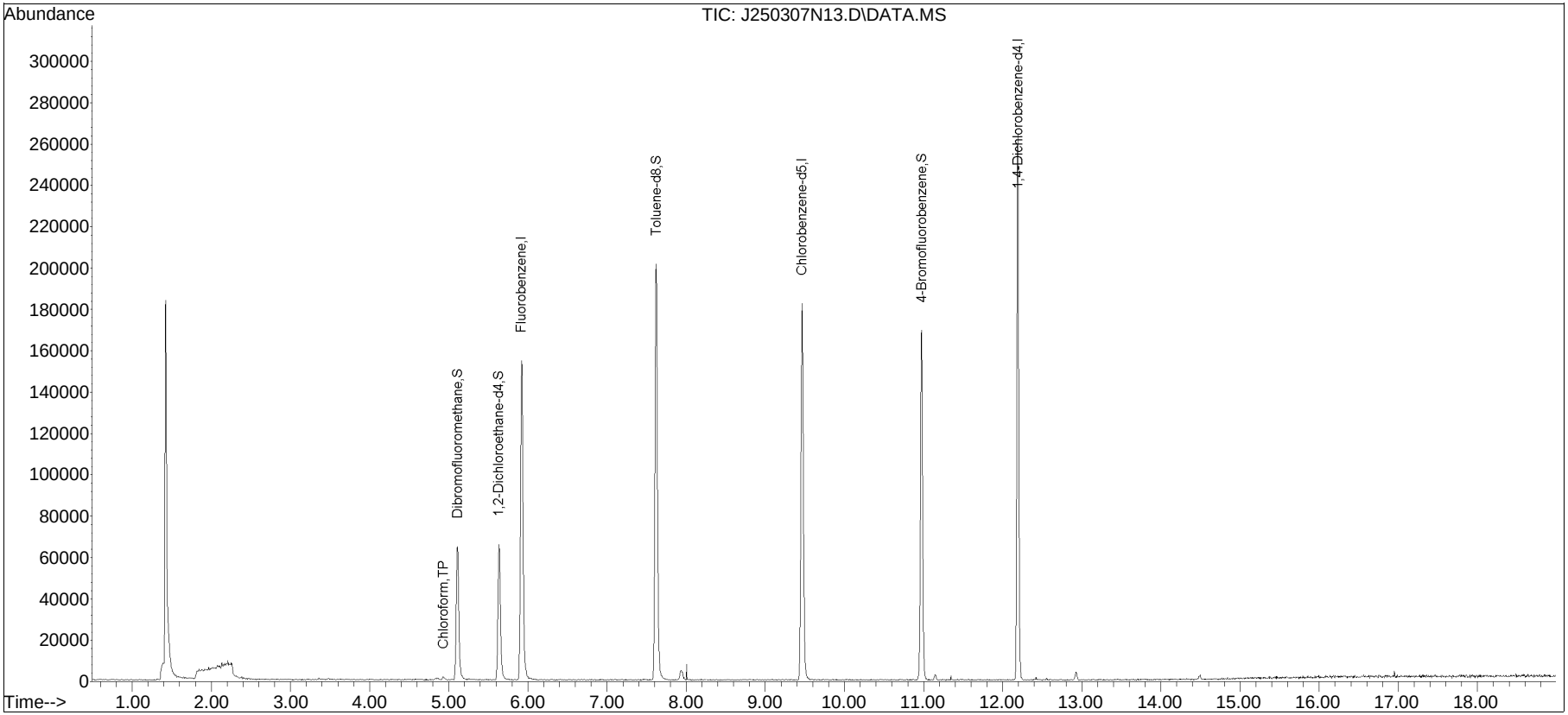
(#) = qualifier out of range (m) = manual integration (+) = signals summed

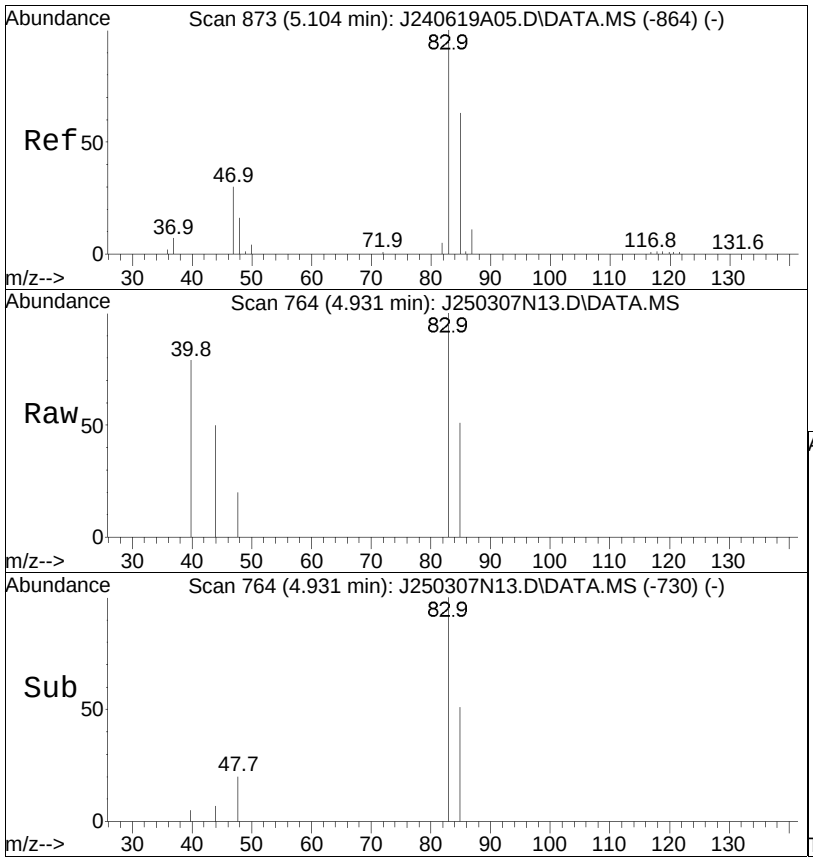
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N13.D
Acq On : 8 Mar 2025 12:15 am
Operator : JACK:MKS
Sample : L2511944-07,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 10 12:27:46 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

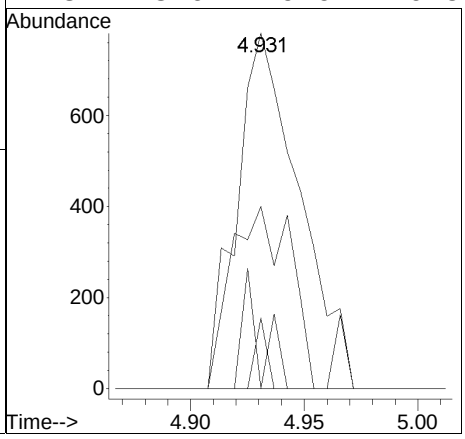




#35
Chloroform
Concen: 0.20 ug/L
RT: 4.931 min Scan# 764
Delta R.T. 0.000 min
Lab File: J250307N13.D
Acq: 8 Mar 2025 12:15 am

Tgt Ion: 83 Resp: 1500

Ion	Ratio	Lower	Upper
83	100		
85	48.6	41.4	86.0
47	9.9	20.5	42.5#
48	3.6	9.9	20.5#



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N13.D	Operator	: JACK:MKS
Date Inj'd	: 3/8/2025 12:15 am	Instrument	: Jack
Sample	: L2511944-07,31,10,10,,A	Quant Date	: 3/10/2025 12:21 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N14.D
Acq On : 8 Mar 2025 12:41 am
Operator : JACK:MKS
Sample : L2511944-08,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 10 12:28:07 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.919	96	161404	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 89.53%		
63) Chlorobenzene-d5	9.466	117	120468	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 92.89%		
84) 1,4-Dichlorobenzene-d4	12.188	152	71975	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 95.37%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.111	113	46391	10.875 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.75%		
47) 1,2-Dichloroethane-d4	5.635	65	52569	10.043 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.43%		
64) Toluene-d8	7.623	98	161377	10.163 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%		
88) 4-Bromofluorobenzene	10.972	95	60254	9.786 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.86%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.825	50	55	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D. d	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.459	43	4236	3.407 ug/L #	89
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.640	43	129	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Jack\2025\250307N\
Data File : J250307N14.D
Acq On : 8 Mar 2025 12:41 am
Operator : JACK:MKS
Sample : L2511944-08,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 10 12:28:07 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.251	43	1207	0.620	ug/L #	62
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
51) Methyl cyclohexane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	0.000		0	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	0.000		0	N.D.		
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

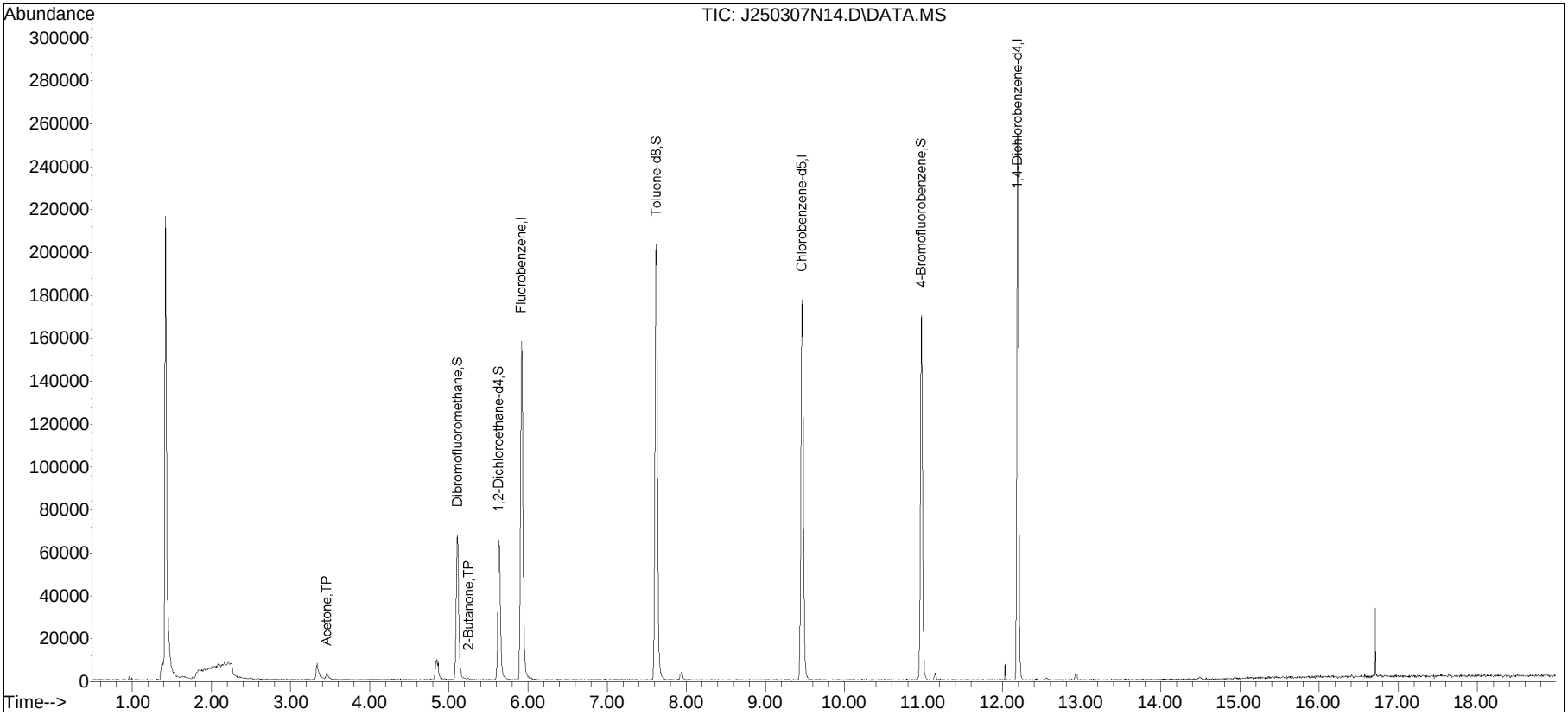
(#) = qualifier out of range (m) = manual integration (+) = signals summed

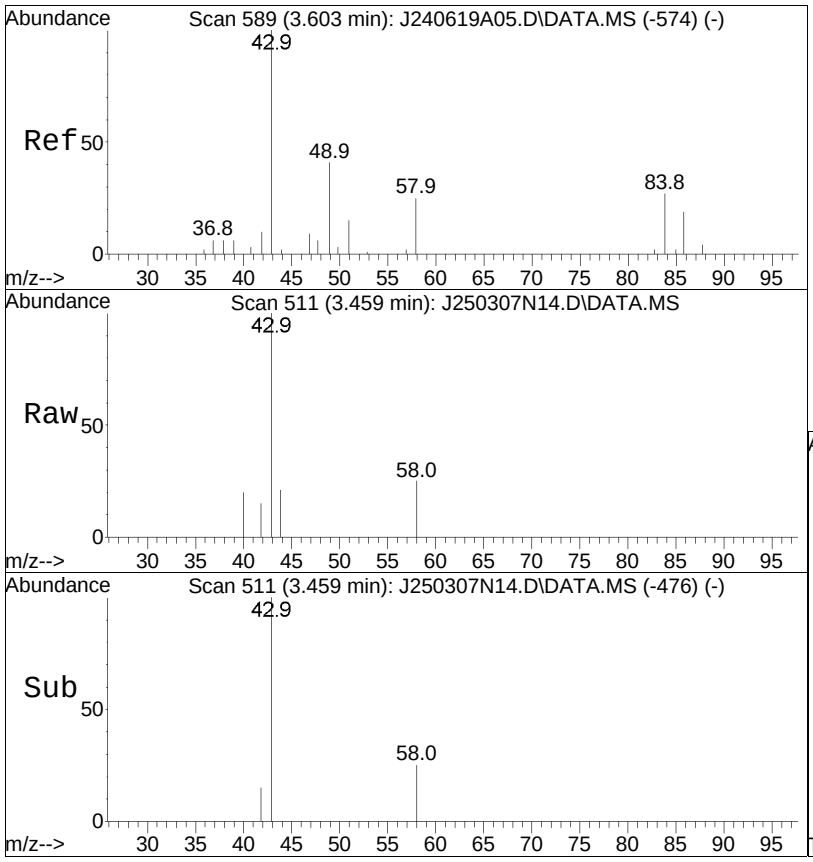
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N14.D
Acq On : 8 Mar 2025 12:41 am
Operator : JACK:MKS
Sample : L2511944-08,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 10 12:28:07 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

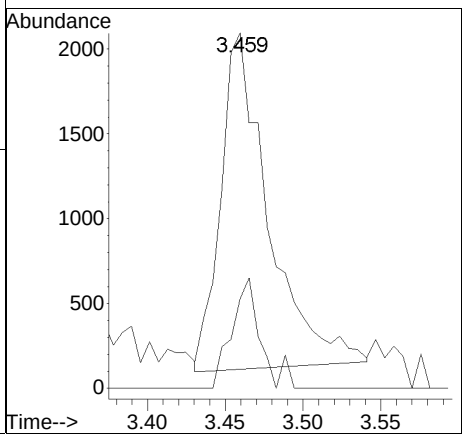


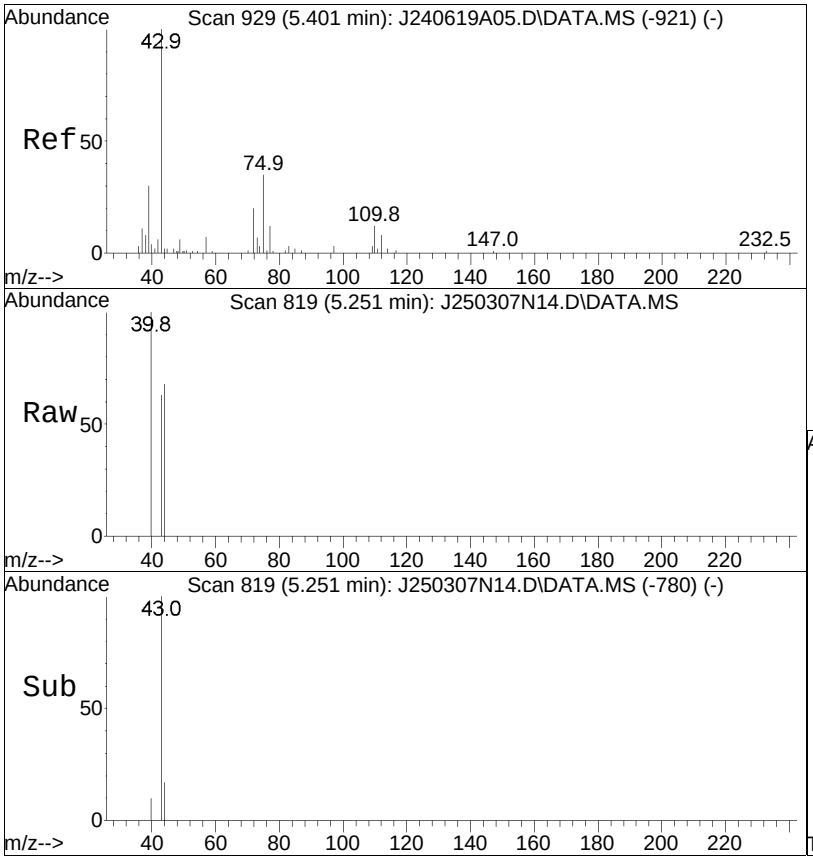


#17
Acetone
Concen: 3.41 ug/L
RT: 3.459 min Scan# 511
Delta R.T. 0.005 min
Lab File: J250307N14.D
Acq: 8 Mar 2025 12:41 am

Tgt Ion: 43 Resp: 4236

Ion	Ratio	Lower	Upper
43	100		
58	19.8	20.1	30.1#

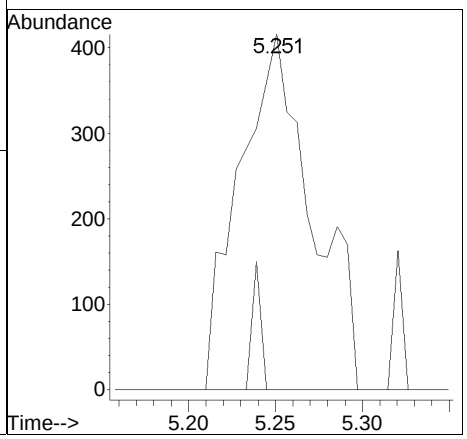




#42
2-Butanone
Concen: 0.62 ug/L
RT: 5.251 min Scan# 819
Delta R.T. 0.029 min
Lab File: J250307N14.D
Acq: 8 Mar 2025 12:41 am

Tgt Ion: 43 Resp: 1207

Ion	Ratio	Lower	Upper
43	100		
72	4.3	18.2	27.4#



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N14.D	Operator	: JACK:MKS
Date Inj'd	: 3/8/2025 12:41 am	Instrument	: Jack
Sample	: L2511944-08,31,10,10,,A	Quant Date	: 3/10/2025 12:22 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N15.D
Acq On : 8 Mar 2025 1:08 am
Operator : JACK:MKS
Sample : L2511944-09,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 10 12:28:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	160856	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 89.22%			
63) Chlorobenzene-d5	9.466	117	121643	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 93.80%			
84) 1,4-Dichlorobenzene-d4	12.192	152	71311	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 94.49%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.105	113	45135	10.617	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.17%			
47) 1,2-Dichloroethane-d4	5.635	65	52313	10.028	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.28%			
64) Toluene-d8	7.623	98	158896	9.910	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.10%			
88) 4-Bromofluorobenzene	10.972	95	59208	9.706	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.128	94	187	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	0.000		0	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.477	43	1286	1.038	ug/L #	71
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.593	43	53	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Jack\2025\250307N\
Data File : J250307N15.D
Acq On : 8 Mar 2025 1:08 am
Operator : JACK:MKS
Sample : L2511944-09,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 10 12:28:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	5.989	95	209	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	0.000		0	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	9.206	43	44	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	9.466	91	61	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	0.000		0	N.D.		
106)	1,4-Dichlorobenzene	0.000		0	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

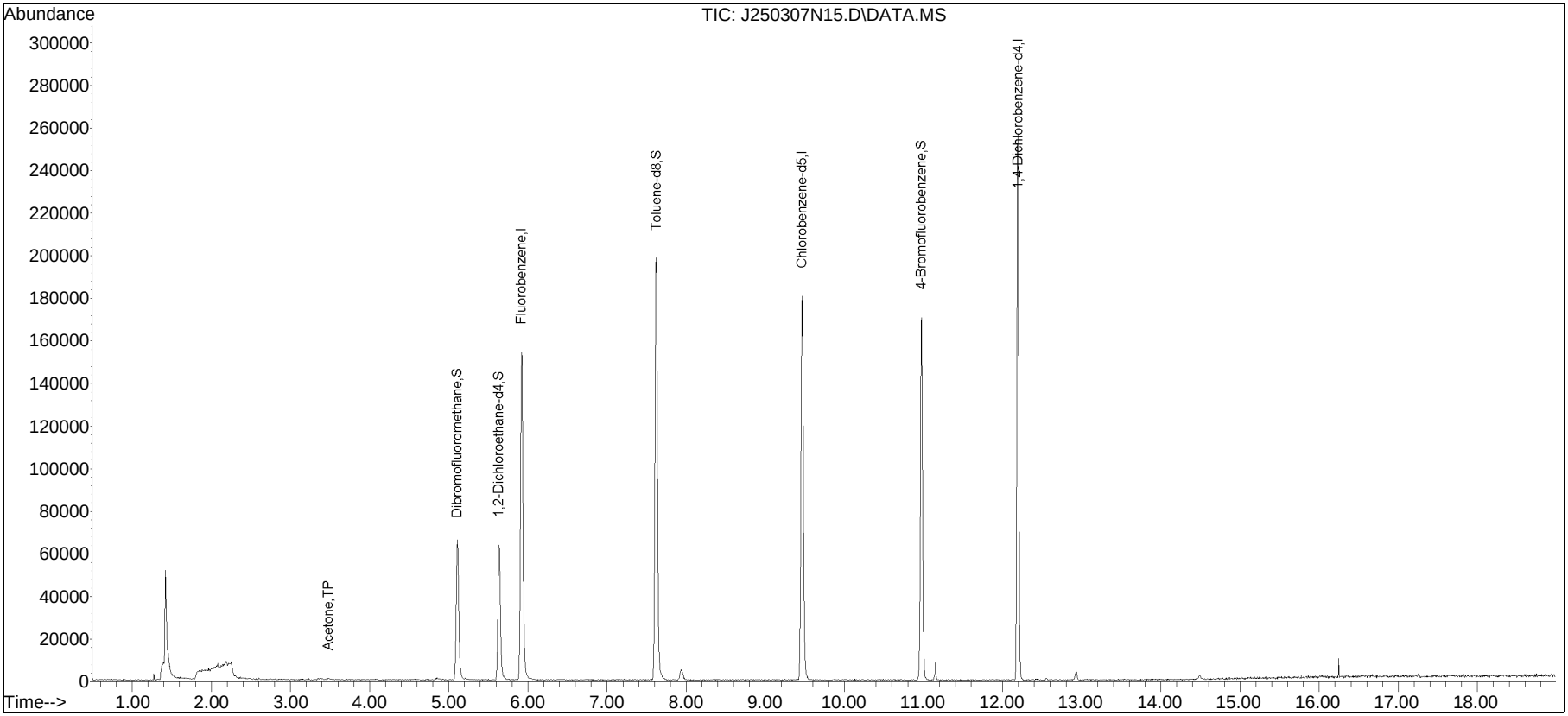
(#) = qualifier out of range (m) = manual integration (+) = signals summed

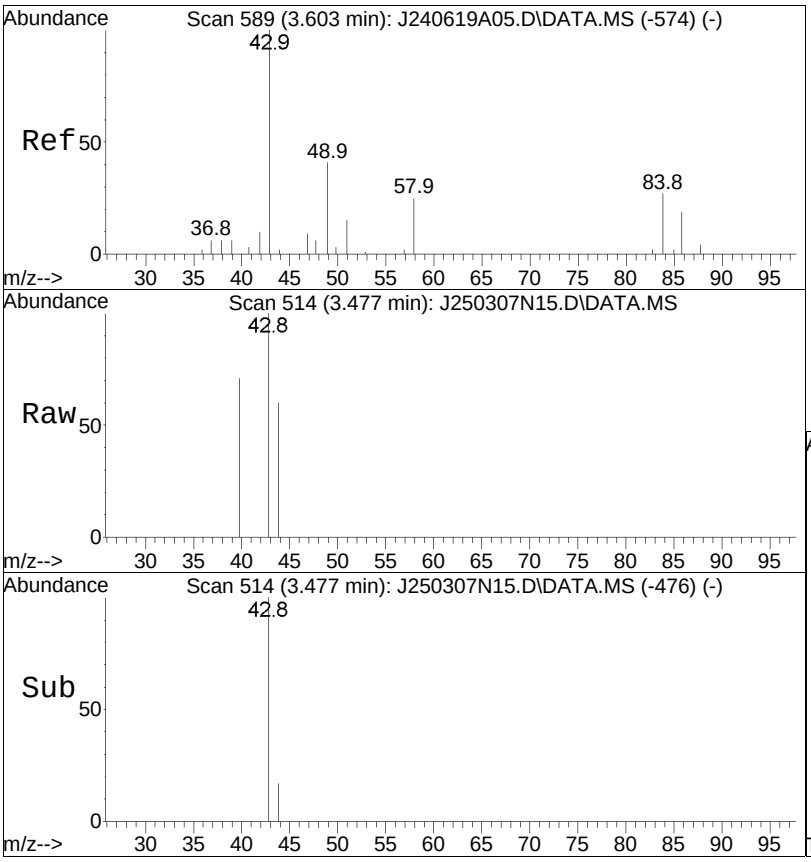
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N15.D
Acq On : 8 Mar 2025 1:08 am
Operator : JACK:MKS
Sample : L2511944-09,31,10,10,,A
Misc : WG2038627,ICAL22041
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 10 12:28:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

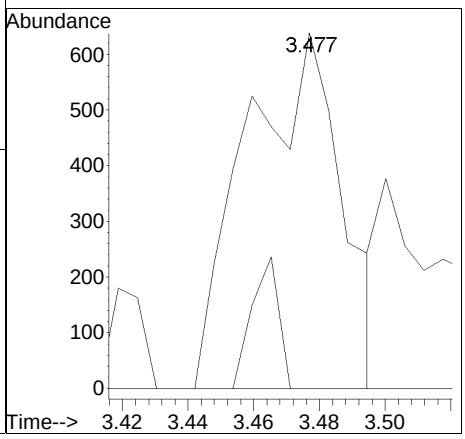




#17
Acetone
Concen: 1.04 ug/L
RT: 3.477 min Scan# 514
Delta R.T. 0.023 min
Lab File: J250307N15.D
Acq: 8 Mar 2025 1:08 am

Tgt Ion: 43 Resp: 1286

Ion	Ratio	Lower	Upper
43	100		
58	10.5	20.1	30.1#



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N15.D	Operator	: JACK:MKS
Date Inj'd	: 3/8/2025 1:08 am	Instrument	: Jack
Sample	: L2511944-09,31,10,10,,A	Quant Date	: 3/10/2025 12:22 pm

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

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: JACK**	**Ical Ref**	**: ICAL22041**
Calibration dates	**: 02/28/25 05:35 02/28/25 08:42**		

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.249	0.330	0.287	0.284	0.265	0.270	0.273	0.280	9.10
3)	TP	Chloromethane		0.289	0.353	0.295	0.290	0.266	0.280	0.284	0.294	9.37
4)	TP	Vinyl chloride	0.353	0.331	0.419	0.364	0.358	0.332	0.333	0.329	0.352	8.64
5)	TP	Bromomethane		0.175	0.179	0.173	0.172	0.173	0.185	0.190	0.178	4.03
6)	TP	Chloroethane		0.217	0.225	0.194	0.190	0.170	0.168	0.159	0.189	13.39
7)	TP	Trichlorofluor		0.341	0.470	0.427	0.418	0.395	0.408	0.415	0.411	9.41
8)	TP	Ethyl ether		0.108	0.125	0.118	0.117	0.109	0.116	0.117	0.116	4.76
10)	TP	1,1-Dichloroet		0.206	0.263	0.228	0.231	0.216	0.224	0.230	0.228	7.83
11)	TP	Carbon disulfide		0.643	0.803	0.699	0.701	0.659	0.689	0.706	0.700	7.31
12)	TP	Freon-113		0.222	0.269	0.248	0.248	0.236	0.247	0.254	0.246	6.01
14)	TP	Acrolein			0.043	0.039	0.041	0.040	0.042	0.044	0.041	4.38
15)	TP	Methylene chlo		0.262	0.277	0.246	0.244	0.224	0.237	0.241	0.247	6.96
17)	TP	Acetone			0.096	0.074	0.073	0.070	0.075	0.074	0.077	12.42
18)	TP	trans-1,2-Dich		0.233	0.274	0.252	0.248	0.231	0.242	0.246	0.247	5.90
19)	TP	Methyl acetate			0.164	0.162	0.168	0.162	0.171	0.178	0.167	3.70
21)	TP	Methyl tert butyl ether		0.653	0.693	0.681	0.683	0.652	0.697	0.713	0.682	3.29
22)	TP	tert-Butyl alc			0.024	0.030	0.025	0.024	0.026	0.026	0.026	7.51
24)	TP	Diisopropyl ether		0.786	0.940	0.869	0.885	0.842	0.892	0.909	0.875	5.67
25)	TP	1,1-Dichloroet		0.485	0.574	0.493	0.488	0.454	0.471	0.477	0.492	7.85
26)	TP	Halothane		0.194	0.220	0.205	0.202	0.189	0.197	0.203	0.201	4.93
27)	TP	Acrylonitrile			0.084	0.083	0.080	0.079	0.083	0.084	0.082	2.44
28)	TP	Ethyl tert-but		0.745	0.785	0.775	0.787	0.761	0.813	0.831	0.785	3.75
29)	TP	Vinyl acetate		0.600	0.686	0.672	0.713	0.680	0.723	0.740	0.688	6.68
30)	TP	cis-1,2-Dichlo		0.271	0.315	0.273	0.267	0.250	0.263	0.266	0.272	7.40
31)	TP	2,2-Dichloropr		0.424	0.487	0.417	0.411	0.392	0.415	0.416	0.423	7.06
33)	TP	Bromochloromet		0.118	0.138	0.127	0.124	0.113	0.116	0.117	0.122	7.03
34)	TP	Cyclohexane		0.484	0.556	0.507	0.511	0.488	0.504	0.518	0.510	4.67
35)	TP	Chloroform		0.464	0.540	0.452	0.451	0.427	0.447	0.454	0.462	7.83
36)	TP	Ethyl acetate		0.267	0.277	0.270	0.266	0.258	0.270	0.274	0.269	2.31
37)	TP	Carbon tetrachloride	0.307	0.292	0.412	0.373	0.385	0.365	0.380	0.391	0.363	11.55
38)	TP	Tetrahydrofuran		0.104	0.096	0.098	0.092	0.088	0.091	0.093	0.095	5.40
39)	S	Dibromofluoromethane	0.279	0.269	0.271	0.267	0.255	0.257	0.254	0.261	0.264	3.39
40)	TP	1,1,1-Trichlor		0.367	0.455	0.410	0.416	0.390	0.409	0.413	0.408	6.51
42)	TP	2-Butanone			0.129	0.118	0.118	0.115	0.120	0.123	0.121	4.11
43)	TP	1,1-Dichloropr		0.283	0.363	0.341	0.345	0.329	0.339	0.344	0.335	7.47

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: JACK**	**Ical Ref**	**: ICAL22041**
Calibration dates	**: 02/28/25 05:35 02/28/25 08:42**		

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
45) TP	Benzene	0.985	0.940	1.101	1.000	1.029	0.970	1.023	1.039	1.011	4.84
46) TP	Tertiary-Amyl Methyl Ether		0.624	0.694	0.693	0.698	0.674	0.713	0.724	0.688	4.75
47) S	1,2-Dichloroethane-d4	0.328	0.330	0.332	0.320	0.314	0.316	0.321	0.333	0.324	2.30
48) TP	1,2-Dichloroethane	0.369	0.363	0.378	0.357	0.352	0.331	0.344	0.347	0.355	4.20
51) TP	Methyl cyclohe		0.402	0.482	0.453	0.482	0.470	0.493	0.512	0.470	7.52
52) TP	Trichloroethene	0.230	0.251	0.294	0.274	0.278	0.267	0.284	0.292	0.271	7.94
54) TP	Dibromomethane		0.148	0.164	0.158	0.154	0.143	0.151	0.153	0.153	4.46
55) TP	1,2-Dichloropr		0.248	0.280	0.281	0.276	0.241	0.256	0.250	0.262	6.37
57) TP	2-Chloroethyl		0.138	0.156	0.169	0.162	0.156	0.164	0.166	0.159	6.62
58) TP	Bromodichlorom		0.376	0.403	0.360	0.325	0.300	0.316	0.328	0.344	10.66
61) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	8.10
62) TP	cis-1,3-Dichloropropene	0.380	0.369	0.426	0.431	0.421	0.399	0.420	0.426	0.409	5.76
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.336	1.336	1.337	1.315	1.322	1.314	1.313	1.273	1.318	1.60
65) TP	Toluene		0.817	0.939	0.883	0.892	0.852	0.887	0.907	0.882	4.43
66) TP	4-Methyl-2-pen			0.117	0.130	0.124	0.122	0.126	0.128	0.125	3.72
67) TP	Tetrachloroethene	0.422	0.364	0.435	0.412	0.418	0.400	0.415	0.424	0.411	5.22
69) TP	trans-1,3-Dichloropropene	0.447	0.443	0.508	0.517	0.518	0.496	0.513	0.516	0.495	6.36
71) TP	Ethyl methacry		0.413	0.437	0.449	0.427	0.404	0.420	0.420	0.424	3.54
72) TP	1,1,2-Trichlor		0.221	0.275	0.283	0.270	0.254	0.265	0.267	0.262	7.74
73) TP	Chlorodibromom		0.355	0.368	0.382	0.369	0.353	0.364	0.367	0.365	2.73
74) TP	1,3-Dichloropr		0.457	0.521	0.505	0.492	0.466	0.480	0.480	0.486	4.57
75) TP	1,2-Dibromoethane		0.252	0.303	0.313	0.308	0.290	0.299	0.299	0.295	6.90
77) TP	2-Hexanone		0.288	0.258	0.274	0.248	0.238	0.245	0.236	0.255	7.62
78) T	Chlorobenzene		0.918	1.026	1.017	0.974	0.929	0.968	0.979	0.973	4.15
79) TP	Ethylbenzene		1.595	1.850	1.775	1.770	1.699	1.771	1.802	1.752	4.70
80) T	1,1,1,2-Tetrac		0.335	0.357	0.373	0.363	0.348	0.361	0.366	0.357	3.50
81) TP	p/m Xylene		0.645	0.708	0.686	0.688	0.664	0.696	0.707	0.685	3.34
82) TP	o Xylene		0.589	0.676	0.667	0.672	0.647	0.670	0.685	0.658	4.96
83) TP	Styrene		1.014	1.124	1.148	1.131	1.100	1.162	1.170	1.121	4.72
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.362	0.410	0.478	0.453	0.449	0.467	0.471	0.441	9.41
87) TP	Isopropylbenzene		2.650	3.158	3.087	3.017	2.981	3.074	3.092	3.009	5.59
88) S	4-Bromofluorobenzene	0.862	0.863	0.878	0.843	0.860	0.854	0.849	0.834	0.855	1.60
89) TP	Bromobenzene		0.653	0.771	0.768	0.717	0.693	0.716	0.723	0.720	5.70
90) TP	n-Propylbenzene		3.201	3.840	3.736	3.667	3.583	3.730	3.757	3.645	5.80

Initial Calibration Summary
Form 6
Volatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: JACK**	**Ical Ref**	**: ICAL22041**
Calibration dates	**: 02/28/25 05:35 02/28/25 08:42**		

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
91) TP	1,4-Dichlorobu		1.036	0.982	0.985	0.920	0.895	0.928	0.924	0.953	5.20
92) TP	1,1,2,2-Tetrachloroethane	0.741	0.677	0.717	0.769	0.692	0.656	0.675	0.673	0.700	5.57
93) TP	4-Ethyltoluene		2.664	3.133	3.037	3.002	2.899	2.997	3.058	2.970	5.13
94) TP	2-Chlorotoluene		2.257	2.575	2.465	2.381	2.309	2.400	2.443	2.404	4.35
95) TP	1,3,5-Trimethy		2.352	2.667	2.623	2.623	2.522	2.624	2.696	2.587	4.52
96) TP	1,2,3-Trichlor		0.562	0.562	0.597	0.553	0.535	0.548	0.565	0.560	3.46
97) TP	trans-1,4-Dich		0.217	0.239	0.259	0.243	0.233	0.236	0.237	0.238	5.26
98) TP	4-Chlorotoluene		2.034	2.293	2.264	2.174	2.099	2.178	2.213	2.179	4.13
99) TP	tert-Butylbenzene		1.938	2.265	2.188	2.174	2.106	2.165	2.219	2.151	4.92
102) TP	1,2,4-Trimethy		2.237	2.644	2.589	2.537	2.443	2.543	2.621	2.516	5.55
103) TP	sec-Butylbenzene		2.766	3.420	3.326	3.347	3.277	3.391	3.458	3.283	7.19
104) TP	p-Isopropyltol		2.312	2.850	2.854	2.867	2.782	2.901	2.975	2.792	7.86
105) TP	1,3-Dichlorobe		1.397	1.537	1.530	1.464	1.399	1.463	1.499	1.470	3.88
106) TP	1,4-Dichlorobe		1.414	1.514	1.538	1.469	1.393	1.465	1.498	1.470	3.55
107) TP	p-Diethylbenzene		1.375	1.618	1.676	1.683	1.627	1.714	1.767	1.637	7.71
108) TP	n-Butylbenzene		2.079	2.516	2.521	2.571	2.512	2.628	2.687	2.502	7.91
109) TP	1,2-Dichlorobe		1.265	1.433	1.425	1.377	1.291	1.355	1.389	1.362	4.70
110) TP	1,2,4,5-Tetram		2.260	2.516	2.525	2.498	2.458	2.657	2.680	2.513	5.53
111) TP	1,2-Dibromo-3-		0.131	0.143	0.140	0.129	0.124	0.132	0.133	0.133	4.82
112) TP	1,3,5-Trichlor		0.981	1.066	1.090	1.061	1.058	1.124	1.124	1.072	4.56
113) TP	Hexachlorobuta		0.365	0.504	0.444	0.453	0.463	0.485	0.492	0.458	10.17
114) TP	1,2,4-Trichlor		0.829	0.978	0.956	0.938	0.940	0.988	1.006	0.948	6.14
115) TP	Naphthalene		2.312	2.391	2.467	2.381	2.326	2.420	2.416	2.388	2.27
116) TP	1,2,3-Trichlor		0.801	0.868	0.894	0.868	0.855	0.893	0.899	0.868	3.93

Response Factor Report Jack

Method Path : K:\Jack\2025\250228ical\
Method File : VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025
Response Via : Initial Calibration

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	ISTD									
2)	TP	Dichlorodifluo...		0.249	0.330	0.287	0.284	0.265	0.270	0.273	0.280	9.10
3)	TP	Chloromethane		0.289	0.353	0.295	0.290	0.266	0.280	0.284	0.294	9.37
4)	TP	Vinyl chloride	0.353	0.331	0.419	0.364	0.358	0.332	0.333	0.329	0.352	8.64
5)	TP	Bromomethane		0.175	0.179	0.173	0.172	0.173	0.185	0.190	0.178	4.03
6)	TP	Chloroethane		0.217	0.225	0.194	0.190	0.170	0.168	0.159	0.189	13.39
7)	TP	Trichlorofluor...		0.341	0.470	0.427	0.418	0.395	0.408	0.415	0.411	9.41
8)	TP	Ethyl ether		0.108	0.125	0.118	0.117	0.109	0.116	0.117	0.116	4.76
10)	TP	1,1-Dichloroet...		0.206	0.263	0.228	0.231	0.216	0.224	0.230	0.228	7.83
11)	TP	Carbon disulfide		0.643	0.803	0.699	0.701	0.659	0.689	0.706	0.700	7.31
12)	TP	Freon-113		0.222	0.269	0.248	0.248	0.236	0.247	0.254	0.246	6.01
14)	TP	Acrolein			0.043	0.039	0.041	0.040	0.042	0.044	0.041	4.38
15)	TP	Methylene chlo...		0.262	0.277	0.246	0.244	0.224	0.237	0.241	0.247	6.96
17)	TP	Acetone			0.096	0.074	0.073	0.070	0.075	0.074	0.077	12.42
18)	TP	trans-1,2-Dich...		0.233	0.274	0.252	0.248	0.231	0.242	0.246	0.247	5.90
19)	TP	Methyl acetate			0.164	0.162	0.168	0.162	0.171	0.178	0.167	3.70
21)	TP	Methyl tert-bu...		0.653	0.693	0.681	0.683	0.652	0.697	0.713	0.682	3.29
22)	TP	tert-Butyl alc...			0.024	0.030	0.025	0.024	0.026	0.026	0.026	7.51
24)	TP	Diisopropyl ether		0.786	0.940	0.869	0.885	0.842	0.892	0.909	0.875	5.67
25)	TP	1,1-Dichloroet...		0.485	0.574	0.493	0.488	0.454	0.471	0.477	0.492	7.85
26)	TP	Halothane		0.194	0.220	0.205	0.202	0.189	0.197	0.203	0.201	4.93
27)	TP	Acrylonitrile			0.084	0.083	0.080	0.079	0.083	0.084	0.082	2.44
28)	TP	Ethyl tert-but...		0.745	0.785	0.775	0.787	0.761	0.813	0.831	0.785	3.75
29)	TP	Vinyl acetate		0.600	0.686	0.672	0.713	0.680	0.723	0.740	0.688	6.68
30)	TP	cis-1,2-Dichlo...		0.271	0.315	0.273	0.267	0.250	0.263	0.266	0.272	7.40
31)	TP	2,2-Dichloropr...		0.424	0.487	0.417	0.411	0.392	0.415	0.416	0.423	7.06
33)	TP	Bromochloromet...		0.118	0.138	0.127	0.124	0.113	0.116	0.117	0.122	7.03
34)	TP	Cyclohexane		0.484	0.556	0.507	0.511	0.488	0.504	0.518	0.510	4.67
35)	TP	Chloroform		0.464	0.540	0.452	0.451	0.427	0.447	0.454	0.462	7.83
36)	TP	Ethyl acetate		0.267	0.277	0.270	0.266	0.258	0.270	0.274	0.269	2.31
37)	TP	Carbon tetrach...	0.307	0.292	0.412	0.373	0.385	0.365	0.380	0.391	0.363	11.55

Response Factor Report Jack

Method Path : K:\Jack\2025\250228ical\
Method File : VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025
Response Via : Initial Calibration

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
38)	TP	Tetrahydrofuran		0.104	0.096	0.098	0.092	0.088	0.091	0.093	0.095	5.40
39)	S	Dibromofluorom...	0.279	0.269	0.271	0.267	0.255	0.257	0.254	0.261	0.264	3.39
40)	TP	1,1,1-Trichlor...		0.367	0.455	0.410	0.416	0.390	0.409	0.413	0.408	6.51
42)	TP	2-Butanone			0.129	0.118	0.118	0.115	0.120	0.123	0.121	4.11
43)	TP	1,1-Dichloropr...		0.283	0.363	0.341	0.345	0.329	0.339	0.344	0.335	7.47
45)	TP	Benzene	0.985	0.940	1.101	1.000	1.029	0.970	1.023	1.039	1.011	4.84
46)	TP	tert-Amyl meth...		0.624	0.694	0.693	0.698	0.674	0.713	0.724	0.688	4.75
47)	S	1,2-Dichloroet...	0.328	0.330	0.332	0.320	0.314	0.316	0.321	0.333	0.324	2.30
48)	TP	1,2-Dichloroet...	0.369	0.363	0.378	0.357	0.352	0.331	0.344	0.347	0.355	4.20
51)	TP	Methyl cyclohe...		0.402	0.482	0.453	0.482	0.470	0.493	0.512	0.470	7.52
52)	TP	Trichloroethene	0.230	0.251	0.294	0.274	0.278	0.267	0.284	0.292	0.271	7.94
54)	TP	Dibromomethane		0.148	0.164	0.158	0.154	0.143	0.151	0.153	0.153	4.46
55)	TP	1,2-Dichloropr...		0.248	0.280	0.281	0.276	0.241	0.256	0.250	0.262	6.37
57)	TP	2-Chloroethyl ...		0.138	0.156	0.169	0.162	0.156	0.164	0.166	0.159	6.62
58)	TP	Bromodichlorom...		0.376	0.403	0.360	0.325	0.300	0.316	0.328	0.344	10.66
61)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	8.10
62)	TP	cis-1,3-Dichlo...	0.380	0.369	0.426	0.431	0.421	0.399	0.420	0.426	0.409	5.76
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.336	1.336	1.337	1.315	1.322	1.314	1.313	1.273	1.318	1.60
65)	TP	Toluene		0.817	0.939	0.883	0.892	0.852	0.887	0.907	0.882	4.43
66)	TP	4-Methyl-2-pen...			0.117	0.130	0.124	0.122	0.126	0.128	0.125	3.72
67)	TP	Tetrachloroethene	0.422	0.364	0.435	0.412	0.418	0.400	0.415	0.424	0.411	5.22
69)	TP	trans-1,3-Dich...	0.447	0.443	0.508	0.517	0.518	0.496	0.513	0.516	0.495	6.36
71)	TP	Ethyl methacry...		0.413	0.437	0.449	0.427	0.404	0.420	0.420	0.424	3.54
72)	TP	1,1,2-Trichlor...		0.221	0.275	0.283	0.270	0.254	0.265	0.267	0.262	7.74
73)	TP	Chlorodibromom...		0.355	0.368	0.382	0.369	0.353	0.364	0.367	0.365	2.73
74)	TP	1,3-Dichloropr...		0.457	0.521	0.505	0.492	0.466	0.480	0.480	0.486	4.57
75)	TP	1,2-Dibromoethane		0.252	0.303	0.313	0.308	0.290	0.299	0.299	0.295	6.90
77)	TP	2-Hexanone		0.288	0.258	0.274	0.248	0.238	0.245	0.236	0.255	7.62
78)	T	Chlorobenzene		0.918	1.026	1.017	0.974	0.929	0.968	0.979	0.973	4.15
79)	TP	Ethylbenzene		1.595	1.850	1.775	1.770	1.699	1.771	1.802	1.752	4.70

Response Factor Report Jack

Method Path : K:\Jack\2025\250228ical\
Method File : VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025
Response Via : Initial Calibration

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
80)	T	1,1,1,2-Tetrac...		0.335	0.357	0.373	0.363	0.348	0.361	0.366	0.357		3.50
81)	TP	p/m Xylene		0.645	0.708	0.686	0.688	0.664	0.696	0.707	0.685		3.34
82)	TP	o Xylene		0.589	0.676	0.667	0.672	0.647	0.670	0.685	0.658		4.96
83)	TP	Styrene		1.014	1.124	1.148	1.131	1.100	1.162	1.170	1.121		4.72
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
85)	TP	Bromoform		0.362	0.410	0.478	0.453	0.449	0.467	0.471	0.441		9.41
87)	TP	Isopropylbenzene		2.650	3.158	3.087	3.017	2.981	3.074	3.092	3.009		5.59
88)	S	4-Bromofluorob...	0.862	0.863	0.878	0.843	0.860	0.854	0.849	0.834	0.855		1.60
89)	TP	Bromobenzene		0.653	0.771	0.768	0.717	0.693	0.716	0.723	0.720		5.70
90)	TP	n-Propylbenzene		3.201	3.840	3.736	3.667	3.583	3.730	3.757	3.645		5.80
91)	TP	1,4-Dichlorobu...		1.036	0.982	0.985	0.920	0.895	0.928	0.924	0.953		5.20
92)	TP	1,1,2,2-Tetrac...	0.741	0.677	0.717	0.769	0.692	0.656	0.675	0.673	0.700		5.57
93)	TP	4-Ethyltoluene		2.664	3.133	3.037	3.002	2.899	2.997	3.058	2.970		5.13
94)	TP	2-Chlorotoluene		2.257	2.575	2.465	2.381	2.309	2.400	2.443	2.404		4.35
95)	TP	1,3,5-Trimethy...		2.352	2.667	2.623	2.623	2.522	2.624	2.696	2.587		4.52
96)	TP	1,2,3-Trichlor...		0.562	0.562	0.597	0.553	0.535	0.548	0.565	0.560		3.46
97)	TP	trans-1,4-Dich...		0.217	0.239	0.259	0.243	0.233	0.236	0.237	0.238		5.26
98)	TP	4-Chlorotoluene		2.034	2.293	2.264	2.174	2.099	2.178	2.213	2.179		4.13
99)	TP	tert-Butylbenzene		1.938	2.265	2.188	2.174	2.106	2.165	2.219	2.151		4.92
102)	TP	1,2,4-Trimethy...		2.237	2.644	2.589	2.537	2.443	2.543	2.621	2.516		5.55
103)	TP	sec-Butylbenzene		2.766	3.420	3.326	3.347	3.277	3.391	3.458	3.283		7.19
104)	TP	p-Isopropyltol...		2.312	2.850	2.854	2.867	2.782	2.901	2.975	2.792		7.86
105)	TP	1,3-Dichlorobe...		1.397	1.537	1.530	1.464	1.399	1.463	1.499	1.470		3.88
106)	TP	1,4-Dichlorobe...		1.414	1.514	1.538	1.469	1.393	1.465	1.498	1.470		3.55
107)	TP	p-Diethylbenzene		1.375	1.618	1.676	1.683	1.627	1.714	1.767	1.637		7.71
108)	TP	n-Butylbenzene		2.079	2.516	2.521	2.571	2.512	2.628	2.687	2.502		7.91
109)	TP	1,2-Dichlorobe...		1.265	1.433	1.425	1.377	1.291	1.355	1.389	1.362		4.70
110)	TP	1,2,4,5-Tetram...		2.260	2.516	2.525	2.498	2.458	2.657	2.680	2.513		5.53
111)	TP	1,2-Dibromo-3-...		0.131	0.143	0.140	0.129	0.124	0.132	0.133	0.133		4.82
112)	TP	1,3,5-Trichlor...		0.981	1.066	1.090	1.061	1.058	1.124	1.124	1.072		4.56
113)	TP	Hexachlorobuta...		0.365	0.504	0.444	0.453	0.463	0.485	0.492	0.458		10.17

Method Path : K:\Jack\2025\250228ical\
Method File : VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025
Response Via : Initial Calibration

Calibration Files
L11 =J250228A02.D L1 =J250228A03.D L2 =J250228A04.D L3 =J250228A05.D L4 =J250228A06.D
L6 =J250228A07.D L8 =J250228A08.D L10 =J250228A09.D

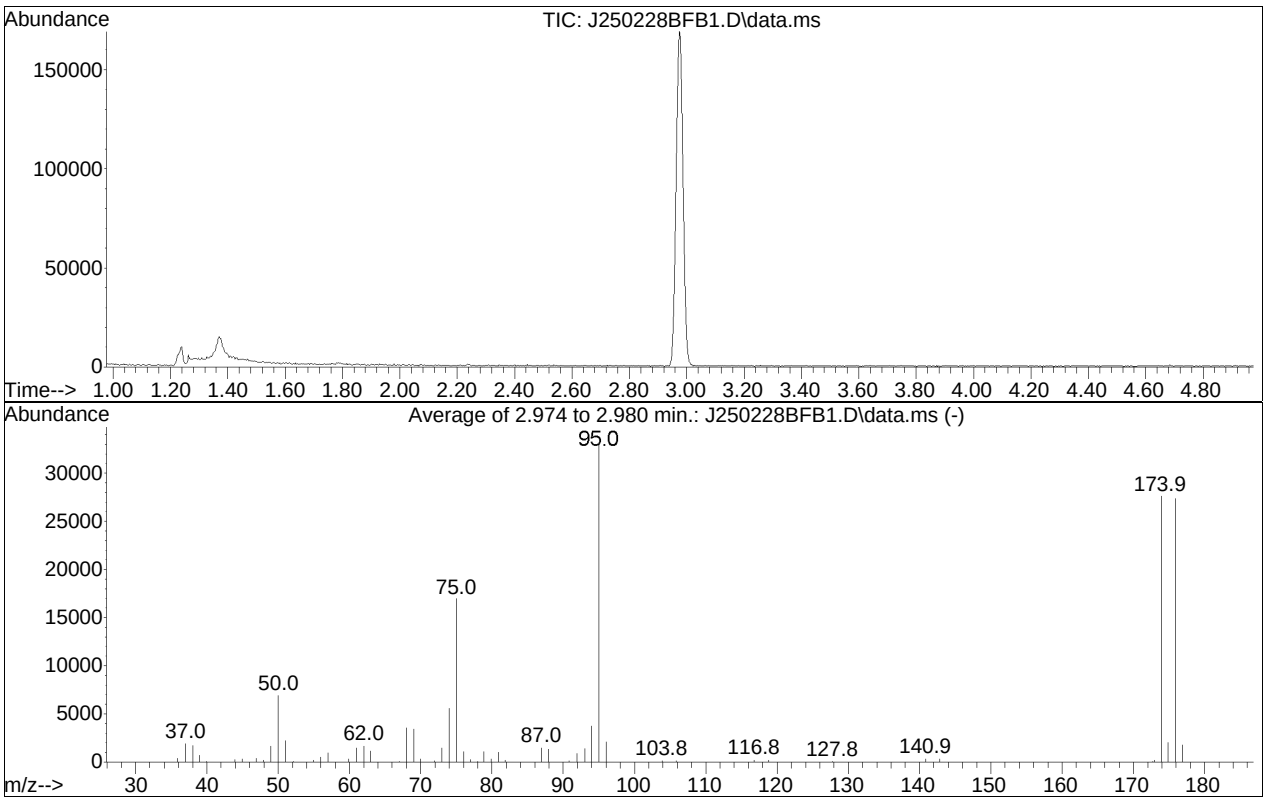
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
114)	TP 1,2,4-Trichlor...	0.829	0.978	0.956	0.938	0.940	0.988	1.006	0.948	6.14	
115)	TP Naphthalene	2.312	2.391	2.467	2.381	2.326	2.420	2.416	2.388	2.27	
116)	TP 1,2,3-Trichlor...	0.801	0.868	0.894	0.868	0.855	0.893	0.899	0.868	3.93	

(#) = Out of Range

Data Path : K:\Jack\2025\250228ical\
Data File : J250228BFB1.D
Acq On : 28 Feb 2025 4:50 am
Operator : JACK:MCM
Sample : WG2035930-1
Misc : WG2035930
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025



AutoFind: Scans 859, 860, 861; Background Corrected with Scan 845

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	6907	PASS
75	95	30	60	51.2	16972	PASS
95	95	100	100	100.0	33173	PASS
96	95	5	9	6.4	2128	PASS
173	174	0.00	2	0.8	211	PASS
174	95	50	100	83.3	27648	PASS
175	174	5	9	7.4	2045	PASS
176	174	95	101	99.0	27381	PASS
177	176	5	9	6.5	1767	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A02.D
Acq On : 28 Feb 2025 5:35 am
Operator : JACK:MCM
Sample : I8260STDL0.19ppb
Misc : WG2035930
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 09:41:13 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	203482	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 99.22%		
63) Chlorobenzene-d5	9.466	117	152223	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 100.02%		
84) 1,4-Dichlorobenzene-d4	12.188	152	88867	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 100.23%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	56854	10.572 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.72%		
47) 1,2-Dichloroethane-d4	5.635	65	66775	10.119 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.19%		
64) Toluene-d8	7.623	98	203359	10.135 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.35%		
88) 4-Bromofluorobenzene	10.973	95	76610	10.077 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.77%		
Target Compounds					Qvalue
4) Vinyl chloride	1.814	62	1366	0.191 ug/L	90
37) Carbon tetrachloride	5.065	117	1185	0.160 ug/L #	83
45) Benzene	5.501	78	3810	0.185 ug/L	92
48) 1,2-Dichloroethane	5.704	62	1426	0.197 ug/L #	87
52) Trichloroethene	6.094	95	891	0.161 ug/L #	74
62) cis-1,3-Dichloropropene	7.412	75	1470M1	0.177 ug/L	
67) Tetrachloroethene	8.121	166	1221	0.195 ug/L #	80
69) trans-1,3-Dichloropropene	8.169	75	1294	0.172 ug/L	87
92) 1,1,2,2-Tetrachloroethane	11.223	83	1252	0.201 ug/L #	93

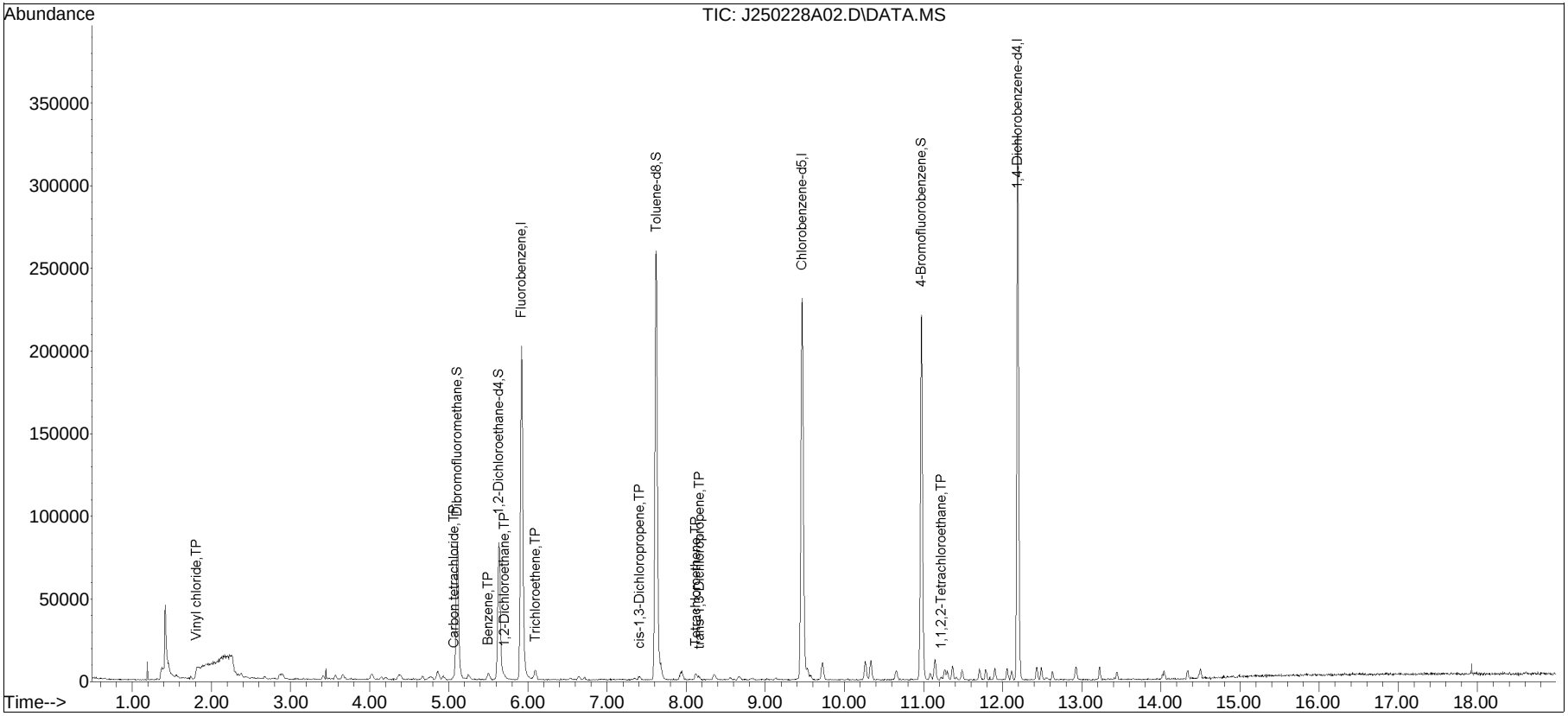
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A02.D
Acq On : 28 Feb 2025 5:35 am
Operator : JACK:MCM
Sample : I8260STDL0.19ppb
Misc : WG2035930
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 28 09:41:13 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJ\J250228A05.D•

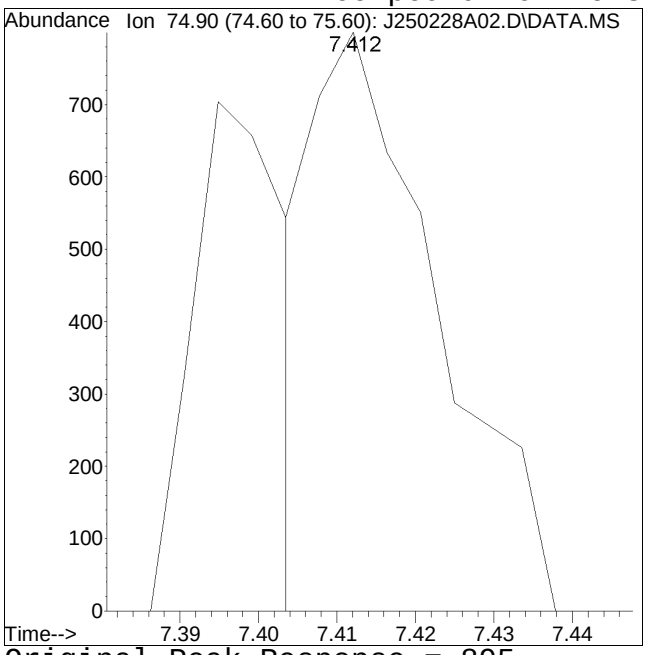


Manual Integration Report

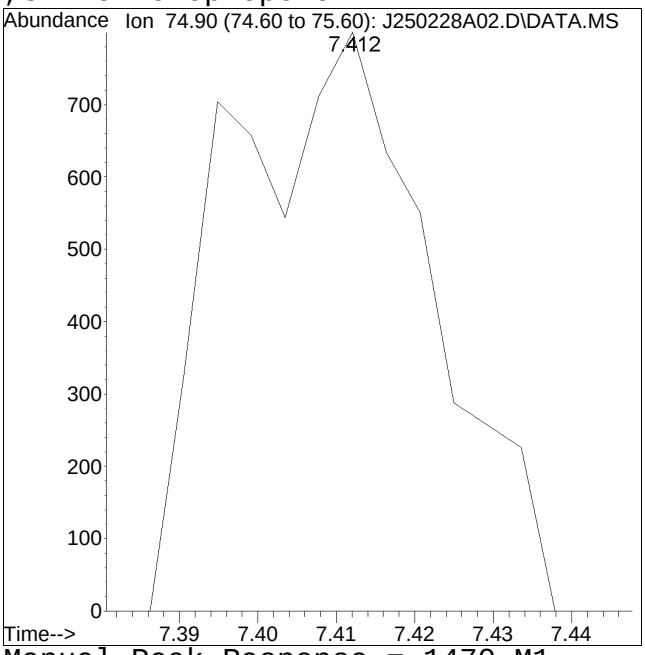
Data Path : K:\Jack\2025\250228ical\
Data File : J250228A02.D
Date Inj'd : 2/28/2025 5:35 am
Sample : I8260STDL0.19ppb

QMethod : VJ_250228_8260.m
Operator : JACK:MCM
Instrument : Jack
Quant Date : 2/28/2025 9:41 am

Compound #62: cis-1,3-Dichloropropene



Original Peak Response = 895



Manual Peak Response = 1470 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A03.D
Acq On : 28 Feb 2025 6:02 am
Operator : JACK:MCM
Sample : I8260STDL0.5ppb
Misc : WG2035930
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 09:41:20 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	202426	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 98.71%		
63) Chlorobenzene-d5	9.466	117	150973	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 99.20%		
84) 1,4-Dichlorobenzene-d4	12.192	152	87541	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 98.73%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	54511	10.189 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.89%		
47) 1,2-Dichloroethane-d4	5.635	65	66822	10.179 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.79%		
64) Toluene-d8	7.618	98	201659	10.133 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.33%		
88) 4-Bromofluorobenzene	10.972	95	75565	10.091 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.91%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.552	85	2525	0.446 ug/L	94
3) Chloromethane	1.738	50	2928	0.492 ug/L #	91
4) Vinyl chloride	1.814	62	3347	0.469 ug/L	98
5) Bromomethane	2.116	94	1775	0.492 ug/L	83
6) Chloroethane	2.238	64	2200	0.575 ug/L #	54
7) Trichlorofluoromethane	2.378	101	3454	0.416 ug/L	98
8) Ethyl ether	2.668	74	1096	0.467 ug/L #	81
10) 1,1-Dichloroethene	2.860	96	2080	0.450 ug/L	87
11) Carbon disulfide	2.889	76	6504	0.459 ug/L	99
12) Freon-113	2.895	101	2244	0.450 ug/L	88
14) Acrolein	0.000		0	N.D. d	
15) Methylene chloride	3.413	84	2656	0.531 ug/L	91
17) Acetone	3.465	43	1468	0.941 ug/L #	83
18) trans-1,2-Dichloroethene	3.570	96	2354	0.472 ug/L	84
19) Methyl acetate	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.657	73	6611	0.479 ug/L #	85
22) tert-Butyl alcohol	0.000		0	N.D. d	
24) Diisopropyl ether	4.029	45	7958	0.449 ug/L #	88
25) 1,1-Dichloroethane	4.146	63	4911	0.493 ug/L	99
26) Halothane	4.204	117	1963	0.482 ug/L	82
27) Acrylonitrile	0.000		0	N.D. d	

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A03.D
Acq On : 28 Feb 2025 6:02 am
Operator : JACK:MCM
Sample : I8260STDL0.5ppb
Misc : WG2035930
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 09:41:20 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.372	59	7537	0.474	ug/L		96
29) Vinyl acetate	4.390	43	6071	0.436	ug/L	#	91
30) cis-1,2-Dichloroethene	4.669	96	2744	0.498	ug/L		83
31) 2,2-Dichloropropane	4.780	77	4290	0.501	ug/L		96
33) Bromochloromethane	4.855	128	1194	0.484	ug/L	#	71
34) Cyclohexane	4.861	56	4894	0.474	ug/L		91
35) Chloroform	4.931	83	4694	0.502	ug/L		96
36) Ethyl acetate	5.065	43	2700	0.496	ug/L	#	71
37) Carbon tetrachloride	5.059	117	2958	0.402	ug/L		91
38) Tetrahydrofuran	5.082	42	1050	0.549	ug/L	#	54
40) 1,1,1-Trichloroethane	5.129	97	3718	0.450	ug/L		97
42) 2-Butanone	5.233	43	2228	0.913	ug/L	#	67
43) 1,1-Dichloropropene	5.251	75	2863	0.423	ug/L		92
45) Benzene	5.501	78	9516	0.465	ug/L		94
46) tert-Amyl methyl ether	5.617	73	6312	0.453	ug/L		94
48) 1,2-Dichloroethane	5.704	62	3670	0.510	ug/L	#	98
51) Methyl cyclohexane	6.088	83	4065	0.427	ug/L		90
52) Trichloroethene	6.106	95	2542	0.463	ug/L		89
54) Dibromomethane	6.542	93	1499	0.483	ug/L	#	73
55) 1,2-Dichloropropane	6.646	63	2515	0.474	ug/L		98
57) 2-Chloroethyl vinyl ether	7.356	63	1395	0.434	ug/L	#	33
58) Bromodichloromethane	6.710	83	3802	0.546	ug/L	#	95
61) 1,4-Dioxane	6.926	88	3904	88.974	ug/L		91
62) cis-1,3-Dichloropropene	7.412	75	3731	0.451	ug/L		88
65) Toluene	7.679	92	6164	0.463	ug/L		100
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	8.126	166	2749	0.443	ug/L	#	89
69) trans-1,3-Dichloropropene	8.160	75	3344	0.448	ug/L		91
71) Ethyl methacrylate	8.358	69	3117	0.487	ug/L	#	72
72) 1,1,2-Trichloroethane	8.345	83	1666	0.421	ug/L	#	75
73) Chlorodibromomethane	8.551	129	2676	0.485	ug/L	#	88
74) 1,3-Dichloropropane	8.669	76	3447	0.470	ug/L		100
75) 1,2-Dibromoethane	8.842	107	1900	0.427	ug/L		91
77) 2-Hexanone	9.133	43	2176	0.565	ug/L	#	70
78) Chlorobenzene	9.484	112	6927	0.472	ug/L	#	86
79) Ethylbenzene	9.529	91	12040	0.455	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.566	131	2529	0.469	ug/L		95
81) p/m Xylene	9.716	106	9744	0.942	ug/L		88
82) o Xylene	10.262	106	8889	0.895	ug/L		98
83) Styrene	10.331	104	15312	0.905	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A03.D
Acq On : 28 Feb 2025 6:02 am
Operator : JACK:MCM
Sample : I8260STDL0.5ppb
Misc : WG2035930
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 09:41:20 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	1583	0.410	ug/L		96
87) Isopropylbenzene	10.654	105	11598	0.440	ug/L		96
89) Bromobenzene	11.082	156	2858	0.453	ug/L		100
90) n-Propylbenzene	11.136	91	14009	0.439	ug/L		94
91) 1,4-Dichlorobutane	11.150	55	4536	0.544	ug/L		96
92) 1,1,2,2-Tetrachloroethane	11.218	83	2963	0.483	ug/L	#	95
93) 4-Ethyltoluene	11.264	105	11660	0.448	ug/L		97
94) 2-Chlorotoluene	11.300	91	9881	0.469	ug/L	#	88
95) 1,3,5-Trimethylbenzene	11.364	105	10293	0.455	ug/L		98
96) 1,2,3-Trichloropropane	11.355	75	2458	0.501	ug/L	#	86
97) trans-1,4-Dichloro-2-b...	11.419	53	949	0.456	ug/L		97
98) 4-Chlorotoluene	11.487	91	8904	0.467	ug/L		97
99) tert-Butylbenzene	11.705	119	8482	0.451	ug/L		95
102) 1,2,4-Trimethylbenzene	11.783	105	9791	0.444	ug/L		99
103) sec-Butylbenzene	11.901	105	12105	0.421	ug/L		95
104) p-Isopropyltoluene	12.056	119	10118	0.414	ug/L		98
105) 1,3-Dichlorobenzene	12.110	146	6113	0.475	ug/L		93
106) 1,4-Dichlorobenzene	12.206	146	6190	0.481	ug/L		95
107) p-Diethylbenzene	12.429	119	6018	0.420	ug/L		95
108) n-Butylbenzene	12.488	91	9098	0.415	ug/L	#	92
109) 1,2-Dichlorobenzene	12.629	146	5536	0.464	ug/L		93
110) 1,2,4,5-Tetramethylben...	13.226	119	9891	0.450	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.412	155	572	0.491	ug/L		88
112) 1,3,5-Trichlorobenzene	13.440	180	4293	0.457	ug/L		95
113) Hexachlorobutadiene	14.022	225	1596	0.398	ug/L		96
114) 1,2,4-Trichlorobenzene	14.041	180	3628	0.437	ug/L		96
115) Naphthalene	14.337	128	10118	0.484	ug/L		100
116) 1,2,3-Trichlorobenzene	14.505	180	3504	0.461	ug/L		99

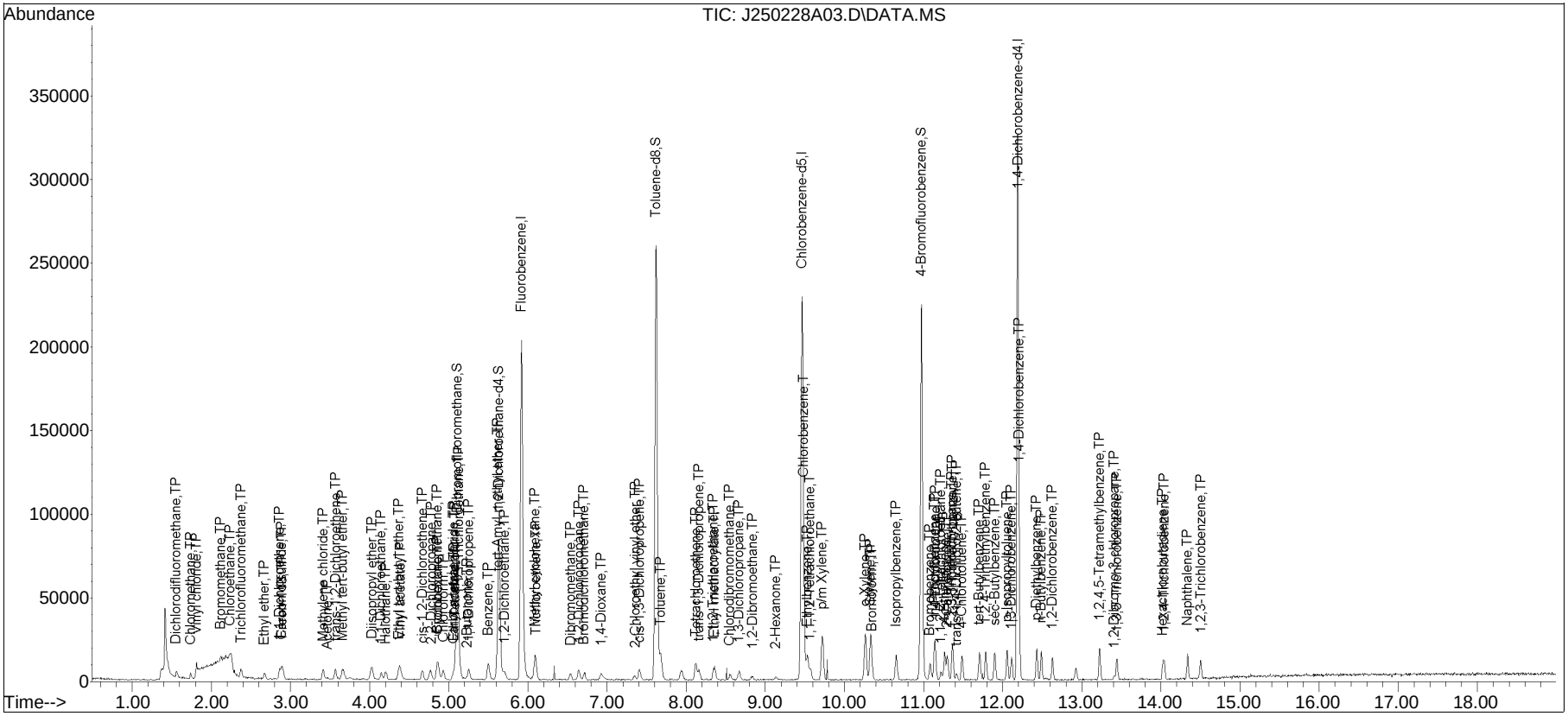
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A03.D
Acq On : 28 Feb 2025 6:02 am
Operator : JACK:MCM
Sample : I8260STDL0.5ppb
Misc : WG2035930
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 09:41:20 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A03.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 6:02 am	Instrument	: Jack
Sample	: I8260STDL0.5ppb	Quant Date	: 2/28/2025 9:41 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A04.D
Acq On : 28 Feb 2025 6:29 am
Operator : JACK:MCM
Sample : I8260STDL2ppb
Misc : WG2035930
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 09:41:27 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	203237	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 99.10%		
63) Chlorobenzene-d5	9.466	117	151098	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 99.28%		
84) 1,4-Dichlorobenzene-d4	12.188	152	86380	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 97.43%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	55168	10.271 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.71%		
47) 1,2-Dichloroethane-d4	5.635	65	67456	10.235 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.35%		
64) Toluene-d8	7.623	98	201993	10.142 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.42%		
88) 4-Bromofluorobenzene	10.973	95	75871	10.268 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.68%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	13415	2.361 ug/L	94
3) Chloromethane	1.738	50	14337	2.399 ug/L	96
4) Vinyl chloride	1.814	62	17040	2.380 ug/L	98
5) Bromomethane	2.116	94	7283	2.012 ug/L	96
6) Chloroethane	2.244	64	9165	2.384 ug/L #	80
7) Trichlorofluoromethane	2.378	101	19112	2.290 ug/L	99
8) Ethyl ether	2.674	74	5067	2.153 ug/L #	94
10) 1,1-Dichloroethene	2.866	96	10694	2.305 ug/L	83
11) Carbon disulfide	2.890	76	32632	2.294 ug/L	100
12) Freon-113	2.901	101	10949	2.187 ug/L #	79
14) Acrolein	3.180	56	1729	2.063 ug/L #	62
15) Methylene chloride	3.413	84	11250	2.238 ug/L	97
17) Acetone	3.454	43	3915	2.501 ug/L #	89
18) trans-1,2-Dichloroethene	3.564	96	11153	2.225 ug/L	87
19) Methyl acetate	3.576	43	6653	1.956 ug/L #	94
21) Methyl tert-butyl ether	3.663	73	28184	2.034 ug/L	97
22) tert-Butyl alcohol	3.750	59	4907	9.325 ug/L #	84
24) Diisopropyl ether	4.024	45	38204	2.149 ug/L	98
25) 1,1-Dichloroethane	4.146	63	23337	2.335 ug/L	97
26) Halothane	4.204	117	8932	2.182 ug/L	97
27) Acrylonitrile	4.204	53	3397	2.040 ug/L	88

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A04.D
Acq On : 28 Feb 2025 6:29 am
Operator : JACK:MCM
Sample : I8260STDL2ppb
Misc : WG2035930
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 09:41:27 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.367	59	31890	1.998	ug/L		96
29) Vinyl acetate	4.390	43	27877	1.994	ug/L		98
30) cis-1,2-Dichloroethene	4.663	96	12787	2.312	ug/L		85
31) 2,2-Dichloropropane	4.768	77	19796	2.302	ug/L		93
33) Bromochloromethane	4.861	128	5599	2.261	ug/L	#	72
34) Cyclohexane	4.861	56	22599	2.181	ug/L		96
35) Chloroform	4.931	83	21959	2.338	ug/L		96
36) Ethyl acetate	5.047	43	11263	2.061	ug/L	#	92
37) Carbon tetrachloride	5.065	117	16760	2.270	ug/L		99
38) Tetrahydrofuran	5.076	42	3882	2.021	ug/L		98
40) 1,1,1-Trichloroethane	5.134	97	18477	2.226	ug/L		94
42) 2-Butanone	5.227	43	5254M1	2.144	ug/L		
43) 1,1-Dichloropropene	5.251	75	14739	2.167	ug/L		92
45) Benzene	5.501	78	44734	2.177	ug/L		98
46) tert-Amyl methyl ether	5.611	73	28190	2.015	ug/L		97
48) 1,2-Dichloroethane	5.704	62	15375	2.130	ug/L	#	98
51) Methyl cyclohexane	6.094	83	19572	2.047	ug/L		92
52) Trichloroethene	6.094	95	11934	2.163	ug/L		96
54) Dibromomethane	6.542	93	6684	2.146	ug/L	#	88
55) 1,2-Dichloropropane	6.641	63	11395	2.140	ug/L		99
57) 2-Chloroethyl vinyl ether	7.348	63	6357	1.969	ug/L		96
58) Bromodichloromethane	6.716	83	16393	2.345	ug/L	#	97
61) 1,4-Dioxane	6.931	88	15933	361.672	ug/L		98
62) cis-1,3-Dichloropropene	7.412	75	17318	2.083	ug/L		99
65) Toluene	7.674	92	28373	2.128	ug/L		98
66) 4-Methyl-2-pentanone	8.113	58	3550	1.882	ug/L		93
67) Tetrachloroethene	8.117	166	13132	2.113	ug/L		92
69) trans-1,3-Dichloropropene	8.156	75	15355	2.054	ug/L		90
71) Ethyl methacrylate	8.362	69	13208	2.061	ug/L	#	85
72) 1,1,2-Trichloroethane	8.345	83	8301	2.096	ug/L		97
73) Chlorodibromomethane	8.555	129	11114	2.013	ug/L		95
74) 1,3-Dichloropropane	8.674	76	15743	2.145	ug/L		99
75) 1,2-Dibromoethane	8.838	107	9149	2.055	ug/L		99
77) 2-Hexanone	9.129	43	7806	2.024	ug/L	#	90
78) Chlorobenzene	9.484	112	30998	2.109	ug/L		97
79) Ethylbenzene	9.534	91	55899	2.112	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.575	131	10795	1.998	ug/L		97
81) p/m Xylene	9.721	106	42789	4.134	ug/L		95
82) o Xylene	10.262	106	40853	4.109	ug/L		97
83) Styrene	10.331	104	67932	4.010	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A04.D
Acq On : 28 Feb 2025 6:29 am
Operator : JACK:MCM
Sample : I8260STDL2ppb
Misc : WG2035930
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 09:41:27 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	7084	1.859	ug/L		91
87) Isopropylbenzene	10.658	105	54565	2.100	ug/L		98
89) Bromobenzene	11.086	156	13316	2.140	ug/L		100
90) n-Propylbenzene	11.136	91	66344	2.107	ug/L		96
91) 1,4-Dichlorobutane	11.150	55	16959	2.061	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.223	83	12392	2.049	ug/L	#	97
93) 4-Ethyltoluene	11.268	105	54122	2.110	ug/L		98
94) 2-Chlorotoluene	11.300	91	44488	2.142	ug/L		91
95) 1,3,5-Trimethylbenzene	11.364	105	46069	2.062	ug/L		97
96) 1,2,3-Trichloropropane	11.364	75	9705	2.005	ug/L	#	87
97) trans-1,4-Dichloro-2-b...	11.419	53	4134	2.014	ug/L		93
98) 4-Chlorotoluene	11.487	91	39609	2.104	ug/L		91
99) tert-Butylbenzene	11.710	119	39128	2.106	ug/L		96
102) 1,2,4-Trimethylbenzene	11.783	105	45681	2.102	ug/L		100
103) sec-Butylbenzene	11.897	105	59080	2.083	ug/L		93
104) p-Isopropyltoluene	12.056	119	49228	2.042	ug/L		96
105) 1,3-Dichlorobenzene	12.111	146	26550	2.091	ug/L		97
106) 1,4-Dichlorobenzene	12.206	146	26160	2.060	ug/L		97
107) p-Diethylbenzene	12.429	119	27951	1.977	ug/L		96
108) n-Butylbenzene	12.488	91	43458	2.011	ug/L		98
109) 1,2-Dichlorobenzene	12.630	146	24758	2.104	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.226	119	43474	2.003	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.408	155	2471	2.149	ug/L		94
112) 1,3,5-Trichlorobenzene	13.444	180	18416	1.989	ug/L		93
113) Hexachlorobutadiene	14.018	225	8713	2.202	ug/L		93
114) 1,2,4-Trichlorobenzene	14.045	180	16904	2.064	ug/L		98
115) Naphthalene	14.337	128	41314	2.003	ug/L		100
116) 1,2,3-Trichlorobenzene	14.500	180	14998	2.000	ug/L		95

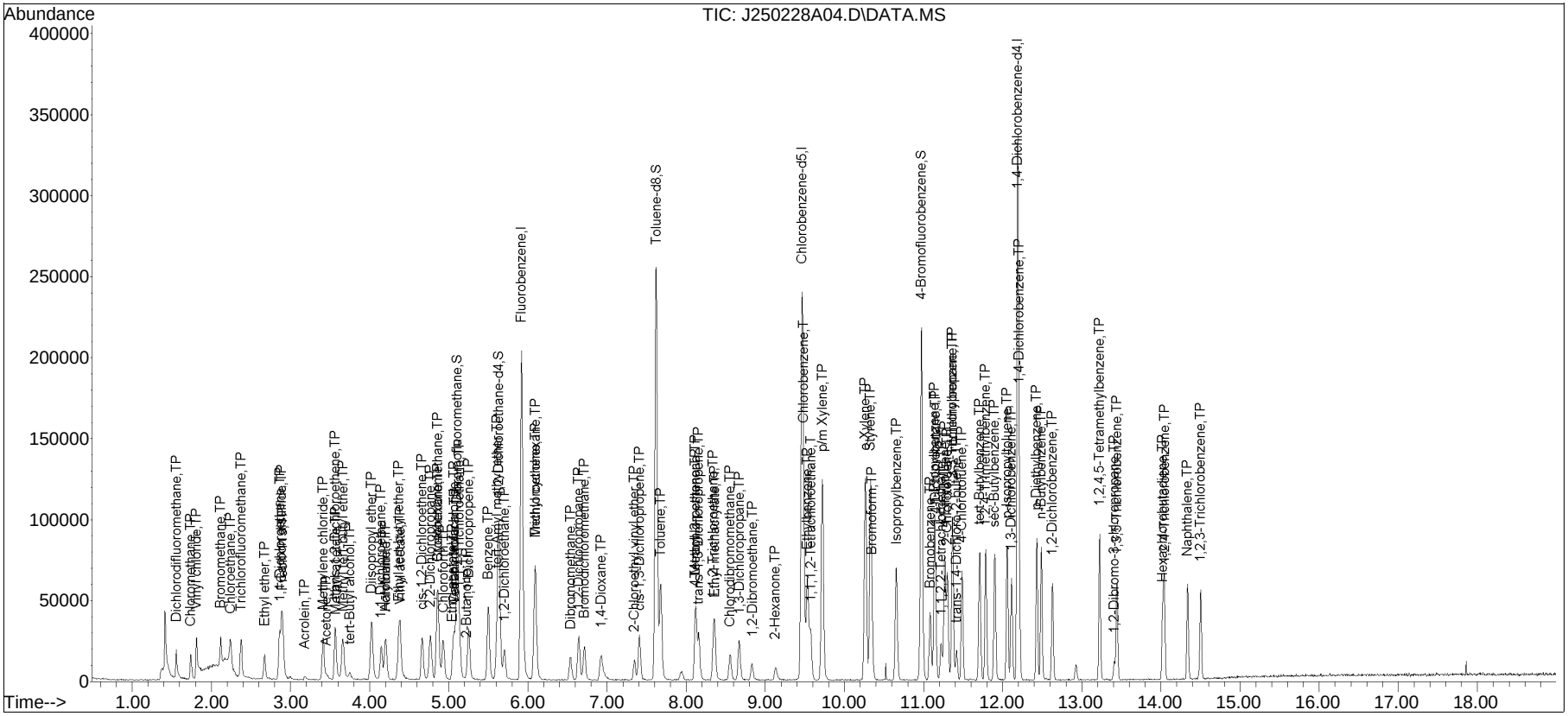
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A04.D
Acq On : 28 Feb 2025 6:29 am
Operator : JACK:MCM
Sample : I8260STDL2ppb
Misc : WG2035930
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 09:41:27 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

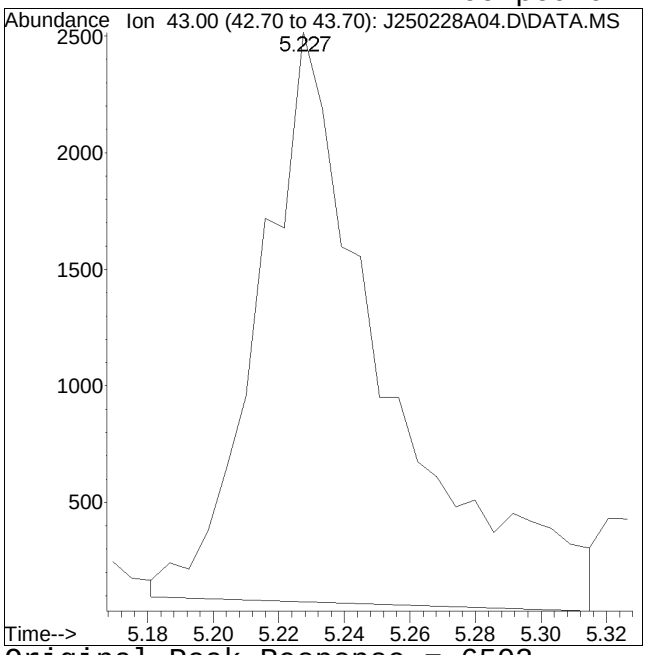
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

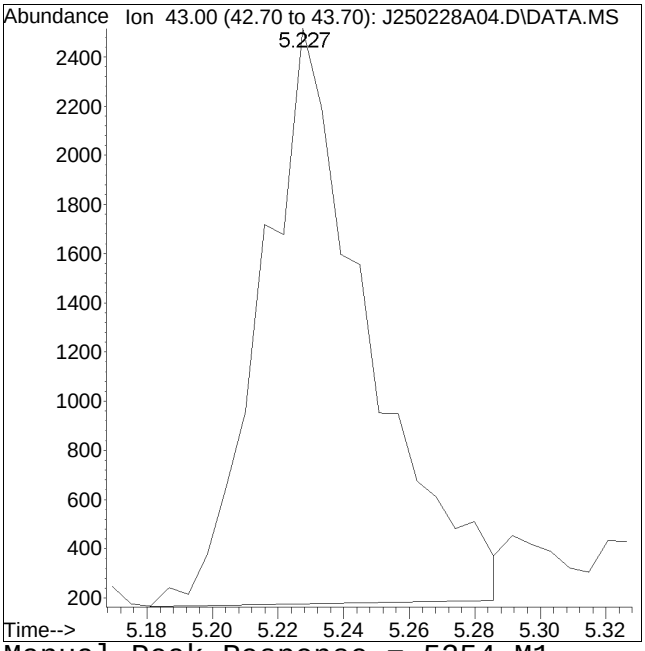


Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A04.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 6:29 am	Instrument	: Jack
Sample	: I8260STDL2ppb	Quant Date	: 2/28/2025 9:41 am

Compound #42: 2-Butanone





Original Peak Response = 6503 Manual Peak Response = 5254 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A05.D
Acq On : 28 Feb 2025 6:55 am
Operator : JACK:MCM
Sample : I8260STDL10ppb
Misc : WG2035930
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 09:41:33 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	205075	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 100.00%		
63) Chlorobenzene-d5	9.466	117	152189	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 100.00%		
84) 1,4-Dichlorobenzene-d4	12.188	152	88663	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 100.00%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	54706	10.093 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%		
47) 1,2-Dichloroethane-d4	5.635	65	65542	9.855 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.55%		
64) Toluene-d8	7.618	98	200175	9.978 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.78%		
88) 4-Bromofluorobenzene	10.972	95	74780	9.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.59%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	58816	10.257 ug/L	98
3) Chloromethane	1.744	50	60581	10.047 ug/L	98
4) Vinyl chloride	1.814	62	74624	10.329 ug/L	99
5) Bromomethane	2.122	94	35403	9.692 ug/L	94
6) Chloroethane	2.244	64	39835	10.269 ug/L	97
7) Trichlorofluoromethane	2.378	101	87532	10.395 ug/L	99
8) Ethyl ether	2.674	74	24190	10.185 ug/L	97
10) 1,1-Dichloroethene	2.866	96	46850	10.008 ug/L	86
11) Carbon disulfide	2.889	76	143284	9.984 ug/L	100
12) Freon-113	2.901	101	50825	10.060 ug/L #	80
14) Acrolein	3.174	56	7957	9.409 ug/L	96
15) Methylene chloride	3.413	84	50403	9.937 ug/L	94
17) Acetone	3.454	43	15121	9.571 ug/L	98
18) trans-1,2-Dichloroethene	3.564	96	51760	10.236 ug/L	89
19) Methyl acetate	3.576	43	33319	9.707 ug/L #	94
21) Methyl tert-butyl ether	3.663	73	139561	9.981 ug/L	98
22) tert-Butyl alcohol	3.750	59	30265	56.996 ug/L #	90
24) Diisopropyl ether	4.029	45	178278	9.936 ug/L	99
25) 1,1-Dichloroethane	4.146	63	101064	10.023 ug/L	98
26) Halothane	4.198	117	42085	10.191 ug/L	98
27) Acrylonitrile	4.192	53	16950	10.088 ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A05.D
Acq On : 28 Feb 2025 6:55 am
Operator : JACK:MCM
Sample : I8260STDL10ppb
Misc : WG2035930
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 09:41:33 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.372	59	158886	9.867	ug/L		96
29) Vinyl acetate	4.384	43	137848	9.773	ug/L		99
30) cis-1,2-Dichloroethene	4.669	96	55971	10.031	ug/L		88
31) 2,2-Dichloropropane	4.768	77	85471	9.850	ug/L		95
33) Bromochloromethane	4.855	128	26086	10.440	ug/L	#	70
34) Cyclohexane	4.861	56	104037	9.952	ug/L		98
35) Chloroform	4.931	83	92739	9.785	ug/L		98
36) Ethyl acetate	5.047	43	55356	10.038	ug/L		99
37) Carbon tetrachloride	5.065	117	76585	10.282	ug/L		97
38) Tetrahydrofuran	5.082	42	20058	10.346	ug/L		96
40) 1,1,1-Trichloroethane	5.134	97	84043	10.033	ug/L		94
42) 2-Butanone	5.222	43	24207	9.788	ug/L		92
43) 1,1-Dichloropropene	5.257	75	69900	10.183	ug/L		94
45) Benzene	5.501	78	205042	9.890	ug/L		98
46) tert-Amyl methyl ether	5.617	73	142135	10.069	ug/L		97
48) 1,2-Dichloroethane	5.704	62	73188	10.048	ug/L		98
51) Methyl cyclohexane	6.088	83	92948	9.636	ug/L		95
52) Trichloroethene	6.094	95	56188	10.094	ug/L		92
54) Dibromomethane	6.536	93	32473	10.331	ug/L	#	87
55) 1,2-Dichloropropane	6.641	63	57556	10.715	ug/L		98
57) 2-Chloroethyl vinyl ether	7.348	63	34726	10.659	ug/L		93
58) Bromodichloromethane	6.716	83	73756	10.455	ug/L	#	98
61) 1,4-Dioxane	6.930	88	21879	492.192	ug/L		97
62) cis-1,3-Dichloropropene	7.408	75	88488	10.550	ug/L		96
65) Toluene	7.679	92	134313	10.002	ug/L		99
66) 4-Methyl-2-pentanone	8.113	58	19859	10.454	ug/L	#	92
67) Tetrachloroethene	8.121	166	62751	10.024	ug/L	#	91
69) trans-1,3-Dichloropropene	8.160	75	78725	10.454	ug/L		92
71) Ethyl methacrylate	8.358	69	68313	10.582	ug/L	#	85
72) 1,1,2-Trichloroethane	8.349	83	43110	10.807	ug/L		95
73) Chlorodibromomethane	8.555	129	58202	10.467	ug/L		99
74) 1,3-Dichloropropane	8.669	76	76833	10.394	ug/L		99
75) 1,2-Dibromoethane	8.833	107	47612	10.616	ug/L		98
77) 2-Hexanone	9.124	43	41661	10.723	ug/L		99
78) Chlorobenzene	9.488	112	154735	10.450	ug/L		90
79) Ethylbenzene	9.534	91	270143	10.133	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.570	131	56693	10.420	ug/L		97
81) p/m Xylene	9.721	106	208824	20.029	ug/L		94
82) o Xylene	10.262	106	202984	20.268	ug/L		95
83) Styrene	10.331	104	349337	20.471	ug/L		93

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A05.D
Acq On : 28 Feb 2025 6:55 am
Operator : JACK:MCM
Sample : I8260STDL10ppb
Misc : WG2035930
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 09:41:33 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	42346	10.826	ug/L		99
87) Isopropylbenzene	10.654	105	273713	10.261	ug/L		98
89) Bromobenzene	11.082	156	68071	10.660	ug/L		100
90) n-Propylbenzene	11.136	91	331281	10.251	ug/L		96
91) 1,4-Dichlorobutane	11.150	55	87304	10.335	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.223	83	68211	10.986	ug/L	#	97
93) 4-Ethyltoluene	11.268	105	269283	10.226	ug/L		98
94) 2-Chlorotoluene	11.300	91	218558	10.253	ug/L		91
95) 1,3,5-Trimethylbenzene	11.368	105	232543	10.140	ug/L		98
96) 1,2,3-Trichloropropane	11.359	75	52973	10.664	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.419	53	22946	10.888	ug/L		97
98) 4-Chlorotoluene	11.487	91	200700	10.387	ug/L		92
99) tert-Butylbenzene	11.710	119	193960	10.172	ug/L		95
102) 1,2,4-Trimethylbenzene	11.787	105	229550	10.289	ug/L		98
103) sec-Butylbenzene	11.901	105	294908	10.130	ug/L		95
104) p-Isopropyltoluene	12.056	119	253043	10.224	ug/L		96
105) 1,3-Dichlorobenzene	12.110	146	135685	10.411	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	136320	10.458	ug/L		97
107) p-Diethylbenzene	12.429	119	148615	10.239	ug/L		95
108) n-Butylbenzene	12.488	91	223486	10.075	ug/L		97
109) 1,2-Dichlorobenzene	12.629	146	126367	10.463	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.226	119	223837	10.045	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.408	155	12394	10.499	ug/L		99
112) 1,3,5-Trichlorobenzene	13.444	180	96646	10.168	ug/L		94
113) Hexachlorobutadiene	14.022	225	39392	9.699	ug/L		98
114) 1,2,4-Trichlorobenzene	14.041	180	84784	10.086	ug/L		98
115) Naphthalene	14.337	128	218730	10.332	ug/L		100
116) 1,2,3-Trichlorobenzene	14.500	180	79263	10.296	ug/L		99

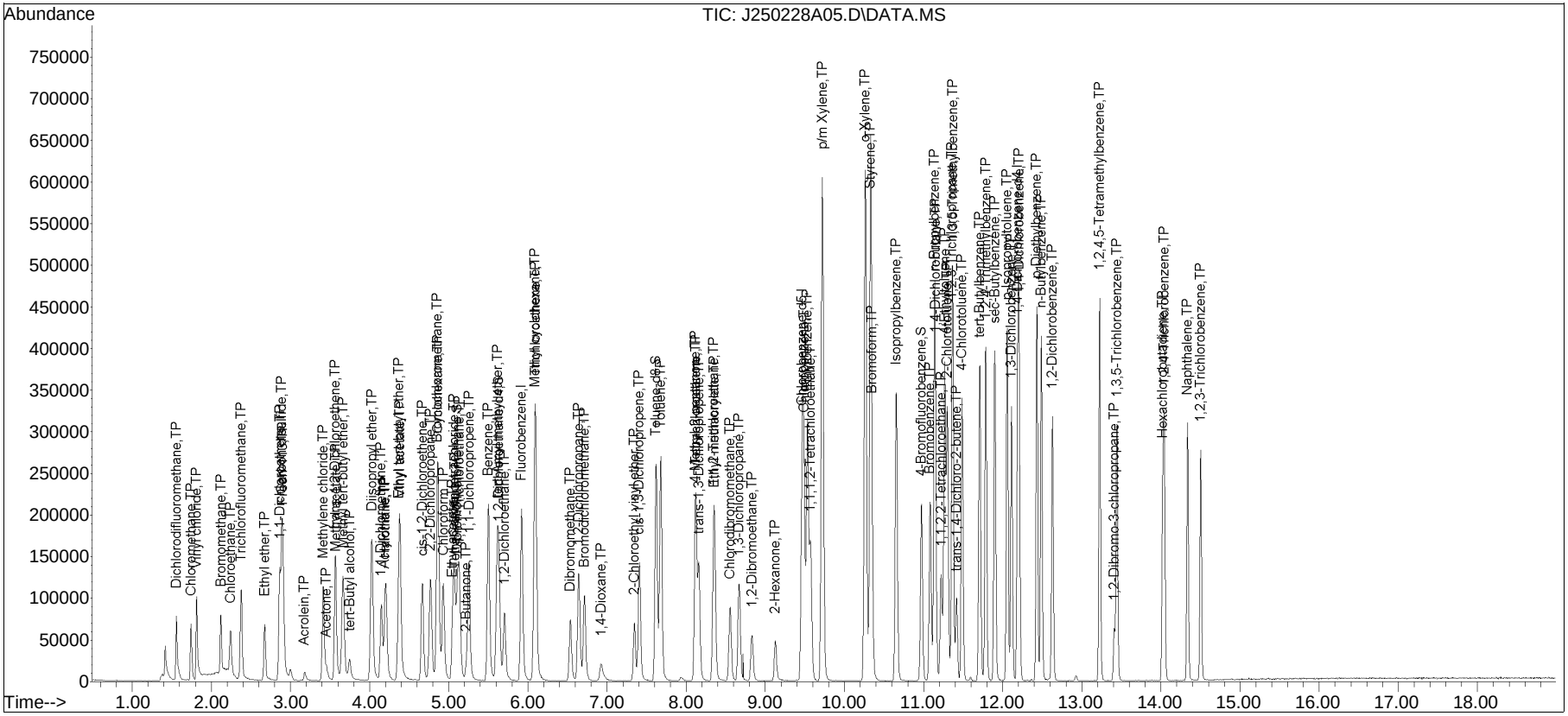
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A05.D
Acq On : 28 Feb 2025 6:55 am
Operator : JACK:MCM
Sample : I8260STDL10ppb
Misc : WG2035930
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 09:41:33 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A05.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 6:55 am	Instrument	: Jack
Sample	: I8260STDL10ppb	Quant Date	: 2/28/2025 9:41 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A06.D
Acq On : 28 Feb 2025 7:22 am
Operator : JACK:MCM
Sample : I8260STDL30ppb
Misc : WG2035930
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 09:41:39 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	213925	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 104.32%		
63) Chlorobenzene-d5	9.466	117	154349	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 101.42%		
84) 1,4-Dichlorobenzene-d4	12.193	152	92448	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 104.27%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	54451	9.631 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.31%		
47) 1,2-Dichloroethane-d4	5.635	65	67220	9.689 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.89%		
64) Toluene-d8	7.619	98	204042	10.029 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%		
88) 4-Bromofluorobenzene	10.973	95	79484	10.050 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.50%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	182021	30.431 ug/L	99
3) Chloromethane	1.738	50	186299	29.620 ug/L	99
4) Vinyl chloride	1.814	62	229989	30.515 ug/L	96
5) Bromomethane	2.116	94	110105	28.896 ug/L	97
6) Chloroethane	2.238	64	121871	30.116 ug/L	98
7) Trichlorofluoromethane	2.372	101	268168	30.530 ug/L	100
8) Ethyl ether	2.674	74	74902	30.232 ug/L	97
10) 1,1-Dichloroethene	2.861	96	148441	30.397 ug/L	83
11) Carbon disulfide	2.890	76	450125	30.066 ug/L	100
12) Freon-113	2.901	101	159407	30.248 ug/L #	80
14) Acrolein	3.175	56	26222	29.723 ug/L	100
15) Methylene chloride	3.413	84	156343	29.549 ug/L	93
17) Acetone	3.454	43	46901	28.460 ug/L	98
18) trans-1,2-Dichloroethene	3.564	96	158930	30.128 ug/L	90
19) Methyl acetate	3.570	43	107705	30.080 ug/L #	95
21) Methyl tert-butyl ether	3.663	73	438637	30.074 ug/L	98
22) tert-Butyl alcohol	3.750	59	81715	147.521 ug/L	94
24) Diisopropyl ether	4.024	45	568263	30.362 ug/L	99
25) 1,1-Dichloroethane	4.146	63	312964	29.753 ug/L	98
26) Halothane	4.204	117	129740	30.118 ug/L	99
27) Acrylonitrile	4.187	53	51533	29.402 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A06.D
Acq On : 28 Feb 2025 7:22 am
Operator : JACK:MCM
Sample : I8260STDL30ppb
Misc : WG2035930
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 09:41:39 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.373	59	505302	30.082	ug/L		94
29) Vinyl acetate	4.384	43	457615	31.102	ug/L		99
30) cis-1,2-Dichloroethene	4.663	96	171368	29.442	ug/L		88
31) 2,2-Dichloropropane	4.768	77	263630	29.125	ug/L		96
33) Bromochloromethane	4.855	128	79739	30.593	ug/L	#	71
34) Cyclohexane	4.861	56	328042	30.083	ug/L		98
35) Chloroform	4.931	83	289678	29.299	ug/L		98
36) Ethyl acetate	5.041	43	170645	29.663	ug/L		99
37) Carbon tetrachloride	5.065	117	247292	31.826	ug/L		98
38) Tetrahydrofuran	5.076	42	58925	29.137	ug/L		99
40) 1,1,1-Trichloroethane	5.129	97	266924	30.546	ug/L		95
42) 2-Butanone	5.222	43	76033	29.472	ug/L	#	73
43) 1,1-Dichloropropene	5.251	75	221526	30.938	ug/L		94
45) Benzene	5.501	78	660204	30.528	ug/L		98
46) tert-Amyl methyl ether	5.611	73	447774	30.410	ug/L		96
48) 1,2-Dichloroethane	5.704	62	226198	29.771	ug/L		98
51) Methyl cyclohexane	6.088	83	309378	30.747	ug/L		93
52) Trichloroethene	6.094	95	178728	30.780	ug/L		93
54) Dibromomethane	6.536	93	98695	30.100	ug/L	#	88
55) 1,2-Dichloropropane	6.641	63	177368	31.653	ug/L		98
57) 2-Chloroethyl vinyl ether	7.348	63	104156	30.648	ug/L	#	91
58) Bromodichloromethane	6.716	83	208574	28.342	ug/L	#	95
61) 1,4-Dioxane	6.922	88	30910	666.588	ug/L		95
62) cis-1,3-Dichloropropene	7.408	75	270329	30.896	ug/L		97
65) Toluene	7.679	92	412968	30.322	ug/L		100
66) 4-Methyl-2-pentanone	8.117	58	57342	29.763	ug/L	#	94
67) Tetrachloroethene	8.122	166	193698	30.509	ug/L		92
69) trans-1,3-Dichloropropene	8.160	75	239688	31.382	ug/L		91
71) Ethyl methacrylate	8.362	69	197530	30.169	ug/L	#	86
72) 1,1,2-Trichloroethane	8.345	83	125011	30.899	ug/L		95
73) Chlorodibromomethane	8.555	129	170873	30.301	ug/L		100
74) 1,3-Dichloropropane	8.669	76	227810	30.387	ug/L		100
75) 1,2-Dibromoethane	8.833	107	142516	31.333	ug/L		100
77) 2-Hexanone	9.124	43	114967	29.176	ug/L		98
78) Chlorobenzene	9.484	112	451043	30.036	ug/L		93
79) Ethylbenzene	9.534	91	819539	30.312	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.571	131	167911	30.431	ug/L		97
81) p/m Xylene	9.721	106	637495	60.289	ug/L		94
82) o Xylene	10.262	106	622797	61.315	ug/L		94
83) Styrene	10.331	104	1047709	60.537	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A06.D
Acq On : 28 Feb 2025 7:22 am
Operator : JACK:MCM
Sample : I8260STDL30ppb
Misc : WG2035930
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 09:41:39 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.344	173	125583	30.791	ug/L		98
87) Isopropylbenzene	10.654	105	836760	30.085	ug/L		98
89) Bromobenzene	11.082	156	198964	29.883	ug/L		99
90) n-Propylbenzene	11.136	91	1016978	30.181	ug/L		96
91) 1,4-Dichlorobutane	11.150	55	255170	28.971	ug/L		96
92) 1,1,2,2-Tetrachloroethane	11.218	83	192046	29.665	ug/L	#	99
93) 4-Ethyltoluene	11.268	105	832654	30.326	ug/L		98
94) 2-Chlorotoluene	11.300	91	660253	29.705	ug/L		91
95) 1,3,5-Trimethylbenzene	11.369	105	727384	30.420	ug/L		98
96) 1,2,3-Trichloropropane	11.360	75	153432	29.622	ug/L		88
97) trans-1,4-Dichloro-2-b...	11.414	53	67349	30.650	ug/L		97
98) 4-Chlorotoluene	11.487	91	602948	29.927	ug/L		91
99) tert-Butylbenzene	11.710	119	603072	30.332	ug/L		95
102) 1,2,4-Trimethylbenzene	11.787	105	703591	30.245	ug/L		98
103) sec-Butylbenzene	11.901	105	928139	30.576	ug/L		95
104) p-Isopropyltoluene	12.056	119	795227	30.814	ug/L		96
105) 1,3-Dichlorobenzene	12.111	146	406042	29.881	ug/L		97
106) 1,4-Dichlorobenzene	12.206	146	407423	29.976	ug/L		96
107) p-Diethylbenzene	12.434	119	466647	30.835	ug/L		95
108) n-Butylbenzene	12.488	91	712916	30.824	ug/L		97
109) 1,2-Dichlorobenzene	12.630	146	381916	30.328	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.226	119	692673	29.812	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.408	155	35914	29.177	ug/L		99
112) 1,3,5-Trichlorobenzene	13.444	180	294378	29.704	ug/L		95
113) Hexachlorobutadiene	14.023	225	125575	29.652	ug/L		99
114) 1,2,4-Trichlorobenzene	14.041	180	260261	29.695	ug/L		99
115) Naphthalene	14.337	128	660446	29.921	ug/L		100
116) 1,2,3-Trichlorobenzene	14.501	180	240765	29.996	ug/L		96

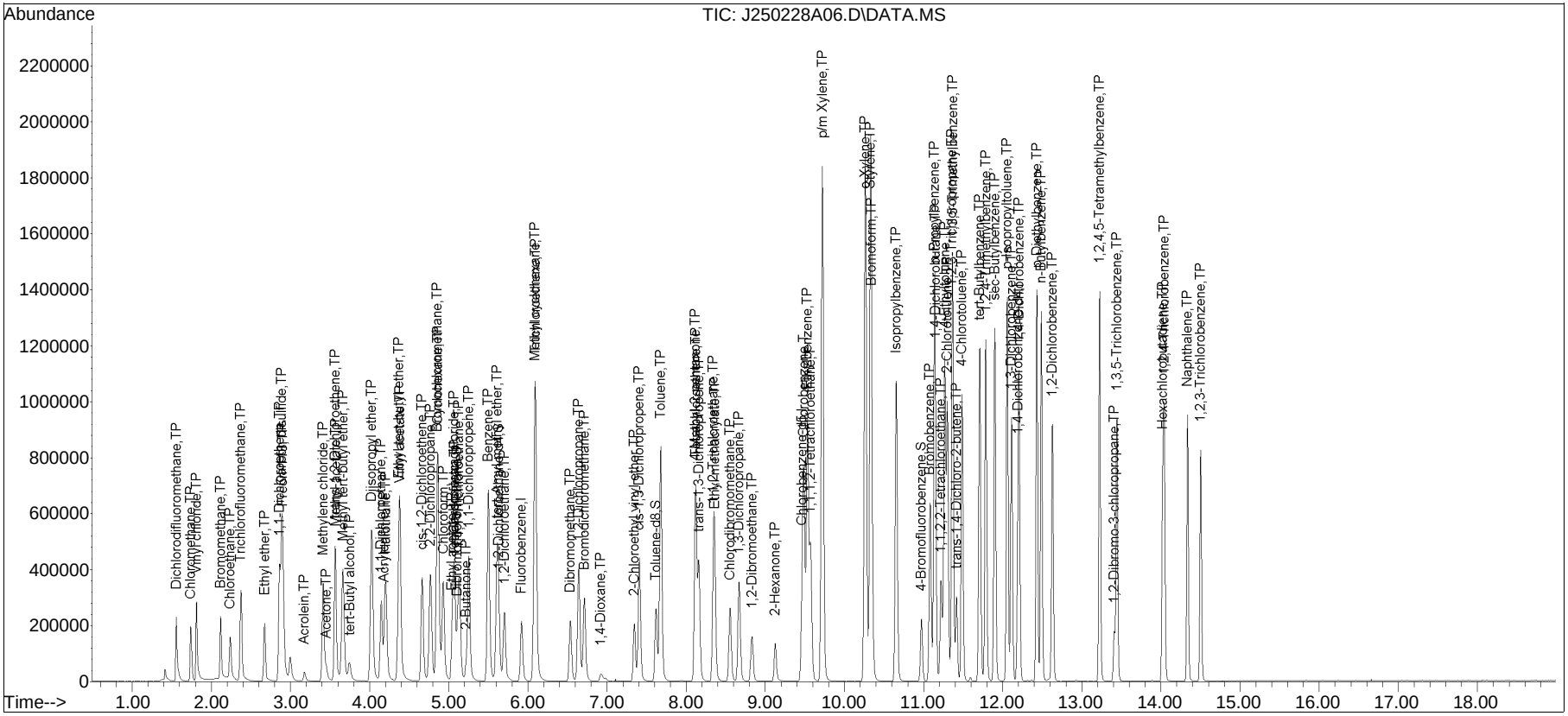
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A06.D
Acq On : 28 Feb 2025 7:22 am
Operator : JACK:MCM
Sample : I8260STDL30ppb
Misc : WG2035930
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 09:41:39 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A06.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 7:22 am	Instrument	: Jack
Sample	: I8260STDL30ppb	Quant Date	: 2/28/2025 9:41 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A07.D
Acq On : 28 Feb 2025 7:48 am
Operator : JACK:MCM
Sample : I8260STDL80ppb
Misc : WG2035930
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 09:41:46 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	223884	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 109.17%		
63) Chlorobenzene-d5	9.466	117	161222	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 105.94%		
84) 1,4-Dichlorobenzene-d4	12.193	152	95161	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 107.33%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	57608	9.736 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.36%		
47) 1,2-Dichloroethane-d4	5.635	65	70839	9.757 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.57%		
64) Toluene-d8	7.619	98	211871	9.970 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.70%		
88) 4-Bromofluorobenzene	10.973	95	81305	9.988 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.88%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	473903	75.704 ug/L	98
3) Chloromethane	1.738	50	476809	72.436 ug/L	98
4) Vinyl chloride	1.808	62	594285	75.343 ug/L	97
5) Bromomethane	2.116	94	309144	77.524 ug/L	99
6) Chloroethane	2.232	64	304201	71.829 ug/L	99
7) Trichlorofluoromethane	2.372	101	707238	76.934 ug/L	100
8) Ethyl ether	2.669	74	196083	75.622 ug/L	98
10) 1,1-Dichloroethene	2.861	96	386622	75.648 ug/L	85
11) Carbon disulfide	2.890	76	1180780	75.361 ug/L	100
12) Freon-113	2.901	101	422914	76.679 ug/L #	80
14) Acrolein	3.175	56	70945	76.841 ug/L	98
15) Methylene chloride	3.413	84	401838	72.569 ug/L	94
17) Acetone	3.448	43	125864	72.977 ug/L	96
18) trans-1,2-Dichloroethene	3.564	96	413592	74.916 ug/L	90
19) Methyl acetate	3.570	43	289479	77.249 ug/L #	94
21) Methyl tert-butyl ether	3.663	73	1168555	76.554 ug/L	97
22) tert-Butyl alcohol	3.745	59	218189	376.377 ug/L	93
24) Diisopropyl ether	4.024	45	1508483	77.012 ug/L	99
25) 1,1-Dichloroethane	4.146	63	812317	73.790 ug/L	98
26) Halothane	4.204	117	338235	75.025 ug/L	99
27) Acrylonitrile	4.187	53	140997	76.868 ug/L	94

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A07.D
Acq On : 28 Feb 2025 7:48 am
Operator : JACK:MCM
Sample : I8260STDL80ppb
Misc : WG2035930
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 09:41:46 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.373	59	1363260	77.548	ug/L		95
29) Vinyl acetate	4.384	43	1218509	79.132	ug/L		99
30) cis-1,2-Dichloroethene	4.663	96	448272	73.590	ug/L		88
31) 2,2-Dichloropropane	4.768	77	702193	74.125	ug/L		95
33) Bromochloromethane	4.855	128	202669	74.298	ug/L	#	69
34) Cyclohexane	4.861	56	873935	76.578	ug/L		99
35) Chloroform	4.931	83	765127	73.946	ug/L		98
36) Ethyl acetate	5.042	43	462192	76.769	ug/L		99
37) Carbon tetrachloride	5.065	117	653172	80.323	ug/L		98
38) Tetrahydrofuran	5.071	42	157839	74.576	ug/L		97
40) 1,1,1-Trichloroethane	5.129	97	698487	76.377	ug/L		95
42) 2-Butanone	5.222	43	205840	76.239	ug/L	#	78
43) 1,1-Dichloropropene	5.251	75	588521	78.535	ug/L		94
45) Benzene	5.501	78	1737890	76.786	ug/L		98
46) tert-Amyl methyl ether	5.611	73	1206312	78.280	ug/L		96
48) 1,2-Dichloroethane	5.705	62	592485	74.510	ug/L		99
51) Methyl cyclohexane	6.088	83	840939	79.857	ug/L		92
52) Trichloroethene	6.094	95	478706	78.775	ug/L		93
54) Dibromomethane	6.536	93	256595	74.775	ug/L	#	87
55) 1,2-Dichloropropane	6.641	63	432207	73.700	ug/L		95
57) 2-Chloroethyl vinyl ether	7.348	63	278936	78.425	ug/L	#	90
58) Bromodichloromethane	6.711	83	538080	69.865	ug/L	#	98
61) 1,4-Dioxane	6.926	88	41397	853.032	ug/L		97
62) cis-1,3-Dichloropropene	7.408	75	714991	78.083	ug/L		97
65) Toluene	7.679	92	1098893	77.247	ug/L		100
66) 4-Methyl-2-pentanone	8.113	58	157994	78.510	ug/L	#	90
67) Tetrachloroethene	8.122	166	516173	77.835	ug/L		93
69) trans-1,3-Dichloropropene	8.160	75	639556	80.167	ug/L		90
71) Ethyl methacrylate	8.358	69	520849	76.159	ug/L	#	86
72) 1,1,2-Trichloroethane	8.345	83	328114	77.643	ug/L		95
73) Chlorodibromomethane	8.555	129	454671	77.189	ug/L		99
74) 1,3-Dichloropropane	8.669	76	600835	76.727	ug/L		99
75) 1,2-Dibromoethane	8.829	107	373522	78.621	ug/L		100
77) 2-Hexanone	9.124	43	306346	74.428	ug/L		98
78) Chlorobenzene	9.489	112	1198222	76.390	ug/L		92
79) Ethylbenzene	9.534	91	2191217	77.590	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.571	131	448659	77.845	ug/L		96
81) p/m Xylene	9.721	106	1714008	155.187	ug/L		95
82) o Xylene	10.267	106	1669103	157.320	ug/L		95
83) Styrene	10.335	104	2836537	156.910	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A07.D
Acq On : 28 Feb 2025 7:48 am
Operator : JACK:MCM
Sample : I8260STDL80ppb
Misc : WG2035930
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 09:41:46 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	341439	81.330	ug/L		96
87) Isopropylbenzene	10.654	105	2269312	79.265	ug/L		99
89) Bromobenzene	11.086	156	527606	76.984	ug/L		99
90) n-Propylbenzene	11.141	91	2727865	78.648	ug/L		96
91) 1,4-Dichlorobutane	11.150	55	681004	75.113	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.223	83	499608	74.973	ug/L	#	99
93) 4-Ethyltoluene	11.269	105	2206676	78.078	ug/L		99
94) 2-Chlorotoluene	11.300	91	1757800	76.828	ug/L		92
95) 1,3,5-Trimethylbenzene	11.369	105	1919808	77.998	ug/L		99
96) 1,2,3-Trichloropropane	11.360	75	407041	76.345	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.419	53	177050	78.277	ug/L		95
98) 4-Chlorotoluene	11.487	91	1597759	77.044	ug/L		92
99) tert-Butylbenzene	11.710	119	1603603	78.355	ug/L		95
102) 1,2,4-Trimethylbenzene	11.787	105	1860189	77.683	ug/L		99
103) sec-Butylbenzene	11.901	105	2495034	79.852	ug/L		95
104) p-Isopropyltoluene	12.056	119	2118214	79.739	ug/L		97
105) 1,3-Dichlorobenzene	12.115	146	1065151	76.151	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	1060642	75.812	ug/L		97
107) p-Diethylbenzene	12.434	119	1238314	79.491	ug/L		96
108) n-Butylbenzene	12.489	91	1912585	80.336	ug/L		97
109) 1,2-Dichlorobenzene	12.630	146	982700	75.812	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.226	119	1871220	78.239	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.413	155	94366	74.480	ug/L		98
112) 1,3,5-Trichlorobenzene	13.444	180	805491	78.961	ug/L		94
113) Hexachlorobutadiene	14.023	225	352558	80.877	ug/L		100
114) 1,2,4-Trichlorobenzene	14.041	180	715791	79.340	ug/L		99
115) Naphthalene	14.337	128	1771091	77.951	ug/L		100
116) 1,2,3-Trichlorobenzene	14.501	180	650730	78.760	ug/L		97

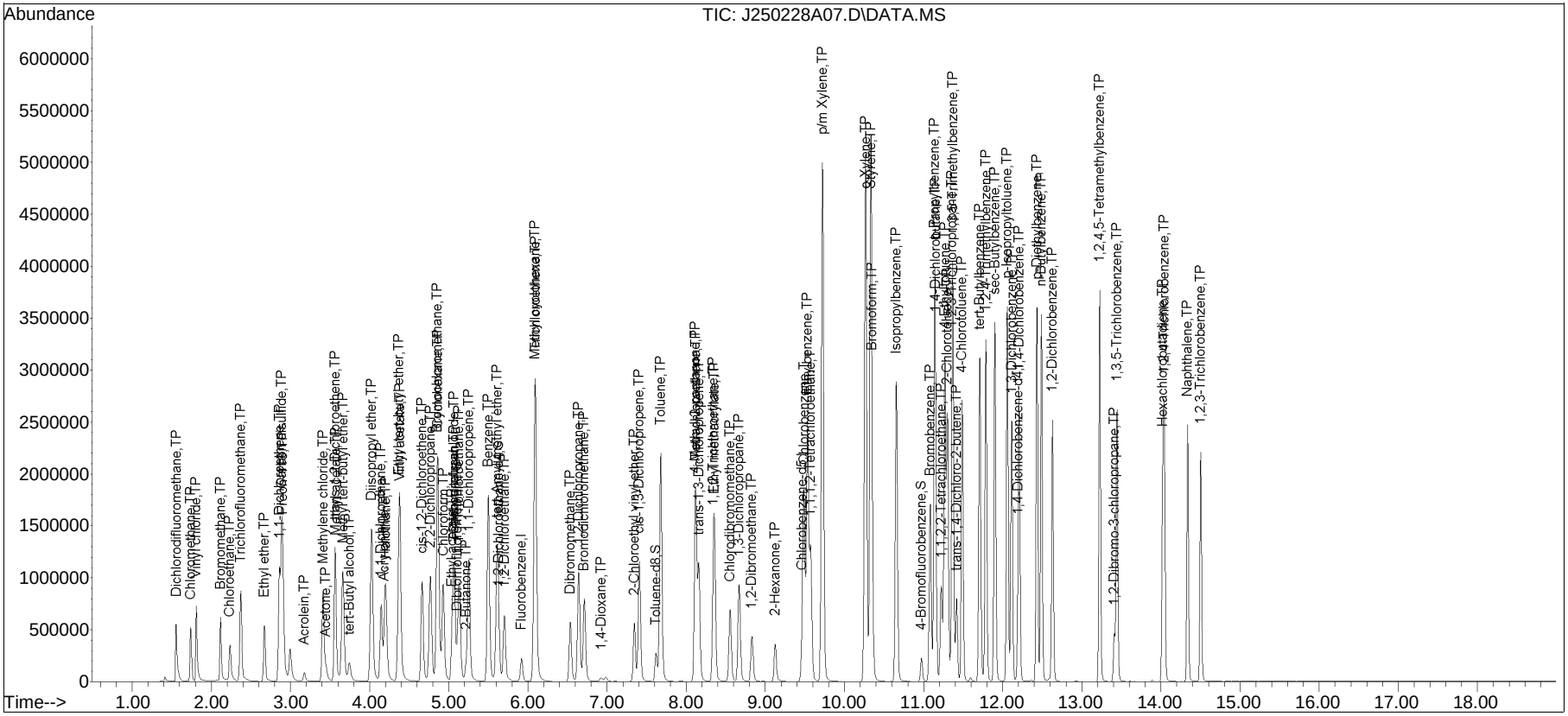
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A07.D
Acq On : 28 Feb 2025 7:48 am
Operator : JACK:MCM
Sample : I8260STDL80ppb
Misc : WG2035930
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 28 09:41:46 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A07.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 7:48 am	Instrument	: Jack
Sample	: I8260STDL80ppb	Quant Date	: 2/28/2025 9:41 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A08.D
Acq On : 28 Feb 2025 8:15 am
Operator : JACK:MCM
Sample : I8260STDL120ppb
Misc : WG2035930
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 09:41:52 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.919	96	229101	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 111.72%		
63) Chlorobenzene-d5	9.466	117	168390	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 110.65%		
84) 1,4-Dichlorobenzene-d4	12.192	152	99330	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 112.03%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.111	113	58300	9.628 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.28%		
47) 1,2-Dichloroethane-d4	5.635	65	73447	9.886 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.86%		
64) Toluene-d8	7.623	98	221060	9.959 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.59%		
88) 4-Bromofluorobenzene	10.972	95	84320	9.923 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.23%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	742832	115.961 ug/L	99
3) Chloromethane	1.744	50	769043	114.170 ug/L	97
4) Vinyl chloride	1.814	62	914373	113.284 ug/L	97
5) Bromomethane	2.122	94	509446	124.845 ug/L	99
6) Chloroethane	2.238	64	461427	106.473 ug/L	99
7) Trichlorofluoromethane	2.378	101	1121393	119.209 ug/L	99
8) Ethyl ether	2.674	74	320083	120.633 ug/L	96
10) 1,1-Dichloroethene	2.866	96	614809	117.557 ug/L	85
11) Carbon disulfide	2.895	76	1893273	118.083 ug/L	100
12) Freon-113	2.907	101	677836	120.100 ug/L #	81
14) Acrolein	3.180	56	115803	122.570 ug/L	99
15) Methylene chloride	3.413	84	652901	115.225 ug/L	93
17) Acetone	3.454	43	205229	116.284 ug/L	96
18) trans-1,2-Dichloroethene	3.570	96	665126	117.735 ug/L	89
19) Methyl acetate	3.576	43	469785	122.510 ug/L #	94
21) Methyl tert-butyl ether	3.669	73	1915304	122.617 ug/L	97
22) tert-Butyl alcohol	3.750	59	352037	593.437 ug/L	93
24) Diisopropyl ether	4.029	45	2452133	122.337 ug/L	98
25) 1,1-Dichloroethane	4.151	63	1295294	114.984 ug/L	98
26) Halothane	4.204	117	540416	117.141 ug/L	98
27) Acrylonitrile	4.192	53	226926	120.897 ug/L	96

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A08.D
Acq On : 28 Feb 2025 8:15 am
Operator : JACK:MCM
Sample : I8260STDL120ppb
Misc : WG2035930
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 09:41:52 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.378	59	2235160	124.251	ug/L		95
29) Vinyl acetate	4.384	43	1988553	126.199	ug/L		99
30) cis-1,2-Dichloroethene	4.669	96	722621	115.927	ug/L		87
31) 2,2-Dichloropropane	4.768	77	1141559	117.762	ug/L		94
33) Bromochloromethane	4.861	128	318855	114.230	ug/L	#	69
34) Cyclohexane	4.867	56	1386622	118.735	ug/L		99
35) Chloroform	4.931	83	1227846	115.963	ug/L		98
36) Ethyl acetate	5.047	43	743080	120.613	ug/L		99
37) Carbon tetrachloride	5.070	117	1045562	125.649	ug/L		98
38) Tetrahydrofuran	5.076	42	251128	115.951	ug/L		96
40) 1,1,1-Trichloroethane	5.134	97	1123215	120.023	ug/L		95
42) 2-Butanone	5.222	43	330305	119.552	ug/L	#	75
43) 1,1-Dichloropropene	5.256	75	931574	121.483	ug/L		94
45) Benzene	5.501	78	2812053	121.417	ug/L		98
46) tert-Amyl methyl ether	5.617	73	1959239	124.243	ug/L		95
48) 1,2-Dichloroethane	5.704	62	946431	116.311	ug/L		99
51) Methyl cyclohexane	6.094	83	1354236	125.671	ug/L		92
52) Trichloroethene	6.100	95	780931	125.582	ug/L		93
54) Dibromomethane	6.536	93	416473	118.602	ug/L	#	87
55) 1,2-Dichloropropane	6.646	63	703876	117.292	ug/L		98
57) 2-Chloroethyl vinyl ether	7.347	63	451581	124.075	ug/L		90
58) Bromodichloromethane	6.716	83	867837	110.115	ug/L	#	97
61) 1,4-Dioxane	6.926	88	61187	1232.117	ug/L		91
62) cis-1,3-Dichloropropene	7.412	75	1153772	123.132	ug/L		97
65) Toluene	7.679	92	1793005	120.674	ug/L		100
66) 4-Methyl-2-pentanone	8.117	58	254935	121.289	ug/L	#	91
67) Tetrachloroethene	8.121	166	838105	121.000	ug/L		93
69) trans-1,3-Dichloropropene	8.160	75	1036686	124.414	ug/L		90
71) Ethyl methacrylate	8.362	69	848601	118.801	ug/L	#	86
72) 1,1,2-Trichloroethane	8.349	83	535963	121.428	ug/L		96
73) Chlorodibromomethane	8.555	129	736057	119.641	ug/L		99
74) 1,3-Dichloropropane	8.669	76	969769	118.569	ug/L		99
75) 1,2-Dibromoethane	8.833	107	604676	121.858	ug/L		99
77) 2-Hexanone	9.124	43	494209	114.959	ug/L		98
78) Chlorobenzene	9.488	112	1955576	119.367	ug/L		91
79) Ethylbenzene	9.534	91	3578686	121.326	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.575	131	729471	121.179	ug/L		97
81) p/m Xylene	9.725	106	2812455	243.802	ug/L		96
82) o Xylene	10.267	106	2709196	244.483	ug/L		98
83) Styrene	10.335	104	4695842	248.705	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A08.D
Acq On : 28 Feb 2025 8:15 am
Operator : JACK:MCM
Sample : I8260STDL120ppb
Misc : WG2035930
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 09:41:52 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	556116	126.906	ug/L		96
87) Isopropylbenzene	10.658	105	3664409	122.623	ug/L		99
89) Bromobenzene	11.086	156	853425	119.299	ug/L		99
90) n-Propylbenzene	11.141	91	4445733	122.797	ug/L		97
91) 1,4-Dichlorobutane	11.150	55	1105697	116.838	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.223	83	805009	115.732	ug/L	#	99
93) 4-Ethyltoluene	11.273	105	3572145	121.088	ug/L		99
94) 2-Chlorotoluene	11.305	91	2860642	119.783	ug/L		92
95) 1,3,5-Trimethylbenzene	11.368	105	3127453	121.730	ug/L		99
96) 1,2,3-Trichloropropane	11.364	75	653500	117.426	ug/L		88
97) trans-1,4-Dichloro-2-b...	11.419	53	281837	119.376	ug/L		95
98) 4-Chlorotoluene	11.491	91	2596619	119.953	ug/L		93
99) tert-Butylbenzene	11.710	119	2580164	120.780	ug/L		96
102) 1,2,4-Trimethylbenzene	11.787	105	3030820	121.258	ug/L		99
103) sec-Butylbenzene	11.901	105	4041915	123.929	ug/L		95
104) p-Isopropyltoluene	12.060	119	3457667	124.699	ug/L		97
105) 1,3-Dichlorobenzene	12.115	146	1743425	119.411	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	1745796	119.548	ug/L		96
107) p-Diethylbenzene	12.434	119	2043081	125.647	ug/L		96
108) n-Butylbenzene	12.488	91	3132556	126.056	ug/L		97
109) 1,2-Dichlorobenzene	12.629	146	1614606	119.334	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.226	119	3166725	126.849	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.412	155	157436	119.043	ug/L		97
112) 1,3,5-Trichlorobenzene	13.444	180	1339644	125.811	ug/L		94
113) Hexachlorobutadiene	14.022	225	578208	127.074	ug/L		100
114) 1,2,4-Trichlorobenzene	14.041	180	1177321	125.020	ug/L		99
115) Naphthalene	14.336	128	2884006	121.605	ug/L		100
116) 1,2,3-Trichlorobenzene	14.505	180	1064369	123.416	ug/L		97

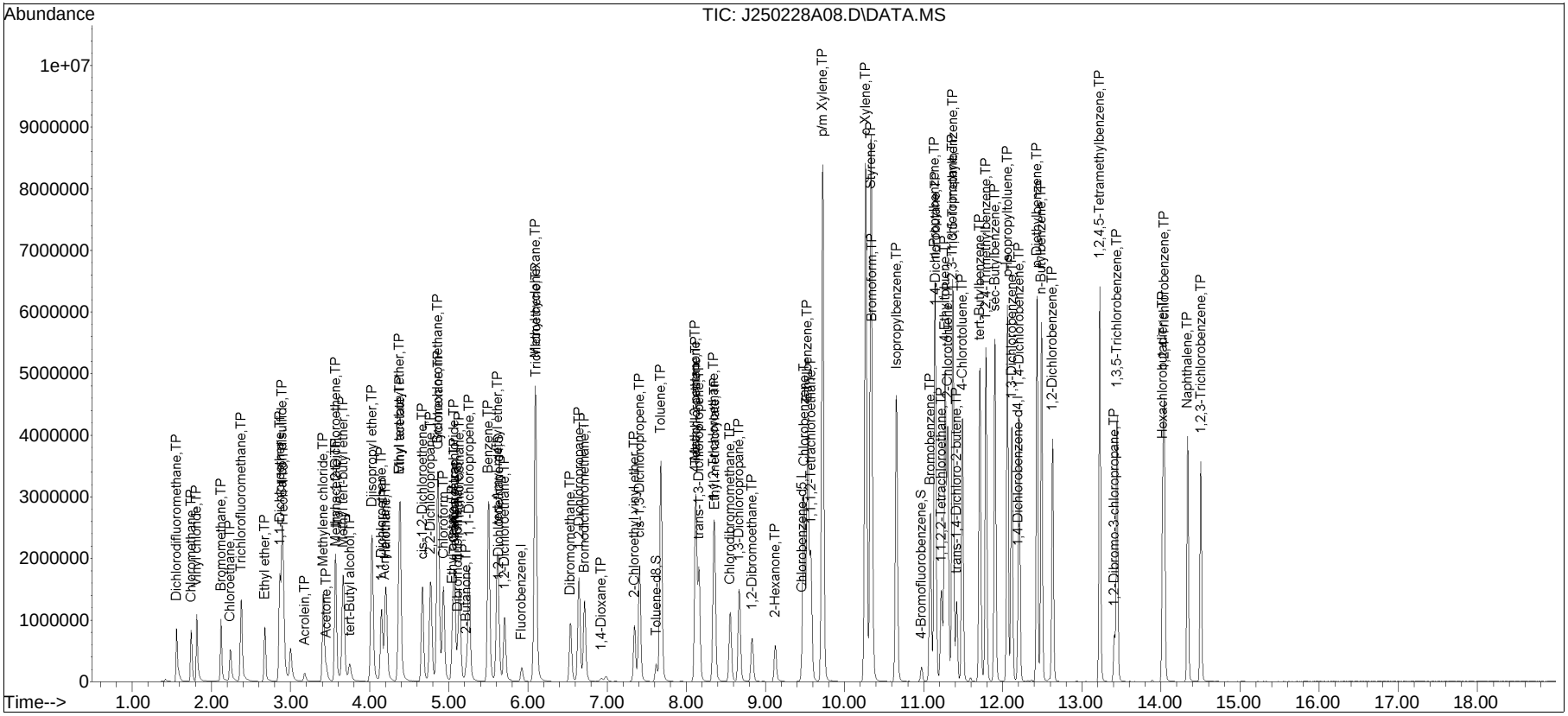
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A08.D
Acq On : 28 Feb 2025 8:15 am
Operator : JACK:MCM
Sample : I8260STDL120ppb
Misc : WG2035930
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 28 09:41:52 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A08.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 8:15 am	Instrument	: Jack
Sample	: I8260STDL120ppb	Quant Date	: 2/28/2025 9:41 am

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A09.D
Acq On : 28 Feb 2025 8:42 am
Operator : JACK:MCM
Sample : I8260STDL200ppb
Misc : WG2035930
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 09:41:59 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	232346	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 113.30%		
63) Chlorobenzene-d5	9.470	117	171058	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 112.40%		
84) 1,4-Dichlorobenzene-d4	12.197	152	101477	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 114.45%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.111	113	60675	9.881 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.81%		
47) 1,2-Dichloroethane-d4	5.635	65	77458	10.280 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%		
64) Toluene-d8	7.623	98	217680	9.654 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.54%		
88) 4-Bromofluorobenzene	10.977	95	84583	9.744 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.44%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	1266463	194.943 ug/L	98
3) Chloromethane	1.744	50	1321847	193.498 ug/L	98
4) Vinyl chloride	1.814	62	1527094	186.553 ug/L	97
5) Bromomethane	2.122	94	883613	213.514 ug/L	99
6) Chloroethane	2.238	64	741054	168.609 ug/L	100
7) Trichlorofluoromethane	2.378	101	1929976	202.299 ug/L	100
8) Ethyl ether	2.674	74	544605	202.384 ug/L	96
10) 1,1-Dichloroethene	2.861	96	1069285	201.602 ug/L	84
11) Carbon disulfide	2.890	76	3278403	201.617 ug/L	100
12) Freon-113	2.901	101	1182554	206.600 ug/L #	82
14) Acrolein	3.180	56	202168	210.994 ug/L	97
15) Methylene chloride	3.413	84	1119354	194.786 ug/L	93
17) Acetone	3.454	43	344623	192.538 ug/L	95
18) trans-1,2-Dichloroethene	3.564	96	1144370	199.737 ug/L	89
19) Methyl acetate	3.570	43	826227	212.453 ug/L #	95
21) Methyl tert-butyl ether	3.663	73	3313025	209.137 ug/L	97
22) tert-Butyl alcohol	3.750	59	610140	1014.162 ug/L #	91
24) Diisopropyl ether	4.029	45	4225129	207.847 ug/L	98
25) 1,1-Dichloroethane	4.146	63	2218629	194.198 ug/L	98
26) Halothane	4.204	117	943783	201.718 ug/L	99
27) Acrylonitrile	4.192	53	389366	204.542 ug/L	95

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A09.D
Acq On : 28 Feb 2025 8:42 am
Operator : JACK:MCM
Sample : I8260STDL200ppb
Misc : WG2035930
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 09:41:59 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.378	59	3861304	211.649	ug/L		95
29) Vinyl acetate	4.384	43	3438702	215.181	ug/L		99
30) cis-1,2-Dichloroethene	4.663	96	1235098	195.375	ug/L		88
31) 2,2-Dichloropropane	4.768	77	1933804	196.702	ug/L		94
33) Bromochloromethane	4.861	128	541706	191.356	ug/L	#	69
34) Cyclohexane	4.867	56	2406755	203.210	ug/L		100
35) Chloroform	4.931	83	2108589	196.363	ug/L		98
36) Ethyl acetate	5.041	43	1274992	204.061	ug/L		99
37) Carbon tetrachloride	5.065	117	1816266	215.220	ug/L		98
38) Tetrahydrofuran	5.076	42	434042	197.608	ug/L		97
40) 1,1,1-Trichloroethane	5.135	97	1919965	202.296	ug/L		95
42) 2-Butanone	5.222	43	570315	203.540	ug/L	#	76
43) 1,1-Dichloropropene	5.257	75	1598877	205.591	ug/L		94
45) Benzene	5.501	78	4830321	205.647	ug/L		98
46) tert-Amyl methyl ether	5.617	73	3364747	210.392	ug/L		95
48) 1,2-Dichloroethane	5.704	62	1613843	195.563	ug/L		99
51) Methyl cyclohexane	6.094	83	2379108	217.695	ug/L		92
52) Trichloroethene	6.100	95	1358853	215.466	ug/L		93
54) Dibromomethane	6.536	93	713258	200.283	ug/L	#	86
55) 1,2-Dichloropropane	6.647	63	1163500	191.175	ug/L		93
57) 2-Chloroethyl vinyl ether	7.348	63	772324	209.238	ug/L		90
58) Bromodichloromethane	6.716	83	1525867	190.904	ug/L	#	97
61) 1,4-Dioxane	6.931	88	102506	2035.325	ug/L		93
62) cis-1,3-Dichloropropene	7.412	75	1977335	208.076	ug/L		97
65) Toluene	7.679	92	3104360	205.674	ug/L		100
66) 4-Methyl-2-pentanone	8.117	58	439537	205.854	ug/L	#	88
67) Tetrachloroethene	8.126	166	1451224	206.251	ug/L		92
69) trans-1,3-Dichloropropene	8.165	75	1766499	208.694	ug/L		90
71) Ethyl methacrylate	8.362	69	1437351	198.086	ug/L	#	86
72) 1,1,2-Trichloroethane	8.349	83	911974	203.395	ug/L		95
73) Chlorodibromomethane	8.560	129	1255509	200.891	ug/L		99
74) 1,3-Dichloropropane	8.674	76	1641510	197.569	ug/L		99
75) 1,2-Dibromoethane	8.833	107	1022413	202.829	ug/L		100
77) 2-Hexanone	9.129	43	808766	185.195	ug/L		98
78) Chlorobenzene	9.489	112	3350646	201.331	ug/L		91
79) Ethylbenzene	9.539	91	6165367	205.760	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.575	131	1252763	204.862	ug/L		97
81) p/m Xylene	9.725	106	4839337	412.962	ug/L		97
82) o Xylene	10.272	106	4687023	416.369	ug/L		97
83) Styrene	10.340	104	8006594	417.437	ug/L		93

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A09.D
Acq On : 28 Feb 2025 8:42 am
Operator : JACK:MCM
Sample : I8260STDL200ppb
Misc : WG2035930
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 09:41:59 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.353	173	955904	213.522	ug/L		97
87) Isopropylbenzene	10.658	105	6275484	205.555	ug/L		99
89) Bromobenzene	11.086	156	1468281	200.906	ug/L		99
90) n-Propylbenzene	11.141	91	7624231	206.136	ug/L		97
91) 1,4-Dichlorobutane	11.150	55	1875903	194.030	ug/L		97
92) 1,1,2,2-Tetrachloroethane	11.223	83	1365975	192.224	ug/L	#	98
93) 4-Ethyltoluene	11.273	105	6206523	205.936	ug/L		99
94) 2-Chlorotoluene	11.305	91	4957994	203.212	ug/L		93
95) 1,3,5-Trimethylbenzene	11.373	105	5472180	208.487	ug/L		100
96) 1,2,3-Trichloropropane	11.364	75	1146619	201.675	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.419	53	481079	199.456	ug/L		95
98) 4-Chlorotoluene	11.492	91	4491855	203.115	ug/L		93
99) tert-Butylbenzene	11.715	119	4503079	206.334	ug/L		96
102) 1,2,4-Trimethylbenzene	11.792	105	5319937	208.338	ug/L		99
103) sec-Butylbenzene	11.906	105	7017963	210.625	ug/L		95
104) p-Isopropyltoluene	12.061	119	6037725	213.141	ug/L		97
105) 1,3-Dichlorobenzene	12.115	146	3043223	204.027	ug/L		96
106) 1,4-Dichlorobenzene	12.211	146	3041131	203.844	ug/L		97
107) p-Diethylbenzene	12.438	119	3585952	215.866	ug/L		96
108) n-Butylbenzene	12.493	91	5453512	214.810	ug/L		97
109) 1,2-Dichlorobenzene	12.634	146	2819834	204.002	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.230	119	5439192	213.268	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.413	155	269871	199.742	ug/L		97
112) 1,3,5-Trichlorobenzene	13.444	180	2280644	209.652	ug/L		94
113) Hexachlorobutadiene	14.023	225	999296	214.970	ug/L		100
114) 1,2,4-Trichlorobenzene	14.045	180	2042603	212.316	ug/L		99
115) Naphthalene	14.337	128	4903236	202.373	ug/L		100
116) 1,2,3-Trichlorobenzene	14.505	180	1824884	207.123	ug/L		98

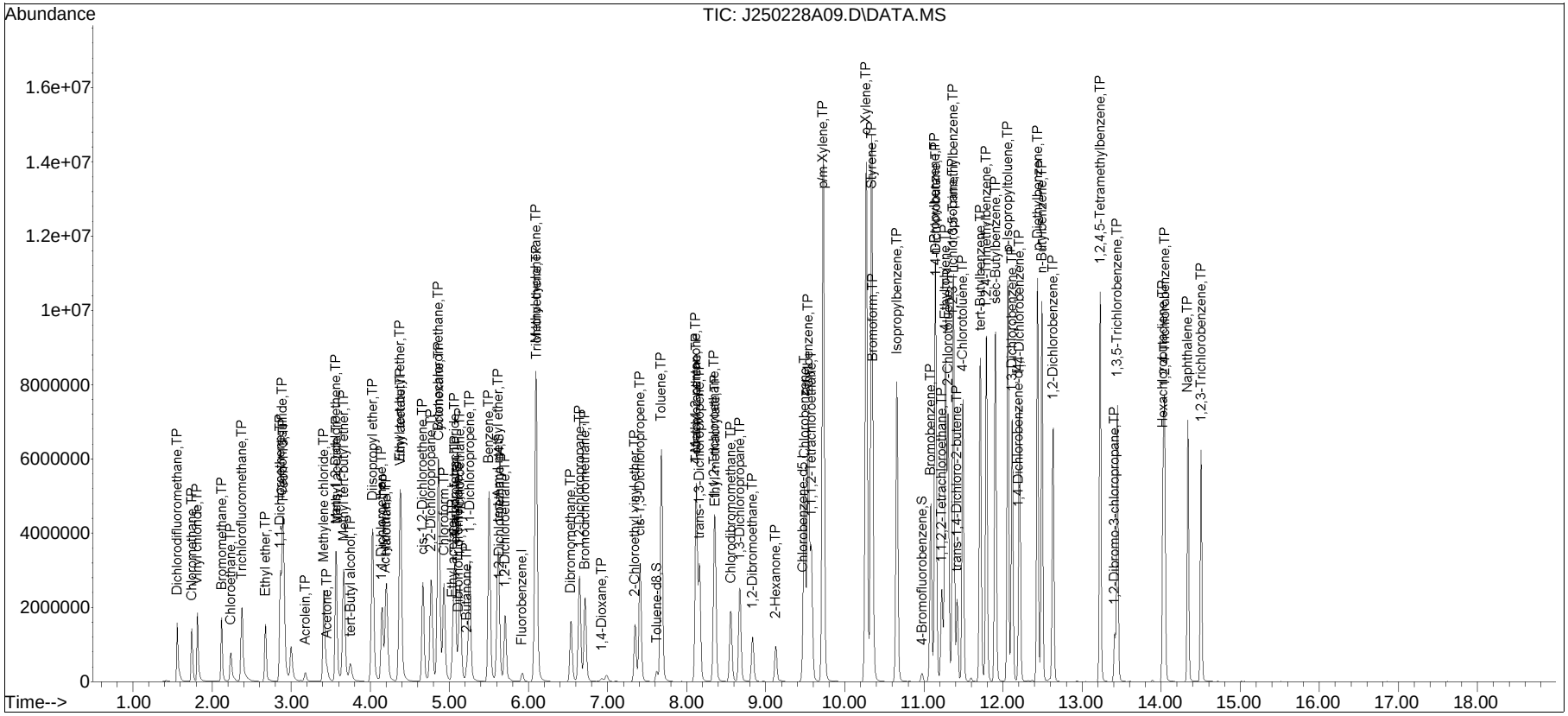
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A09.D
Acq On : 28 Feb 2025 8:42 am
Operator : JACK:MCM
Sample : I8260STDL200ppb
Misc : WG2035930
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 09:41:59 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A09.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 8:42 am	Instrument	: Jack
Sample	: I8260STDL200ppb	Quant Date	: 2/28/2025 9:41 am

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

Evaluate Continuing Calibration Report

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TP	Dichlorodifluoromethane	0.280	0.381	-36.1#	133	0.00
3	TP	Chloromethane	0.294	0.368	-25.2#	124	0.00
4	TP	Vinyl chloride	0.352	0.414	-17.6	114	0.00
5	TP	Bromomethane	0.178	0.193	-8.4	112	0.00
6	TP	Chloroethane	0.189	0.224	-18.5	115	0.00
7	TP	Trichlorofluoromethane	0.411	0.471	-14.6	110	0.00
8	TP	Ethyl ether	0.116	0.127	-9.5	108	0.00
10	TP	1,1-Dichloroethene	0.228	0.245	-7.5	107	0.00
11	TP	Carbon disulfide	0.700	0.548	21.7#	78	0.00
12	TP	Freon-113	0.246	0.246	0.0	99	0.00
14	TP	Acrolein	0.041	0.039	4.9	99	0.00
15	TP	Methylene chloride	0.247	0.254	-2.8	103	0.00
17	TP	Acetone	0.077	0.079	-2.6	107	0.00
18	TP	trans-1,2-Dichloroethene	0.247	0.260	-5.3	103	0.00
19	TP	Methyl acetate	0.167	0.162	3.0	100	0.00
21	TP	Methyl tert-butyl ether	0.682	0.636	6.7	93	0.00
22	TP	tert-Butyl alcohol	0.026	0.028	-7.7	95	0.00
24	TP	Diisopropyl ether	0.875	0.808	7.7	93	0.00
25	TP	1,1-Dichloroethane	0.492	0.518	-5.3	105	0.00
26	TP	Halothane	0.201	0.201	0.0	98	0.00
27	TP	Acrylonitrile	0.082	0.082	0.0	99	0.00
28	TP	Ethyl tert-butyl ether	0.785	0.740	5.7	95	0.00
29	TP	Vinyl acetate	0.688	0.578	16.0	86	0.00
30	TP	cis-1,2-Dichloroethene	0.272	0.277	-1.8	102	0.00
31	TP	2,2-Dichloropropane	0.423	0.426	-0.7	102	0.00
33	TP	Bromochloromethane	0.122	0.124	-1.6	97	0.00
34	TP	Cyclohexane	0.510	0.454	11.0	89	0.00
35	TP	Chloroform	0.462	0.474	-2.6	105	0.00
36	TP	Ethyl acetate	0.269	0.245	8.9	91	0.00
37	TP	Carbon tetrachloride	0.363	0.384	-5.8	103	0.00
38	TP	Tetrahydrofuran	0.095	0.098	-3.2	100	0.00
39	S	Dibromofluoromethane	0.264	0.264	0.0	99	0.00
40	TP	1,1,1-Trichloroethane	0.408	0.444	-8.8	108	0.00
42	TP	2-Butanone	0.121	0.132	-9.1	111	0.00
43	TP	1,1-Dichloropropene	0.335	0.374	-11.6	110	0.00
45	TP	Benzene	1.011	1.051	-4.0	105	0.00
46	TP	tert-Amyl methyl ether	0.688	0.651	5.4	94	0.00
47	S	1,2-Dichloroethane-d4	0.324	0.322	0.6	101	0.00

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TP	1,2-Dichloroethane	0.355	0.363	-2.3	102	0.00
51	TP	Methyl cyclohexane	0.470	0.426	9.4	94	0.00
52	TP	Trichloroethene	0.271	0.278	-2.6	102	0.00
54	TP	Dibromomethane	0.153	0.152	0.7	96	0.00
55	TP	1,2-Dichloropropane	0.262	0.285	-8.8	102	0.00
57	TP	2-Chloroethyl vinyl ether	0.159	0.156	1.9	92	0.00
58	TP	Bromodichloromethane	0.344	0.346	-0.6	96	0.00
61	TP	1,4-Dioxane	0.00217	0.00207#	4.6	97	0.00
62	TP	cis-1,3-Dichloropropene	0.409	0.419	-2.4	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64	S	Toluene-d8	1.318	1.305	1.0	99	0.00
65	TP	Toluene	0.882	0.931	-5.6	105	0.00
66	TP	4-Methyl-2-pentanone	0.125	0.119	4.8	91	0.00
67	TP	Tetrachloroethene	0.411	0.417	-1.5	101	0.00
69	TP	trans-1,3-Dichloropropene	0.495	0.509	-2.8	98	0.00
71	TP	Ethyl methacrylate	0.424	0.466	-9.9	104	0.00
72	TP	1,1,2-Trichloroethane	0.262	0.262	0.0	92	0.00
73	TP	Chlorodibromomethane	0.365	0.356	2.5	93	0.00
74	TP	1,3-Dichloropropane	0.486	0.478	1.6	94	0.00
75	TP	1,2-Dibromoethane	0.295	0.298	-1.0	95	0.00
77	TP	2-Hexanone	0.255	0.253	0.8	92	0.00
78	T	Chlorobenzene	0.973	0.993	-2.1	97	0.00
79	TP	Ethylbenzene	1.752	1.708	2.5	96	0.00
80	T	1,1,1,2-Tetrachloroethane	0.357	0.339	5.0	91	0.00
81	TP	p/m Xylene	0.685	0.677	1.2	98	0.00
82	TP	o Xylene	0.658	0.649	1.4	97	0.00
83	TP	Styrene	1.121	1.086	3.1	94	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
85	TP	Bromoform	0.441	0.445	-0.9	92	0.00
87	TP	Isopropylbenzene	3.009	2.647	12.0	85	0.00
88	S	4-Bromofluorobenzene	0.855	0.862	-0.8	101	0.00
89	TP	Bromobenzene	0.720	0.703	2.4	90	0.00
90	TP	n-Propylbenzene	3.645	3.645	0.0	96	0.00
91	TP	1,4-Dichlorobutane	0.953	1.074	-12.7	108	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.700	0.680	2.9	87	0.00
93	TP	4-Ethyltoluene	2.970	3.131	-5.4	102	0.00
94	TP	2-Chlorotoluene	2.404	2.346	2.4	94	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
95 TP	1,3,5-Trimethylbenzene	2.587	2.520	2.6	95	0.00
96 TP	1,2,3-Trichloropropane	0.560	0.527	5.9	87	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.238	0.262	-10.1	100	0.00
98 TP	4-Chlorotoluene	2.179	2.148	1.4	94	0.00
99 TP	tert-Butylbenzene	2.151	2.102	2.3	95	0.00
102 TP	1,2,4-Trimethylbenzene	2.516	2.519	-0.1	96	0.00
103 TP	sec-Butylbenzene	3.283	3.208	2.3	95	0.00
104 TP	p-Isopropyltoluene	2.792	2.738	1.9	95	0.00
105 TP	1,3-Dichlorobenzene	1.470	1.481	-0.7	95	0.00
106 TP	1,4-Dichlorobenzene	1.470	1.493	-1.6	96	0.00
107 TP	p-Diethylbenzene	1.637	1.610	1.6	95	0.00
108 TP	n-Butylbenzene	2.502	2.532	-1.2	99	0.00
109 TP	1,2-Dichlorobenzene	1.362	1.380	-1.3	95	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.513	2.462	2.0	96	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.133	0.134	-0.8	94	0.00
112 TP	1,3,5-Trichlorobenzene	1.072	0.995	7.2	90	0.00
113 TP	Hexachlorobutadiene	0.458	0.451	1.5	100	0.00
114 TP	1,2,4-Trichlorobenzene	0.948	0.956	-0.8	98	0.00
115 TP	Naphthalene	2.388	2.459	-3.0	98	0.00
116 TP	1,2,3-Trichlorobenzene	0.868	0.891	-2.6	98	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.919	96	204922	10.000 ug/L	0.00
Standard Area 1 = 205075			Recovery = 99.93%		
63) Chlorobenzene-d5	9.466	117	151878	10.000 ug/L	0.00
Standard Area 1 = 152189			Recovery = 99.80%		
84) 1,4-Dichlorobenzene-d4	12.192	152	87388	10.000 ug/L	0.00
Standard Area 1 = 88663			Recovery = 98.56%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	54023	9.975 ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 99.75%	
47) 1,2-Dichloroethane-d4	5.634	65	66044	9.938 ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 99.38%	
64) Toluene-d8	7.623	98	198165	9.898 ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 98.98%	
88) 4-Bromofluorobenzene	10.972	95	75328	10.077 ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 100.77%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	77988	13.611 ug/L	98
3) Chloromethane	1.744	50	75353	12.507 ug/L	97
4) Vinyl chloride	1.813	62	84930	11.764 ug/L	99
5) Bromomethane	2.122	94	39512	10.825 ug/L	99
6) Chloroethane	2.238	64	45884	11.837 ug/L	98
7) Trichlorofluoromethane	2.378	101	96510	11.470 ug/L	100
8) Ethyl ether	2.674	74	26089	10.993 ug/L	94
10) 1,1-Dichloroethene	2.860	96	50255	10.743 ug/L	82
11) Carbon disulfide	2.889	76	112347	7.834 ug/L	98
12) Freon-113	2.901	101	50445	9.993 ug/L #	81
14) Acrolein	3.174	56	7892	9.339 ug/L	95
15) Methylene chloride	3.413	84	52059	10.271 ug/L	94
17) Acetone	3.459	43	16110	10.205 ug/L	99
18) trans-1,2-Dichloroethene	3.564	96	53262	10.540 ug/L	88
19) Methyl acetate	3.576	43	33278	9.702 ug/L #	94
21) Methyl tert-butyl ether	3.663	73	130261	9.323 ug/L	97
22) tert-Butyl alcohol	3.744	59	28697	54.083 ug/L	92
24) Diisopropyl ether	4.029	45	165652	9.239 ug/L	97
25) 1,1-Dichloroethane	4.151	63	106245	10.544 ug/L	98
26) Halothane	4.204	117	41230	9.992 ug/L	98
27) Acrylonitrile	4.192	53	16832	10.026 ug/L	97

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Ethyl tert-butyl ether	4.378	59	151670	9.426	ug/L		95
29) Vinyl acetate	4.390	43	118524	8.409	ug/L		99
30) cis-1,2-Dichloroethene	4.669	96	56827	10.192	ug/L		86
31) 2,2-Dichloropropane	4.768	77	87322	10.071	ug/L		95
33) Bromochloromethane	4.861	128	25360	10.157	ug/L	#	72
34) Cyclohexane	4.861	56	93058	8.909	ug/L		93
35) Chloroform	4.931	83	97082	10.251	ug/L		98
36) Ethyl acetate	5.047	43	50293	9.127	ug/L		98
37) Carbon tetrachloride	5.064	117	78775	10.584	ug/L		98
38) Tetrahydrofuran	5.082	42	20126	10.389	ug/L		97
40) 1,1,1-Trichloroethane	5.134	97	90890	10.858	ug/L		94
42) 2-Butanone	5.227	43	26984M2	10.919	ug/L		
43) 1,1-Dichloropropene	5.256	75	76571	11.163	ug/L		93
45) Benzene	5.501	78	215464	10.401	ug/L		97
46) tert-Amyl methyl ether	5.611	73	133348	9.454	ug/L		95
48) 1,2-Dichloroethane	5.704	62	74288	10.207	ug/L		98
51) Methyl cyclohexane	6.088	83	87376	9.065	ug/L		93
52) Trichloroethene	6.094	95	57034	10.254	ug/L		89
54) Dibromomethane	6.536	93	31136	9.913	ug/L	#	86
55) 1,2-Dichloropropane	6.641	63	58450	10.889	ug/L		97
57) 2-Chloroethyl vinyl ether	7.347	63	32059	9.848	ug/L	#	90
58) Bromodichloromethane	6.716	83	70883	10.055	ug/L	#	98
61) 1,4-Dioxane	6.926	88	21168M1	476.553	ug/L		
62) cis-1,3-Dichloropropene	7.408	75	85925	10.252	ug/L		97
65) Toluene	7.678	92	141367	10.549	ug/L		98
66) 4-Methyl-2-pentanone	8.117	58	18122	9.559	ug/L	#	96
67) Tetrachloroethene	8.121	166	63400	10.148	ug/L		91
69) trans-1,3-Dichloropropene	8.160	75	77289	10.284	ug/L		89
71) Ethyl methacrylate	8.362	69	70733	10.979	ug/L		91
72) 1,1,2-Trichloroethane	8.345	83	39755	9.986	ug/L		94
73) Chlorodibromomethane	8.555	129	53999	9.731	ug/L		99
74) 1,3-Dichloropropane	8.669	76	72539	9.833	ug/L		99
75) 1,2-Dibromoethane	8.828	107	45296	10.121	ug/L		100
77) 2-Hexanone	9.129	43	38472	9.922	ug/L		98
78) Chlorobenzene	9.484	112	150761	10.203	ug/L		91
79) Ethylbenzene	9.534	91	259463	9.753	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.575	131	51527	9.490	ug/L		97
81) p/m Xylene	9.720	106	205541	19.755	ug/L		92
82) o Xylene	10.262	106	197283	19.739	ug/L		93
83) Styrene	10.335	104	329968	19.376	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250228ical\J250228A05.D
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
85) Bromoform	10.349	173	38901	10.090	ug/L		97
87) Isopropylbenzene	10.654	105	231306	8.798	ug/L		98
89) Bromobenzene	11.082	156	61408	9.757	ug/L		100
90) n-Propylbenzene	11.136	91	318570	10.002	ug/L		96
91) 1,4-Dichlorobutane	11.150	55	93858	11.273	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.223	83	59457	9.716	ug/L	#	98
93) 4-Ethyltoluene	11.268	105	273593	10.542	ug/L		98
94) 2-Chlorotoluene	11.300	91	205048	9.759	ug/L		91
95) 1,3,5-Trimethylbenzene	11.368	105	220223	9.743	ug/L		99
96) 1,2,3-Trichloropropane	11.364	75	46073	9.410	ug/L		89
97) trans-1,4-Dichloro-2-b...	11.414	53	22928	11.039	ug/L		97
98) 4-Chlorotoluene	11.487	91	187685	9.855	ug/L		91
99) tert-Butylbenzene	11.705	119	183671	9.773	ug/L		94
102) 1,2,4-Trimethylbenzene	11.787	105	220156	10.012	ug/L		97
103) sec-Butylbenzene	11.901	105	280333	9.770	ug/L		94
104) p-Isopropyltoluene	12.056	119	239269	9.808	ug/L		96
105) 1,3-Dichlorobenzene	12.110	146	129464	10.079	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	130449	10.154	ug/L		96
107) p-Diethylbenzene	12.429	119	140701	9.835	ug/L		93
108) n-Butylbenzene	12.488	91	221290	10.122	ug/L	#	96
109) 1,2-Dichlorobenzene	12.629	146	120632	10.134	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.226	119	215172	9.797	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.408	155	11689	10.046	ug/L		99
112) 1,3,5-Trichlorobenzene	13.444	180	86958	9.283	ug/L		94
113) Hexachlorobutadiene	14.018	225	39397	9.842	ug/L		98
114) 1,2,4-Trichlorobenzene	14.041	180	83503	10.079	ug/L		98
115) Naphthalene	14.336	128	214906	10.300	ug/L		100
116) 1,2,3-Trichlorobenzene	14.500	180	77894	10.266	ug/L		97

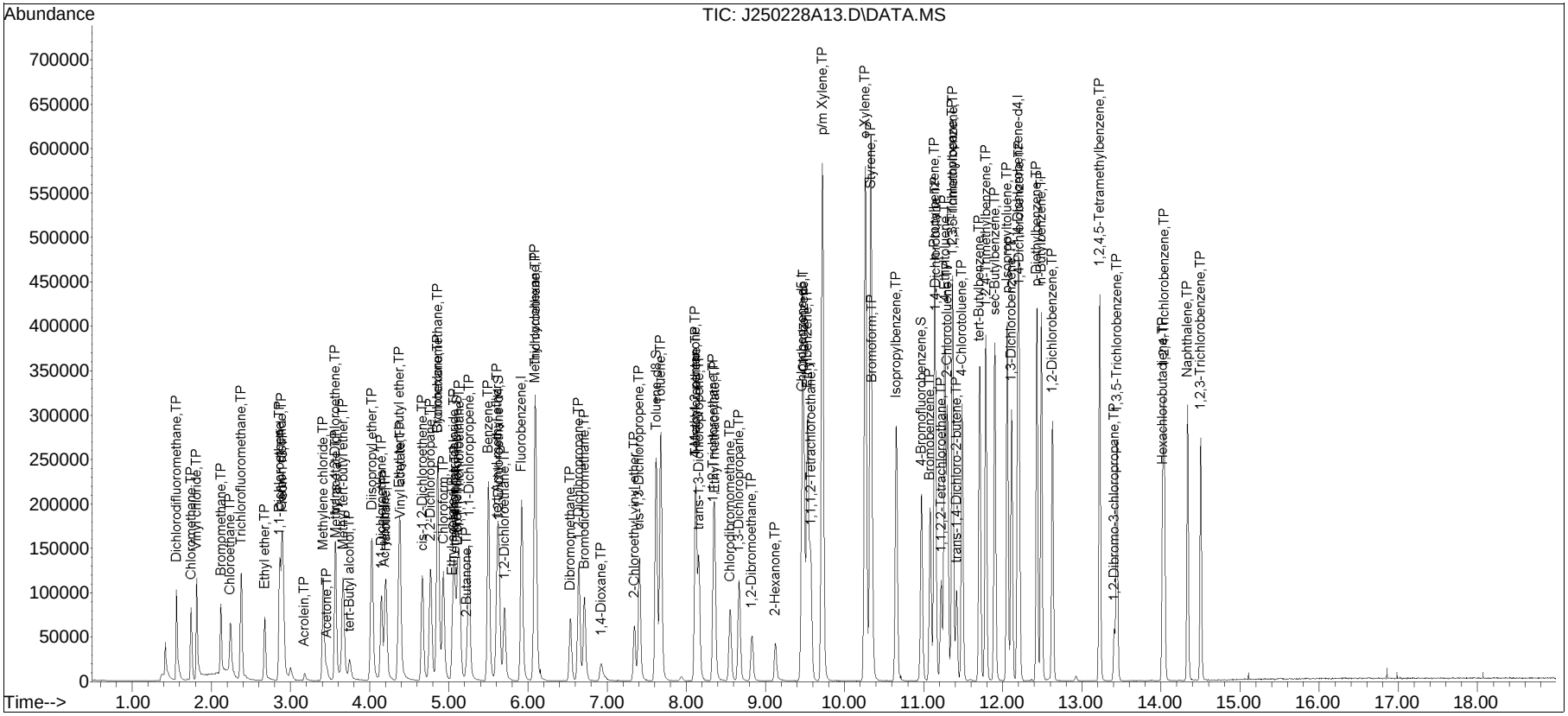
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Acq On : 28 Feb 2025 10:28 am
Operator : JACK:MCM
Sample : C8260STDL10ppb
Misc : WG2035930
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 03 07:56:54 2025
Quant Method : K:\Jack\2025\250228ical\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

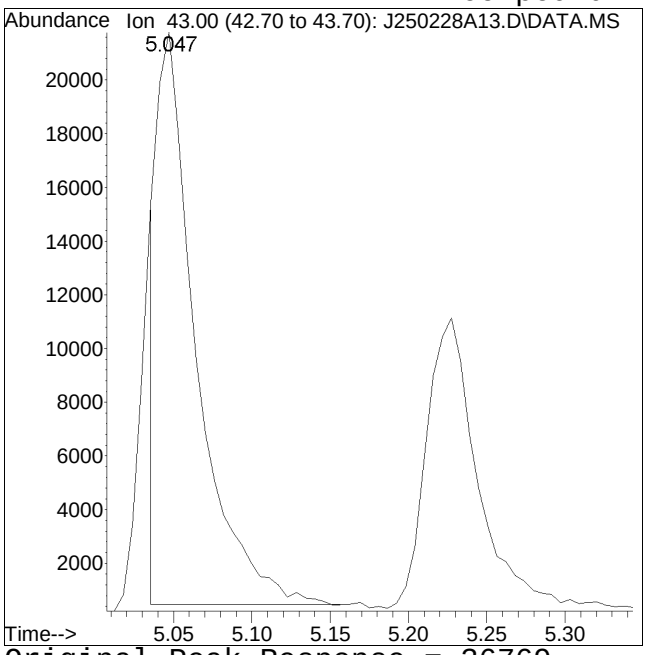
Sub List : 8260-Curve-Iodomethane - Megamix plus Diox-Iodomethane



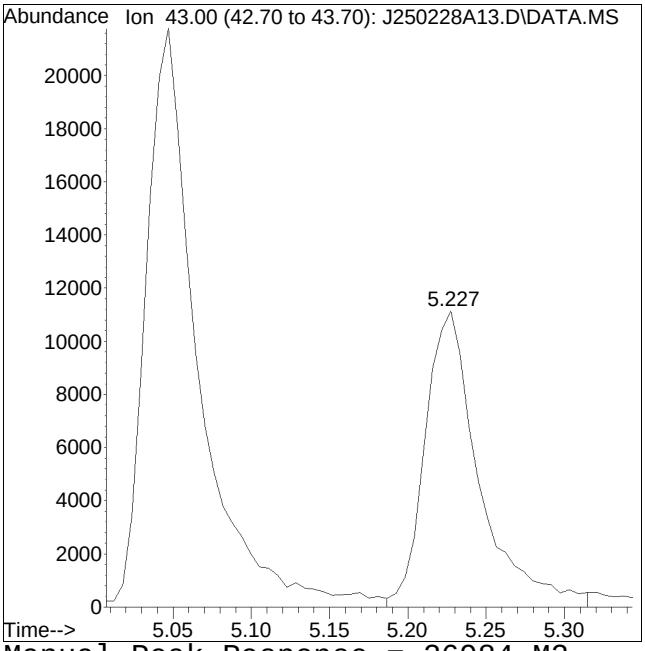
Manual Integration Report

Data Path	: K:\Jack\2025\250228ical\	QMethod	: VJ_250228_8260.m
Data File	: J250228A13.D	Operator	: JACK:MCM
Date Inj'd	: 2/28/2025 10:28 am	Instrument	: Jack
Sample	: C8260STDL10ppb	Quant Date	: 3/3/2025 7:55 am

Compound #42: 2-Butanone



Original Peak Response = 36769



Manual Peak Response = 26984 M2

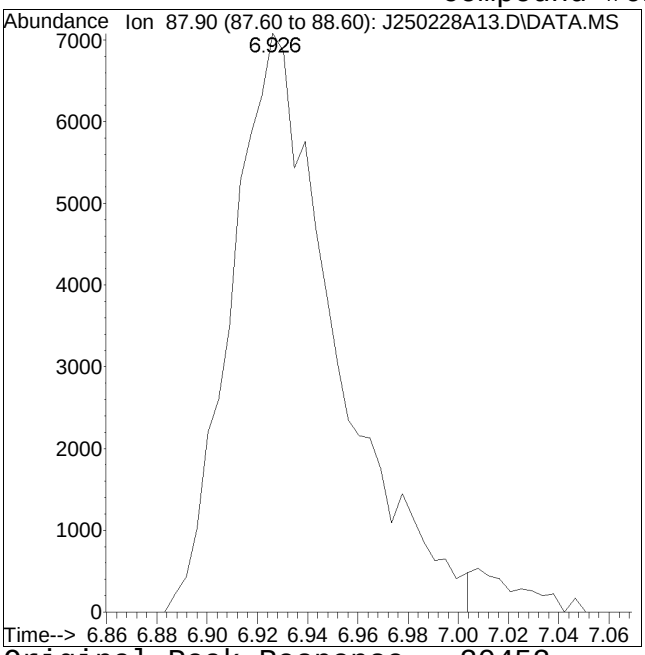
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

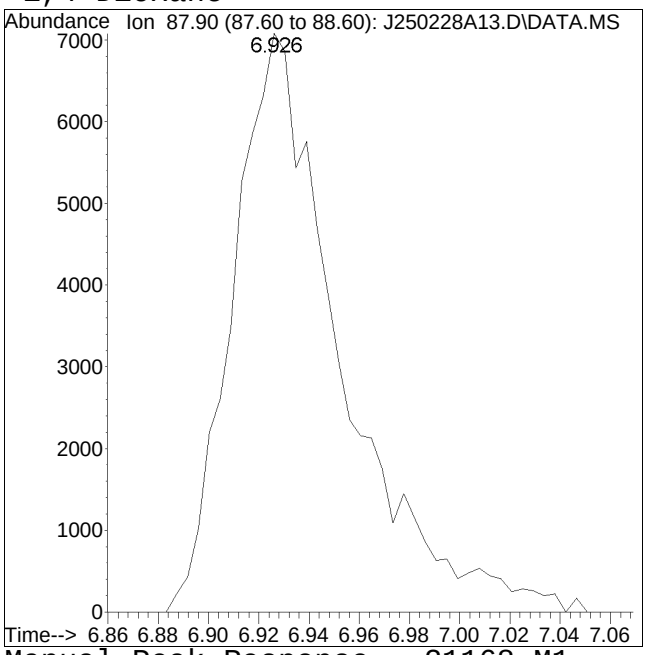
Data Path : K:\Jack\2025\250228ical\
Data File : J250228A13.D
Date Inj'd : 2/28/2025 10:28 am
Sample : C8260STDL10ppb

QMethod : VJ_250228_8260.m
Operator : JACK:MCM
Instrument : Jack
Quant Date : 3/3/2025 7:55 am

Compound #61: 1,4-Dioxane



Original Peak Response = 20452



Manual Peak Response = 21168 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: JACK	**Calibration Date**	: 03/07/25 18:33		
Lab File ID	: J250307N01	**Init. Calib. Date(s)**	: 02/28/25	02/28/25	
Sample No	: WG2038627-2	**Init. Calib. Times**	: 05:35	08:42	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	88	0
Dichlorodifluoromethane	0.28	0.285	-	-1.8	20	87	0
Chloromethane	0.294	0.336	-	-14.3	20	100	0
Vinyl chloride	0.352	0.4	-	-13.6	20	97	0
Bromomethane	0.178	0.145	-	18.5	20	74	0
Chloroethane	0.189	0.216	-	-14.3	20	98	0
Trichlorofluoromethane	0.411	0.417	-	-1.5	20	86	0
1,1-Dichloroethene	0.228	0.228	-	0	20	88	0
Carbon disulfide	0.7	0.743	-	-6.1	20	93	0
Freon-113	0.246	0.243	-	1.2	20	86	0
Methylene chloride	0.247	0.246	-	0.4	20	88	0
Acetone	0.077	0.077	-	0	20	91	0
trans-1,2-Dichloroethene	0.247	0.255	-	-3.2	20	89	0
Methyl acetate	0.167	0.145	-	13.2	20	78	0
Methyl tert-butyl ether	0.682	0.569	-	16.6	20	73	0
1,1-Dichloroethane	0.492	0.516	-	-4.9	20	92	0
cis-1,2-Dichloroethene	0.272	0.277	-	-1.8	20	89	0
Bromochloromethane	0.122	0.117	-	4.1	20	81	0
Cyclohexane	0.51	0.49	-	3.9	20	85	0
Chloroform	0.462	0.459	-	0.6	20	89	0
Carbon tetrachloride	0.363	0.373	-	-2.8	20	88	0
Dibromofluoromethane	0.264	0.257	-	2.7	20	85	0
1,1,1-Trichloroethane	0.408	0.412	-	-1	20	88	0
2-Butanone	0.121	0.117	-	3.3	20	87	0
Benzene	1.011	1.006	-	0.5	20	88	0
1,2-Dichloroethane-d4	0.324	0.275	-	15.1	20	76	0
1,2-Dichloroethane	0.355	0.319	-	10.1	20	79	0
Methyl cyclohexane	0.47	0.434	-	7.7	20	84	0
Trichloroethene	0.271	0.272	-	-0.4	20	87	0
1,2-Dichloropropane	0.262	0.254	-	3.1	20	80	0
Bromodichloromethane	0.344	0.335	-	2.6	20	82	0
1,4-Dioxane	0.00217	0.00285*	-	-31.3*	20	117	0
cis-1,3-Dichloropropene	0.409	0.374	-	8.6	20	76	0
Chlorobenzene-d5	1	1	-	0	20	85	0
Toluene-d8	1.318	1.361	-	-3.3	20	88	0
Toluene	0.882	0.898	-	-1.8	20	87	0
4-Methyl-2-pentanone	0.125	0.101	-	19.2	20	66	0
Tetrachloroethene	0.411	0.398	-	3.2	20	82	0
trans-1,3-Dichloropropene	0.495	0.412	-	16.8	20	68	0
1,1,2-Trichloroethane	0.262	0.227	-	13.4	20	68	0
Chlorodibromomethane	0.365	0.313	-	14.2	20	70	0
1,2-Dibromoethane	0.295	0.232	-	21.4*	20	63	0
2-Hexanone	0.255	0.22	-	13.7	20	68	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: JACK	**Calibration Date**	: 03/07/25 18:33		
Lab File ID	: J250307N01	**Init. Calib. Date(s)**	: 02/28/25	02/28/25	
Sample No	: WG2038627-2	**Init. Calib. Times**	: 05:35	08:42	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorobenzene	0.973	0.978	-	-0.5	20	82	0
Ethylbenzene	1.752	1.765	-	-0.7	20	85	0
p/m Xylene	0.685	0.691	-	-0.9	20	86	0
o Xylene	0.658	0.664	-	-0.9	20	85	0
Styrene	1.121	1.06	-	5.4	20	79	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
Bromoform	0.441	0.321	-	27.2*	20	57	0
Isopropylbenzene	3.009	3.033	-	-0.8	20	84	0
4-Bromofluorobenzene	0.855	0.852	-	0.4	20	86	0
n-Propylbenzene	3.645	3.659	-	-0.4	20	83	0
1,1,2,2-Tetrachloroethane	0.7	0.539	-	23*	20	60	0
1,3,5-Trimethylbenzene	2.587	2.639	-	-2	20	86	0
tert-Butylbenzene	2.151	2.169	-	-0.8	20	84	0
1,2,4-Trimethylbenzene	2.516	2.563	-	-1.9	20	84	0
sec-Butylbenzene	3.283	3.329	-	-1.4	20	85	0
p-Isopropyltoluene	2.792	2.825	-	-1.2	20	84	0
1,3-Dichlorobenzene	1.47	1.428	-	2.9	20	79	0
1,4-Dichlorobenzene	1.47	1.419	-	3.5	20	79	0
n-Butylbenzene	2.502	2.516	-	-0.6	20	85	0
1,2-Dichlorobenzene	1.362	1.3	-	4.6	20	78	0
1,2-Dibromo-3-chloropropan	0.133	0.111	-	16.5	20	67	0
1,2,4-Trichlorobenzene	0.948	0.879	-	7.3	20	78	0
Naphthalene	2.388	1.831	-	23.3*	20	63	0
1,2,3-Trichlorobenzene	0.868	0.803	-	7.5	20	76	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	88	0.00
2	TP	Dichlorodifluoromethane	0.280	0.285	-1.8	87	0.00
3	TP	Chloromethane	0.294	0.336	-14.3	100	0.00
4	TP	Vinyl chloride	0.352	0.400	-13.6	97	0.00
5	TP	Bromomethane	0.178	0.145	18.5	74	0.00
6	TP	Chloroethane	0.189	0.216	-14.3	98	0.00
7	TP	Trichlorofluoromethane	0.411	0.417	-1.5	86	0.00
10	TP	1,1-Dichloroethene	0.228	0.228	0.0	88	0.00
11	TP	Carbon disulfide	0.700	0.743	-6.1	93	0.00
12	TP	Freon-113	0.246	0.243	1.2	86	0.00
15	TP	Methylene chloride	0.247	0.246	0.4	88	0.00
17	TP	Acetone	0.077	0.077	0.0	91	0.00
18	TP	trans-1,2-Dichloroethene	0.247	0.255	-3.2	89	0.00
19	TP	Methyl acetate	0.167	0.145	13.2	78	0.00
21	TP	Methyl tert-butyl ether	0.682	0.569	16.6	73	0.00
25	TP	1,1-Dichloroethane	0.492	0.516	-4.9	92	0.00
30	TP	cis-1,2-Dichloroethene	0.272	0.277	-1.8	89	0.00
33	TP	Bromochloromethane	0.122	0.117	4.1	81	0.00
34	TP	Cyclohexane	0.510	0.490	3.9	85	0.00
35	TP	Chloroform	0.462	0.459	0.6	89	0.00
37	TP	Carbon tetrachloride	0.363	0.373	-2.8	88	0.00
39	S	Dibromofluoromethane	0.264	0.257	2.7	85	0.00
40	TP	1,1,1-Trichloroethane	0.408	0.412	-1.0	88	0.00
42	TP	2-Butanone	0.121	0.117	3.3	87	0.00
45	TP	Benzene	1.011	1.006	0.5	88	0.00
47	S	1,2-Dichloroethane-d4	0.324	0.275	15.1	76	0.00
48	TP	1,2-Dichloroethane	0.355	0.319	10.1	79	0.00
51	TP	Methyl cyclohexane	0.470	0.434	7.7	84	0.00
52	TP	Trichloroethene	0.271	0.272	-0.4	87	0.00
55	TP	1,2-Dichloropropane	0.262	0.254	3.1	80	0.00
58	TP	Bromodichloromethane	0.344	0.335	2.6	82	0.00
61	TP	1,4-Dioxane	0.00217	0.00285#	-31.3#	117	0.00
62	TP	cis-1,3-Dichloropropene	0.409	0.374	8.6	76	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	S	Toluene-d8	1.318	1.361	-3.3	88	0.00
65	TP	Toluene	0.882	0.898	-1.8	87	0.00
66	TP	4-Methyl-2-pentanone	0.125	0.101	19.2	66	0.00
67	TP	Tetrachloroethene	0.411	0.398	3.2	82	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
69	TP	trans-1,3-Dichloropropene	0.495	0.412	16.8	68	0.00
72	TP	1,1,2-Trichloroethane	0.262	0.227	13.4	68	0.00
73	TP	Chlorodibromomethane	0.365	0.313	14.2	70	0.00
75	TP	1,2-Dibromoethane	0.295	0.232	21.4#	63	0.00
77	TP	2-Hexanone	0.255	0.220	13.7	68	0.00
78	T	Chlorobenzene	0.973	0.978	-0.5	82	0.00
79	TP	Ethylbenzene	1.752	1.765	-0.7	85	0.00
81	TP	p/m Xylene	0.685	0.691	-0.9	86	0.00
82	TP	o Xylene	0.658	0.664	-0.9	85	0.00
83	TP	Styrene	1.121	1.060	5.4	79	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
85	TP	Bromoform	0.441	0.321	27.2#	57	0.00
87	TP	Isopropylbenzene	3.009	3.033	-0.8	84	0.00
88	S	4-Bromofluorobenzene	0.855	0.852	0.4	86	0.00
90	TP	n-Propylbenzene	3.645	3.659	-0.4	83	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.700	0.539	23.0#	60	0.00
95	TP	1,3,5-Trimethylbenzene	2.587	2.639	-2.0	86	0.00
99	TP	tert-Butylbenzene	2.151	2.169	-0.8	84	0.00
102	TP	1,2,4-Trimethylbenzene	2.516	2.563	-1.9	84	0.00
103	TP	sec-Butylbenzene	3.283	3.329	-1.4	85	0.00
104	TP	p-Isopropyltoluene	2.792	2.825	-1.2	84	0.00
105	TP	1,3-Dichlorobenzene	1.470	1.428	2.9	79	0.00
106	TP	1,4-Dichlorobenzene	1.470	1.419	3.5	79	0.00
108	TP	n-Butylbenzene	2.502	2.516	-0.6	85	0.00
109	TP	1,2-Dichlorobenzene	1.362	1.300	4.6	78	0.00
111	TP	1,2-Dibromo-3-chloropropane	0.133	0.111	16.5	67	0.00
114	TP	1,2,4-Trichlorobenzene	0.948	0.879	7.3	78	0.00
115	TP	Naphthalene	2.388	1.831	23.3#	63	0.00
116	TP	1,2,3-Trichlorobenzene	0.868	0.803	7.5	76	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	180282	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 100.00%			
63) Chlorobenzene-d5	9.466	117	129688	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.193	152	75468	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.105	113	46399	9.738	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.38%			
47) 1,2-Dichloroethane-d4	5.635	65	49513	8.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.69%			
64) Toluene-d8	7.618	98	176453	10.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.22%			
88) 4-Bromofluorobenzene	10.973	95	64264	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.558	85	51359	10.189	ug/L	99
3) Chloromethane	1.738	50	60597	11.432	ug/L	99
4) Vinyl chloride	1.814	62	72117	11.354	ug/L	98
5) Bromomethane	2.116	94	26079	8.122	ug/L	94
6) Chloroethane	2.238	64	39027	11.444	ug/L	94
7) Trichlorofluoromethane	2.372	101	75240	10.164	ug/L	100
10) 1,1-Dichloroethene	2.860	96	41078	9.981	ug/L	90
11) Carbon disulfide	2.884	76	133927	10.615	ug/L	100
12) Freon-113	2.901	101	43733	9.847	ug/L	86
15) Methylene chloride	3.413	84	44335	9.943	ug/L	97
17) Acetone	3.454	43	13825	9.955	ug/L	92
18) trans-1,2-Dichloroethene	3.564	96	45944	10.335	ug/L	91
19) Methyl acetate	3.570	43	26121	8.656	ug/L #	96
21) Methyl tert-butyl ether	3.663	73	102500	8.339	ug/L	99
25) 1,1-Dichloroethane	4.146	63	92956	10.486	ug/L	98
30) cis-1,2-Dichloroethene	4.663	96	49888	10.171	ug/L	88
33) Bromochloromethane	4.855	128	21004	9.562	ug/L #	73
34) Cyclohexane	4.861	56	88399	9.619	ug/L	99
35) Chloroform	4.931	83	82752	9.932	ug/L	97
37) Carbon tetrachloride	5.065	117	67267	10.273	ug/L	98
40) 1,1,1-Trichloroethane	5.129	97	74307	10.090	ug/L	95

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2-Butanone	5.222	43	21060	9.687	ug/L	#	75
45) Benzene	5.501	78	181412	9.954	ug/L		99
48) 1,2-Dichloroethane	5.704	62	57591	8.994	ug/L		97
51) Methyl cyclohexane	6.088	83	78221	9.224	ug/L		93
52) Trichloroethene	6.094	95	49051	10.024	ug/L		92
55) 1,2-Dichloropropane	6.641	63	45852	9.710	ug/L		94
58) Bromodichloromethane	6.711	83	60334	9.728	ug/L	#	99
61) 1,4-Dioxane	6.922	88	25646	656.277	ug/L		94
62) cis-1,3-Dichloropropene	7.408	75	67417	9.143	ug/L		96
65) Toluene	7.674	92	116518	10.182	ug/L		100
66) 4-Methyl-2-pentanone	8.113	58	13094	8.089	ug/L		94
67) Tetrachloroethene	8.121	166	51577	9.669	ug/L		92
69) trans-1,3-Dichloropropene	8.160	75	53480	8.334	ug/L		100
72) 1,1,2-Trichloroethane	8.349	83	29437	8.660	ug/L		97
73) Chlorodibromomethane	8.555	129	40621	8.573	ug/L		96
75) 1,2-Dibromoethane	8.833	107	30080	7.871	ug/L		100
77) 2-Hexanone	9.129	43	28479	8.602	ug/L		97
78) Chlorobenzene	9.484	112	126811	10.050	ug/L		90
79) Ethylbenzene	9.529	91	228876	10.075	ug/L		97
81) p/m Xylene	9.721	106	179287	20.180	ug/L		91
82) o Xylene	10.267	106	172181	20.175	ug/L		94
83) Styrene	10.331	104	275041	18.914	ug/L		92
85) Bromoform	10.344	173	24256	7.285	ug/L		98
87) Isopropylbenzene	10.654	105	228882	10.081	ug/L		98
90) n-Propylbenzene	11.136	91	276159	10.040	ug/L		96
92) 1,1,2,2-Tetrachloroethane	11.223	83	40677	7.697	ug/L	#	99
95) 1,3,5-Trimethylbenzene	11.369	105	199179	10.204	ug/L		99
99) tert-Butylbenzene	11.710	119	163689	10.085	ug/L		95
102) 1,2,4-Trimethylbenzene	11.787	105	193407	10.184	ug/L		98
103) sec-Butylbenzene	11.901	105	251257	10.140	ug/L		95
104) p-Isopropyltoluene	12.056	119	213163	10.118	ug/L		96
105) 1,3-Dichlorobenzene	12.111	146	107748	9.713	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	107126	9.655	ug/L		96
108) n-Butylbenzene	12.488	91	189914	10.059	ug/L	#	96
109) 1,2-Dichlorobenzene	12.630	146	98078	9.541	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.408	155	8362	8.322	ug/L		96
114) 1,2,4-Trichlorobenzene	14.041	180	66353	9.274	ug/L		99
115) Naphthalene	14.337	128	138189	7.669	ug/L		100
116) 1,2,3-Trichlorobenzene	14.505	180	60599	9.248	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

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

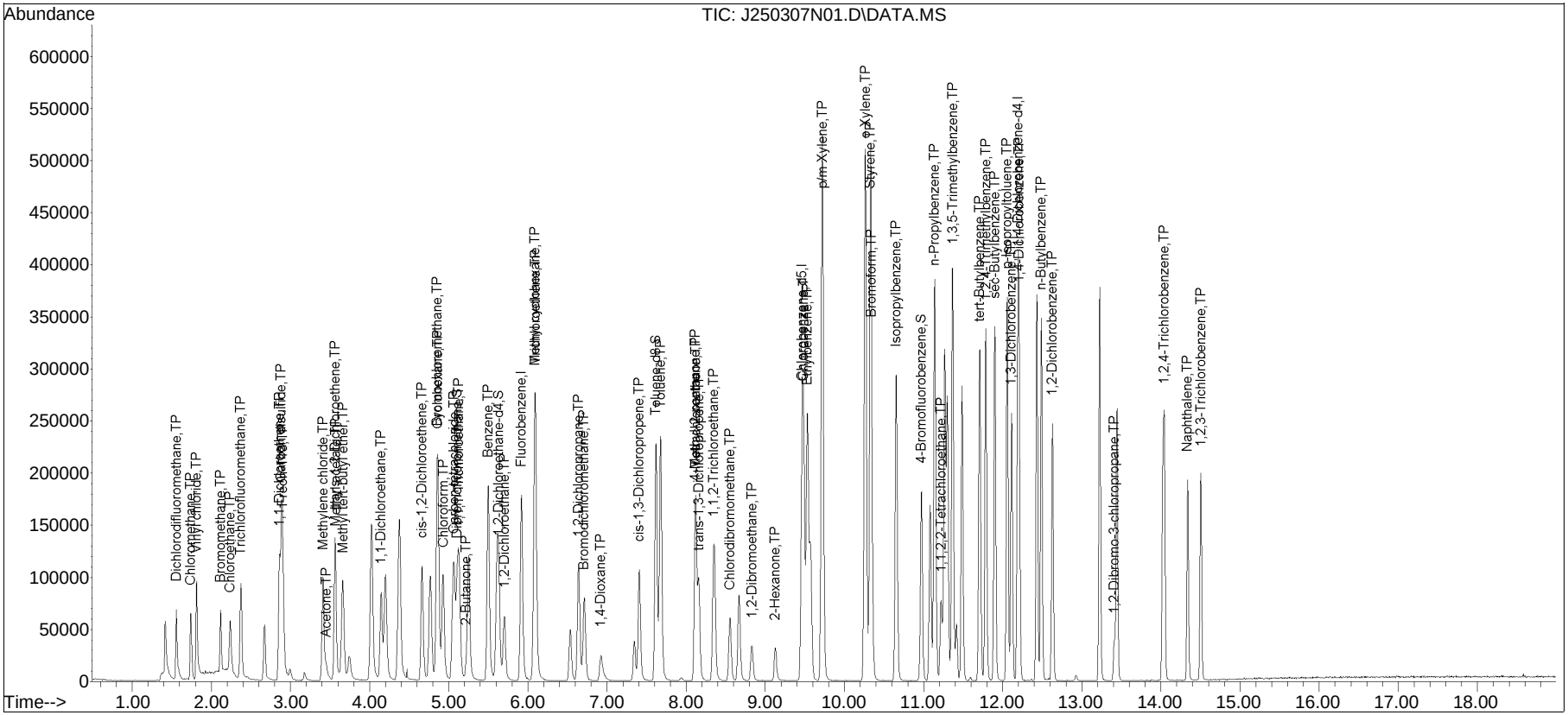
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-2
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•



Manual Integration Report

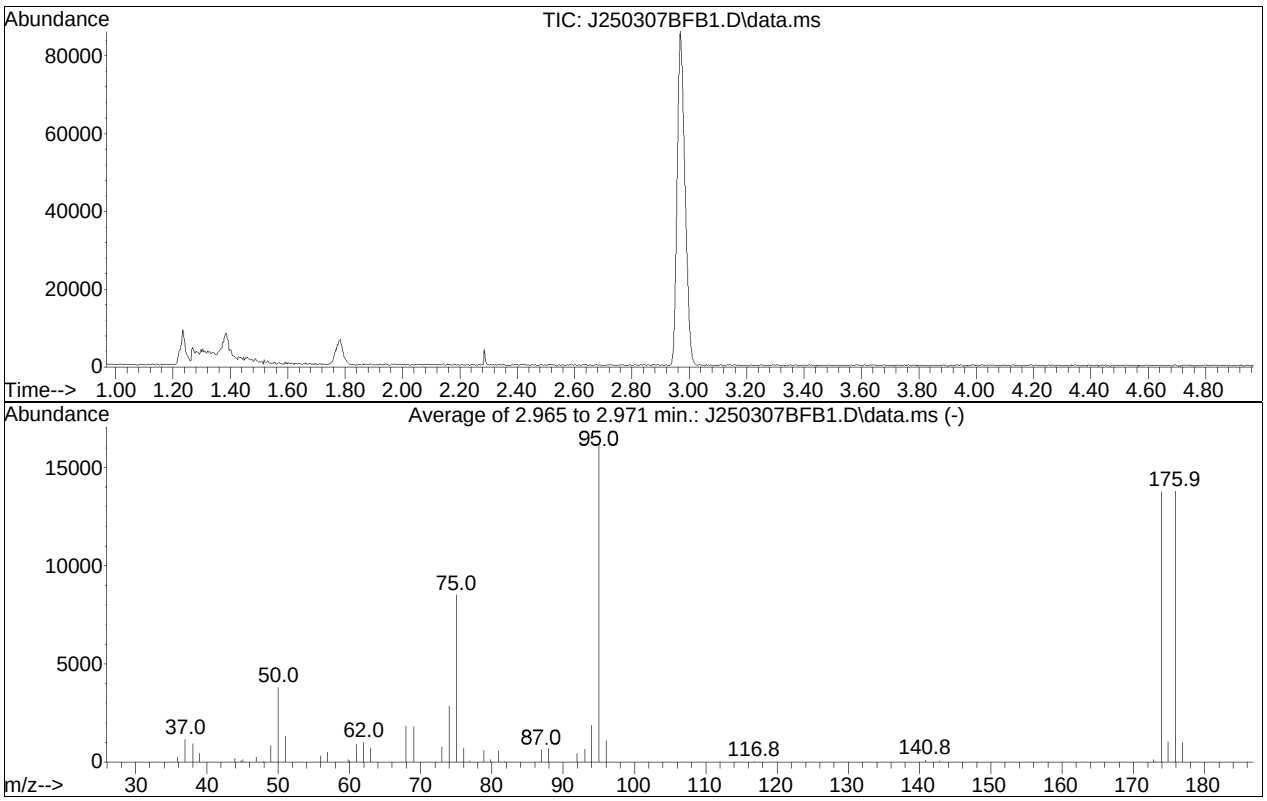
Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N01.D	Operator	: JACK:RAW
Date Inj'd	: 3/7/2025 6:33 pm	Instrument	: Jack
Sample	: WG2038627-2	Quant Date	: 3/7/2025 6:55 pm

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

Data Path : K:\Jack\2025\250307N\
Data File : J250307BFB1.D
Acq On : 7 Mar 2025 6:06 pm
Operator : JACK:RAW
Sample : WG2038627-1
Misc : WG2038627
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Feb 28 09:40:56 2025



AutoFind: Scans 856, 857, 858; Background Corrected with Scan 843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	3792	PASS
75	95	30	60	52.3	8511	PASS
95	95	100	100	100.0	16265	PASS
96	95	5	9	6.7	1085	PASS
173	174	0.00	2	0.9	128	PASS
174	95	50	100	84.6	13756	PASS
175	174	5	9	7.5	1027	PASS
176	174	95	101	100.4	13808	PASS
177	176	5	9	7.2	998	PASS

Volatiles Raw QC Data

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N05.D
Acq On : 7 Mar 2025 8:19 pm
Operator : JACK:RAW
Sample : WG2038627-5,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 10 12:42:10 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	168343	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 93.38%		
63) Chlorobenzene-d5	9.461	117	127147	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 98.04%		
84) 1,4-Dichlorobenzene-d4	12.188	152	71928	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 95.31%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	47412	10.656 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.56%		
47) 1,2-Dichloroethane-d4	5.629	65	54149	9.919 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.19%		
64) Toluene-d8	7.618	98	166455	9.932 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.32%		
88) 4-Bromofluorobenzene	10.973	95	61051	9.922 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.22%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.389	85	56	N.D.	
3) Chloromethane	1.907	50	62	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.116	94	170	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.884	76	124	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.419	84	55	N.D.	
17) Acetone	3.465	43	73	N.D.	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.622	43	109	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
34) Cyclohexane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	
37) Carbon tetrachloride	0.000		0	N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N05.D
Acq On : 7 Mar 2025 8:19 pm
Operator : JACK:RAW
Sample : WG2038627-5,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 10 12:42:10 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0	N.D.		
42)	2-Butanone	0.000		0	N.D.	d	
45)	Benzene	0.000		0	N.D.		
48)	1,2-Dichloroethane	0.000		0	N.D.		
51)	Methyl cyclohexane	0.000		0	N.D.		
52)	Trichloroethene	0.000		0	N.D.		
55)	1,2-Dichloropropane	0.000		0	N.D.		
58)	Bromodichloromethane	0.000		0	N.D.		
62)	cis-1,3-Dichloropropene	0.000		0	N.D.		
65)	Toluene	0.000		0	N.D.		
66)	4-Methyl-2-pentanone	0.000		0	N.D.		
67)	Tetrachloroethene	0.000		0	N.D.		
69)	trans-1,3-Dichloropropene	0.000		0	N.D.		
72)	1,1,2-Trichloroethane	0.000		0	N.D.		
73)	Chlorodibromomethane	0.000		0	N.D.		
75)	1,2-Dibromoethane	0.000		0	N.D.		
77)	2-Hexanone	9.238	43	71	N.D.		
78)	Chlorobenzene	0.000		0	N.D.		
79)	Ethylbenzene	9.461	91	54	N.D.		
81)	p/m Xylene	0.000		0	N.D.		
82)	o Xylene	0.000		0	N.D.		
83)	Styrene	0.000		0	N.D.		
85)	Bromoform	0.000		0	N.D.		
87)	Isopropylbenzene	0.000		0	N.D.		
92)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
105)	1,3-Dichlorobenzene	0.000		0	N.D.		
106)	1,4-Dichlorobenzene	0.000		0	N.D.		
109)	1,2-Dichlorobenzene	0.000		0	N.D.		
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
114)	1,2,4-Trichlorobenzene	0.000		0	N.D.		
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

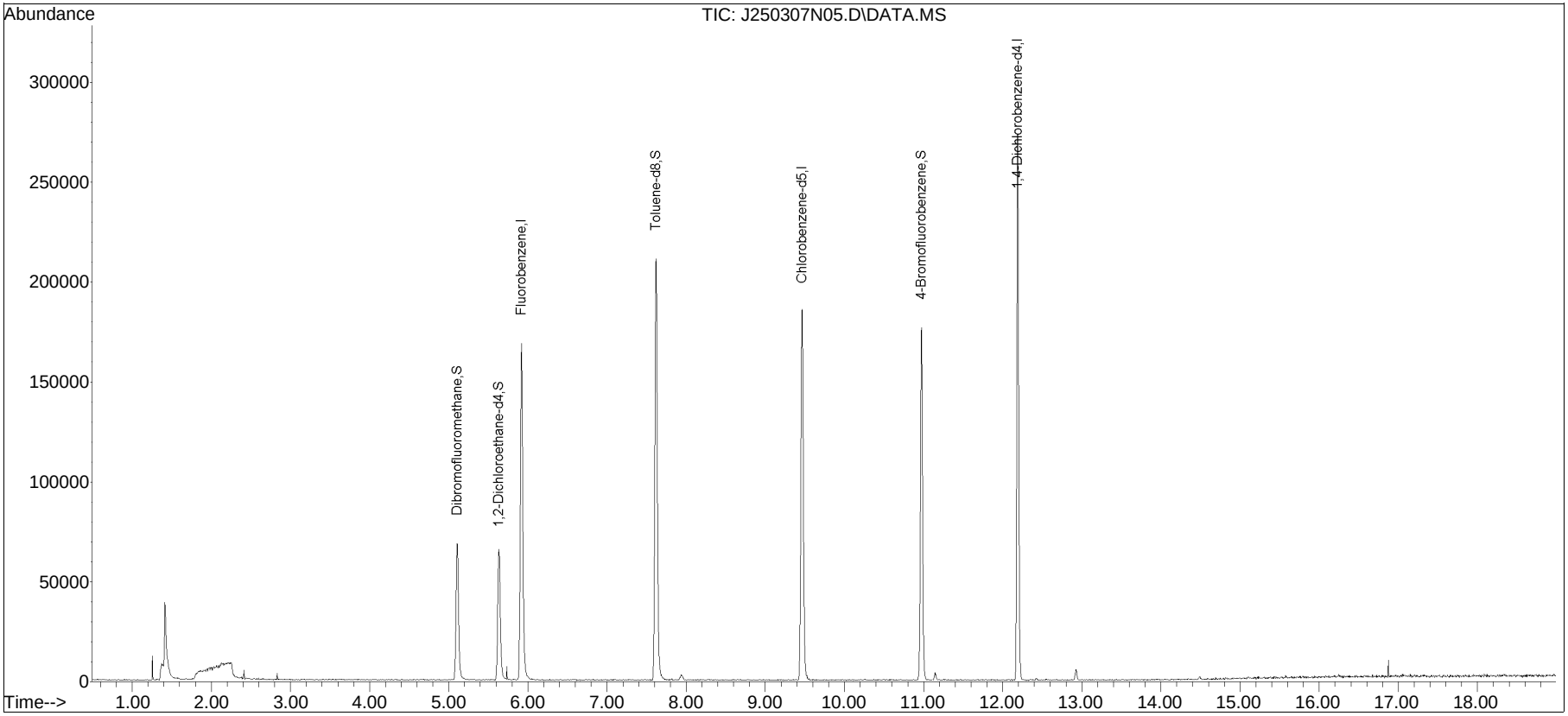
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N05.D
Acq On : 7 Mar 2025 8:19 pm
Operator : JACK:RAW
Sample : WG2038627-5,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 10 12:42:10 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N05.D	Operator	: JACK:RAW
Date Inj'd	: 3/7/2025 8:19 pm	Instrument	: Jack
Sample	: WG2038627-5,31,10,10	Quant Date	: 3/10/2025 12:41 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-3,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	180282	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 100.00%			
63) Chlorobenzene-d5	9.466	117	129688	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.193	152	75468	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.105	113	46399	9.738	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.38%			
47) 1,2-Dichloroethane-d4	5.635	65	49513	8.469	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.69%			
64) Toluene-d8	7.618	98	176453	10.322	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.22%			
88) 4-Bromofluorobenzene	10.973	95	64264	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.558	85	51359	10.189	ug/L	99
3) Chloromethane	1.738	50	60597	11.432	ug/L	99
4) Vinyl chloride	1.814	62	72117	11.354	ug/L	98
5) Bromomethane	2.116	94	26079	8.122	ug/L	94
6) Chloroethane	2.238	64	39027	11.444	ug/L	94
7) Trichlorofluoromethane	2.372	101	75240	10.164	ug/L	100
10) 1,1-Dichloroethene	2.860	96	41078	9.981	ug/L	90
11) Carbon disulfide	2.884	76	133927	10.615	ug/L	100
12) Freon-113	2.901	101	43733	9.847	ug/L	86
15) Methylene chloride	3.413	84	44335	9.943	ug/L	97
17) Acetone	3.454	43	13825	9.955	ug/L	92
18) trans-1,2-Dichloroethene	3.564	96	45944	10.335	ug/L	91
19) Methyl acetate	3.570	43	26121	8.656	ug/L #	96
21) Methyl tert-butyl ether	3.663	73	102500	8.339	ug/L	99
25) 1,1-Dichloroethane	4.146	63	92956	10.486	ug/L	98
30) cis-1,2-Dichloroethene	4.663	96	49888	10.171	ug/L	88
33) Bromochloromethane	4.855	128	21004	9.562	ug/L #	73
34) Cyclohexane	4.861	56	88399	9.619	ug/L	99
35) Chloroform	4.931	83	82752	9.932	ug/L	97
37) Carbon tetrachloride	5.065	117	67267	10.273	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-3,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.129	97	74307	10.090	ug/L		95
42) 2-Butanone	5.222	43	21060	9.687	ug/L	#	75
45) Benzene	5.501	78	181412	9.954	ug/L		99
48) 1,2-Dichloroethane	5.704	62	57591	8.994	ug/L		97
51) Methyl cyclohexane	6.088	83	78221	9.224	ug/L		93
52) Trichloroethene	6.094	95	49051	10.024	ug/L		92
55) 1,2-Dichloropropane	6.641	63	45852	9.710	ug/L		94
58) Bromodichloromethane	6.711	83	60334	9.728	ug/L	#	99
62) cis-1,3-Dichloropropene	7.408	75	67417	9.143	ug/L		96
65) Toluene	7.674	92	116518	10.182	ug/L		100
66) 4-Methyl-2-pentanone	8.113	58	13094	8.089	ug/L		94
67) Tetrachloroethene	8.121	166	51577	9.669	ug/L		92
69) trans-1,3-Dichloropropene	8.160	75	53480	8.334	ug/L		100
72) 1,1,2-Trichloroethane	8.349	83	29437	8.660	ug/L		97
73) Chlorodibromomethane	8.555	129	40621	8.573	ug/L		96
75) 1,2-Dibromoethane	8.833	107	30080	7.871	ug/L		100
77) 2-Hexanone	9.129	43	28479	8.602	ug/L		97
78) Chlorobenzene	9.484	112	126811	10.050	ug/L		90
79) Ethylbenzene	9.529	91	228876	10.075	ug/L		97
81) p/m Xylene	9.721	106	179287	20.180	ug/L		91
82) o Xylene	10.267	106	172181	20.175	ug/L		94
83) Styrene	10.331	104	275041	18.914	ug/L		92
85) Bromoform	10.344	173	24256	7.285	ug/L		98
87) Isopropylbenzene	10.654	105	228882	10.081	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.223	83	40677	7.697	ug/L	#	99
105) 1,3-Dichlorobenzene	12.111	146	107748	9.713	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	107126	9.655	ug/L		96
109) 1,2-Dichlorobenzene	12.630	146	98078	9.541	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.408	155	8362	8.322	ug/L		96
114) 1,2,4-Trichlorobenzene	14.041	180	66353	9.274	ug/L		99
116) 1,2,3-Trichlorobenzene	14.505	180	60599	9.248	ug/L		98

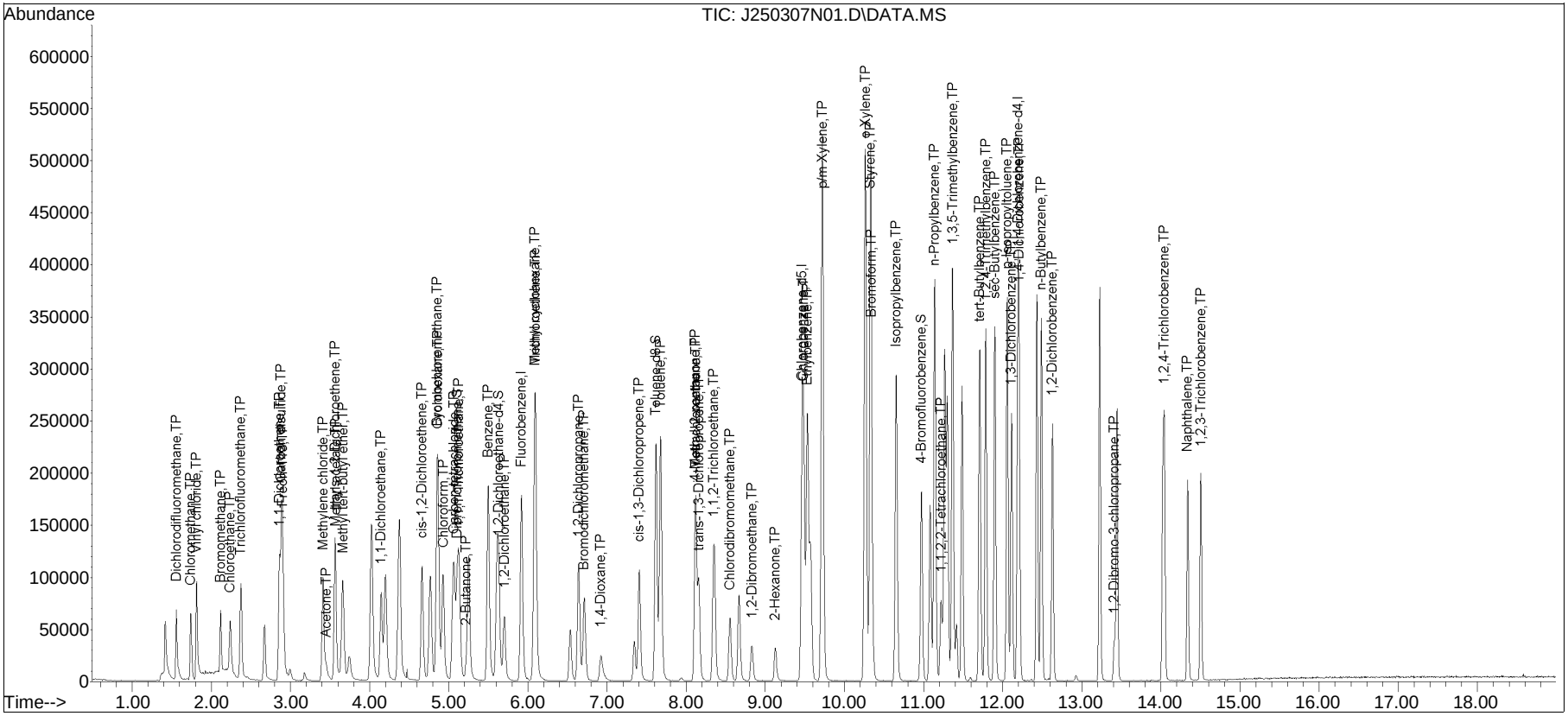
(#) = qualifier out of range (m) = manual integration (+) = signals summed

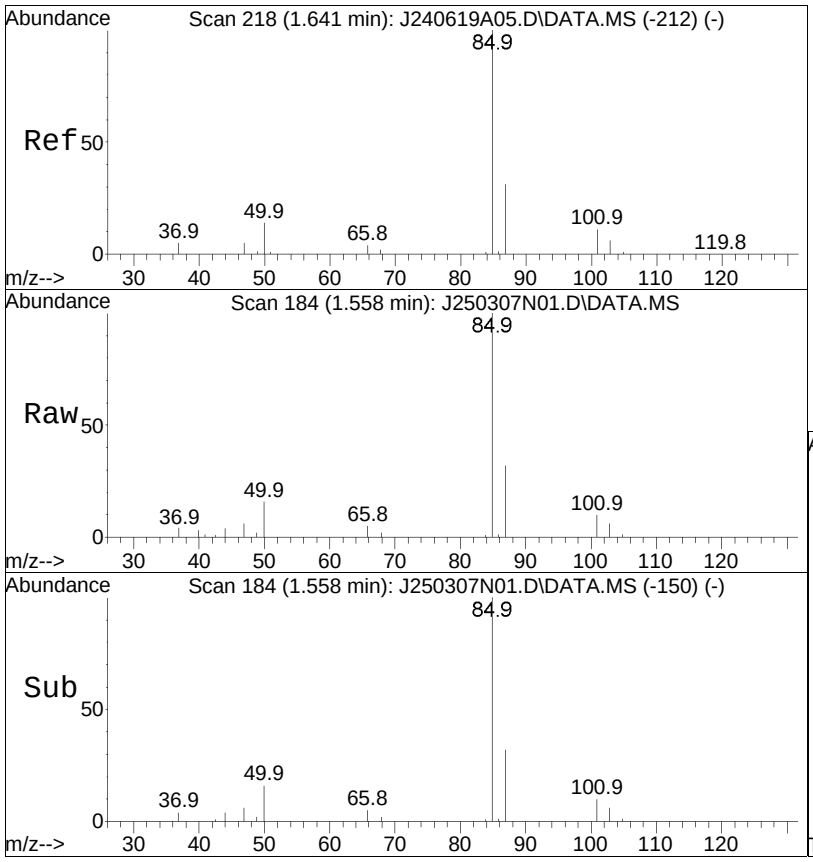
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N01.D
Acq On : 7 Mar 2025 6:33 pm
Operator : JACK:RAW
Sample : WG2038627-3,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 19:55:36 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

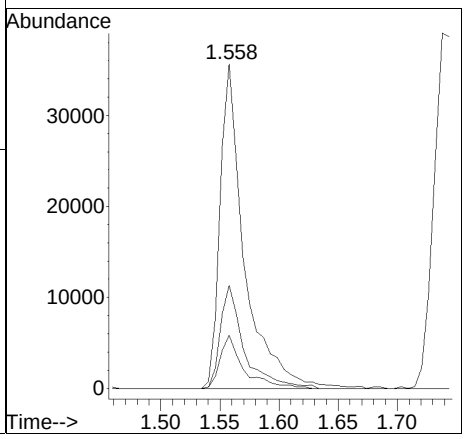


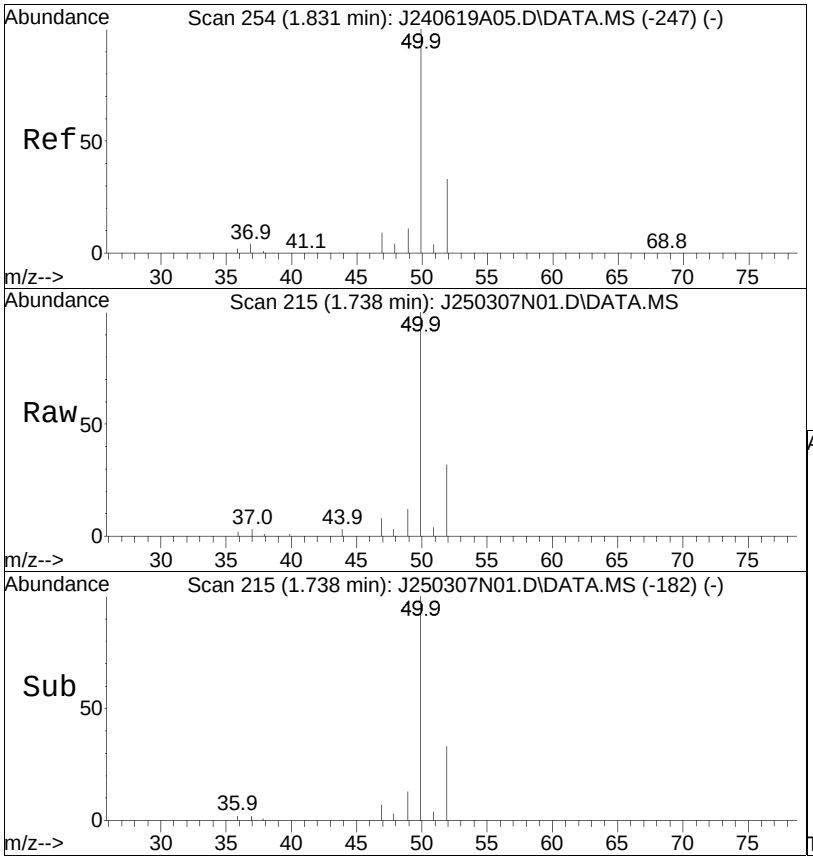


#2
Dichlorodifluoromethane
Concen: 10.19 ug/L
RT: 1.558 min Scan# 184
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 85 Resp: 51359

Ion	Ratio	Lower	Upper
85	100		
87	30.7	20.2	42.0
50	15.6	10.1	20.9

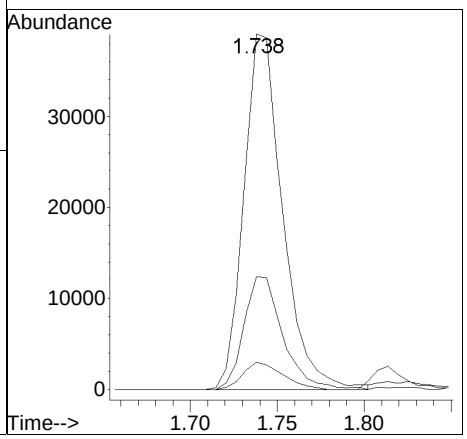


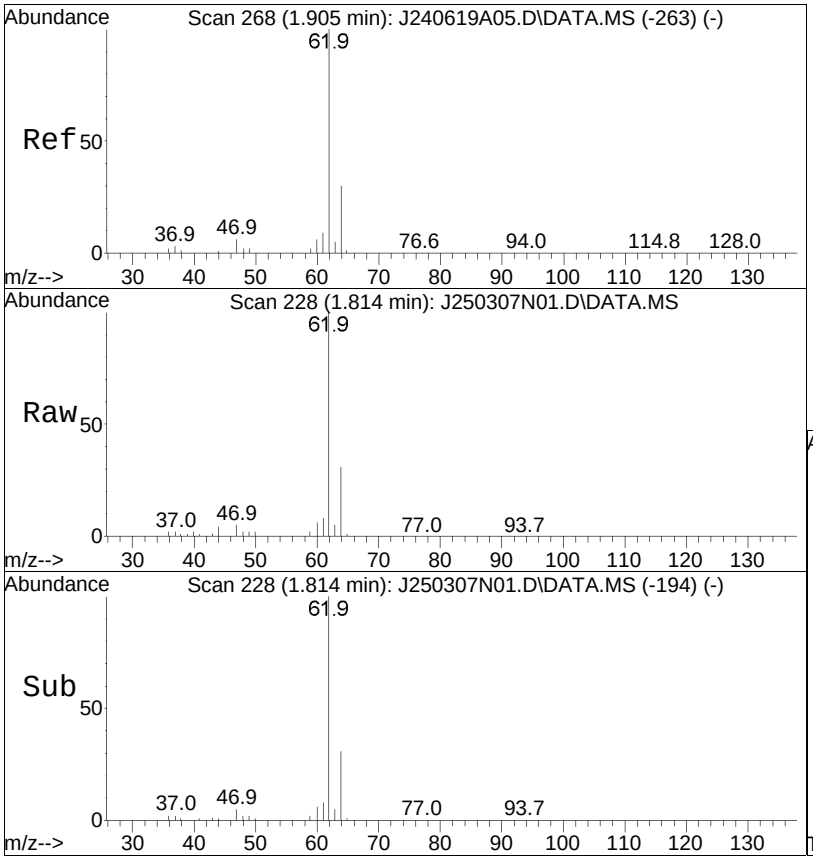


#3
Chloromethane
Concen: 11.43 ug/L
RT: 1.738 min Scan# 215
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 50 Resp: 60597

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.1	37.7
47	7.9	6.5	9.7

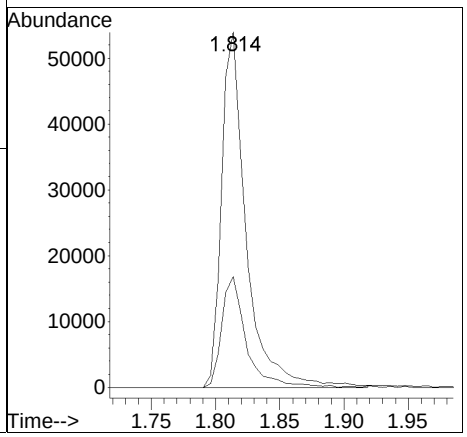


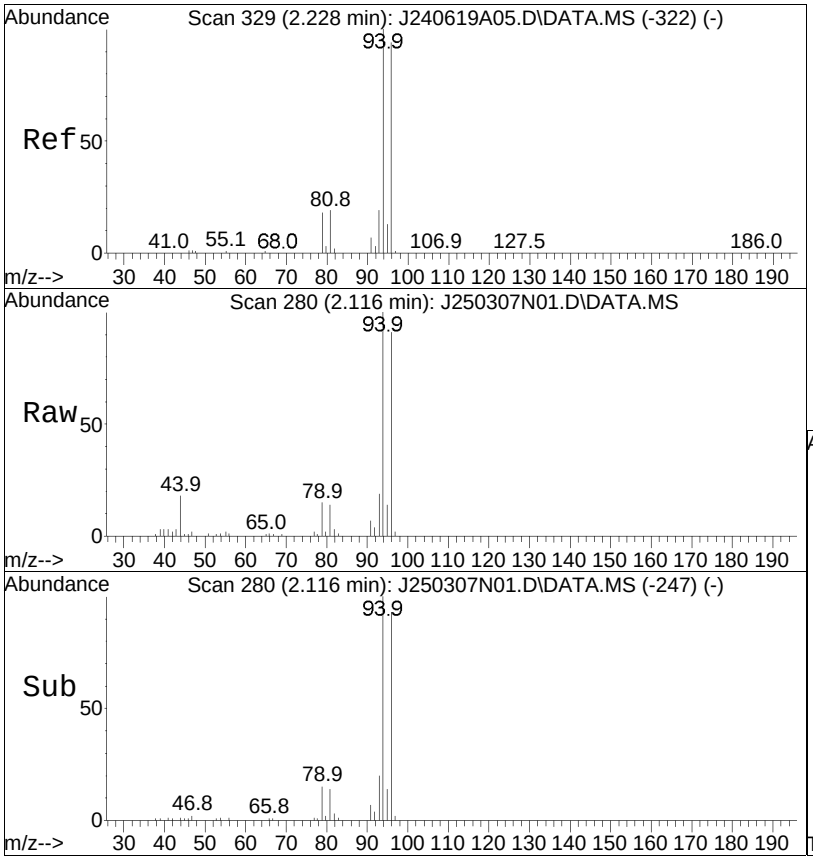


#4
Vinyl chloride
Concen: 11.35 ug/L
RT: 1.814 min Scan# 228
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 62 Resp: 72117

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.7	38.5

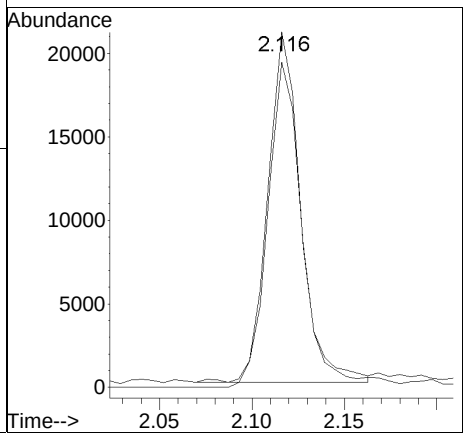


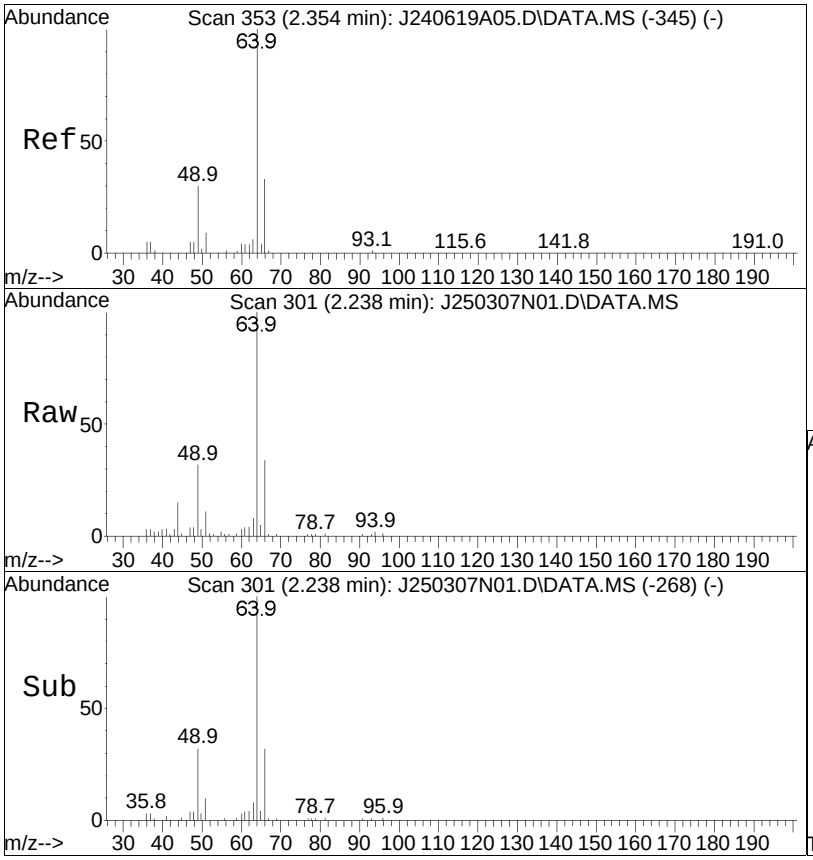


#5
Bromomethane
Concen: 8.12 ug/L
RT: 2.116 min Scan# 280
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 94 Resp: 26079

Ion	Ratio	Lower	Upper
94	100		
96	98.1	73.7	110.5

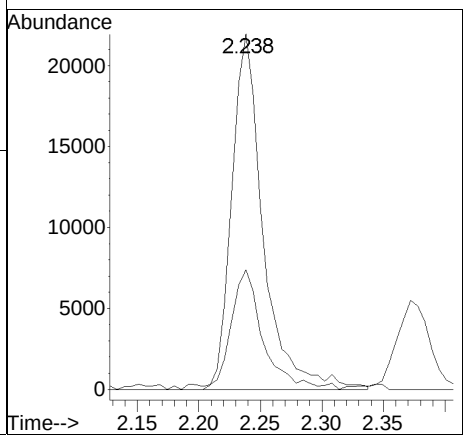


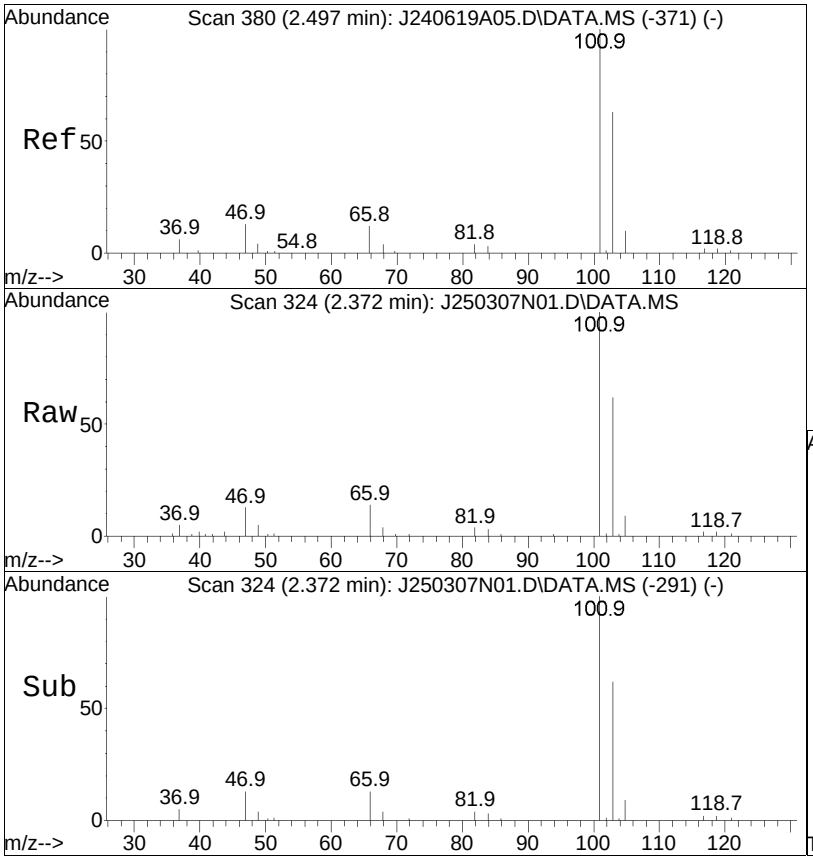


#6
Chloroethane
Concen: 11.44 ug/L
RT: 2.238 min Scan# 301
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 64 Resp: 39027

Ion	Ratio	Lower	Upper
64	100		
66	34.9	25.3	37.9

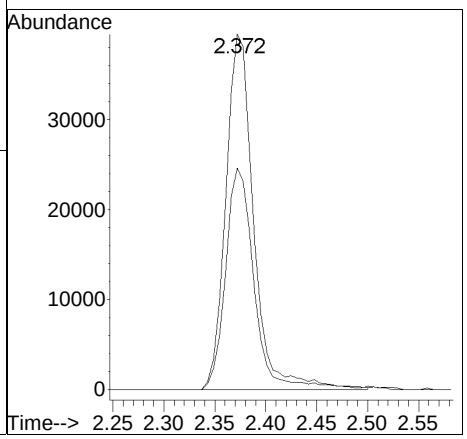


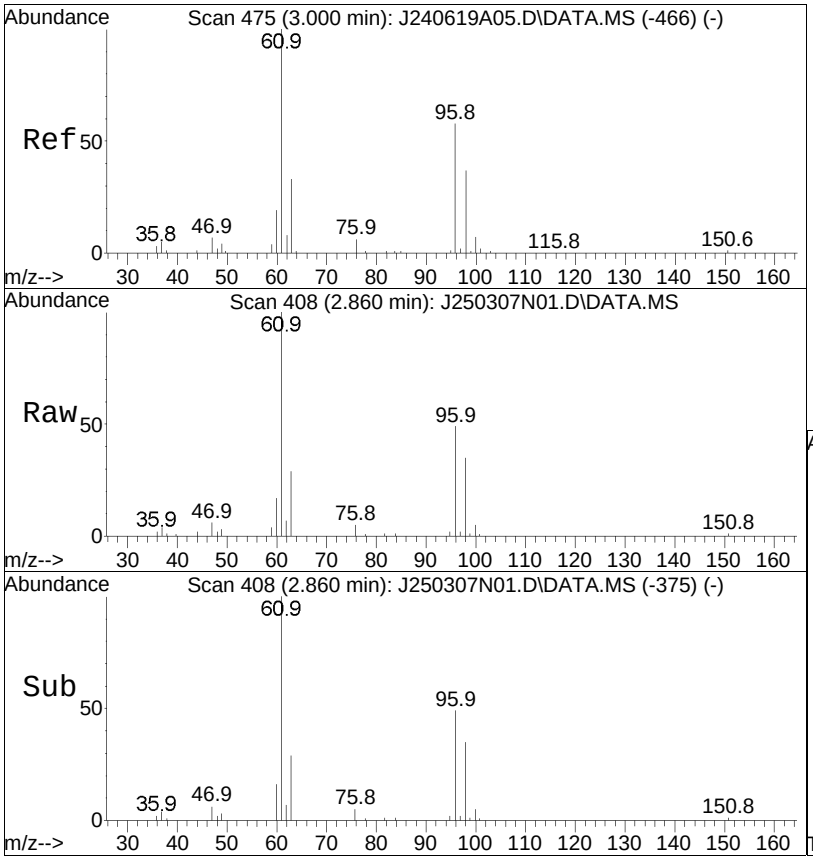


#7
Trichlorofluoromethane
Concen: 10.16 ug/L
RT: 2.372 min Scan# 324
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:101 Resp: 75240

Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.4

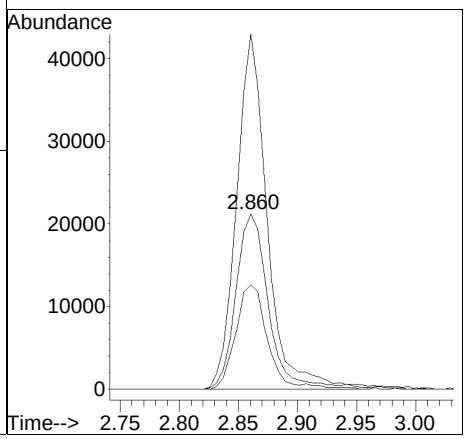


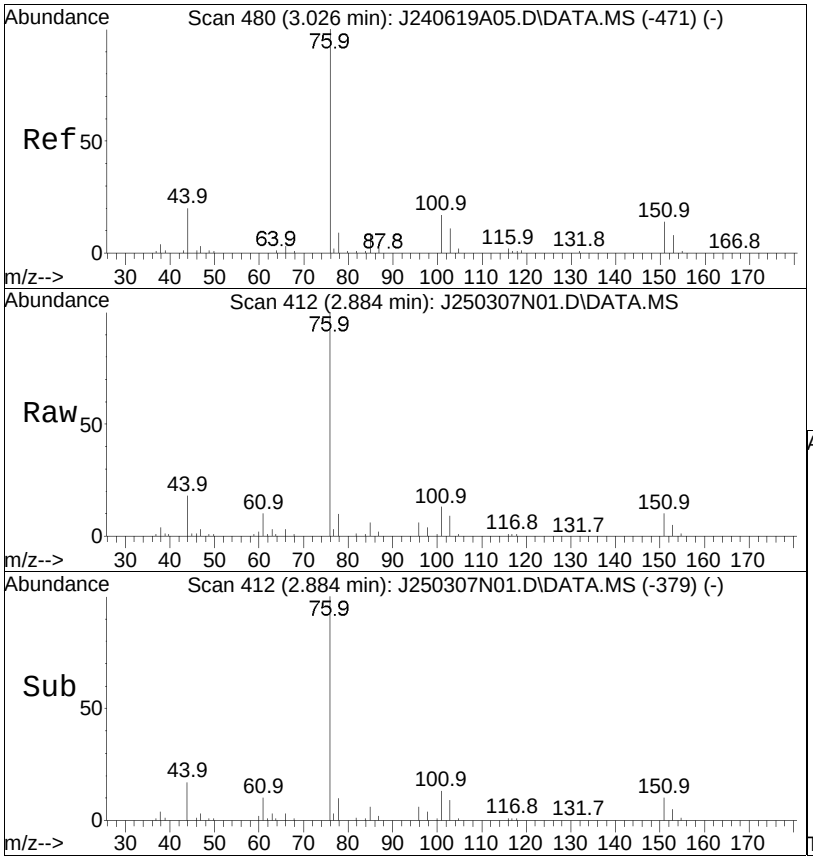


#10
1,1-Dichloroethene
Concen: 9.98 ug/L
RT: 2.860 min Scan# 408
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 96 Resp: 41078

Ion	Ratio	Lower	Upper
96	100		
61	191.3	165.5	248.3
63	58.3	51.9	77.9

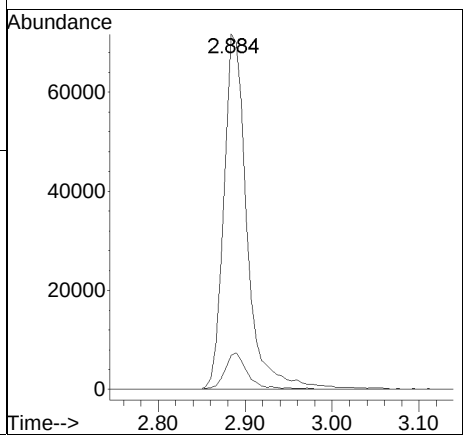


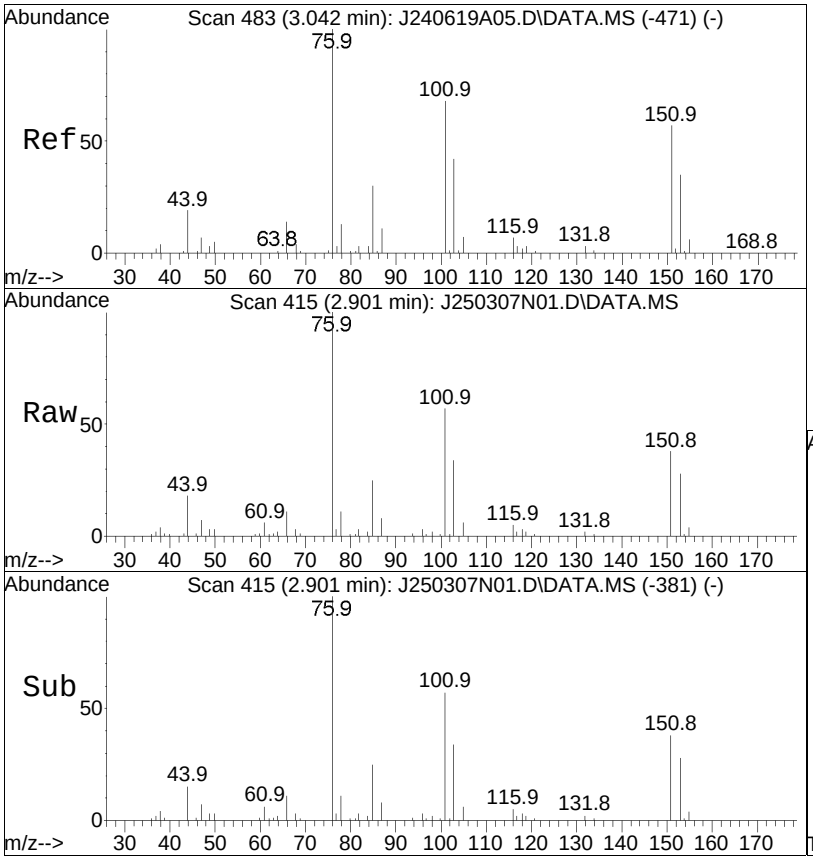


#11
Carbon disulfide
Concen: 10.61 ug/L
RT: 2.884 min Scan# 412
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 76 Resp: 133927

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

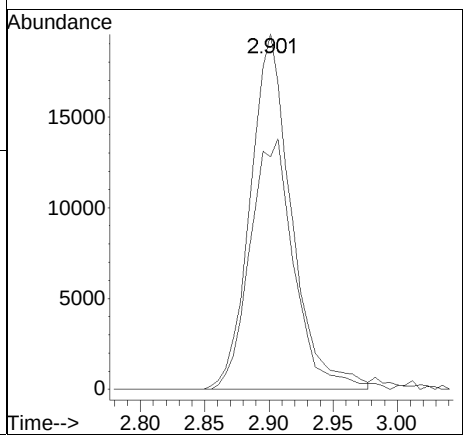


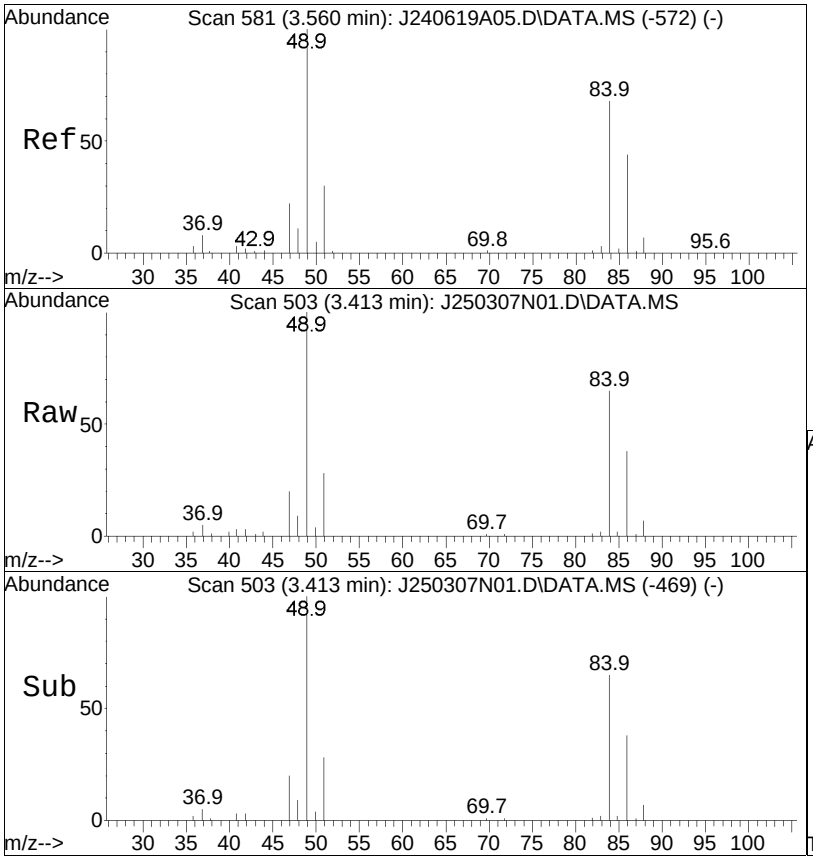


#12
Freon-113
Concen: 9.85 ug/L
RT: 2.901 min Scan# 415
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:101 Resp: 43733

Ion	Ratio	Lower	Upper
101	100		
151	75.7	51.9	77.9

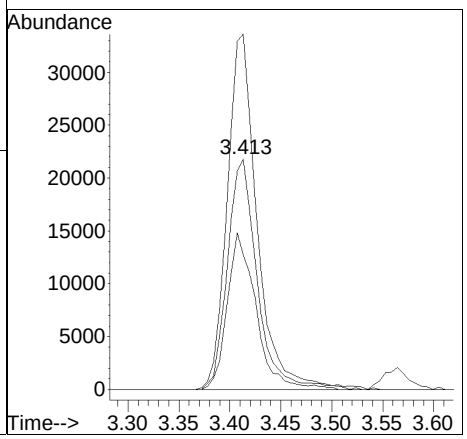


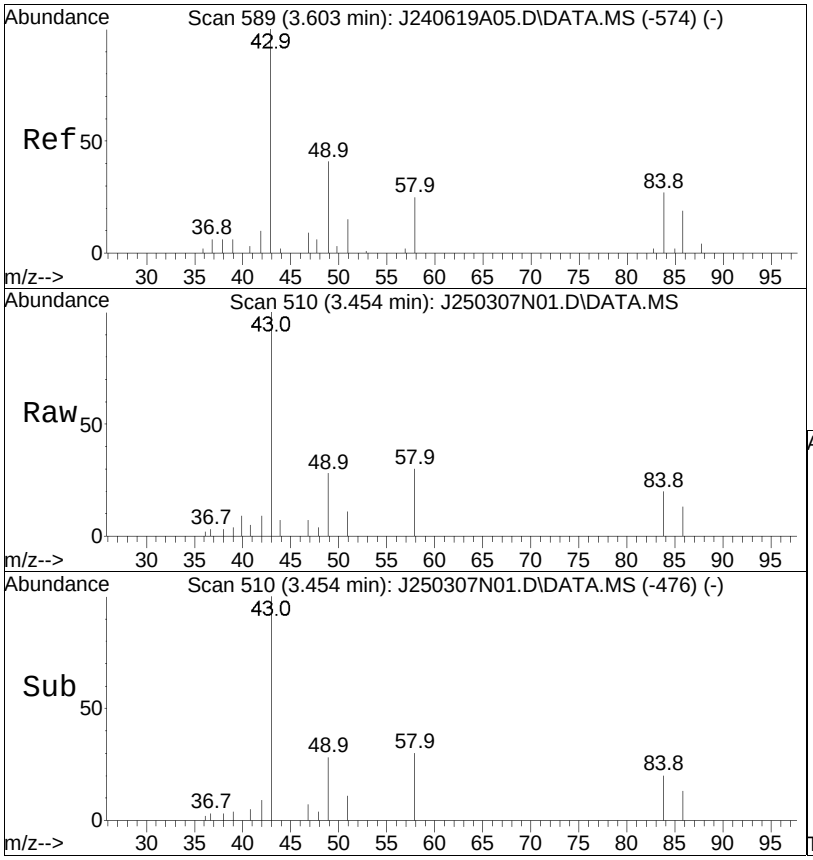


#15
Methylene chloride
Concen: 9.94 ug/L
RT: 3.413 min Scan# 503
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 84 Resp: 44335

Ion	Ratio	Lower	Upper
84	100		
86	65.7	41.7	86.5
49	154.9	103.9	215.9

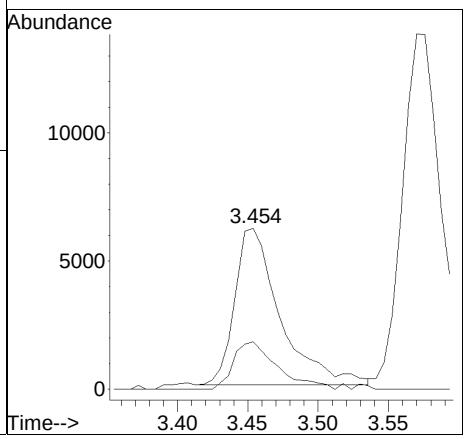


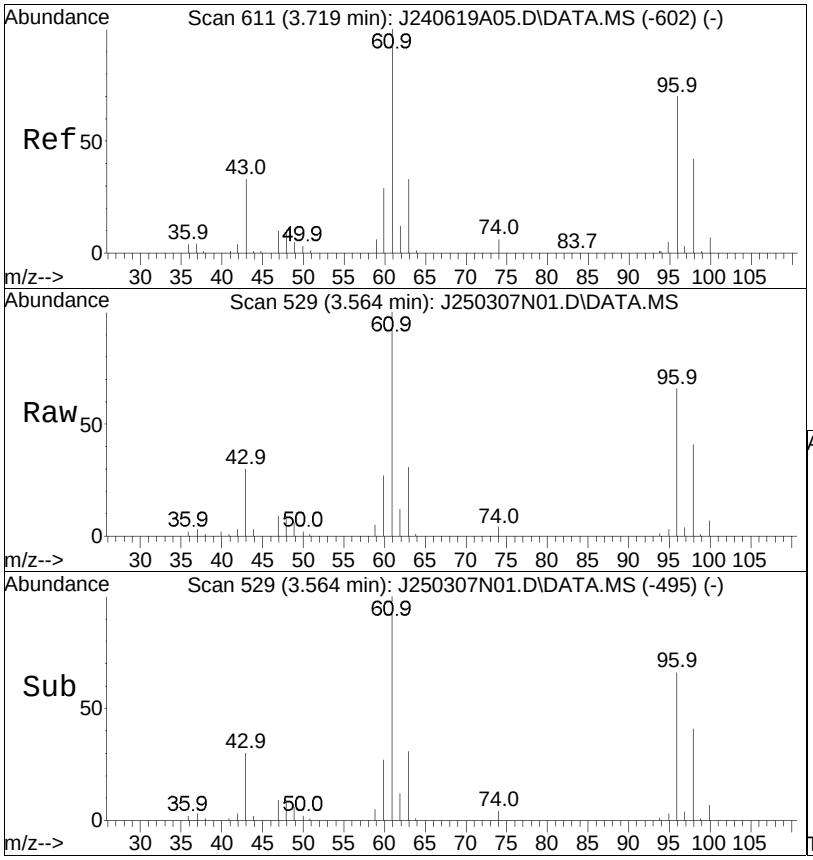


#17
Acetone
Concen: 9.95 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 43 Resp: 13825

Ion	Ratio	Lower	Upper
43	100		
58	29.3	20.1	30.1

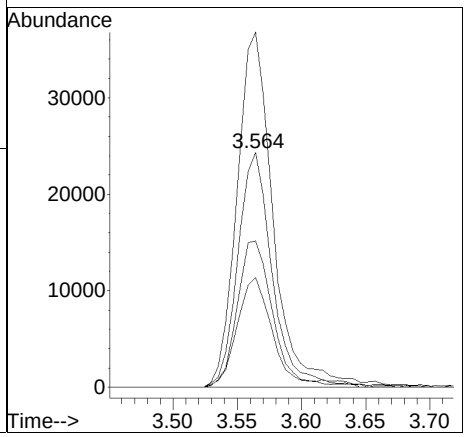


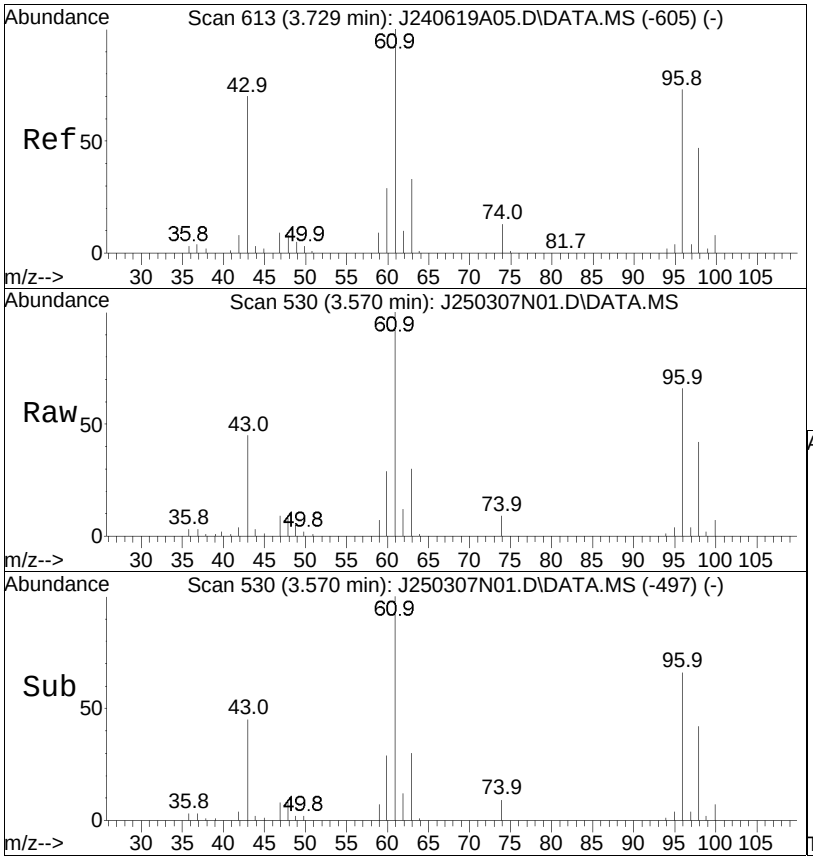


#18
trans-1,2-Dichloroethene
Concen: 10.33 ug/L
RT: 3.564 min Scan# 529
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 96 Resp: 45944

Ion	Ratio	Lower	Upper
96	100		
61	159.3	113.6	236.0
98	64.9	40.8	84.8
63	47.6	36.5	75.7

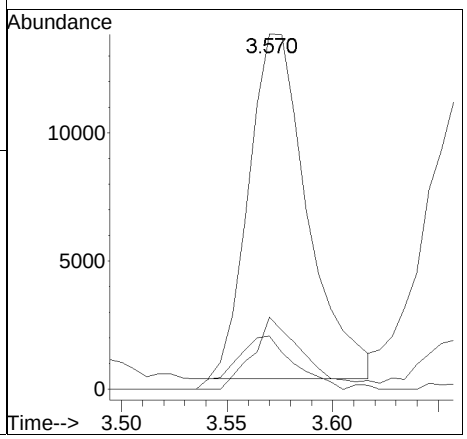


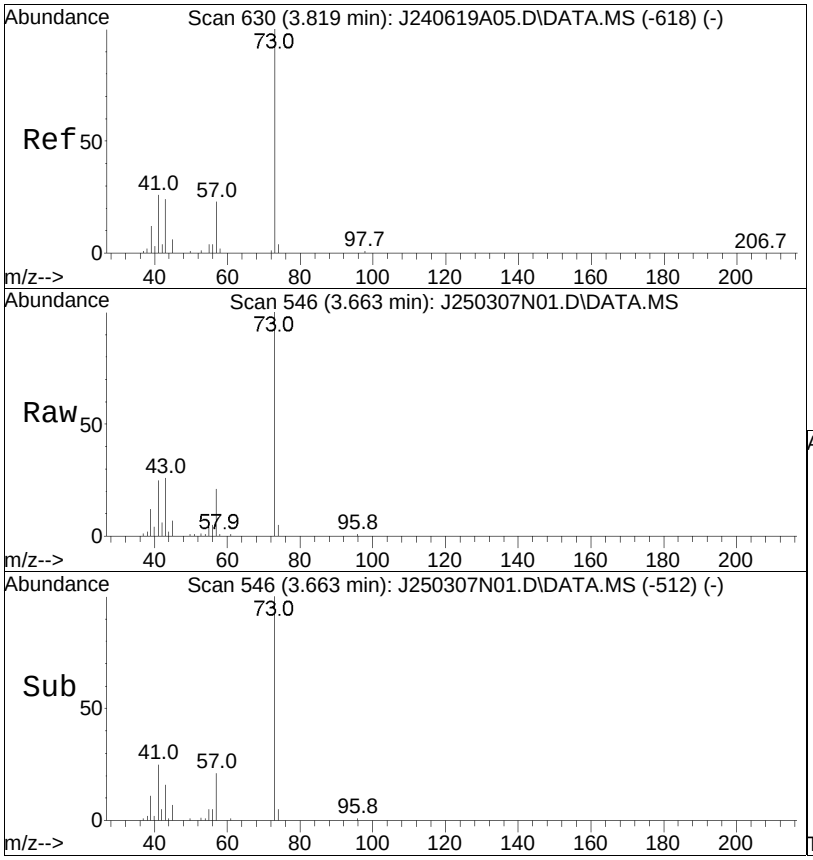


#19
Methyl acetate
Concen: 8.66 ug/L
RT: 3.570 min Scan# 530
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 43 Resp: 26121

Ion	Ratio	Lower	Upper
43	100		
74	18.5	14.6	22.0
59	15.3	9.3	13.9#

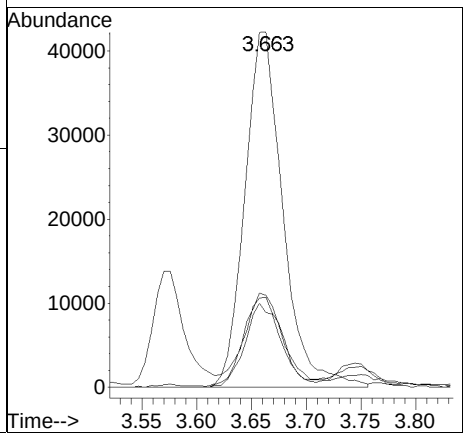


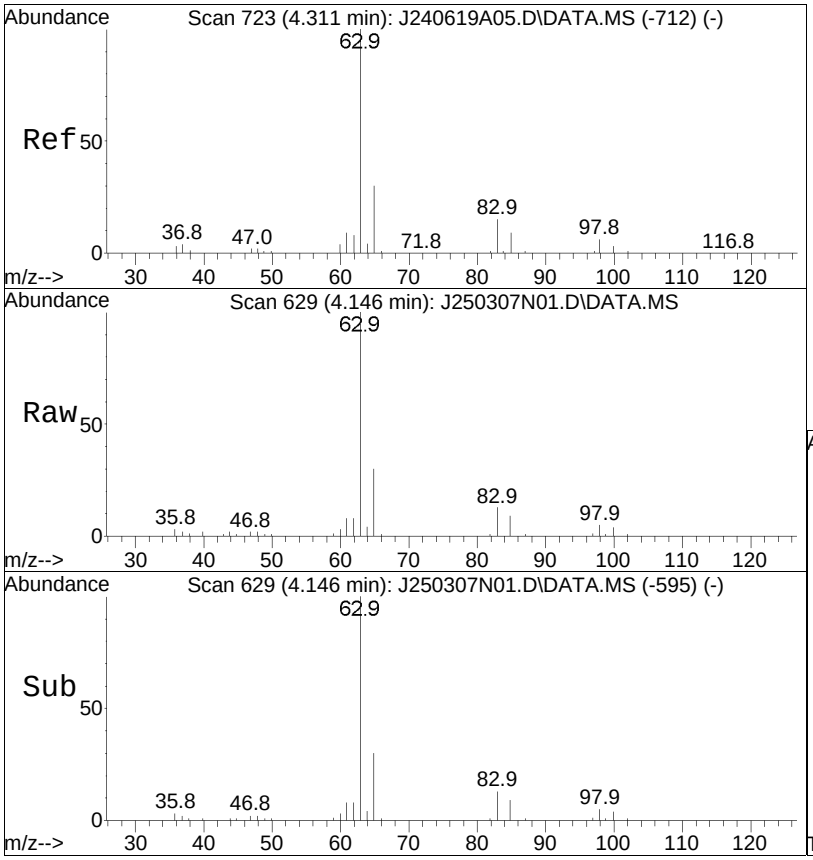


#21
Methyl tert-butyl ether
Concen: 8.34 ug/L
RT: 3.663 min Scan# 546
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 73 Resp: 102500

Ion	Ratio	Lower	Upper
73	100		
57	22.8	15.5	32.1
43	26.0	16.6	34.6
41	26.1	17.2	35.6

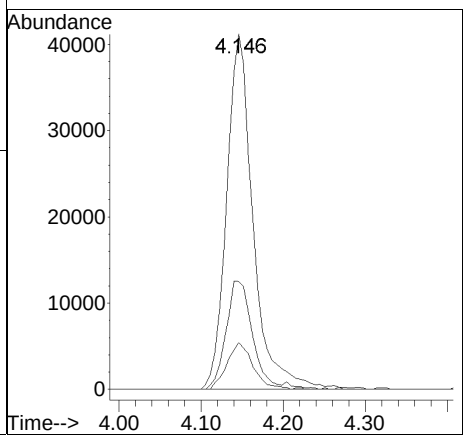


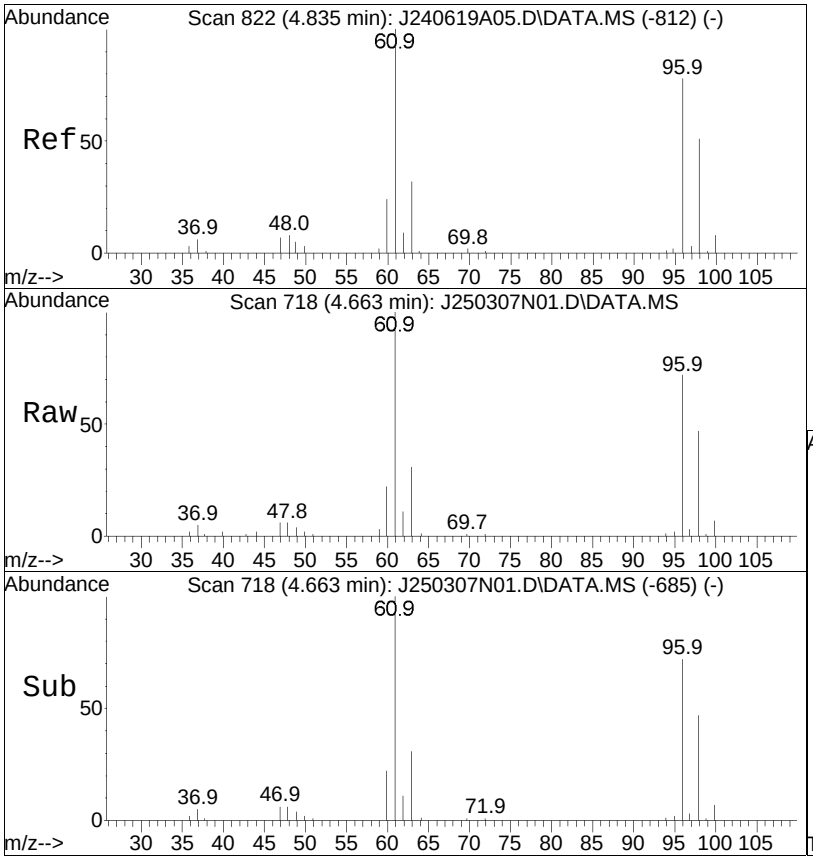


#25
1,1-Dichloroethane
Concen: 10.49 ug/L
RT: 4.146 min Scan# 629
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 63 Resp: 92956

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.5	36.7
83	12.9	8.9	13.3

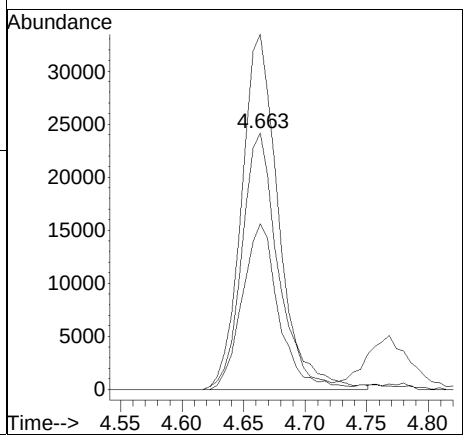


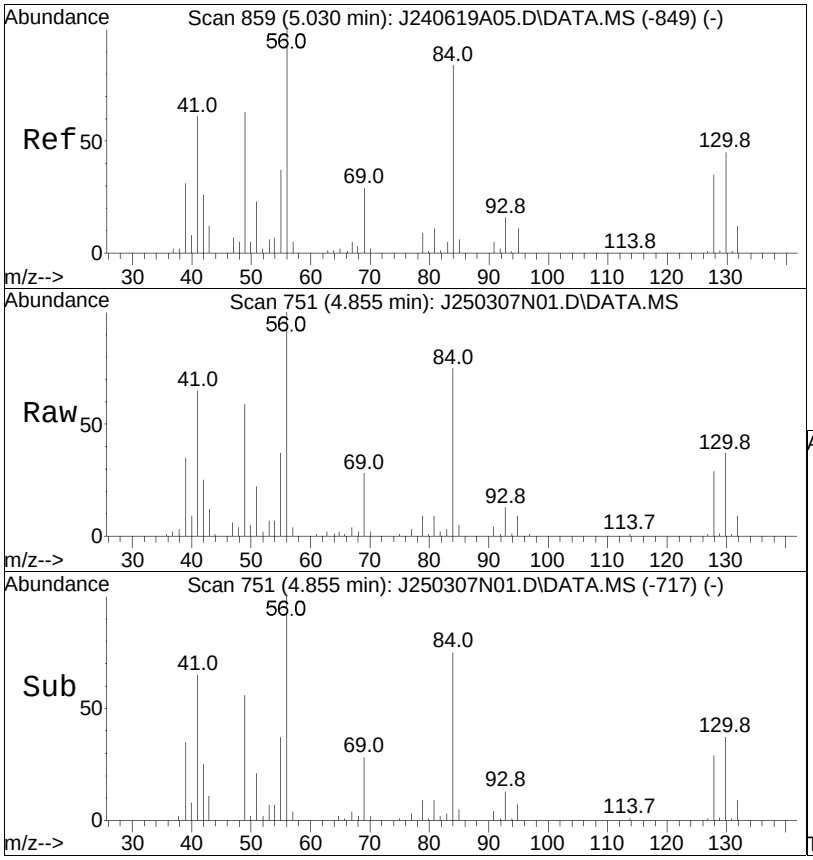


#30
cis-1,2-Dichloroethene
Concen: 10.17 ug/L
RT: 4.663 min Scan# 718
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 96 Resp: 49888

Ion	Ratio	Lower	Upper
96	100		
61	139.0	129.3	193.9
98	64.7	51.4	77.2

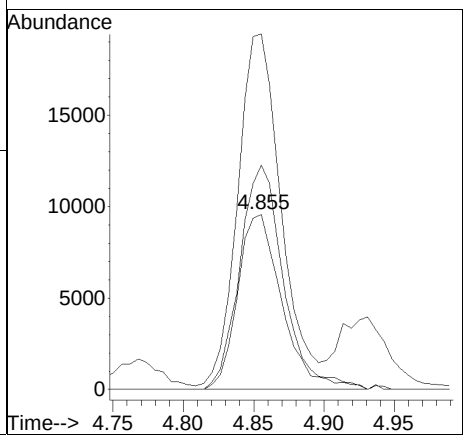


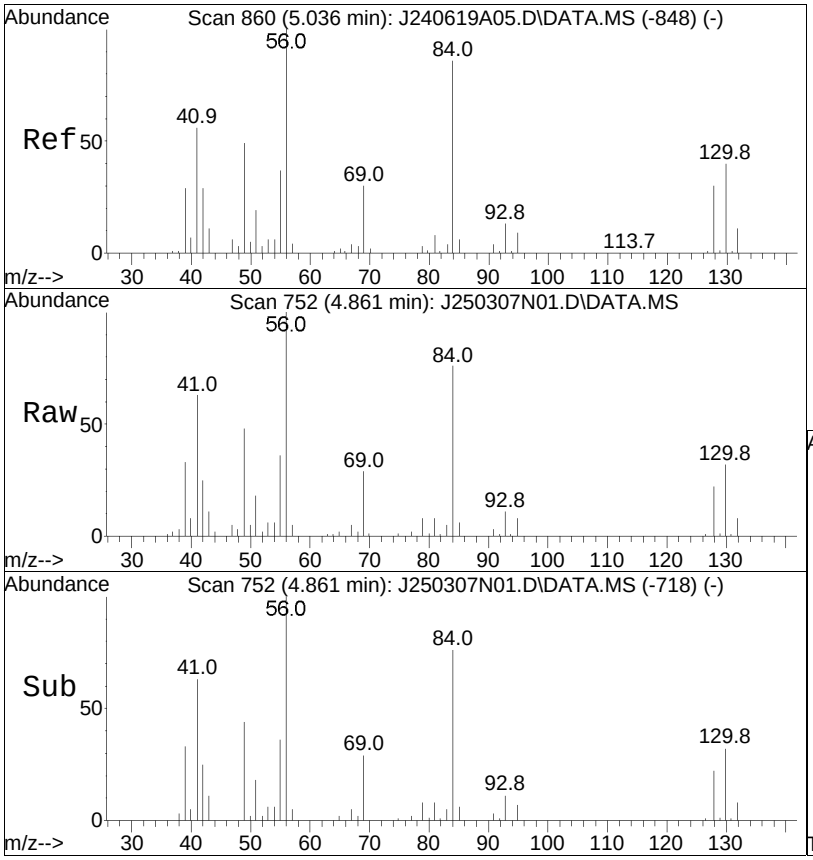


#33
Bromochloromethane
Concen: 9.56 ug/L
RT: 4.855 min Scan# 751
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:128 Resp: 21004

Ion	Ratio	Lower	Upper
128	100		
49	198.7	214.8	322.2#
130	126.3	105.4	158.2

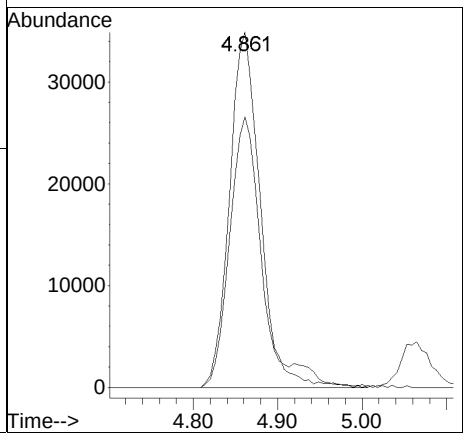


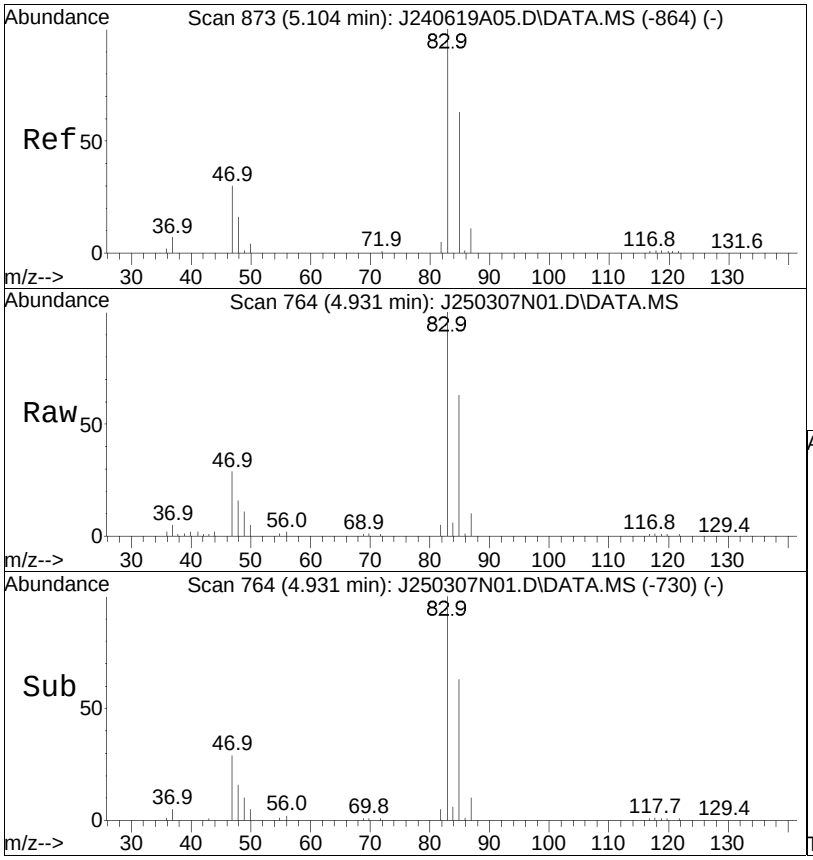


#34
Cyclohexane
Concen: 9.62 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 56 Resp: 88399

Ion	Ratio	Lower	Upper
56	100		
84	75.5	49.9	103.5

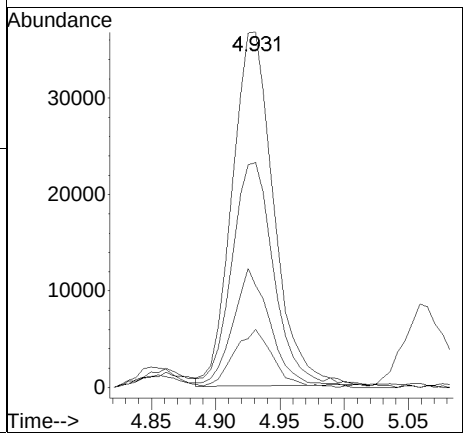


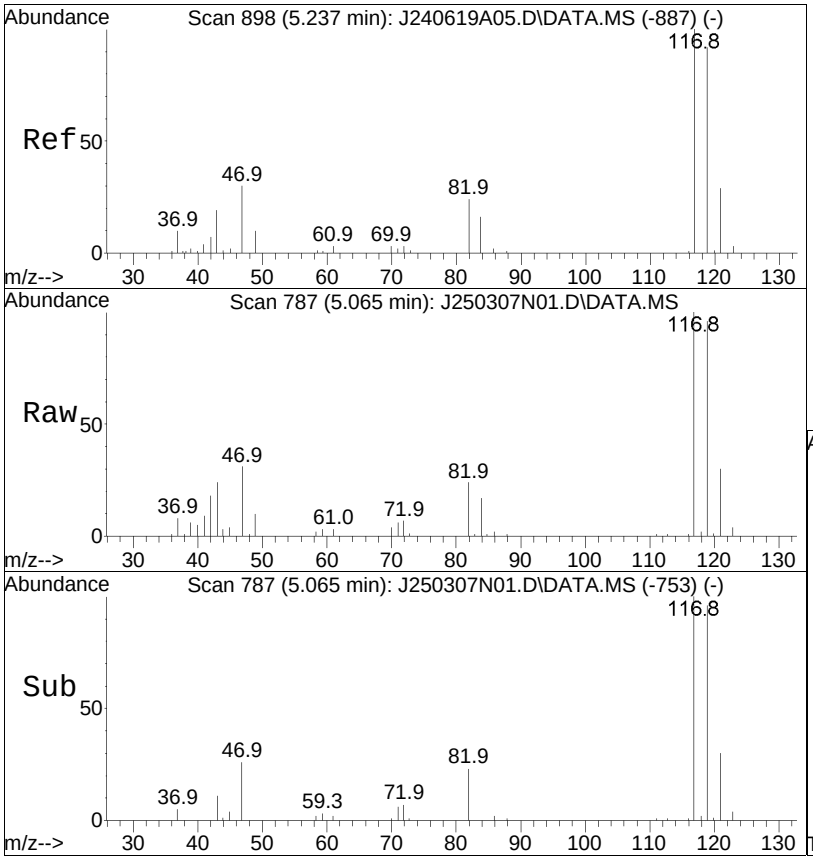


#35
Chloroform
Concen: 9.93 ug/L
RT: 4.931 min Scan# 764
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 83 Resp: 82752

Ion	Ratio	Lower	Upper
83	100		
85	66.0	41.4	86.0
47	29.8	20.5	42.5
48	15.6	9.9	20.5

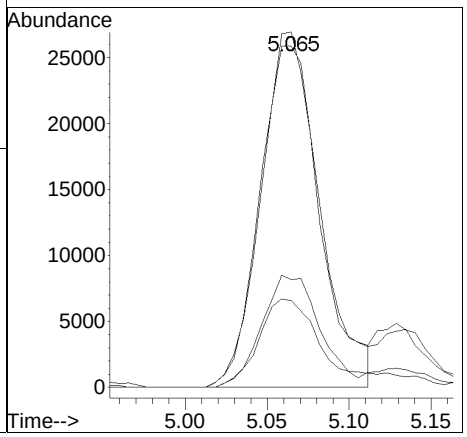


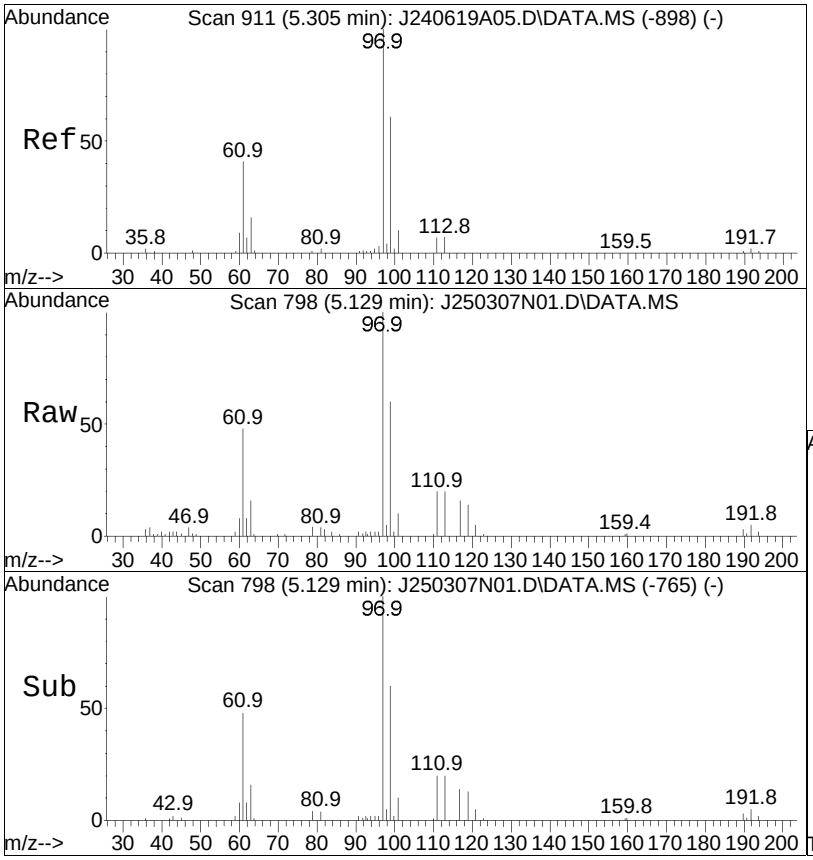


#37
Carbon tetrachloride
Concen: 10.27 ug/L
RT: 5.065 min Scan# 787
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:117 Resp: 67267

Ion	Ratio	Lower	Upper
117	100		
119	97.2	62.0	128.8
121	31.1	19.6	40.6
82	29.2	18.8	39.0

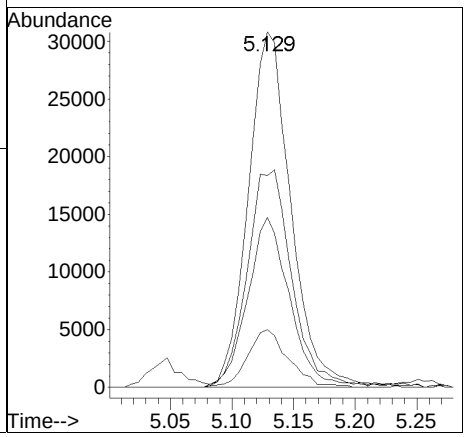


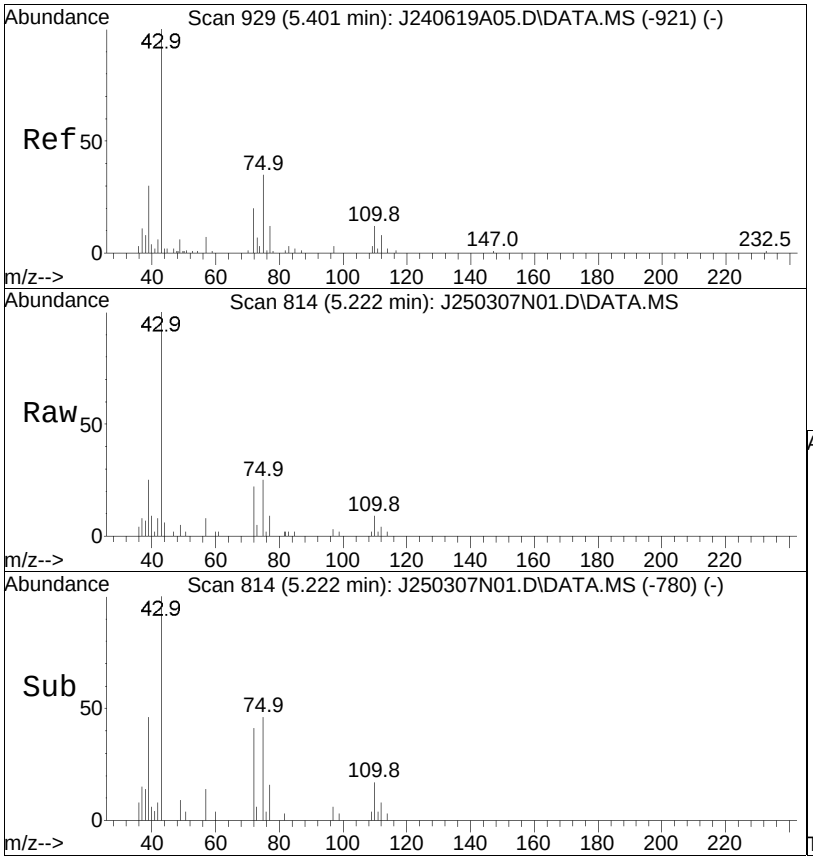


#40
1,1,1-Trichloroethane
Concen: 10.09 ug/L
RT: 5.129 min Scan# 798
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 97 Resp: 74307

Ion	Ratio	Lower	Upper
97	100		
99	63.6	40.6	84.4
61	47.3	35.0	72.8
63	15.7	11.1	23.0

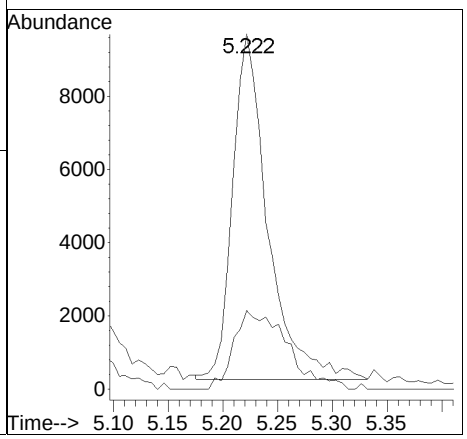


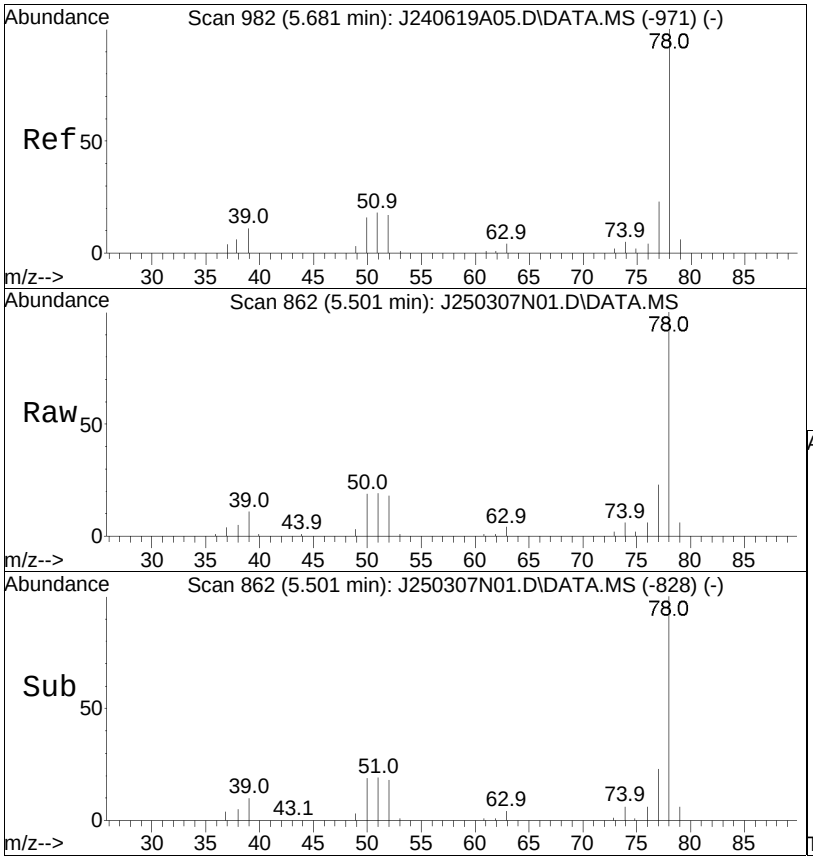


#42
2-Butanone
Concen: 9.69 ug/L
RT: 5.222 min Scan# 814
Delta R.T. -0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 43 Resp: 21060

Ion	Ratio	Lower	Upper
43	100		
72	34.8	18.2	27.4#

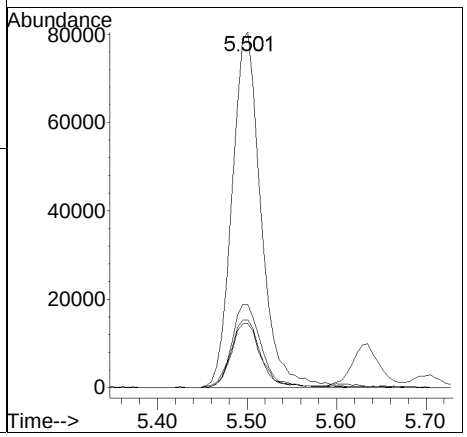


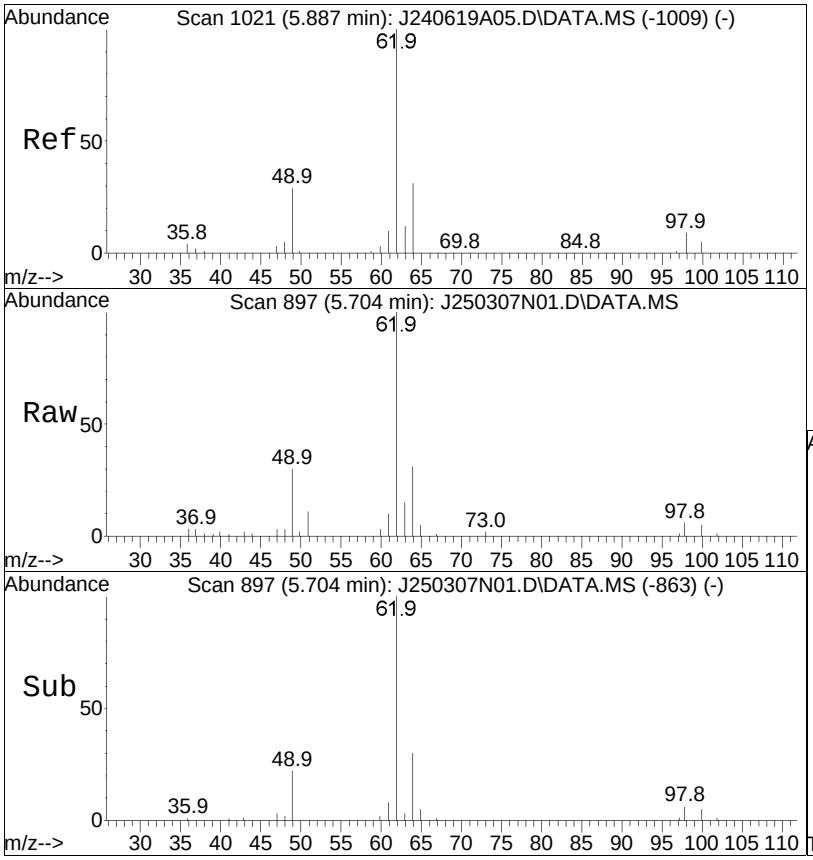


#45
Benzene
Concen: 9.95 ug/L
RT: 5.501 min Scan# 862
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 78 Resp: 181412

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.6	32.4
51	19.3	12.9	26.7
52	18.2	12.4	25.7

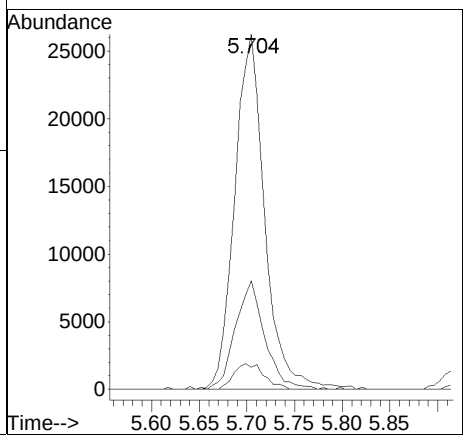


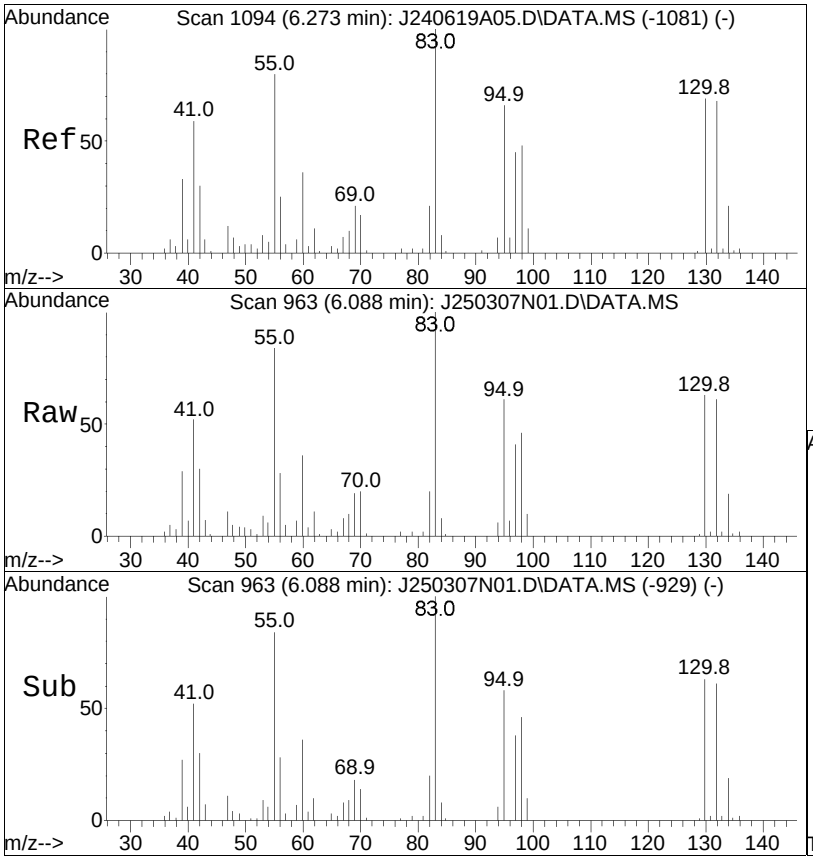


#48
1,2-Dichloroethane
Concen: 8.99 ug/L
RT: 5.704 min Scan# 897
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 62 Resp: 57591

Ion	Ratio	Lower	Upper
62	100		
64	30.0	25.5	38.3
98	7.4	5.5	8.3

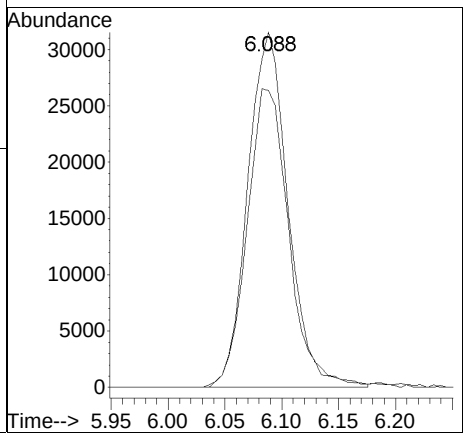


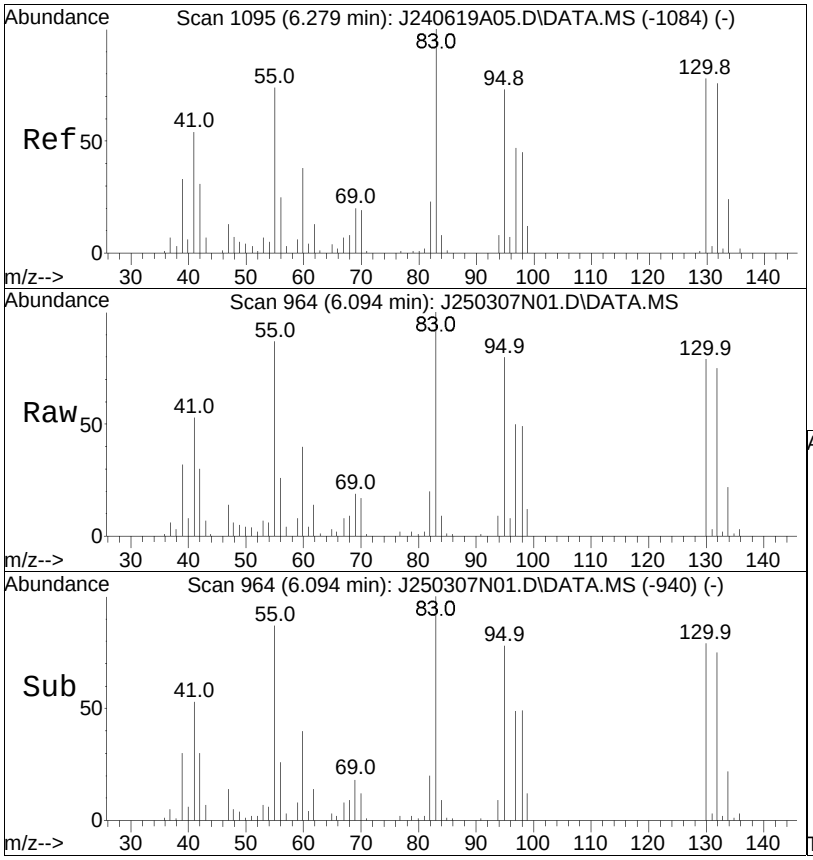


#51
Methyl cyclohexane
Concen: 9.22 ug/L
RT: 6.088 min Scan# 963
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 83 Resp: 78221

Ion	Ratio	Lower	Upper
83	100		
55	86.8	74.6	112.0

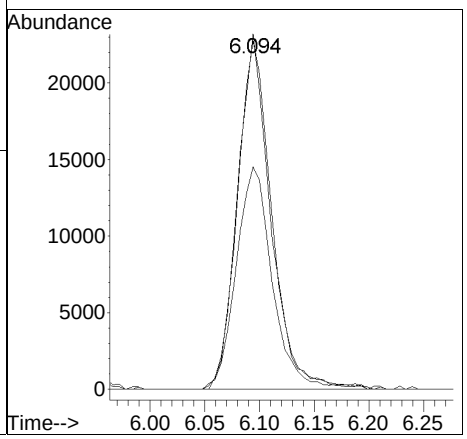


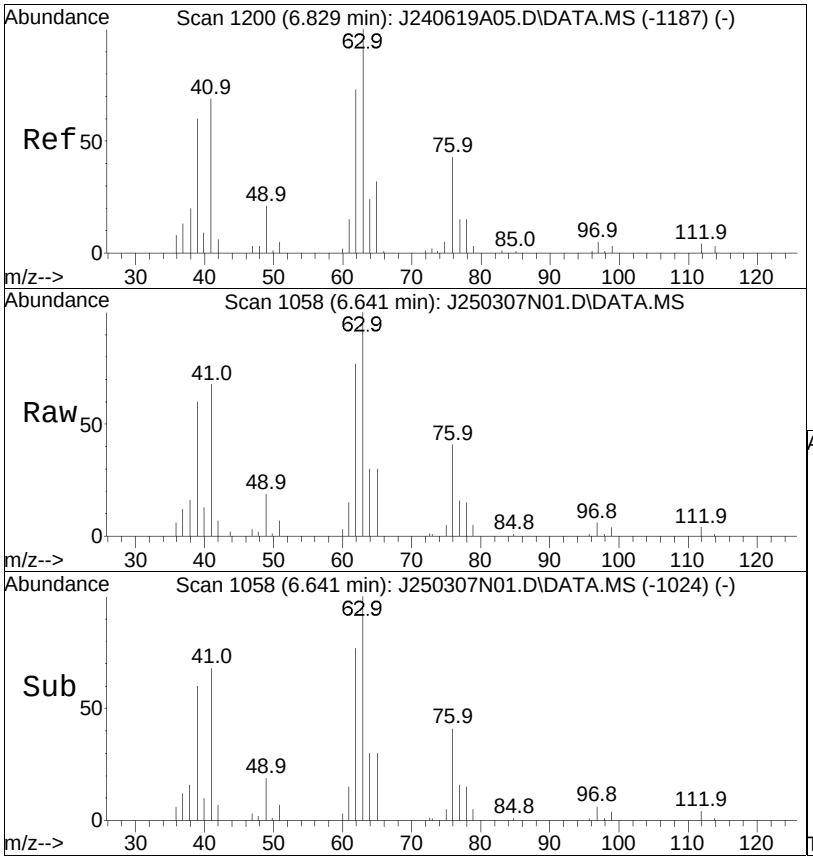


#52
Trichloroethene
Concen: 10.02 ug/L
RT: 6.094 min Scan# 964
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 95 Resp: 49051

Ion	Ratio	Lower	Upper
95	100		
97	68.1	53.8	80.6
130	101.0	71.4	107.0

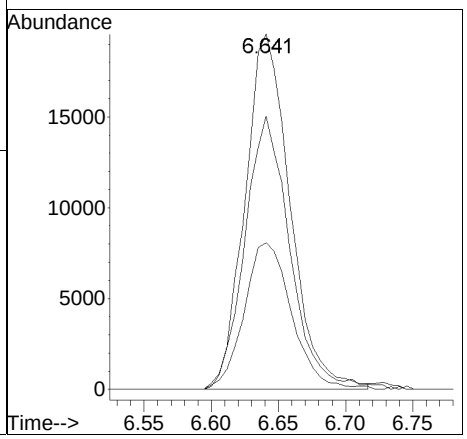


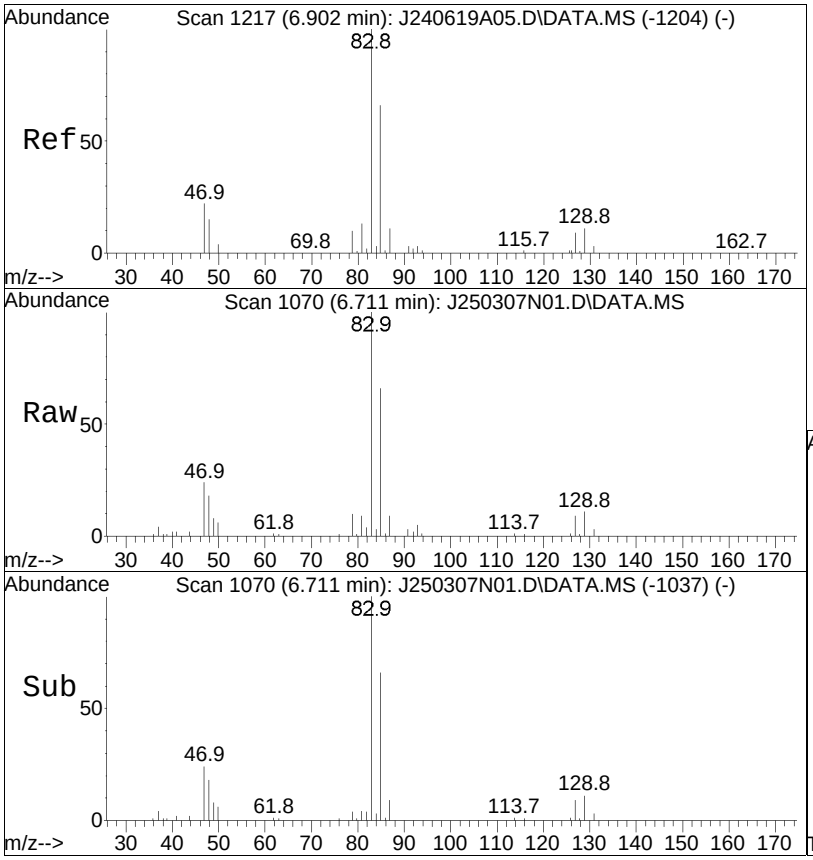


#55
1,2-Dichloropropane
Concen: 9.71 ug/L
RT: 6.641 min Scan# 1058
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 63 Resp: 45852

Ion	Ratio	Lower	Upper
63	100		
62	76.9	58.1	87.1
76	43.4	30.4	45.6

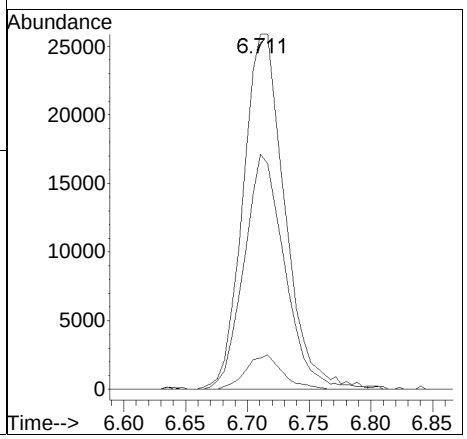


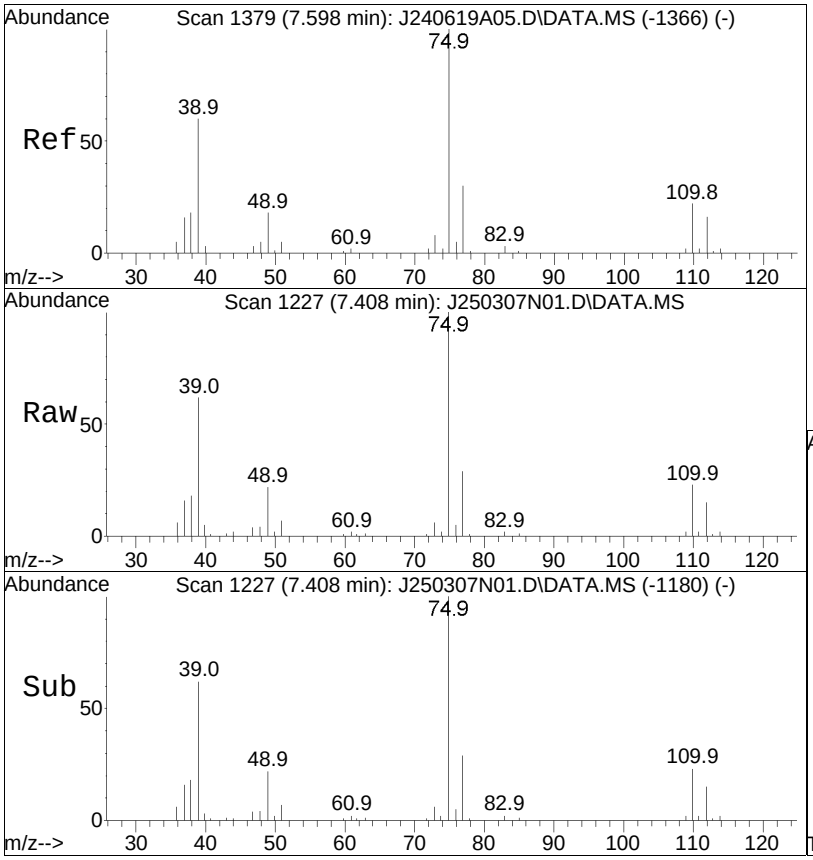


#58
Bromodichloromethane
Concen: 9.73 ug/L
RT: 6.711 min Scan# 1070
Delta R.T. -0.006 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 83 Resp: 60334

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.2	75.2
127	9.4	5.2	7.8#

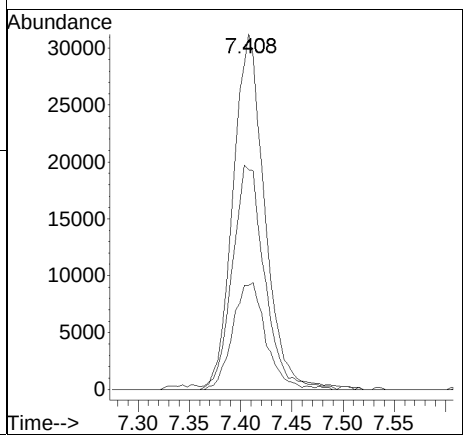


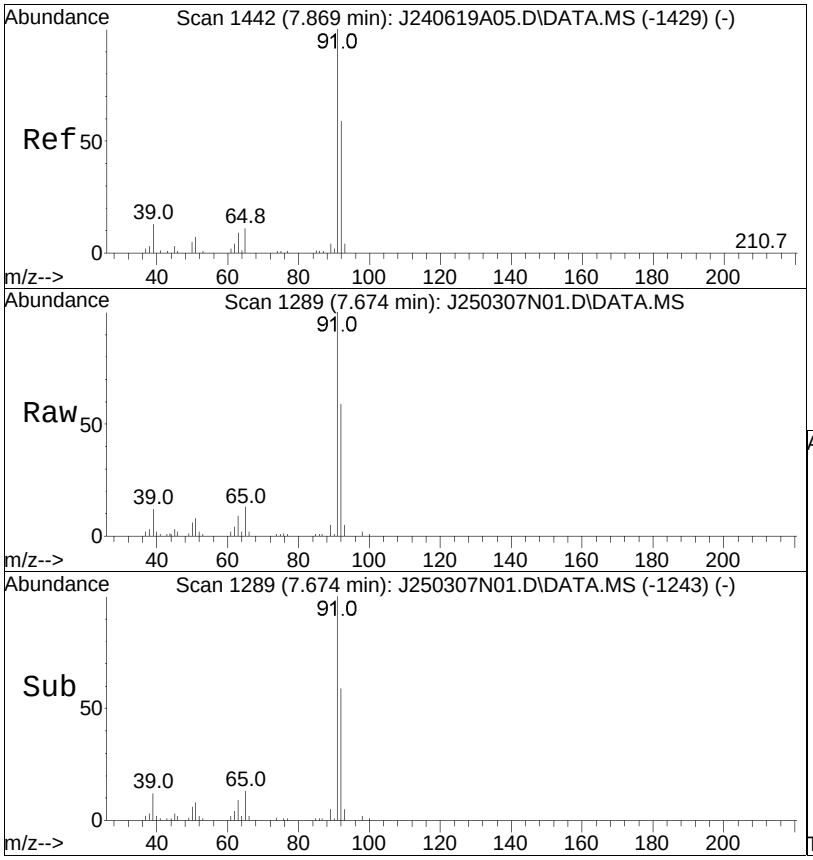


#62
cis-1,3-Dichloropropene
Concen: 9.14 ug/L
RT: 7.408 min Scan# 1227
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 75 Resp: 67417

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	64.2	54.6	82.0

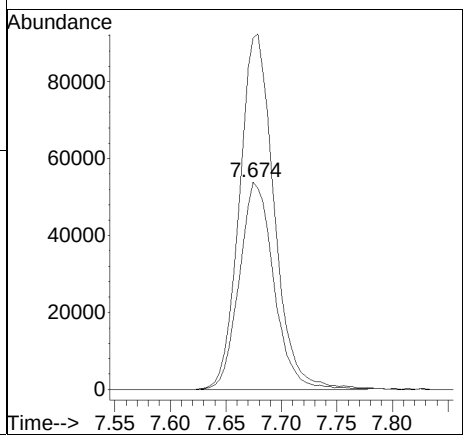


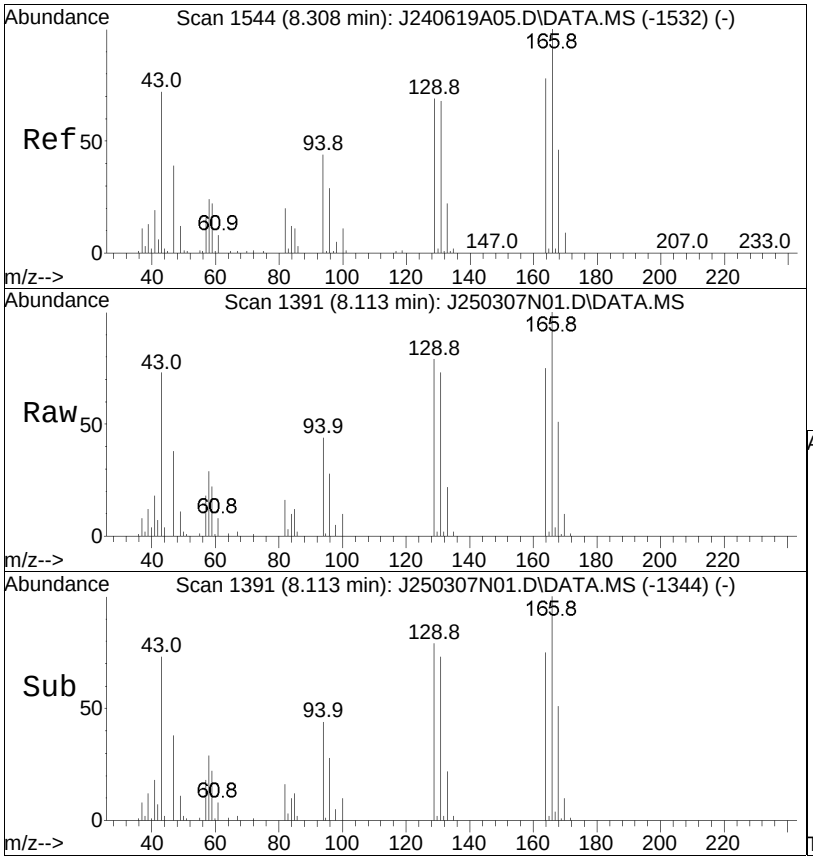


#65
Toluene
Concen: 10.18 ug/L
RT: 7.674 min Scan# 1289
Delta R.T. -0.004 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 92 Resp: 116518

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.5	206.3

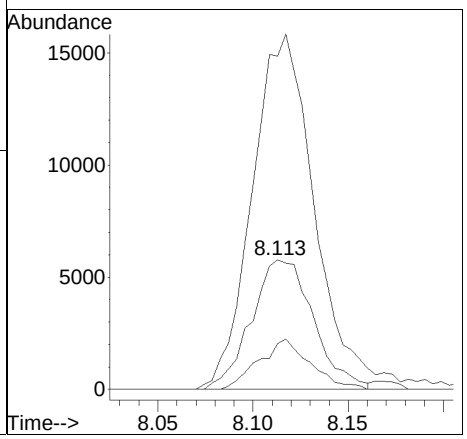


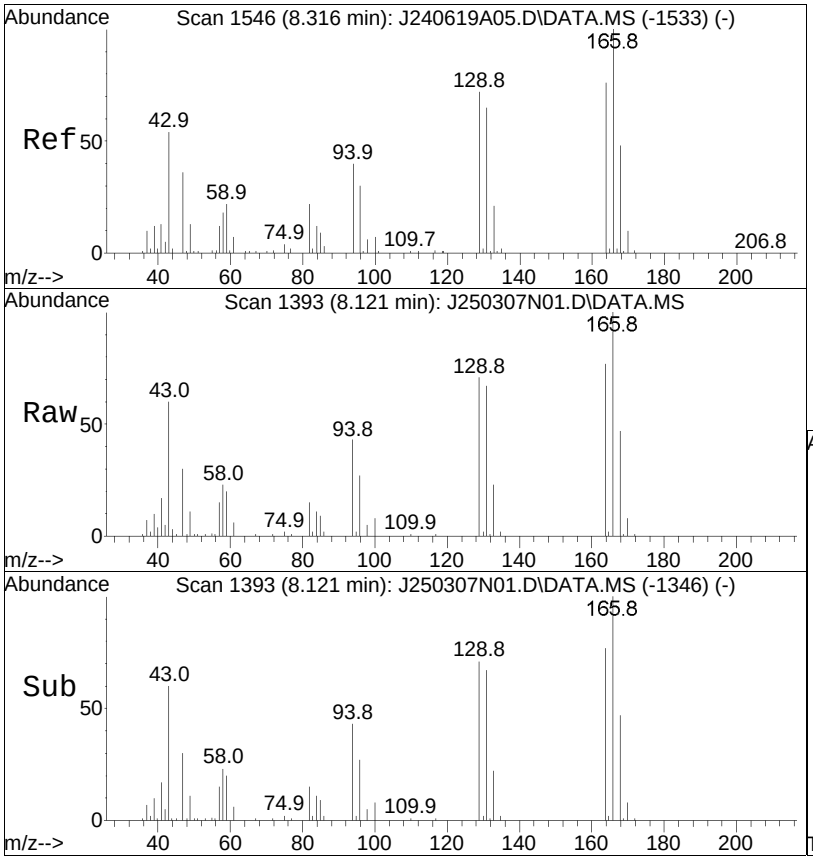


#66
4-Methyl-2-pentanone
Concen: 8.09 ug/L
RT: 8.113 min Scan# 1391
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 58 Resp: 13094

Ion	Ratio	Lower	Upper
58	100		
100	32.4	22.6	34.0
43	281.2	234.6	351.8

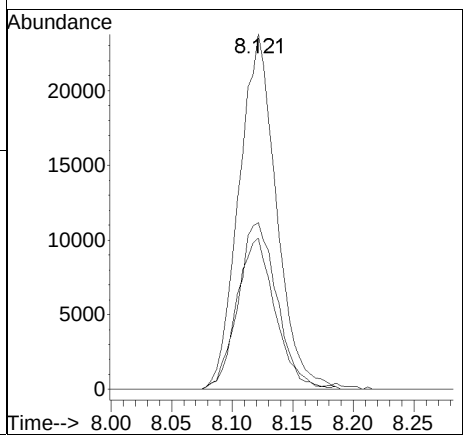


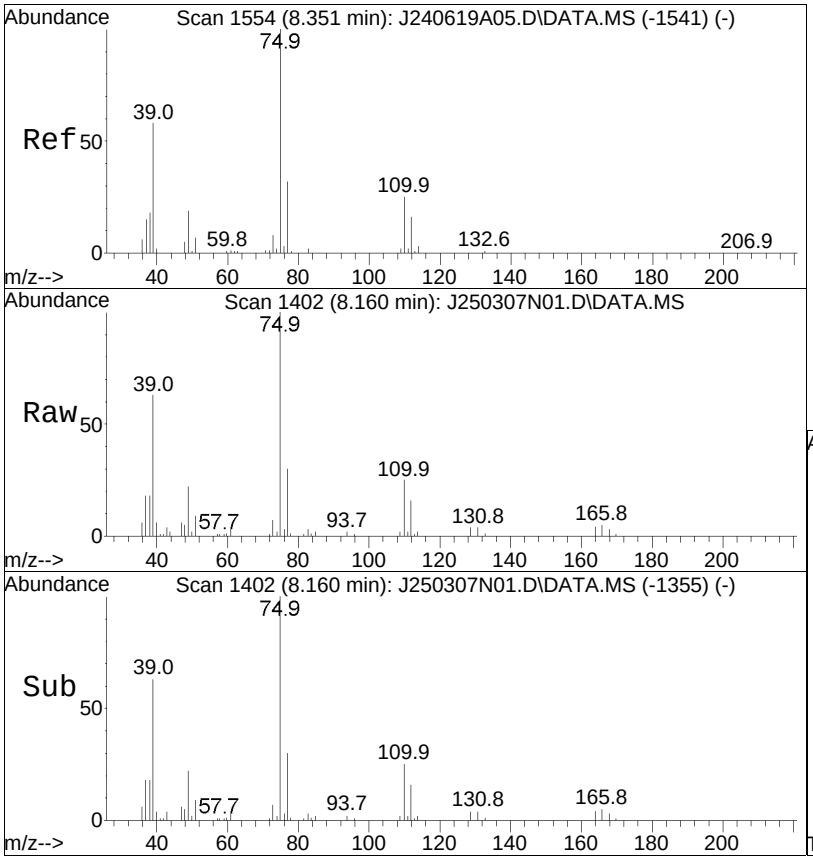


#67
Tetrachloroethene
Concen: 9.67 ug/L
RT: 8.121 min Scan# 1393
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:166 Resp: 51577

Ion	Ratio	Lower	Upper
166	100		
168	48.9	38.6	58.0
94	43.0	42.6	63.8

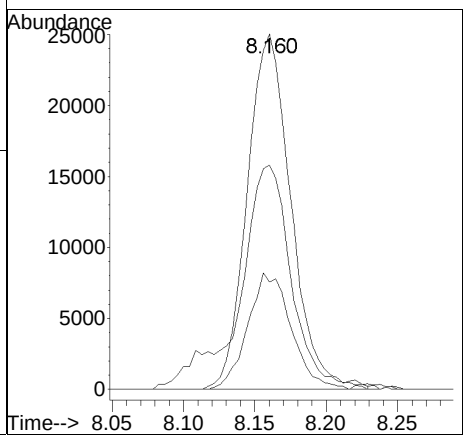


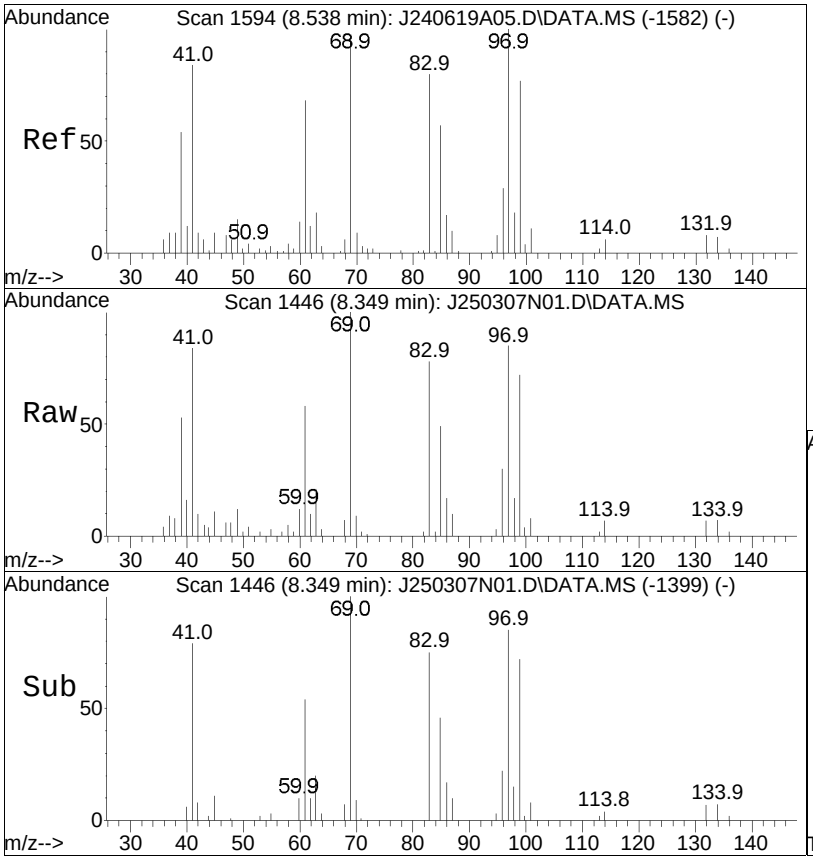


#69
trans-1,3-Dichloropropene
Concen: 8.33 ug/L
RT: 8.160 min Scan# 1402
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 75 Resp: 53480

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	75.1	60.2	90.4

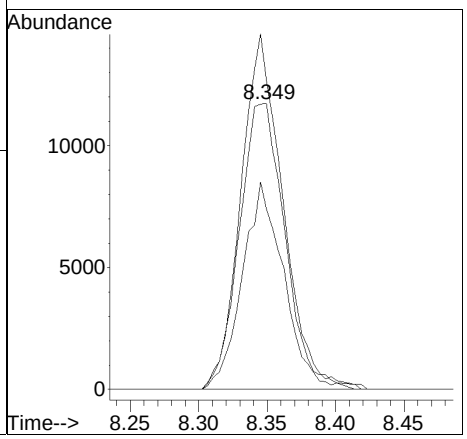


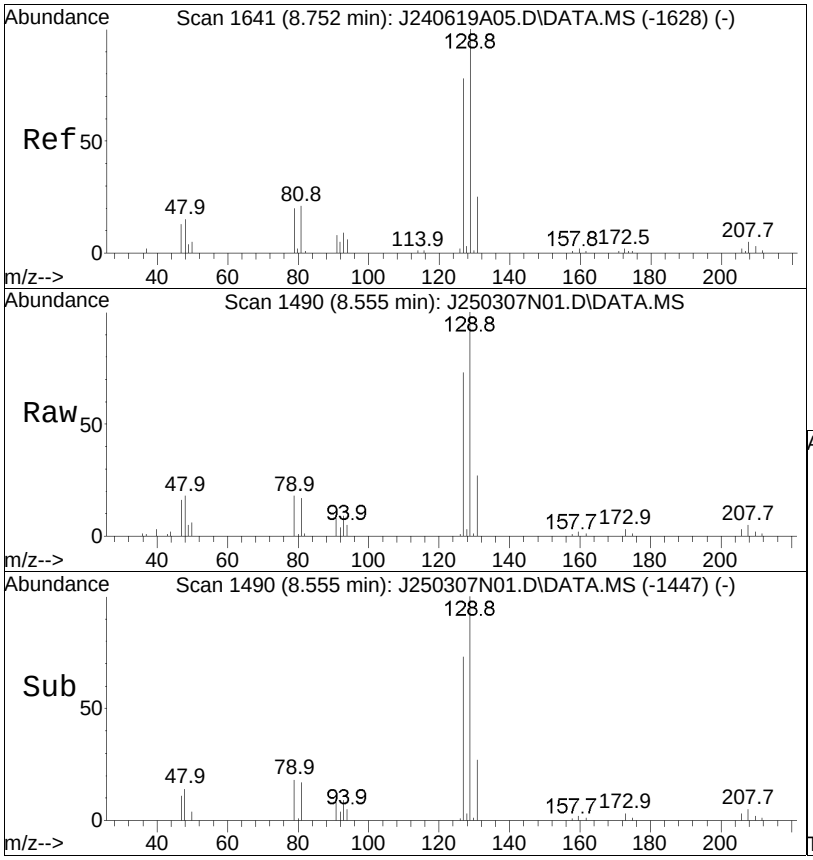


#72
1,1,2-Trichloroethane
Concen: 8.66 ug/L
RT: 8.349 min Scan# 1446
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 83 Resp: 29437

Ion	Ratio	Lower	Upper
83	100		
97	113.8	87.7	131.5
85	65.6	53.1	79.7

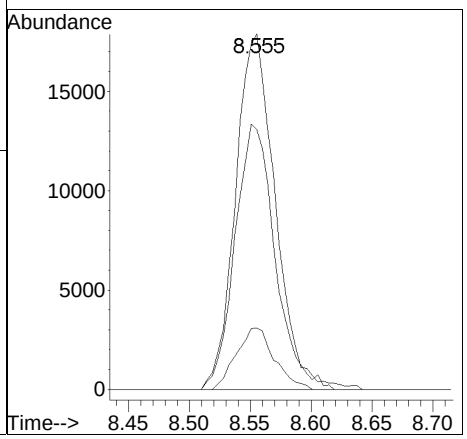


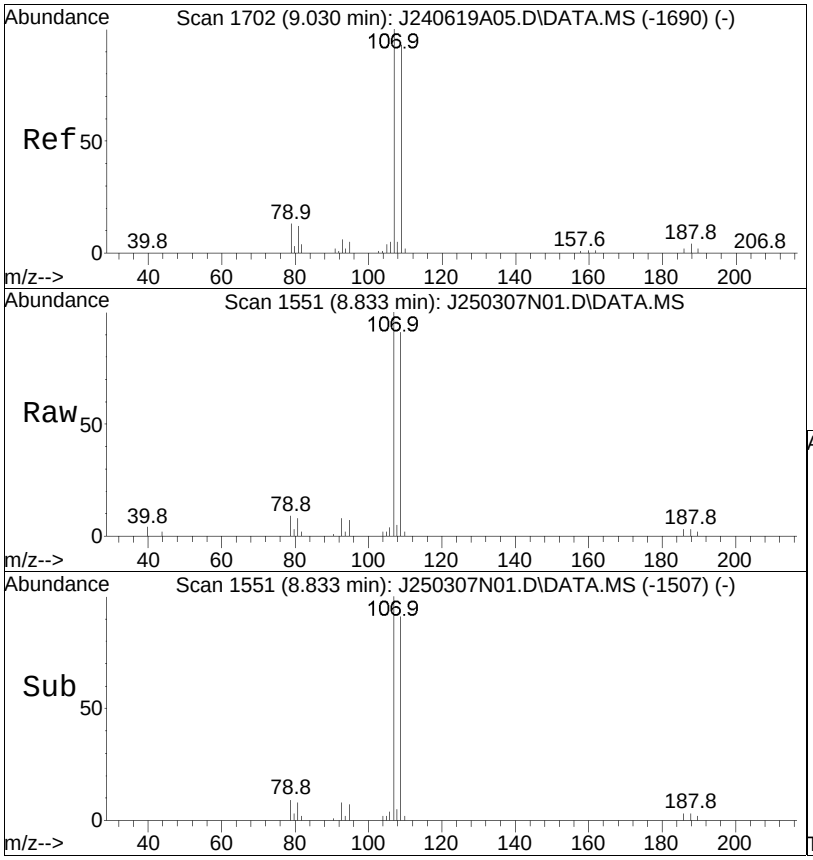


#73
Chlorodibromomethane
Concen: 8.57 ug/L
RT: 8.555 min Scan# 1490
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:129 Resp: 40621

Ion	Ratio	Lower	Upper
129	100		
81	16.6	14.6	22.0
127	75.0	62.6	93.8

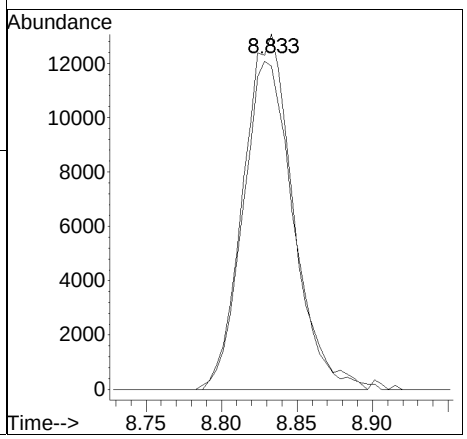


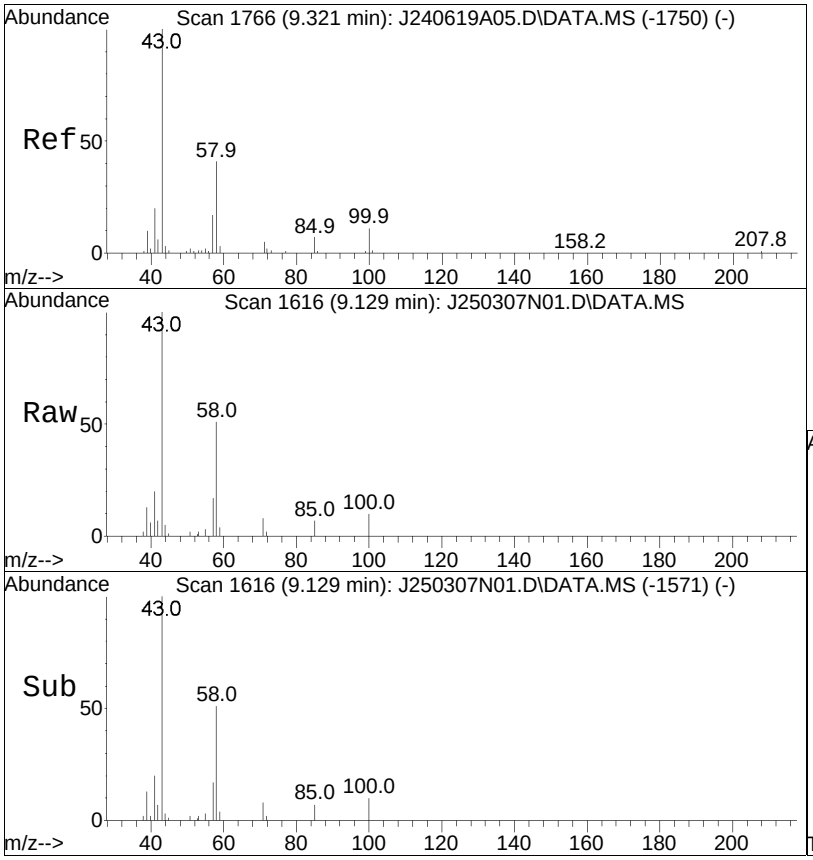


#75
1,2-Dibromoethane
Concen: 7.87 ug/L
RT: 8.833 min Scan# 1551
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:107 Resp: 30080

Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.0	112.4

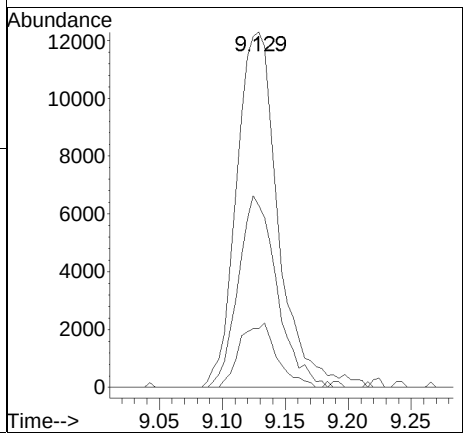


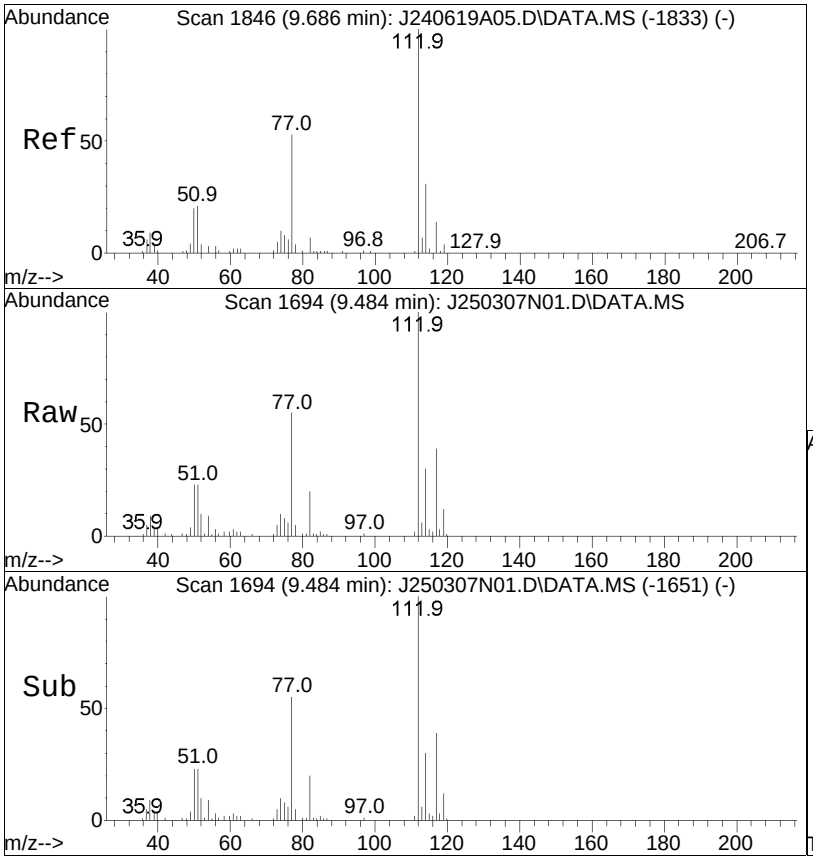


#77
2-Hexanone
Concen: 8.60 ug/L
RT: 9.129 min Scan# 1616
Delta R.T. 0.005 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 43 Resp: 28479

Ion	Ratio	Lower	Upper
43	100		
58	49.9	38.6	58.0
57	16.1	14.1	21.1

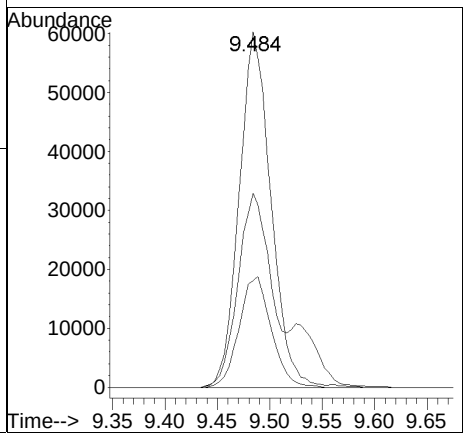


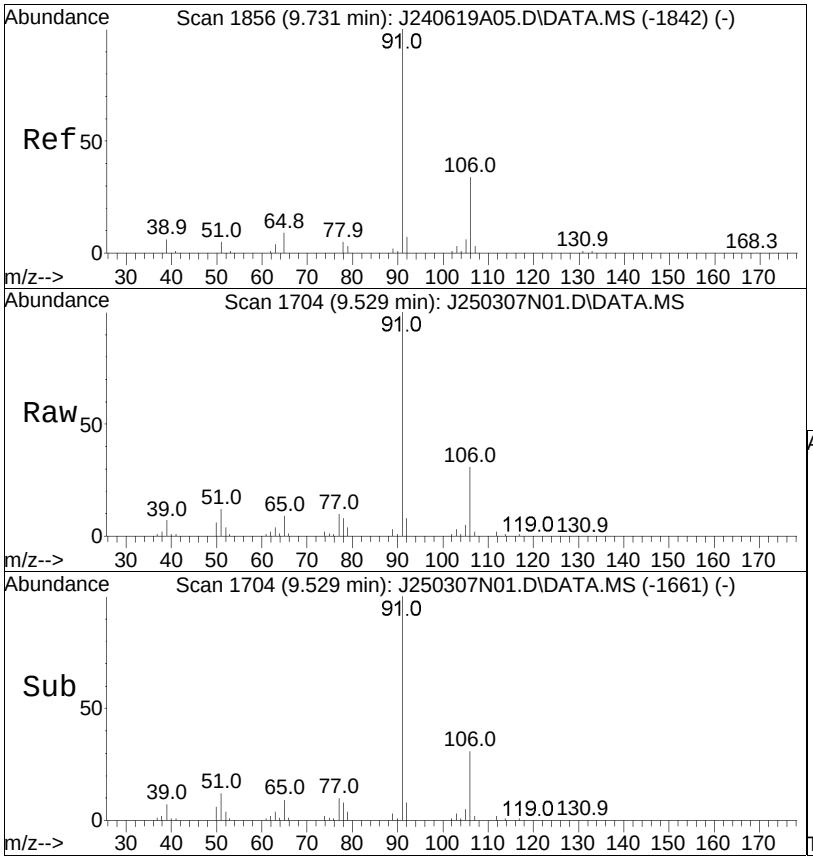


#78
Chlorobenzene
Concen: 10.05 ug/L
RT: 9.484 min Scan# 1694
Delta R.T. -0.004 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:112 Resp: 126811

Ion	Ratio	Lower	Upper
112	100		
77	56.9	54.8	82.2
114	31.7	25.4	38.0

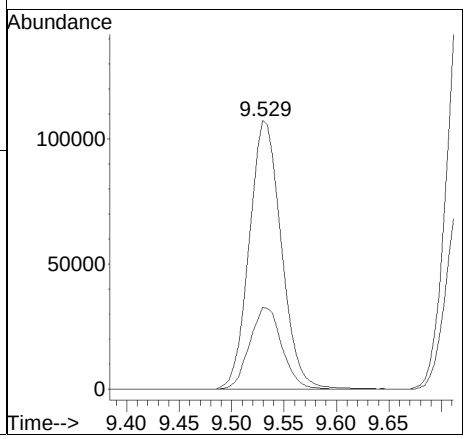


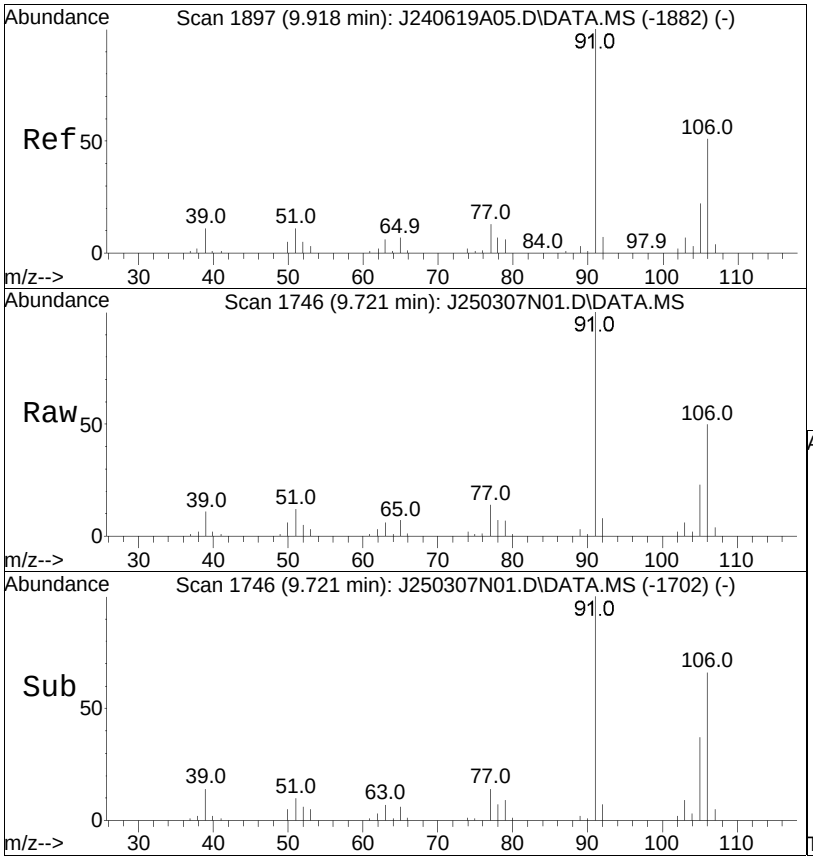


#79
Ethylbenzene
Concen: 10.08 ug/L
RT: 9.529 min Scan# 1704
Delta R.T. -0.004 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 91 Resp: 228876

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.4	35.2

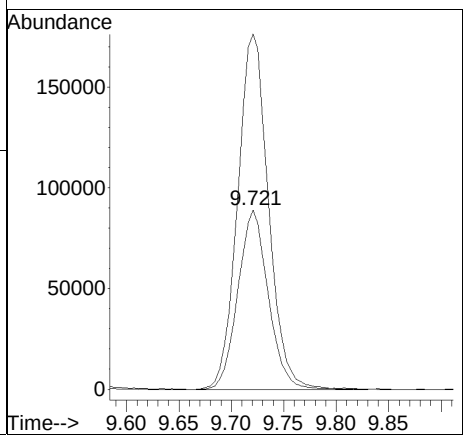


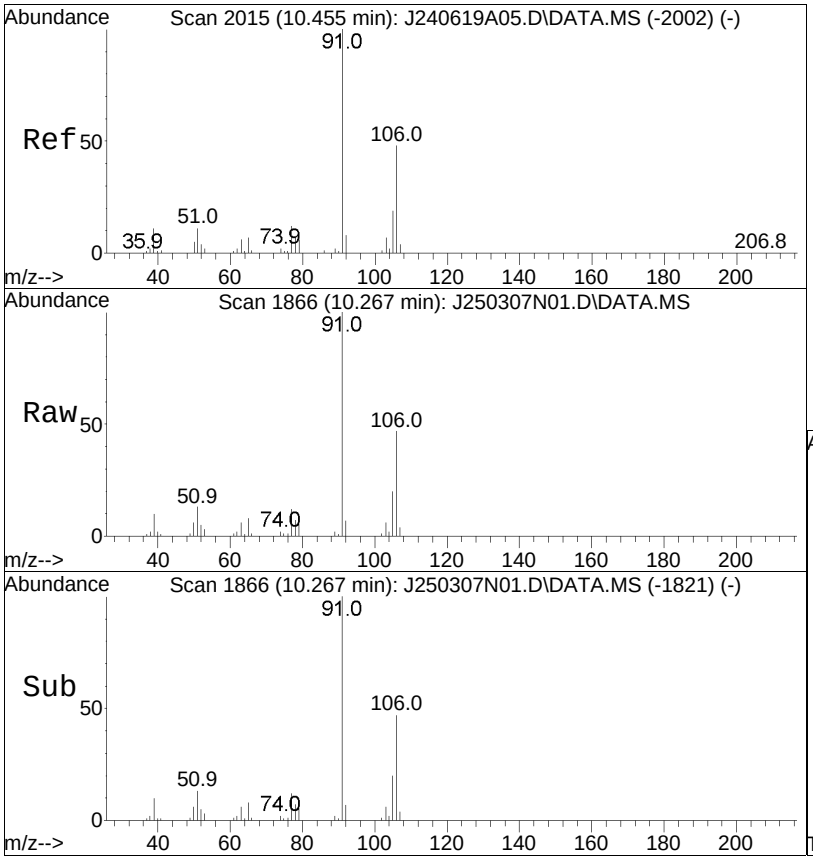


#81
p/m Xylene
Concen: 20.18 ug/L
RT: 9.721 min Scan# 1746
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:106 Resp: 179287

Ion	Ratio	Lower	Upper
106	100		
91	200.7	171.4	257.2

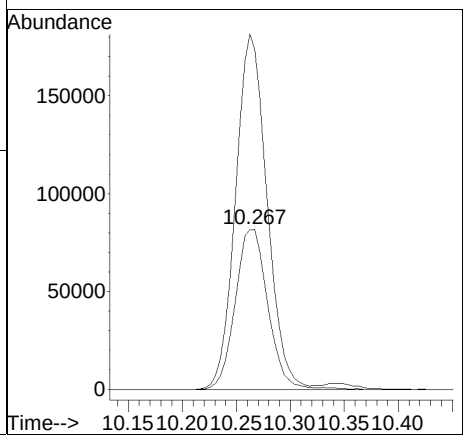


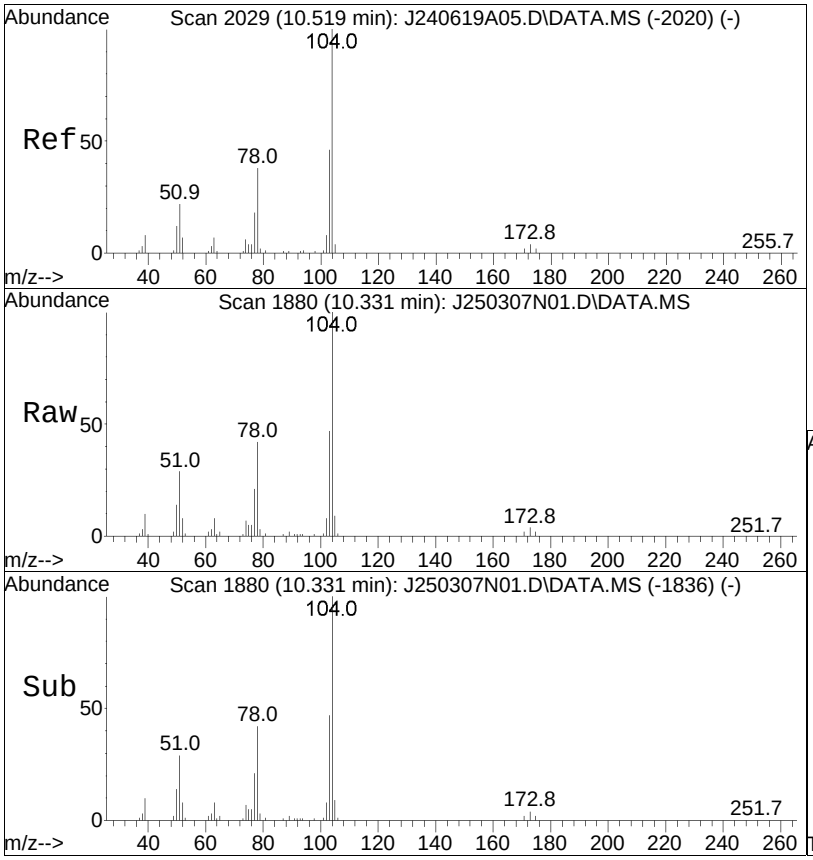


#82
o Xylene
Concen: 20.17 ug/L
RT: 10.267 min Scan# 1866
Delta R.T. 0.005 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:106 Resp: 172181

Ion	Ratio	Lower	Upper
106	100		
91	213.4	179.2	268.8

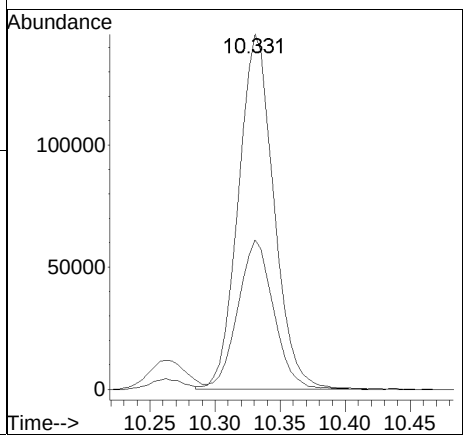


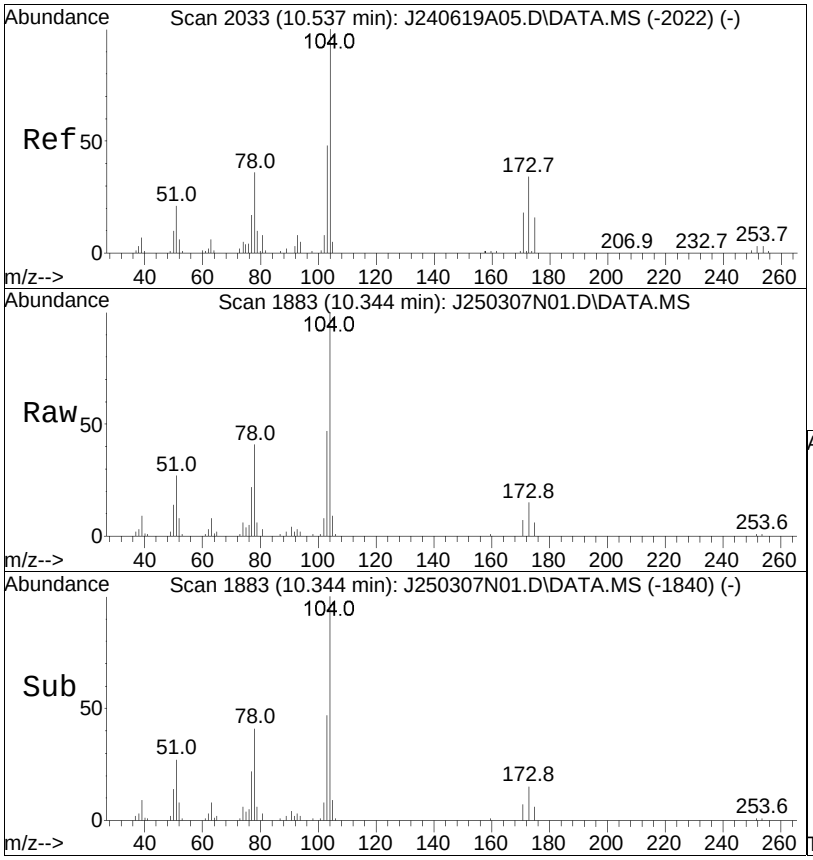


#83
Styrene
Concen: 18.91 ug/L
RT: 10.331 min Scan# 1880
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:104 Resp: 275041

Ion	Ratio	Lower	Upper
104	100		
78	42.5	38.1	57.1

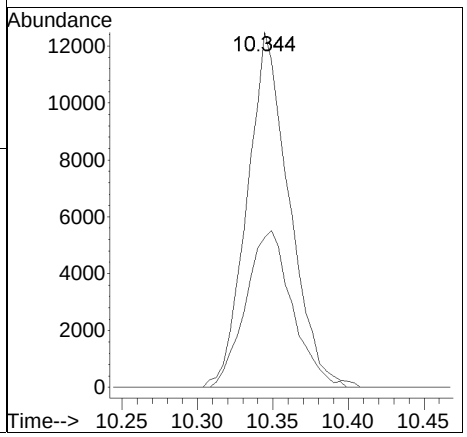


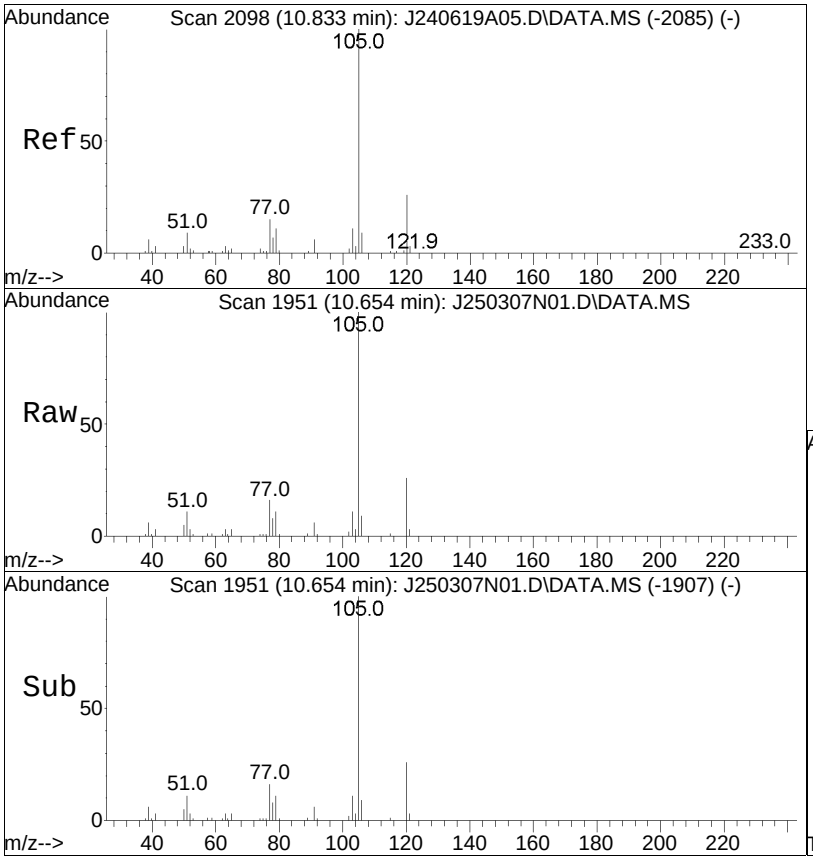


#85
Bromoform
Concen: 7.29 ug/L
RT: 10.344 min Scan# 1883
Delta R.T. -0.004 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:173 Resp: 24256

Ion	Ratio	Lower	Upper
173	100		
175	48.7	37.8	56.6

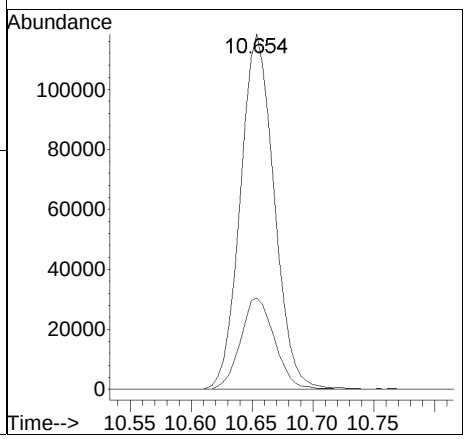


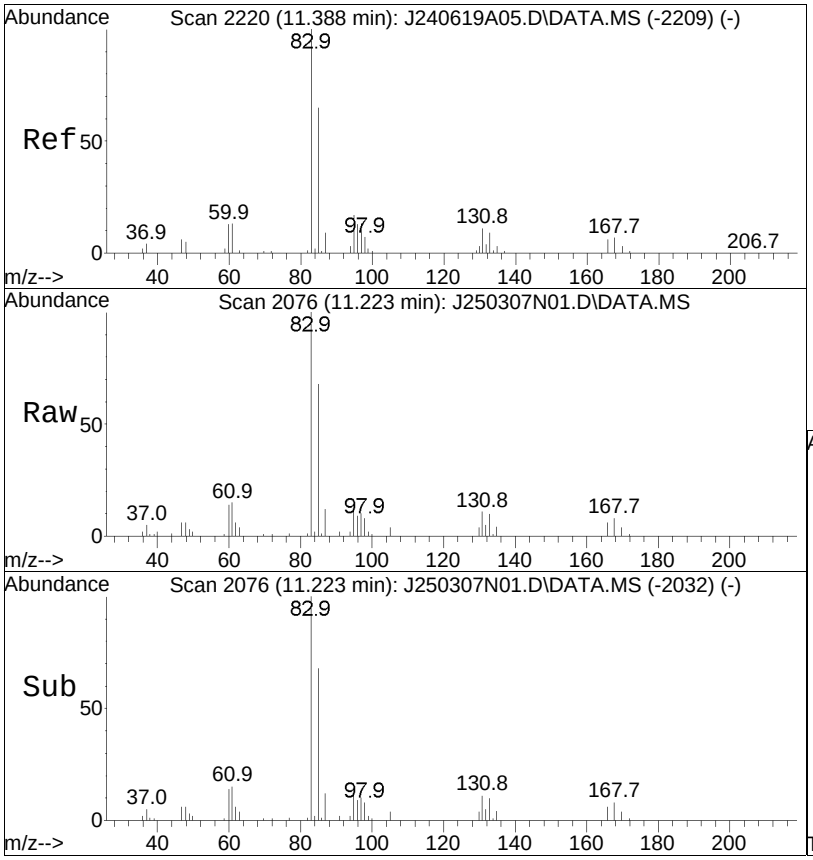


#87
Isopropylbenzene
Concen: 10.08 ug/L
RT: 10.654 min Scan# 1951
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:105 Resp: 228882

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.0	30.0

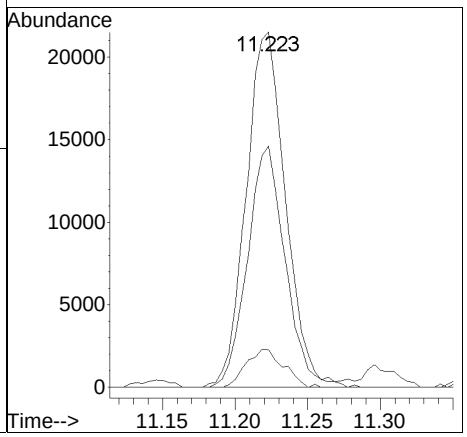


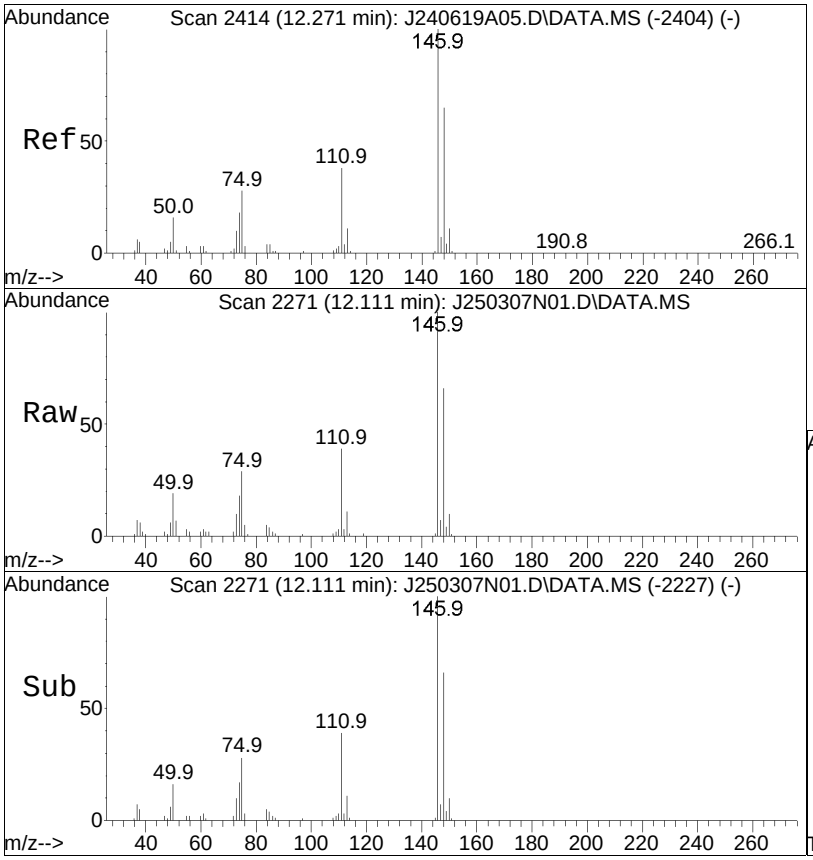


#92
1,1,2,2-Tetrachloroethane
Concen: 7.70 ug/L
RT: 11.223 min Scan# 2076
Delta R.T. -0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion: 83 Resp: 40677

Ion	Ratio	Lower	Upper
83	100		
131	10.3	6.6	10.0#
85	64.7	51.8	77.6

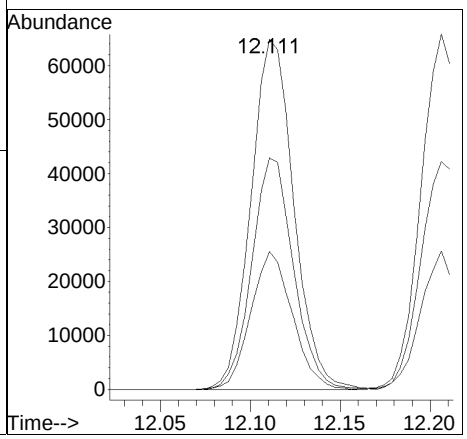


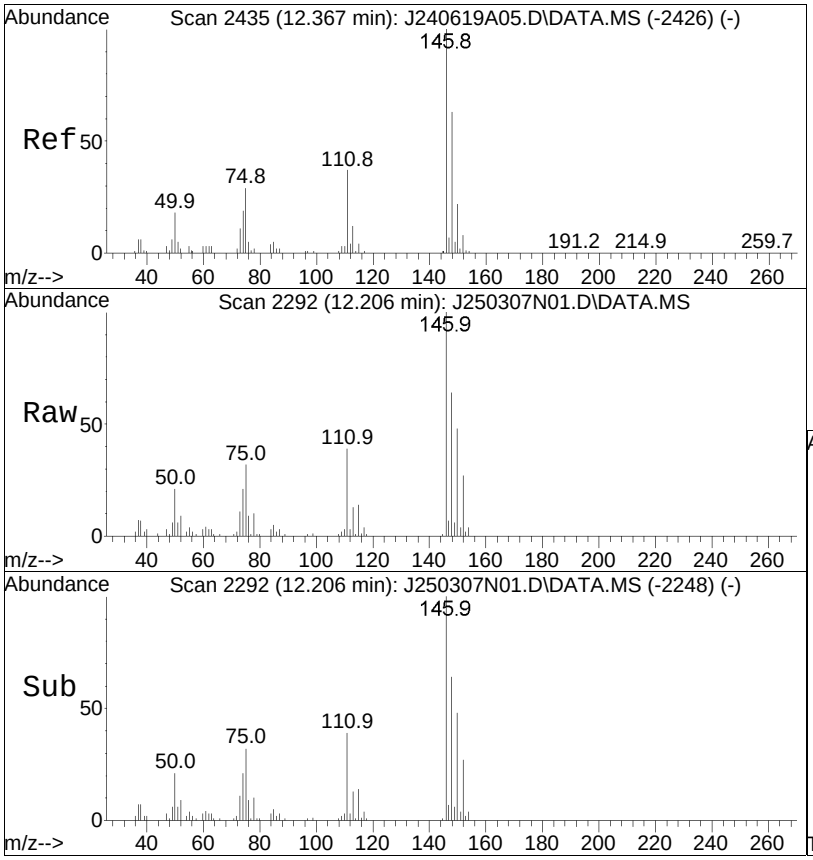


#105
1,3-Dichlorobenzene
Concen: 9.71 ug/L
RT: 12.111 min Scan# 2271
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:146 Resp: 107748

Ion	Ratio	Lower	Upper
146	100		
111	38.1	28.0	58.1
148	64.3	40.8	84.6

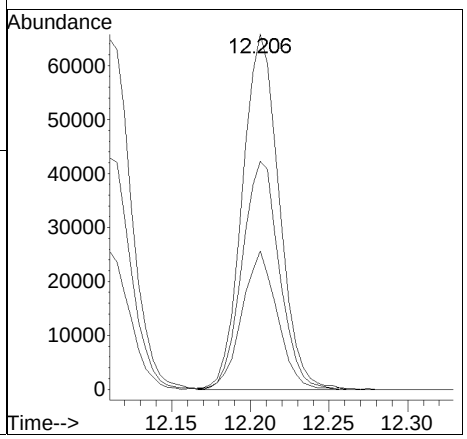


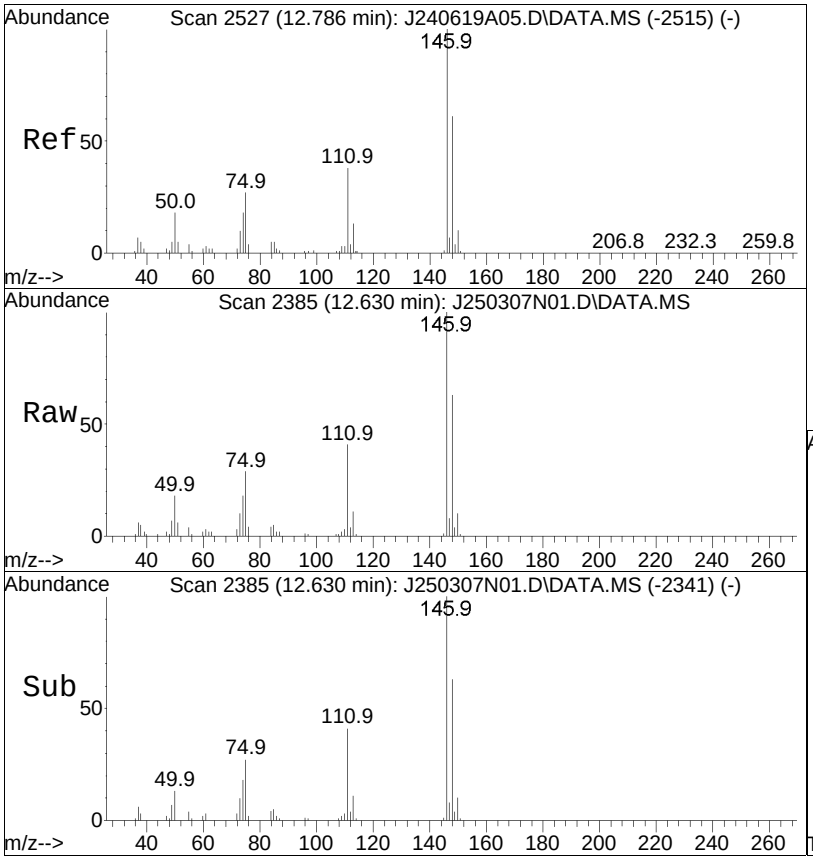


#106
1,4-Dichlorobenzene
Concen: 9.66 ug/L
RT: 12.206 min Scan# 2292
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:146 Resp: 107126

Ion	Ratio	Lower	Upper
146	100		
111	37.4	33.7	50.5
148	64.9	50.8	76.2

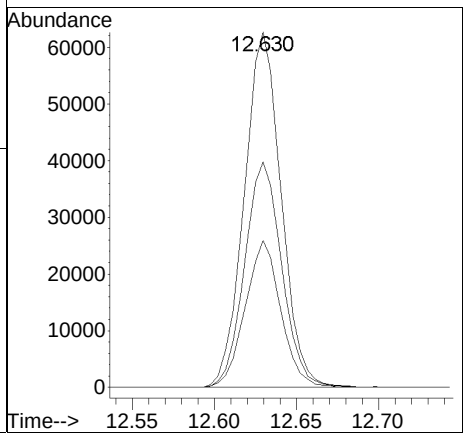


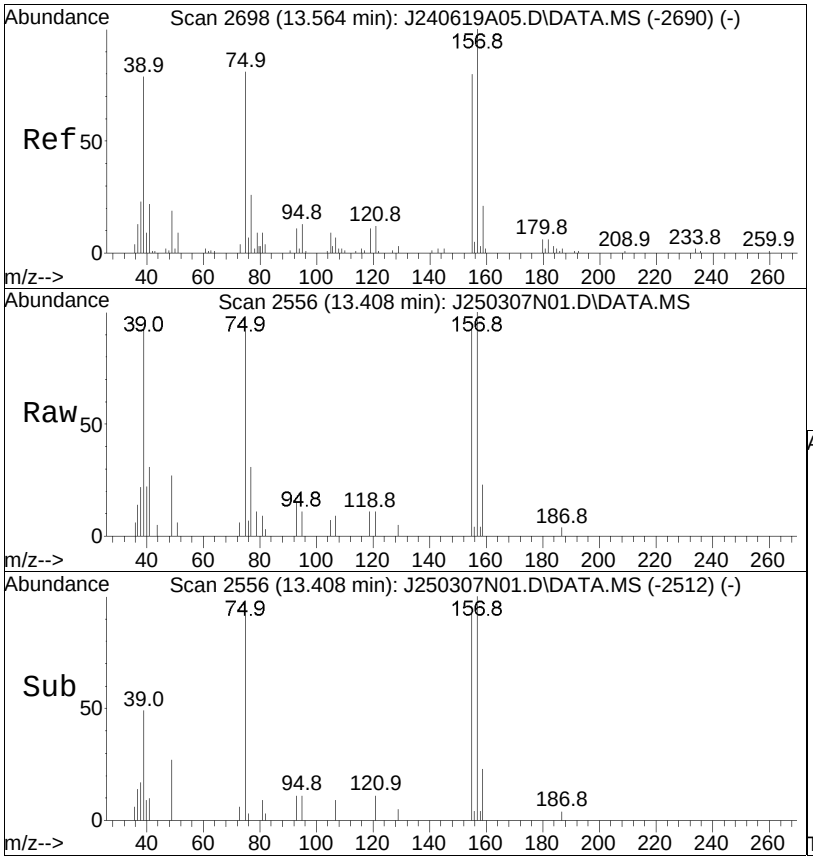


#109
1,2-Dichlorobenzene
Concen: 9.54 ug/L
RT: 12.630 min Scan# 2385
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:146 Resp: 98078

Ion	Ratio	Lower	Upper
146	100		
111	39.8	29.5	61.3
148	63.8	41.3	85.9

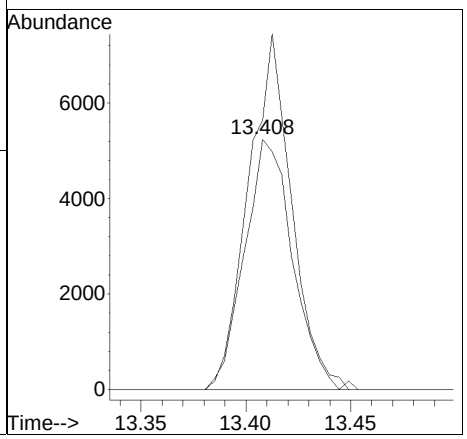


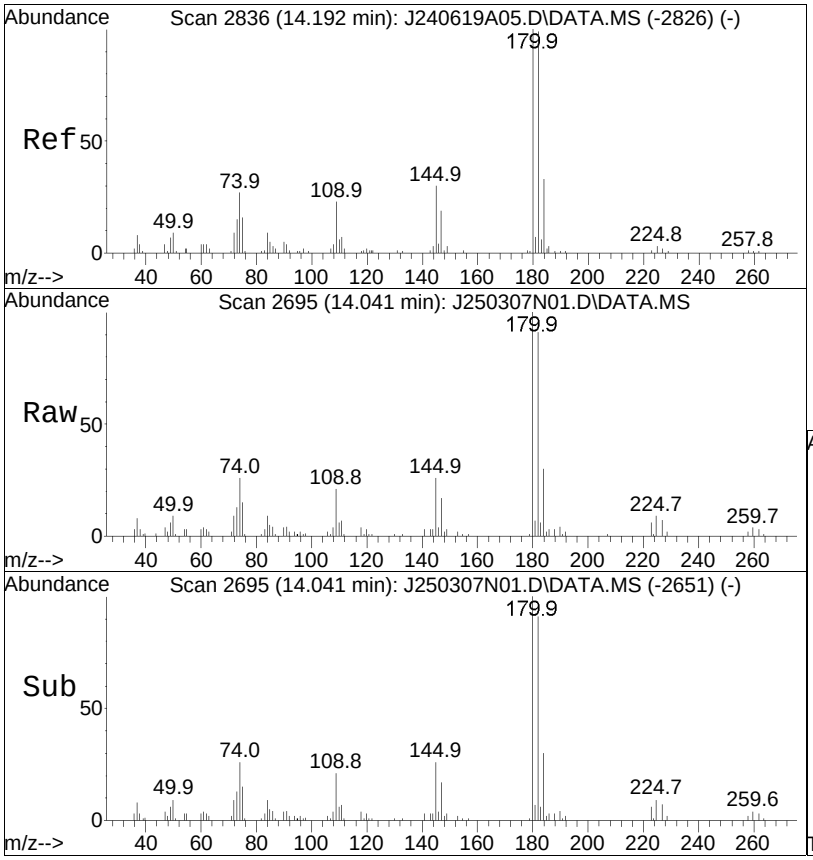


#111
1,2-Dibromo-3-chloropropane
Concen: 8.32 ug/L
RT: 13.408 min Scan# 2556
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:155 Resp: 8362

Ion	Ratio	Lower	Upper
155	100		
157	127.2	105.1	157.7

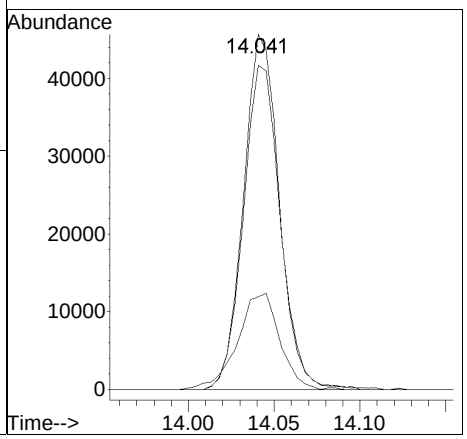


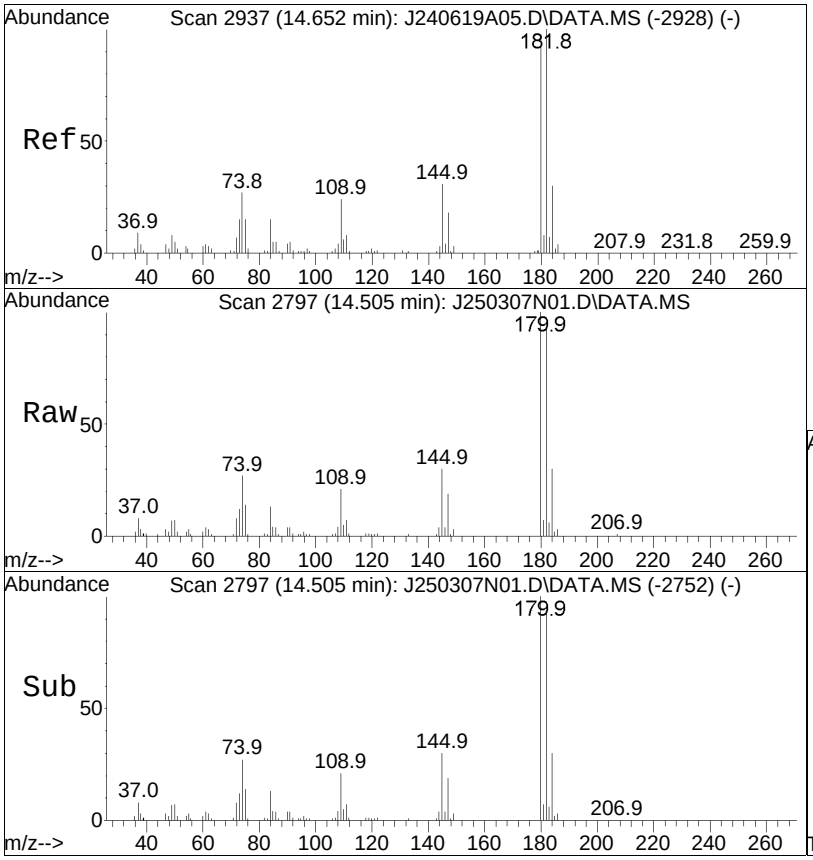


#114
1,2,4-Trichlorobenzene
Concen: 9.27 ug/L
RT: 14.041 min Scan# 2695
Delta R.T. 0.000 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:180 Resp: 66353

Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.7	113.5
145	31.8	27.4	41.2

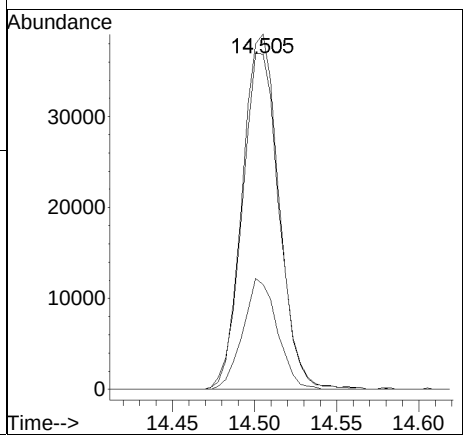




#116
1,2,3-Trichlorobenzene
Concen: 9.25 ug/L
RT: 14.505 min Scan# 2797
Delta R.T. 0.005 min
Lab File: J250307N01.D
Acq: 7 Mar 2025 6:33 pm

Tgt Ion:180 Resp: 60599

Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.7	112.1
145	29.3	22.1	33.1



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N01.D	Operator	: JACK:RAW
Date Inj'd	: 3/7/2025 6:33 pm	Instrument	: Jack
Sample	: WG2038627-3,31,10,10	Quant Date	: 3/7/2025 6:55 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N02.D
Acq On : 7 Mar 2025 7:00 pm
Operator : JACK:RAW
Sample : WG2038627-4,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 20:23:58 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.920	96	185842	10.000 ug/L	0.00
Standard Area 1 = 180282			Recovery = 103.08%		
63) Chlorobenzene-d5	9.466	117	138059	10.000 ug/L	0.00
Standard Area 1 = 129688			Recovery = 106.45%		
84) 1,4-Dichlorobenzene-d4	12.193	152	80194	10.000 ug/L	0.00
Standard Area 1 = 75468			Recovery = 106.26%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.105	113	49916	10.163 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.63%		
47) 1,2-Dichloroethane-d4	5.635	65	59094	9.805 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.05%		
64) Toluene-d8	7.618	98	179194	9.847 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.47%		
88) 4-Bromofluorobenzene	10.973	95	67474	9.836 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.36%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.558	85	50448	9.708 ug/L	97
3) Chloromethane	1.744	50	56759	10.388 ug/L	98
4) Vinyl chloride	1.814	62	70428	10.757 ug/L	97
5) Bromomethane	2.122	94	28147	8.503 ug/L	100
6) Chloroethane	2.244	64	40099	11.407 ug/L	97
7) Trichlorofluoromethane	2.378	101	71850	9.416 ug/L	98
10) 1,1-Dichloroethene	2.866	96	42619	10.046 ug/L	84
11) Carbon disulfide	2.890	76	132376	10.178 ug/L	99
12) Freon-113	2.907	101	43570	9.517 ug/L	84
15) Methylene chloride	3.413	84	45675	9.937 ug/L	98
17) Acetone	3.454	43	12310	8.598 ug/L	99
18) trans-1,2-Dichloroethene	3.570	96	45760	9.986 ug/L	89
19) Methyl acetate	3.576	43	29329	9.429 ug/L #	95
21) Methyl tert-butyl ether	3.663	73	119713	9.448 ug/L	98
25) 1,1-Dichloroethane	4.152	63	93462	10.228 ug/L	98
30) cis-1,2-Dichloroethene	4.669	96	51256	10.137 ug/L	87
33) Bromochloromethane	4.861	128	22959	10.140 ug/L #	72
34) Cyclohexane	4.861	56	87450	9.231 ug/L	95
35) Chloroform	4.931	83	84958	9.892 ug/L	99
37) Carbon tetrachloride	5.065	117	67309	9.972 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N02.D
Acq On : 7 Mar 2025 7:00 pm
Operator : JACK:RAW
Sample : WG2038627-4,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 20:23:58 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.134	97	74600	9.827	ug/L		95
42) 2-Butanone	5.228	43	19408	8.660	ug/L		93
45) Benzene	5.501	78	186506	9.927	ug/L		99
48) 1,2-Dichloroethane	5.704	62	64705	9.803	ug/L		99
51) Methyl cyclohexane	6.094	83	78515	8.982	ug/L		91
52) Trichloroethene	6.100	95	48532	9.621	ug/L		91
55) 1,2-Dichloropropane	6.647	63	50849	10.446	ug/L		99
58) Bromodichloromethane	6.711	83	60391	9.446	ug/L	#	94
62) cis-1,3-Dichloropropene	7.408	75	74138	9.754	ug/L		94
65) Toluene	7.679	92	117353	9.633	ug/L		99
66) 4-Methyl-2-pentanone	8.113	58	14996	8.702	ug/L	#	93
67) Tetrachloroethene	8.121	166	52896	9.315	ug/L		92
69) trans-1,3-Dichloropropene	8.160	75	63487	9.293	ug/L		92
72) 1,1,2-Trichloroethane	8.345	83	34533	9.543	ug/L		94
73) Chlorodibromomethane	8.551	129	46183	9.156	ug/L		99
75) 1,2-Dibromoethane	8.828	107	39064	9.602	ug/L		99
77) 2-Hexanone	9.129	43	30277	8.590	ug/L		98
78) Chlorobenzene	9.484	112	127761	9.512	ug/L		92
79) Ethylbenzene	9.534	91	231369	9.567	ug/L		97
81) p/m Xylene	9.725	106	178745	18.899	ug/L		95
82) o Xylene	10.262	106	174717	19.231	ug/L		92
83) Styrene	10.331	104	285226	18.425	ug/L		92
85) Bromoform	10.349	173	31635	8.942	ug/L		96
87) Isopropylbenzene	10.654	105	228342	9.464	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.223	83	52987	9.435	ug/L	#	98
105) 1,3-Dichlorobenzene	12.111	146	113977	9.669	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	113125	9.595	ug/L		97
109) 1,2-Dichlorobenzene	12.630	146	104691	9.584	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.408	155	9969	9.337	ug/L		90
114) 1,2,4-Trichlorobenzene	14.041	180	69115	9.091	ug/L		96
116) 1,2,3-Trichlorobenzene	14.505	180	65454	9.401	ug/L		96

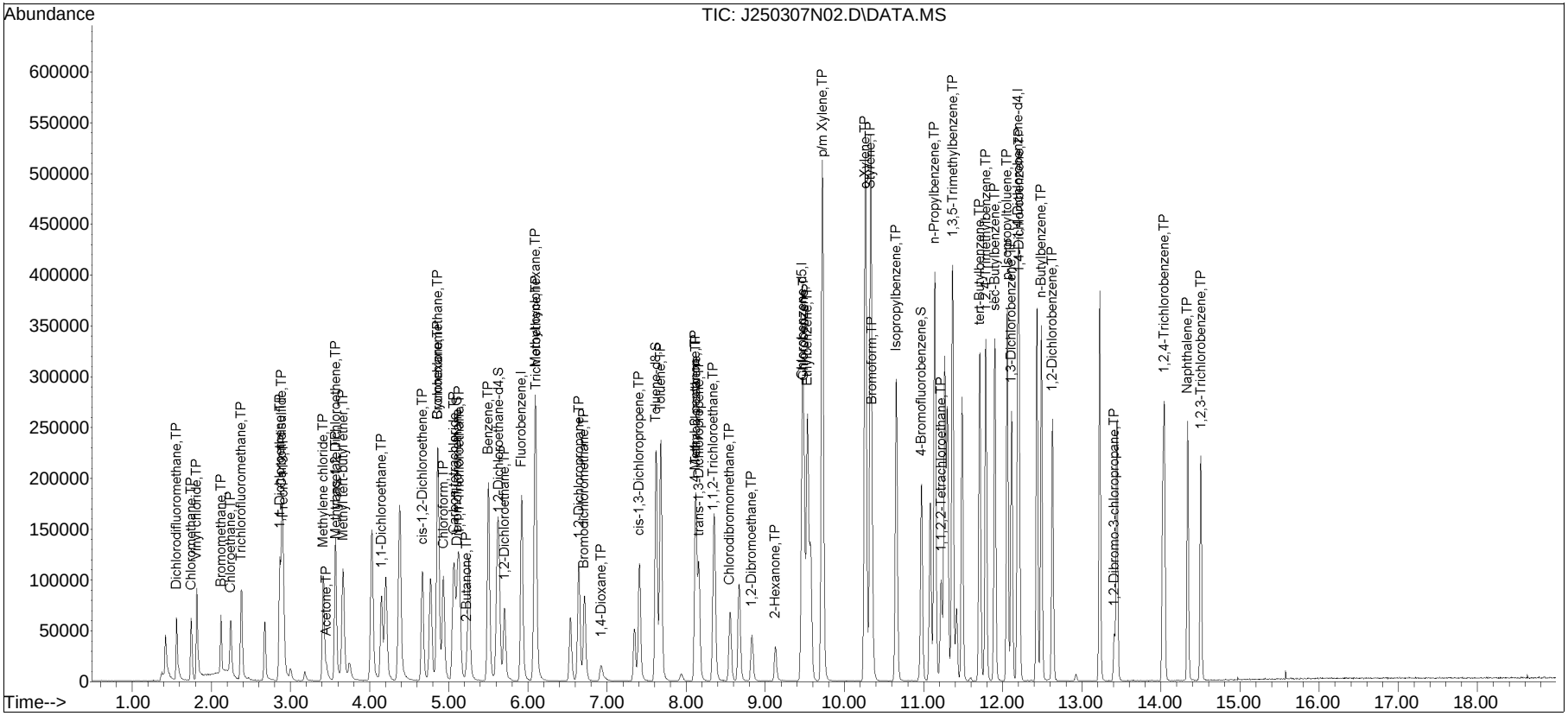
(#) = qualifier out of range (m) = manual integration (+) = signals summed

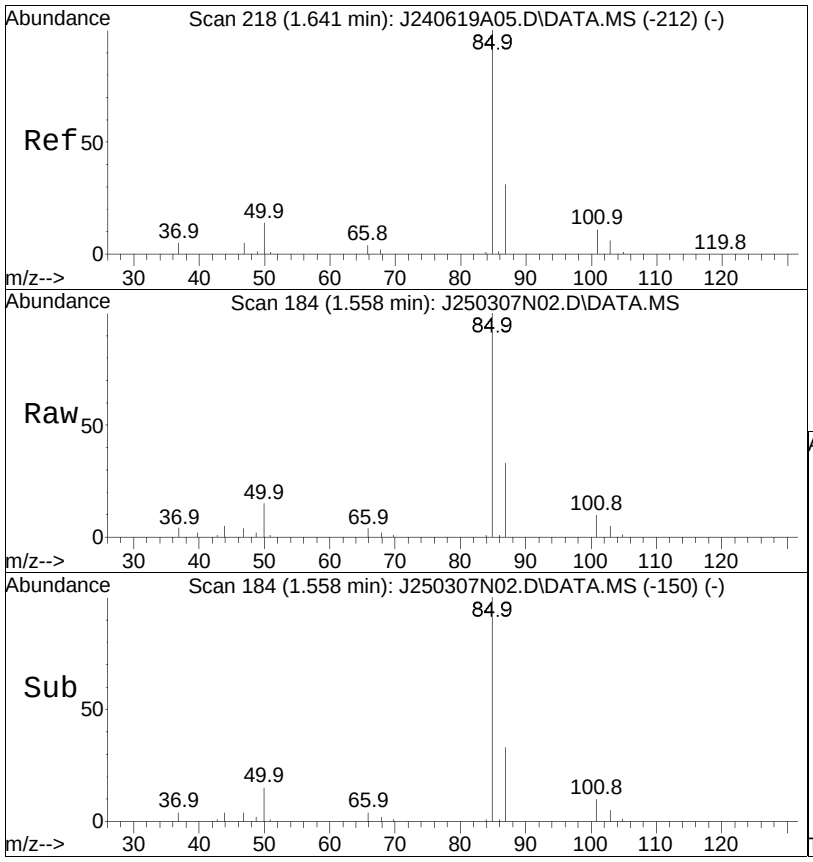
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N02.D
Acq On : 7 Mar 2025 7:00 pm
Operator : JACK:RAW
Sample : WG2038627-4,31,10,10
Misc : WG2038627,ICAL22041
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 20:23:58 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

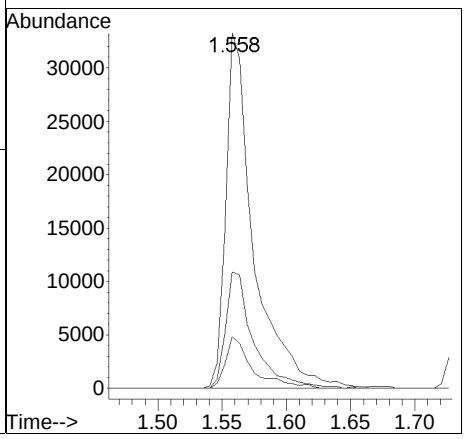


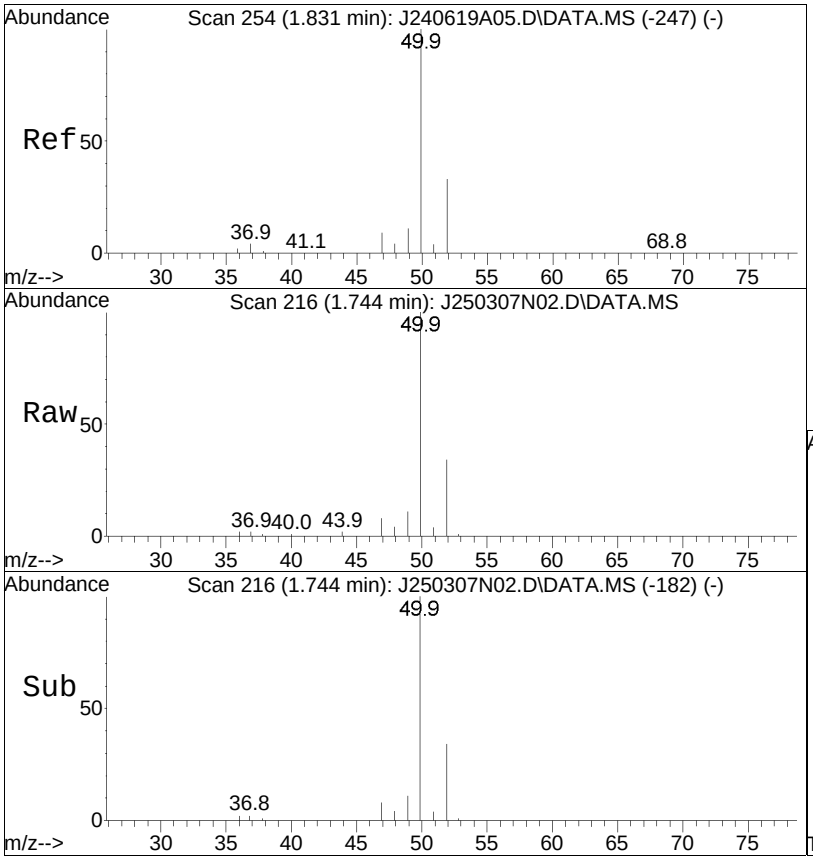


#2
Dichlorodifluoromethane
Concen: 9.71 ug/L
RT: 1.558 min Scan# 184
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 85 Resp: 50448

Ion	Ratio	Lower	Upper
85	100		
87	32.9	20.2	42.0
50	14.1	10.1	20.9

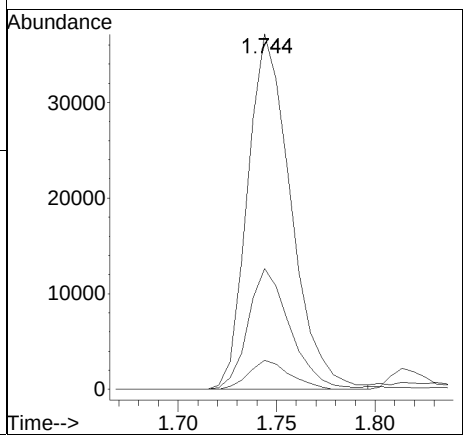


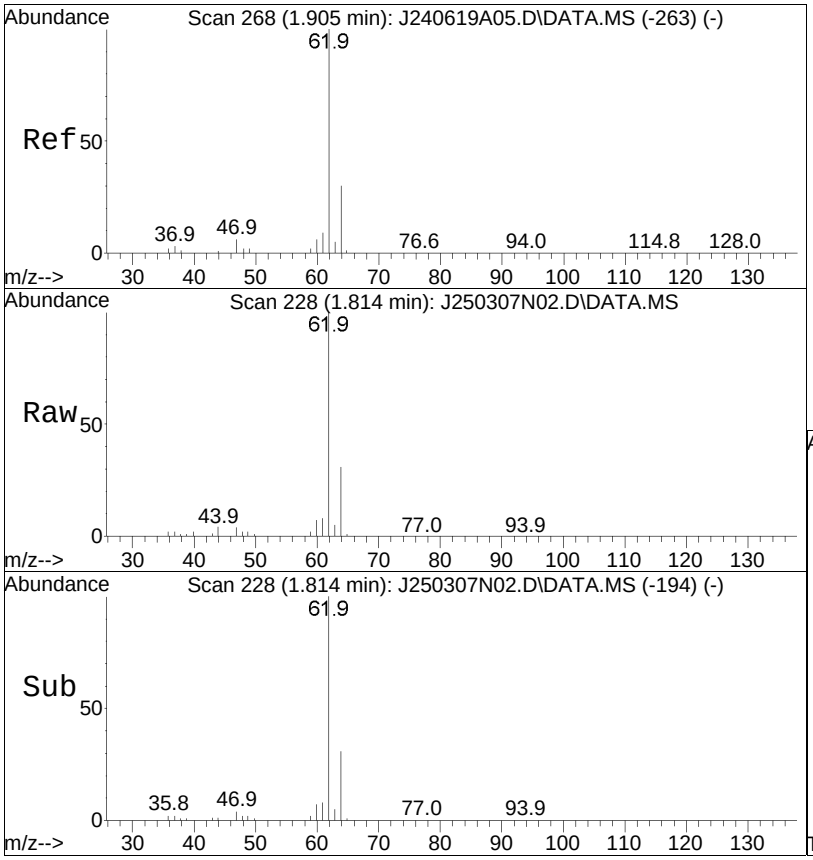


#3
Chloromethane
Concen: 10.39 ug/L
RT: 1.744 min Scan# 216
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 50 Resp: 56759

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.1	37.7
47	7.9	6.5	9.7

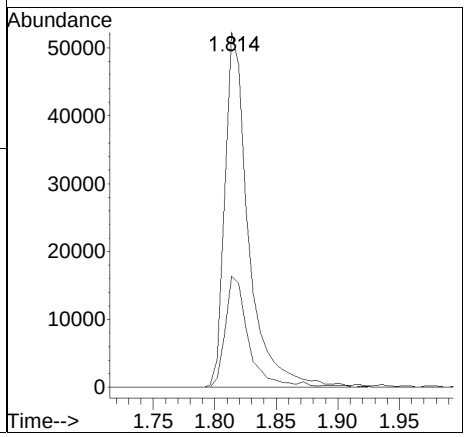


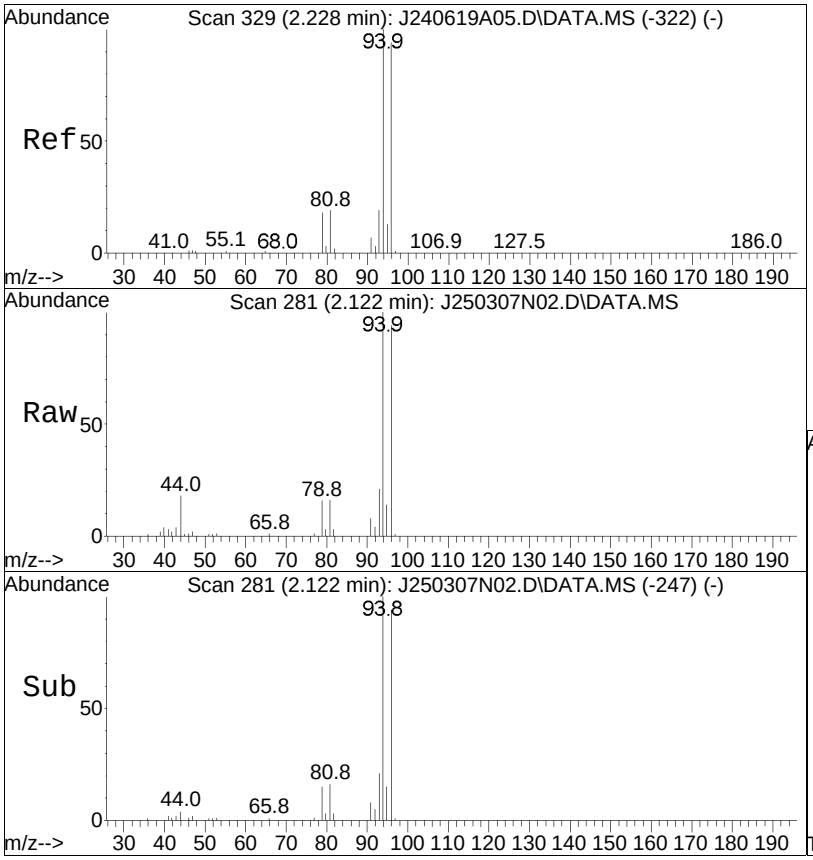


#4
Vinyl chloride
Concen: 10.76 ug/L
RT: 1.814 min Scan# 228
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 62 Resp: 70428

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.7	38.5

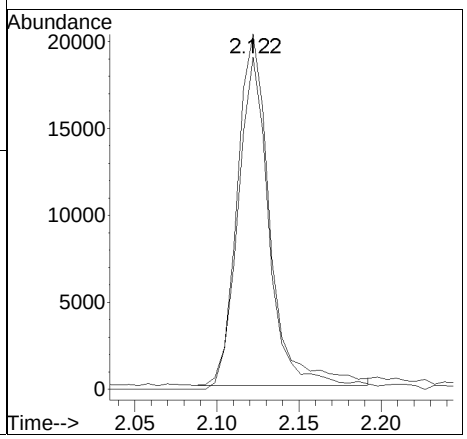


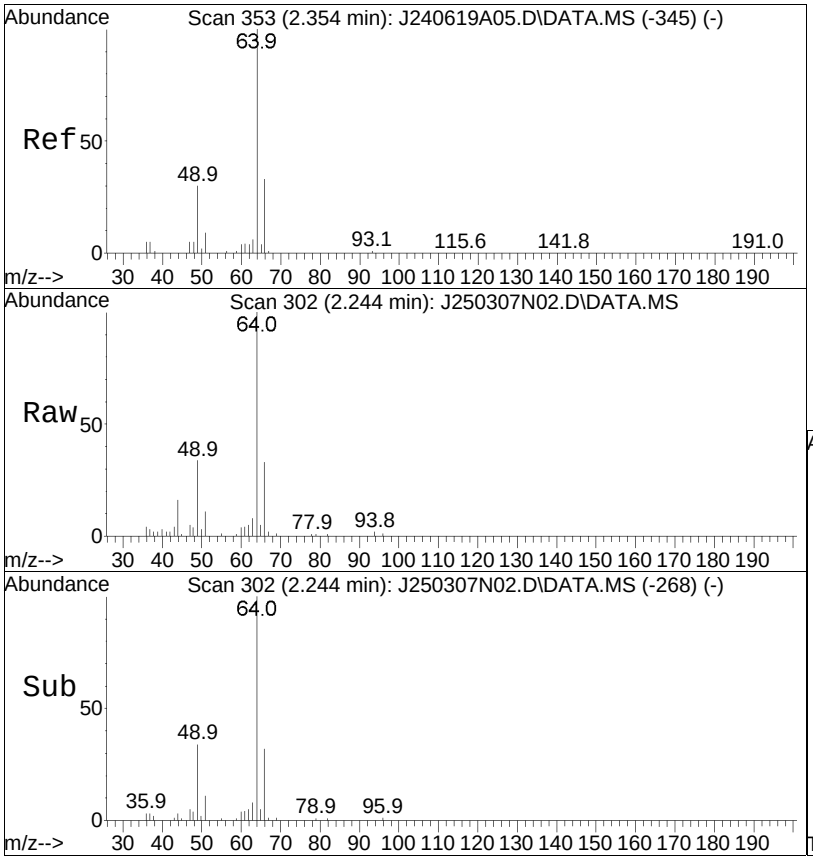


#5
Bromomethane
Concen: 8.50 ug/L
RT: 2.122 min Scan# 281
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 94 Resp: 28147

Ion	Ratio	Lower	Upper
94	100		
96	92.0	73.7	110.5

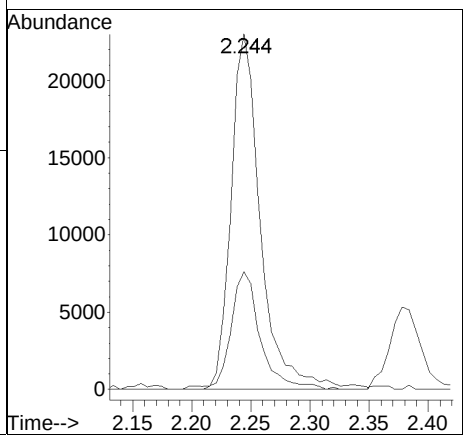


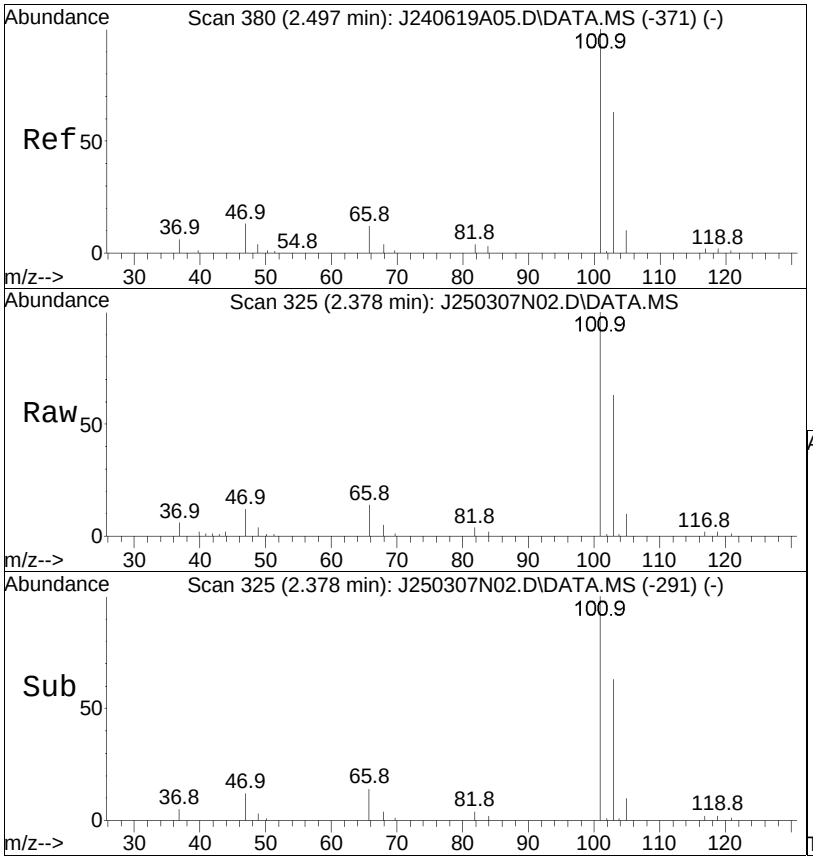


#6
Chloroethane
Concen: 11.41 ug/L
RT: 2.244 min Scan# 302
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 64 Resp: 40099

Ion	Ratio	Lower	Upper
64	100		
66	33.2	25.3	37.9

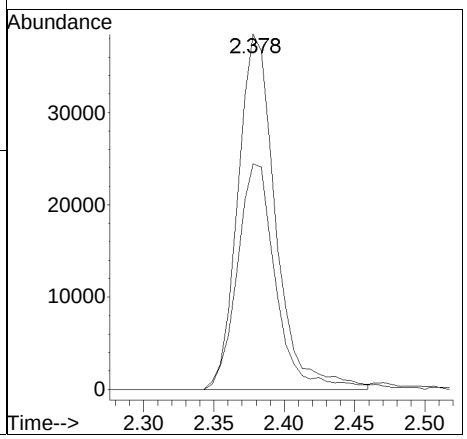


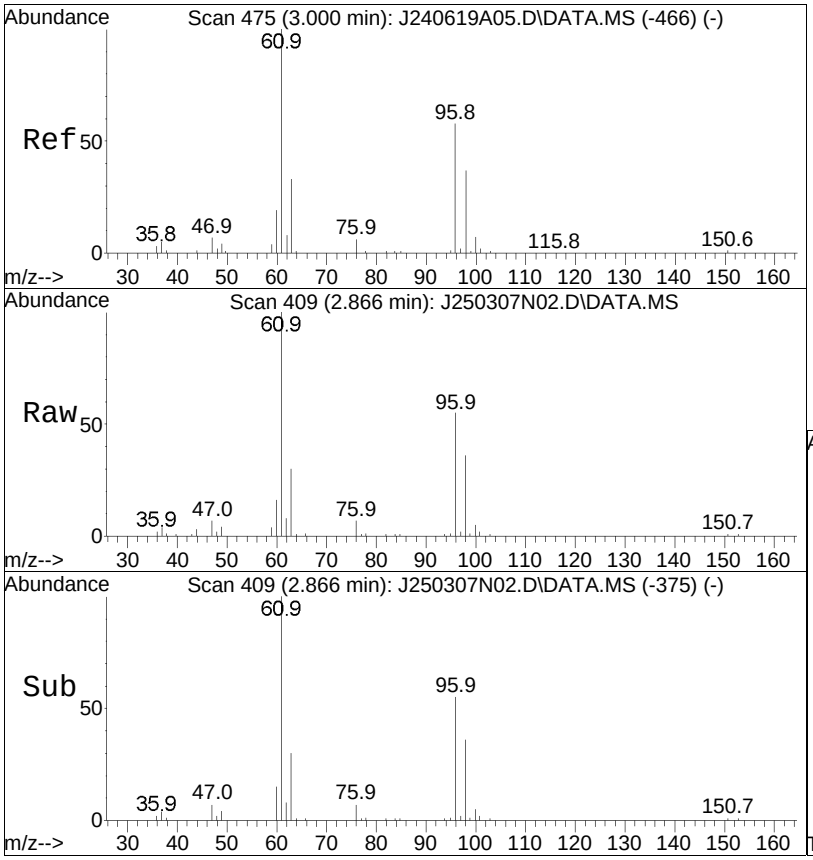


#7
Trichlorofluoromethane
Concen: 9.42 ug/L
RT: 2.378 min Scan# 325
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:101 Resp: 71850

Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.4

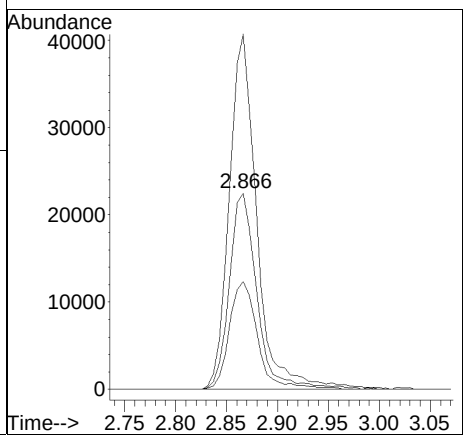


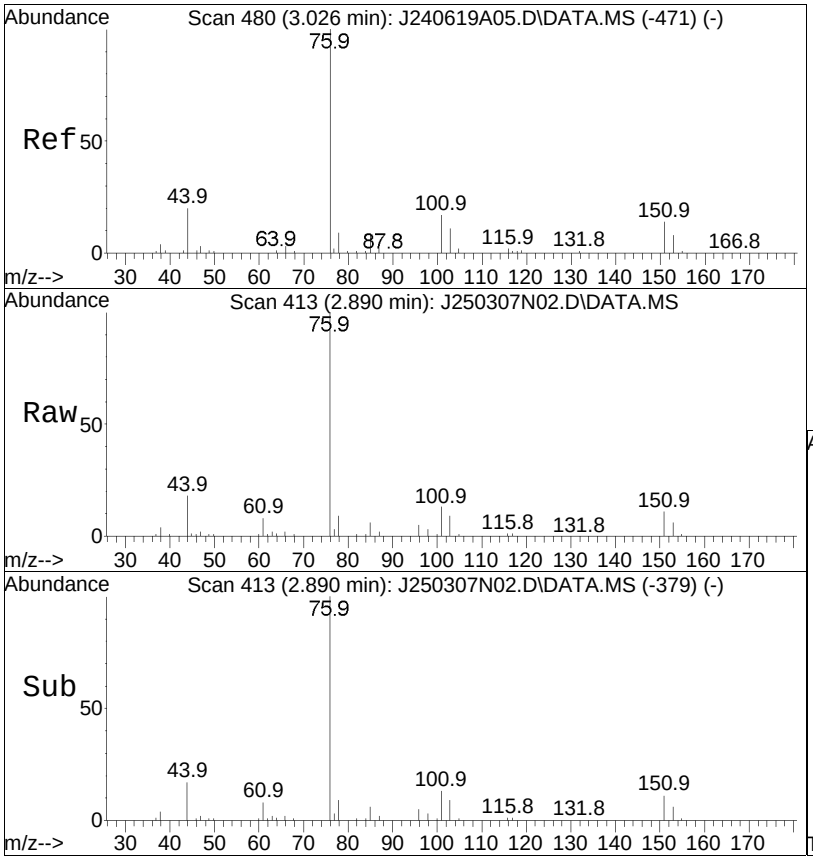


#10
1,1-Dichloroethene
Concen: 10.05 ug/L
RT: 2.866 min Scan# 409
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 96 Resp: 42619

Ion	Ratio	Lower	Upper
96	100		
61	180.2	165.5	248.3
63	56.3	51.9	77.9

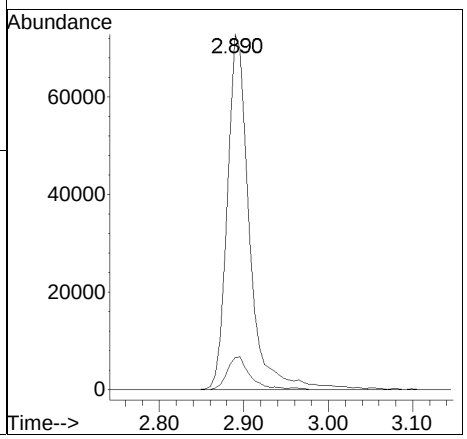


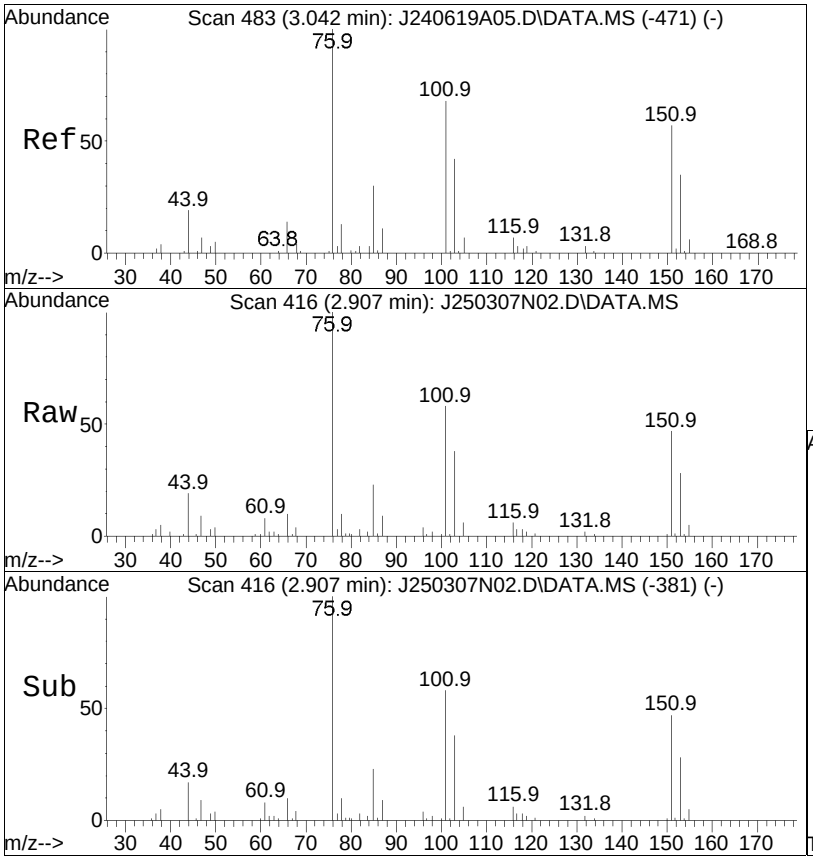


#11
Carbon disulfide
Concen: 10.18 ug/L
RT: 2.890 min Scan# 413
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 76 Resp: 132376

Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.4	13.4

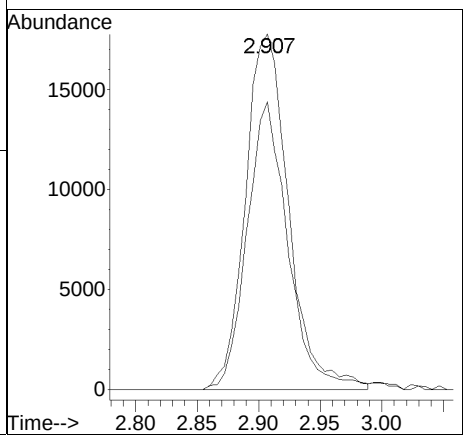


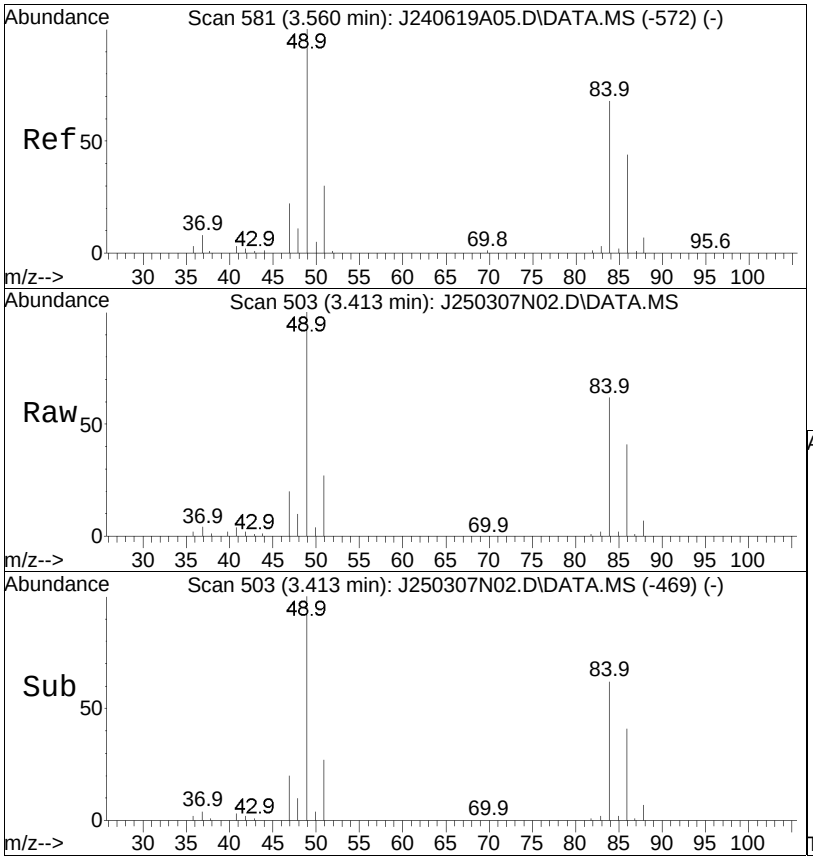


#12
Freon-113
Concen: 9.52 ug/L
RT: 2.907 min Scan# 416
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:101 Resp: 43570

Ion	Ratio	Lower	Upper
101	100		
151	77.3	51.9	77.9

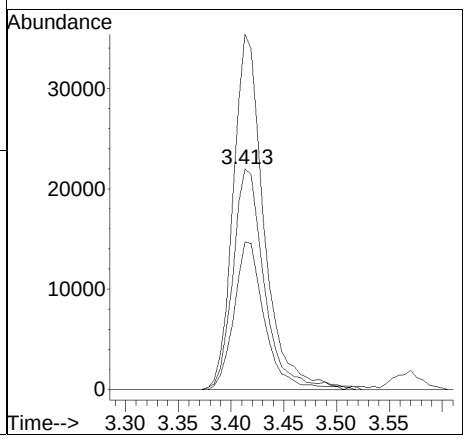


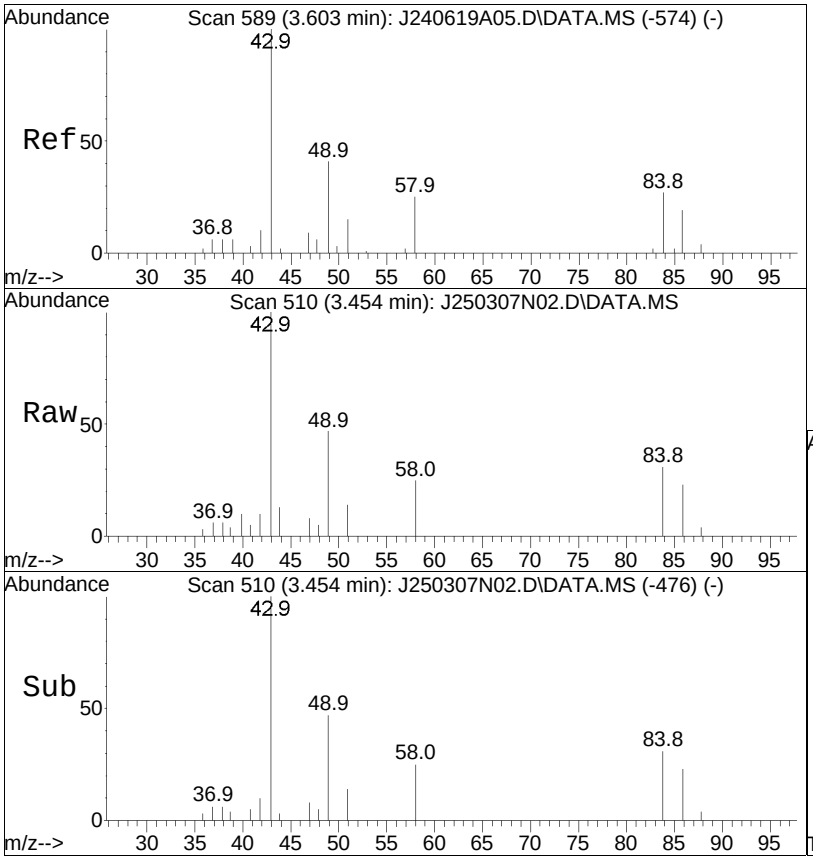


#15
Methylene chloride
Concen: 9.94 ug/L
RT: 3.413 min Scan# 503
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 84 Resp: 45675

Ion	Ratio	Lower	Upper
84	100		
86	64.8	41.7	86.5
49	157.4	103.9	215.9

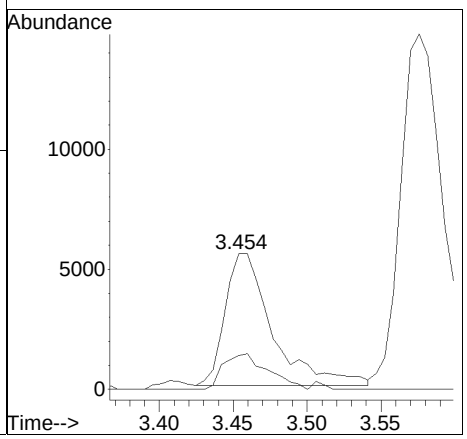


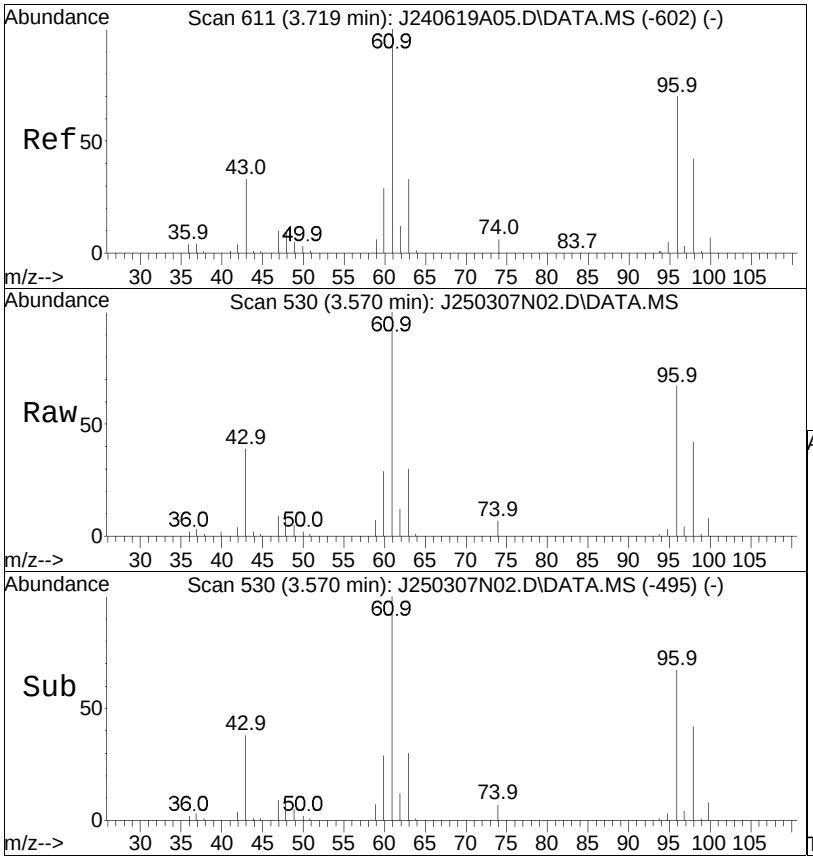


#17
Acetone
Concen: 8.60 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 43 Resp: 12310

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.1	30.1

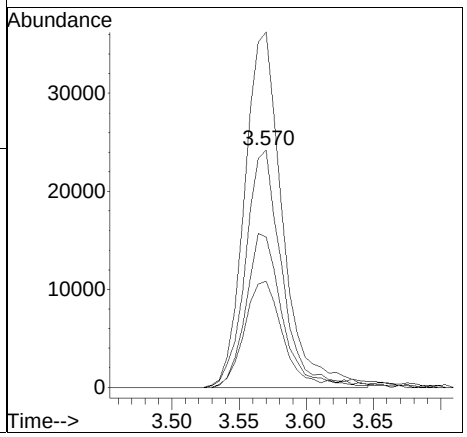


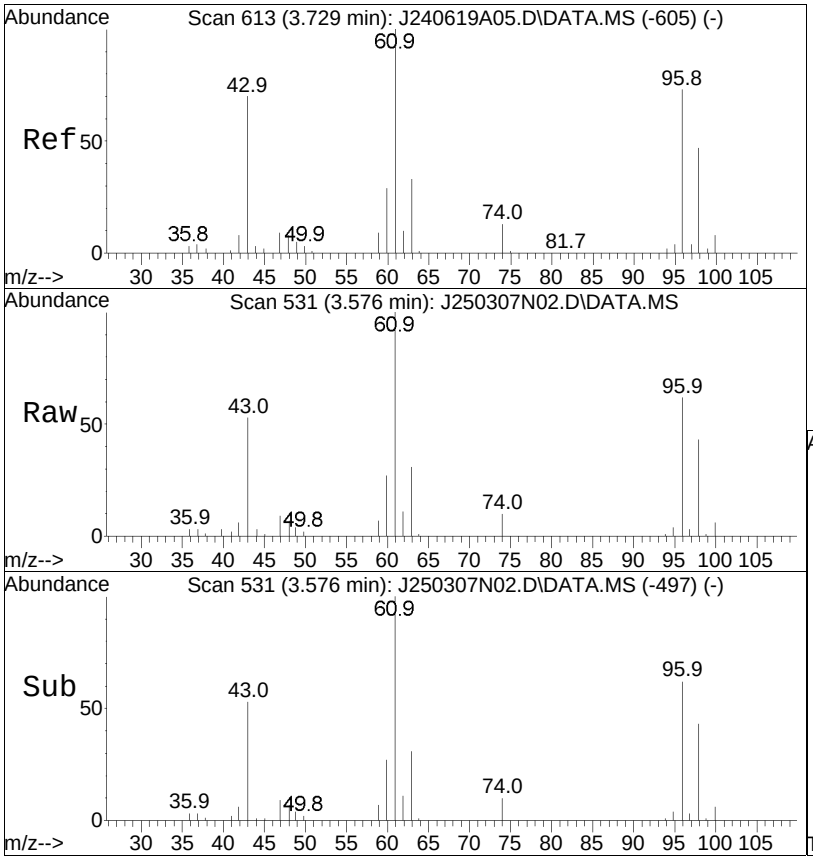


#18
trans-1,2-Dichloroethene
Concen: 9.99 ug/L
RT: 3.570 min Scan# 530
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 96 Resp: 45760

Ion	Ratio	Lower	Upper
96	100		
61	157.0	113.6	236.0
98	65.9	40.8	84.8
63	47.9	36.5	75.7

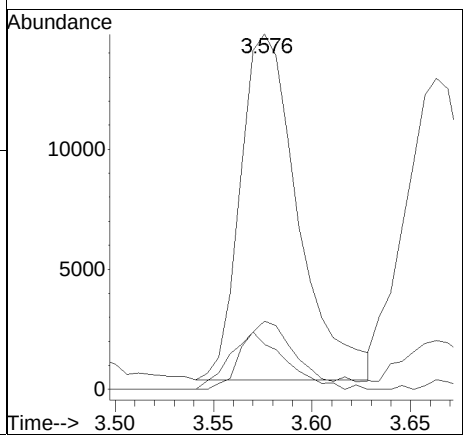


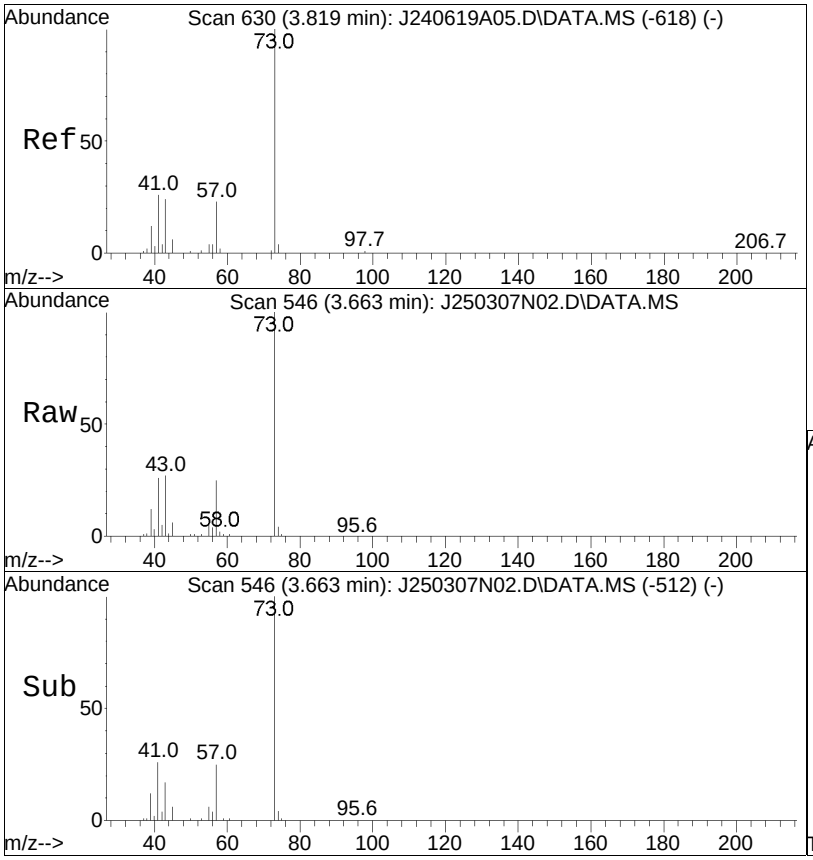


#19
Methyl acetate
Concen: 9.43 ug/L
RT: 3.576 min Scan# 531
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 43 Resp: 29329

Ion	Ratio	Lower	Upper
43	100		
74	18.1	14.6	22.0
59	16.0	9.3	13.9#

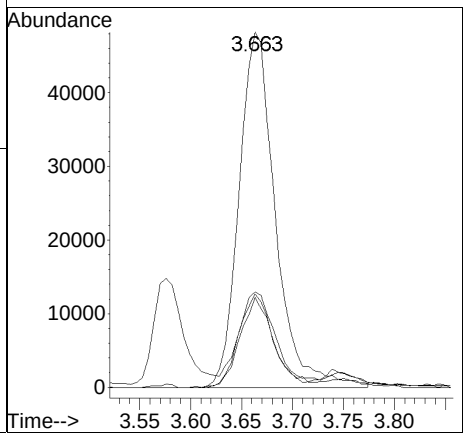


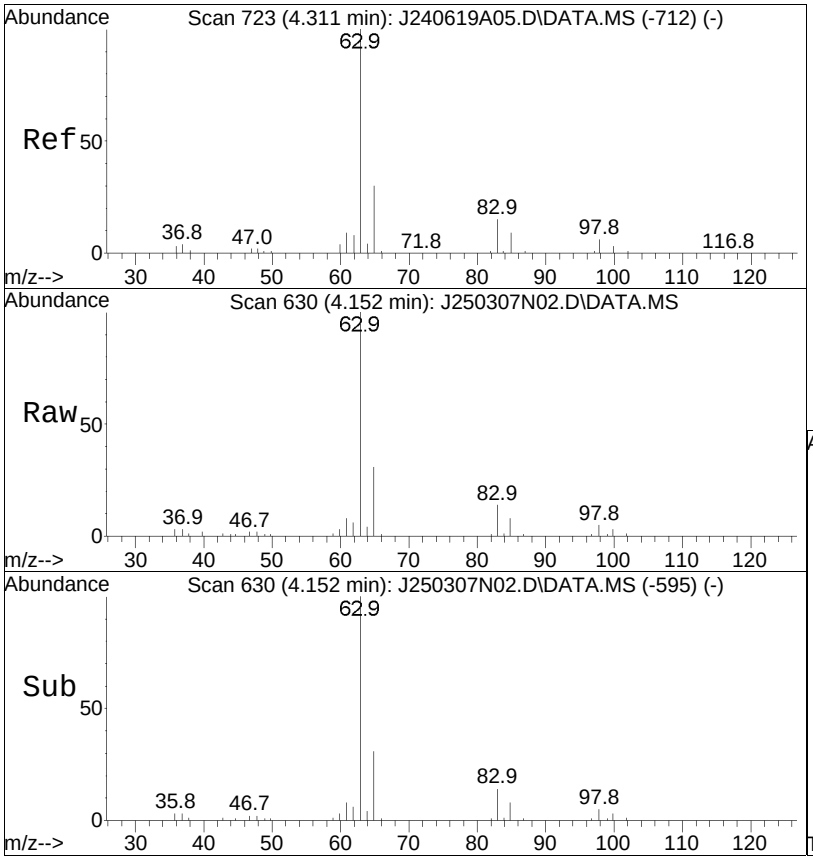


#21
Methyl tert-butyl ether
Concen: 9.45 ug/L
RT: 3.663 min Scan# 546
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 73 Resp: 119713

Ion	Ratio	Lower	Upper
73	100		
57	23.8	15.5	32.1
43	26.6	16.6	34.6
41	24.9	17.2	35.6

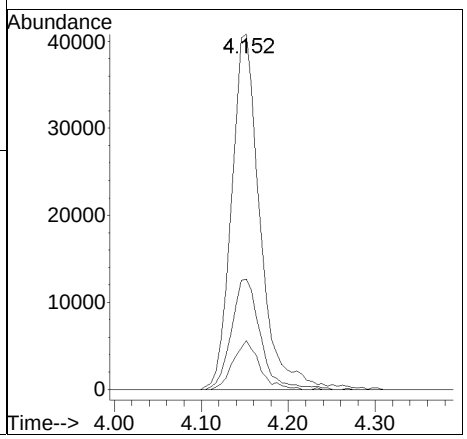


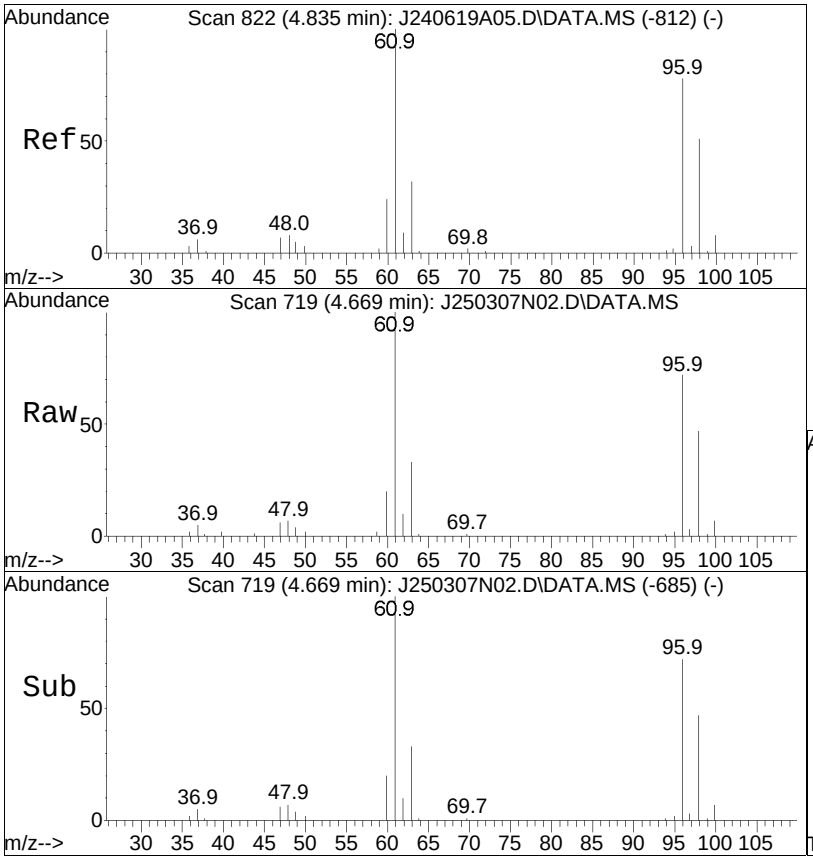


#25
1,1-Dichloroethane
Concen: 10.23 ug/L
RT: 4.152 min Scan# 630
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 63 Resp: 93462

Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.5	36.7
83	12.6	8.9	13.3

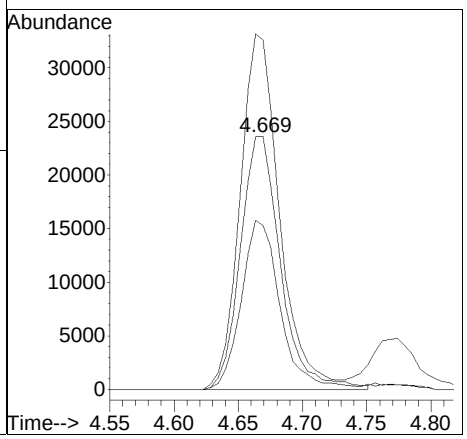


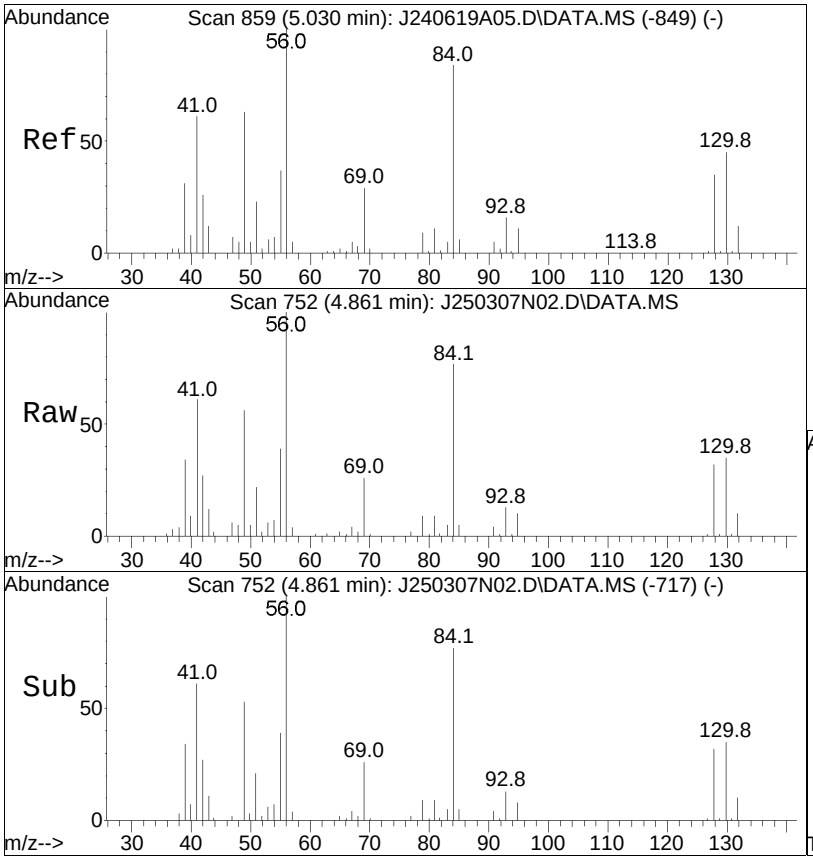


#30
cis-1,2-Dichloroethene
Concen: 10.14 ug/L
RT: 4.669 min Scan# 719
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 96 Resp: 51256

Ion	Ratio	Lower	Upper
96	100		
61	137.2	129.3	193.9
98	64.7	51.4	77.2

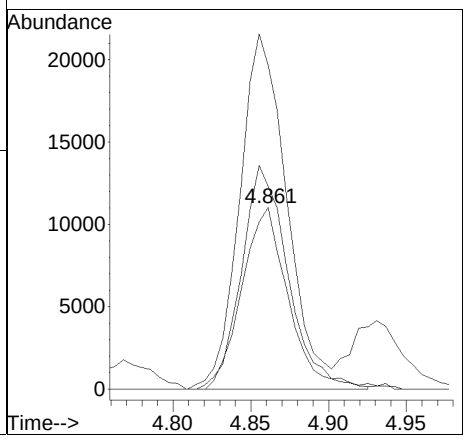


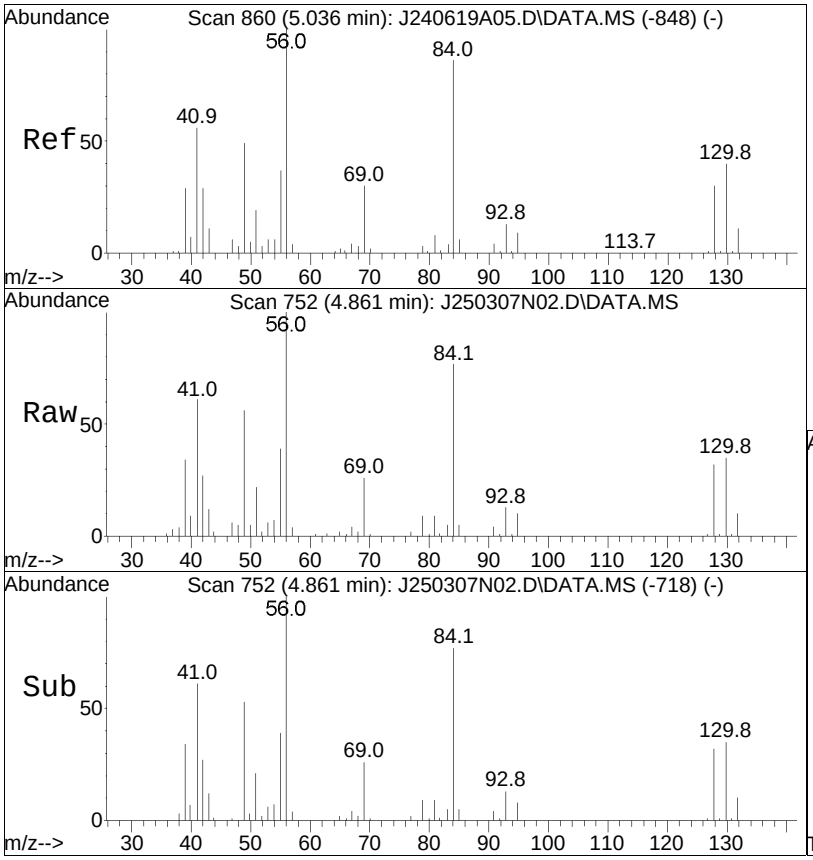


#33
Bromochloromethane
Concen: 10.14 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:128 Resp: 22959

Ion	Ratio	Lower	Upper
128	100		
49	197.5	214.8	322.2#
130	125.0	105.4	158.2

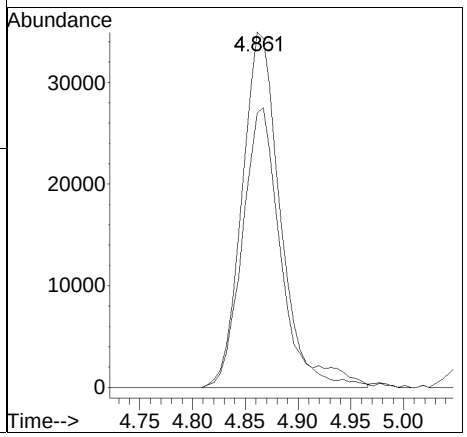


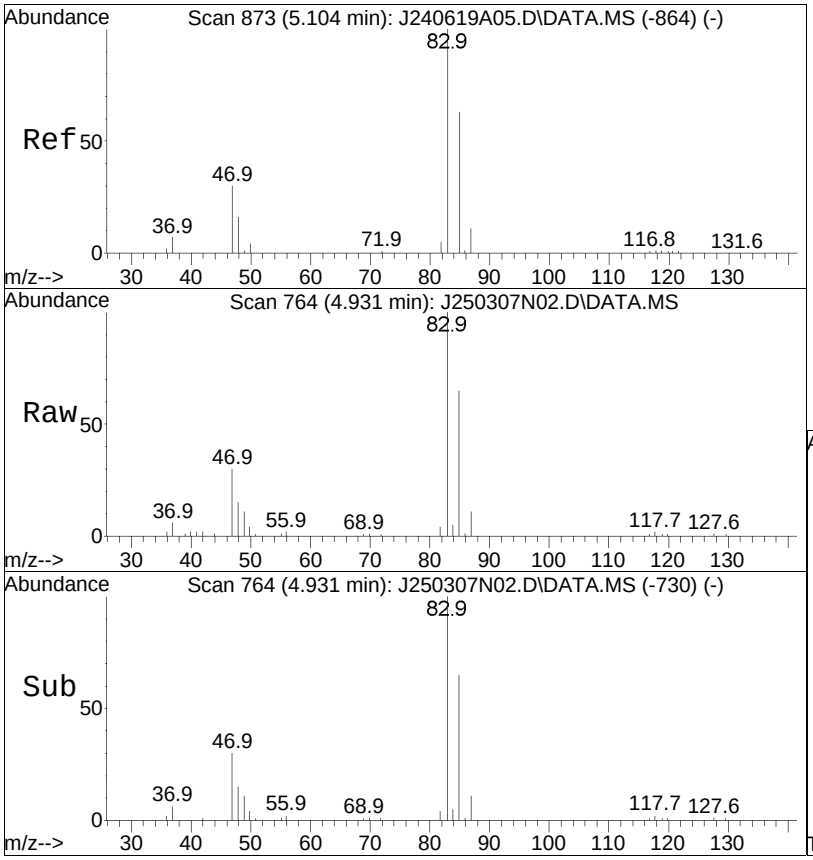


#34
Cyclohexane
Concen: 9.23 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 56 Resp: 87450

Ion	Ratio	Lower	Upper
56	100		
84	81.1	49.9	103.5

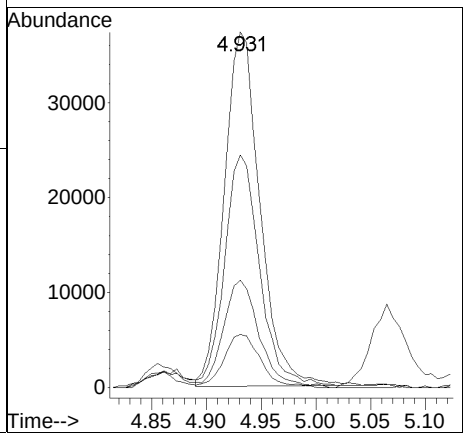


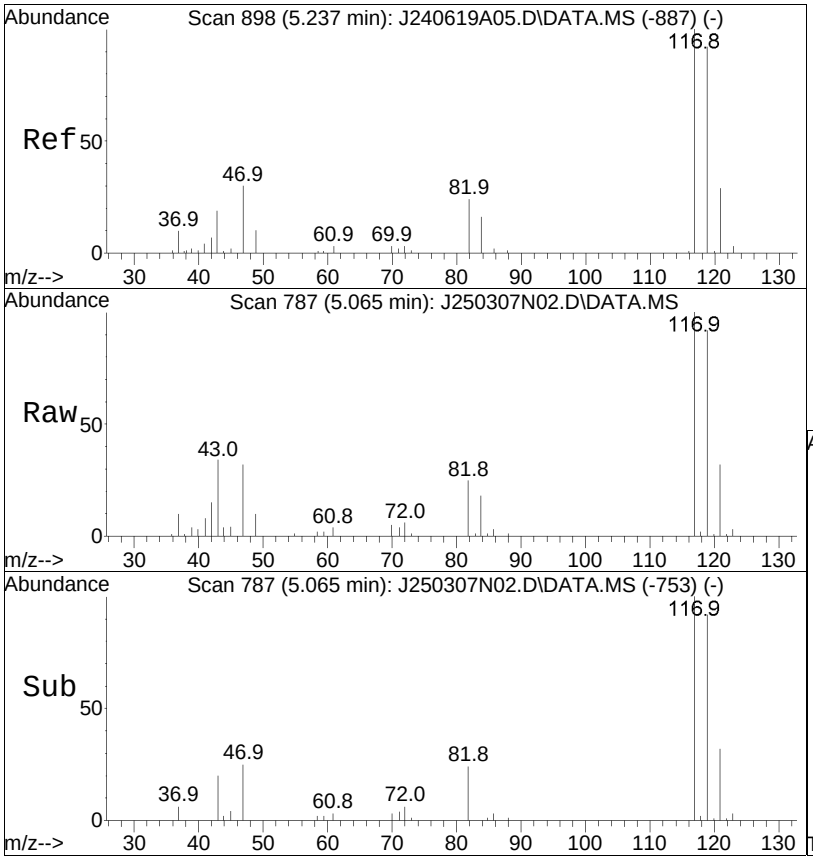


#35
Chloroform
Concen: 9.89 ug/L
RT: 4.931 min Scan# 764
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 83 Resp: 84958

Ion	Ratio	Lower	Upper
83	100		
85	63.9	41.4	86.0
47	30.2	20.5	42.5
48	15.3	9.9	20.5

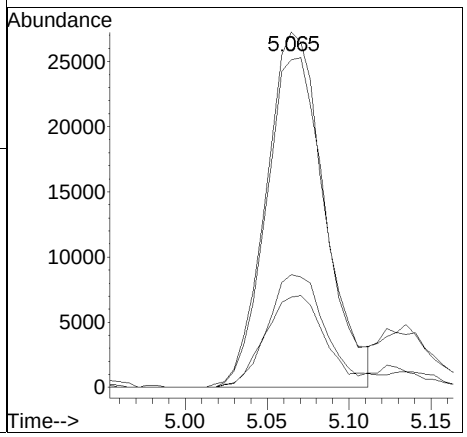


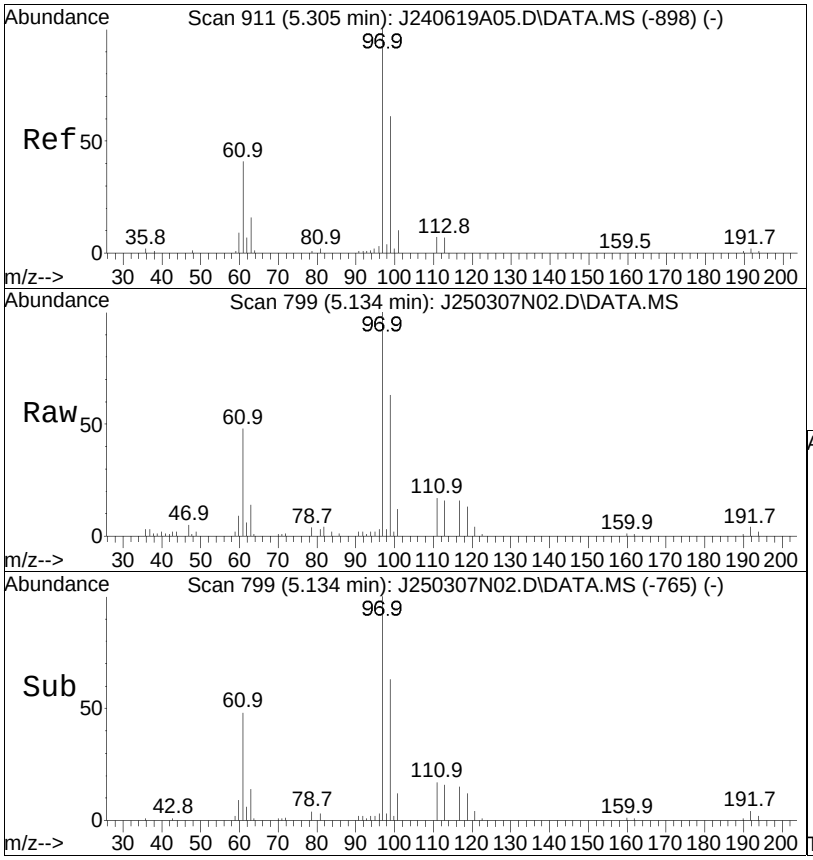


#37
Carbon tetrachloride
Concen: 9.97 ug/L
RT: 5.065 min Scan# 787
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:117 Resp: 67309

Ion	Ratio	Lower	Upper
117	100		
119	95.3	62.0	128.8
121	31.3	19.6	40.6
82	28.0	18.8	39.0

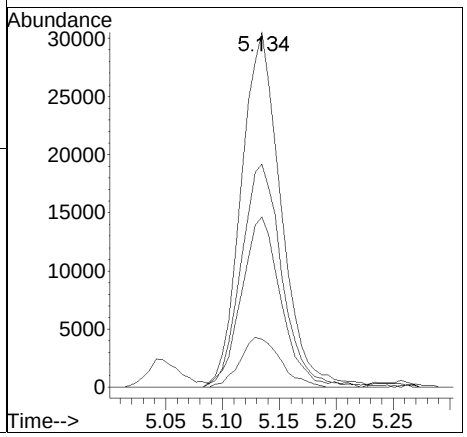


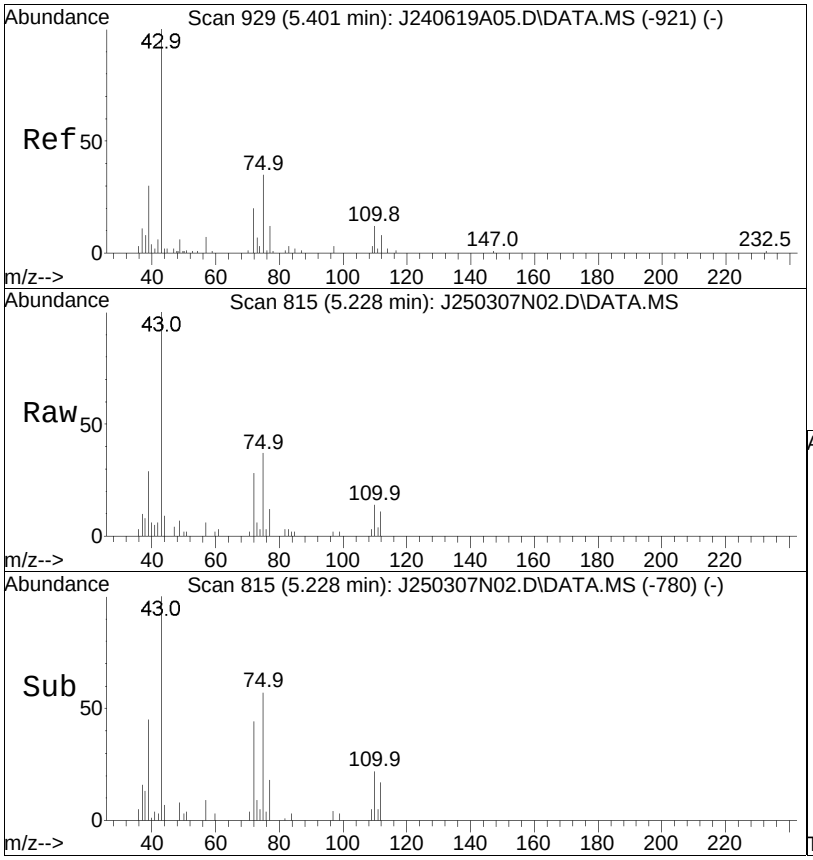


#40
1,1,1-Trichloroethane
Concen: 9.83 ug/L
RT: 5.134 min Scan# 799
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 97 Resp: 74600

Ion	Ratio	Lower	Upper
97	100		
99	64.2	40.6	84.4
61	48.0	35.0	72.8
63	14.4	11.1	23.0

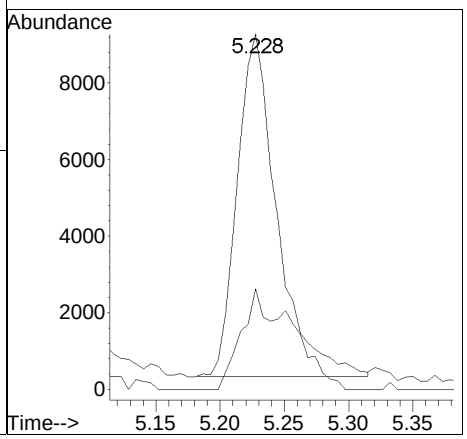


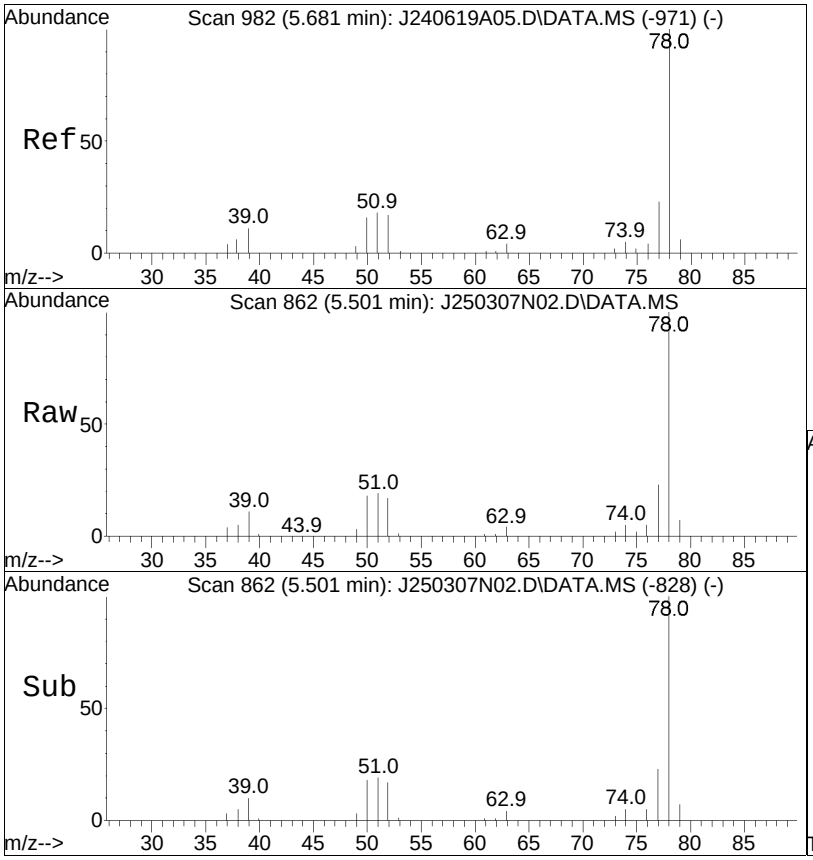


#42
2-Butanone
Concen: 8.66 ug/L
RT: 5.228 min Scan# 815
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 43 Resp: 19408

Ion	Ratio	Lower	Upper
43	100		
72	19.6	18.2	27.4

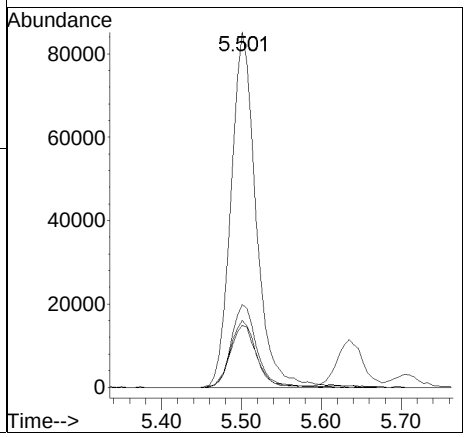


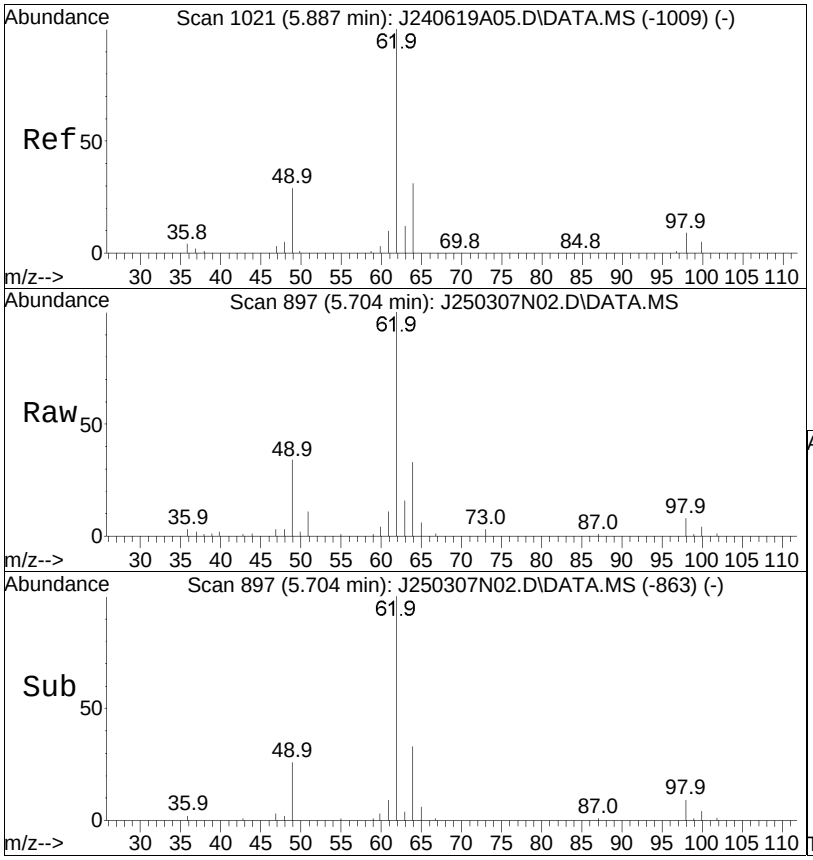


#45
Benzene
Concen: 9.93 ug/L
RT: 5.501 min Scan# 862
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 78 Resp: 186506

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.6	32.4
51	19.2	12.9	26.7
52	18.4	12.4	25.7

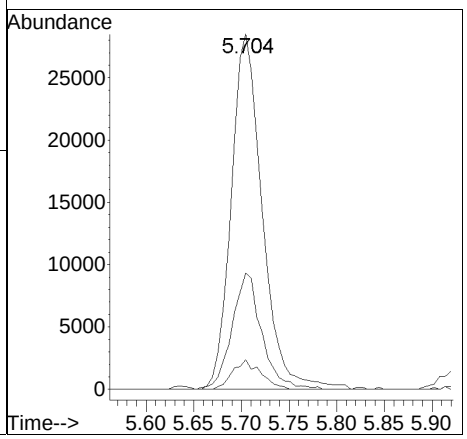


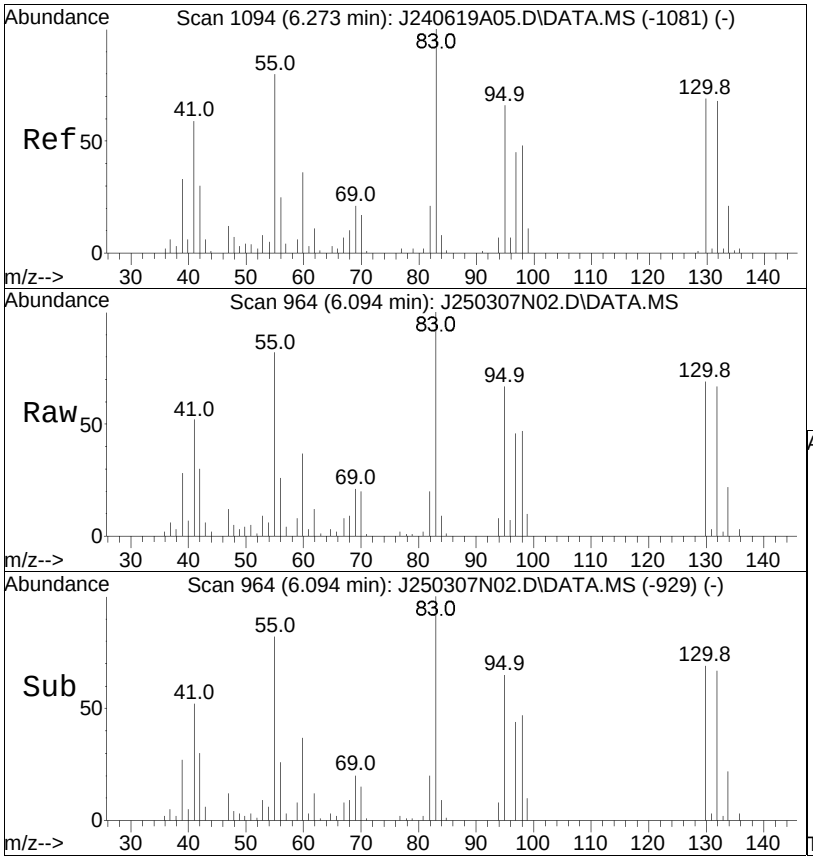


#48
1,2-Dichloroethane
Concen: 9.80 ug/L
RT: 5.704 min Scan# 897
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 62 Resp: 64705

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.5	38.3
98	7.6	5.5	8.3

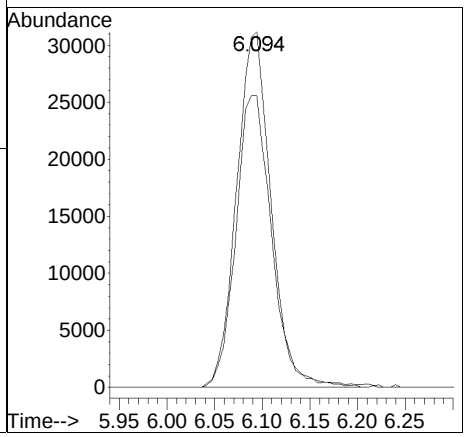


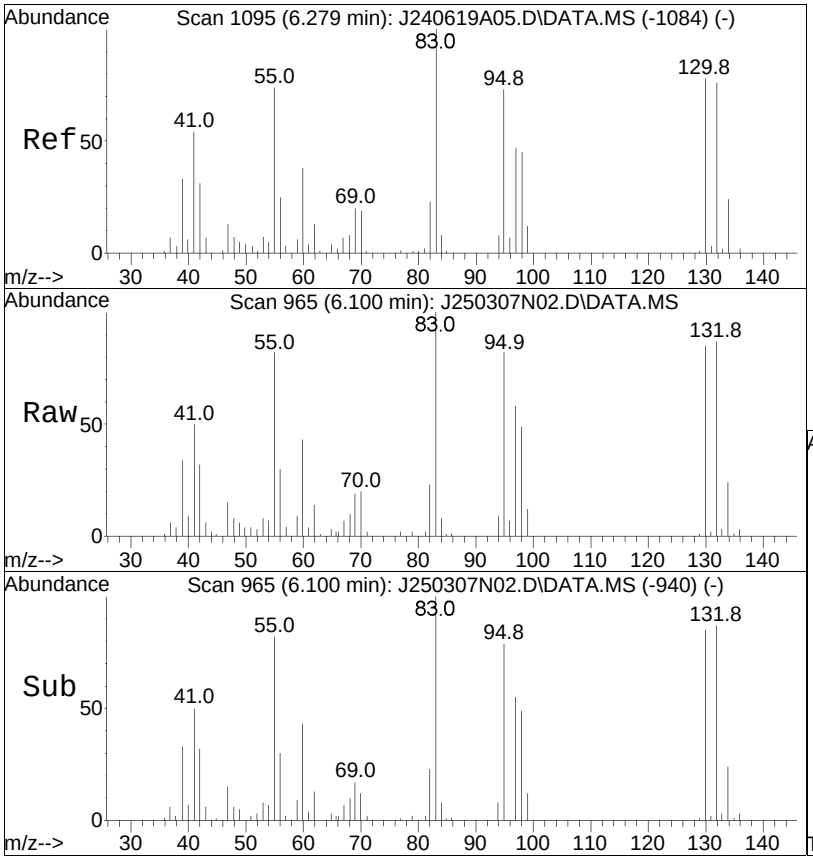


#51
Methyl cyclohexane
Concen: 8.98 ug/L
RT: 6.094 min Scan# 964
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 83 Resp: 78515

Ion	Ratio	Lower	Upper
83	100		
55	84.9	74.6	112.0

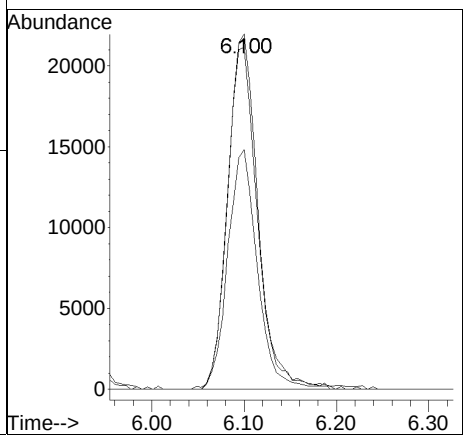


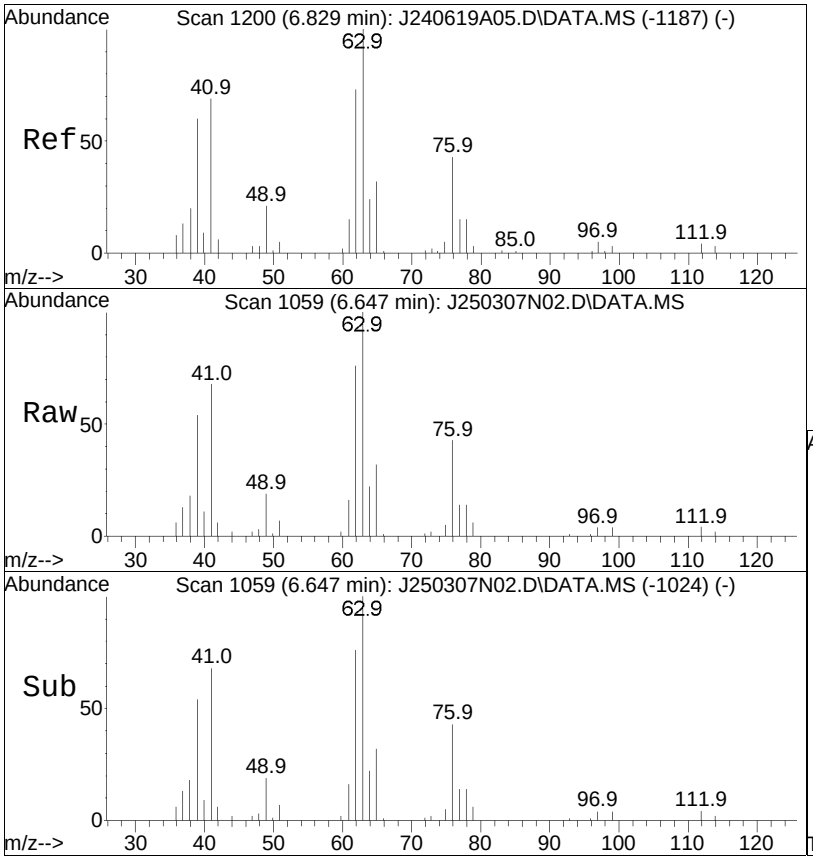


#52
Trichloroethene
Concen: 9.62 ug/L
RT: 6.100 min Scan# 965
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 95 Resp: 48532

Ion	Ratio	Lower	Upper
95	100		
97	68.2	53.8	80.6
130	103.1	71.4	107.0

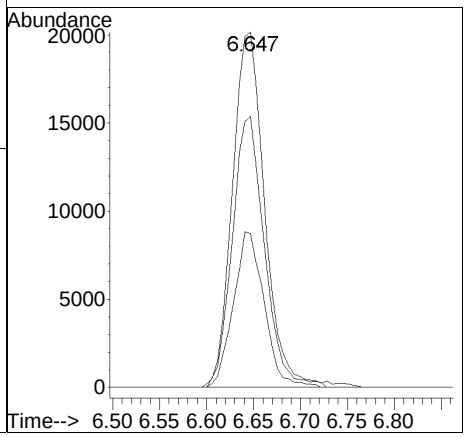


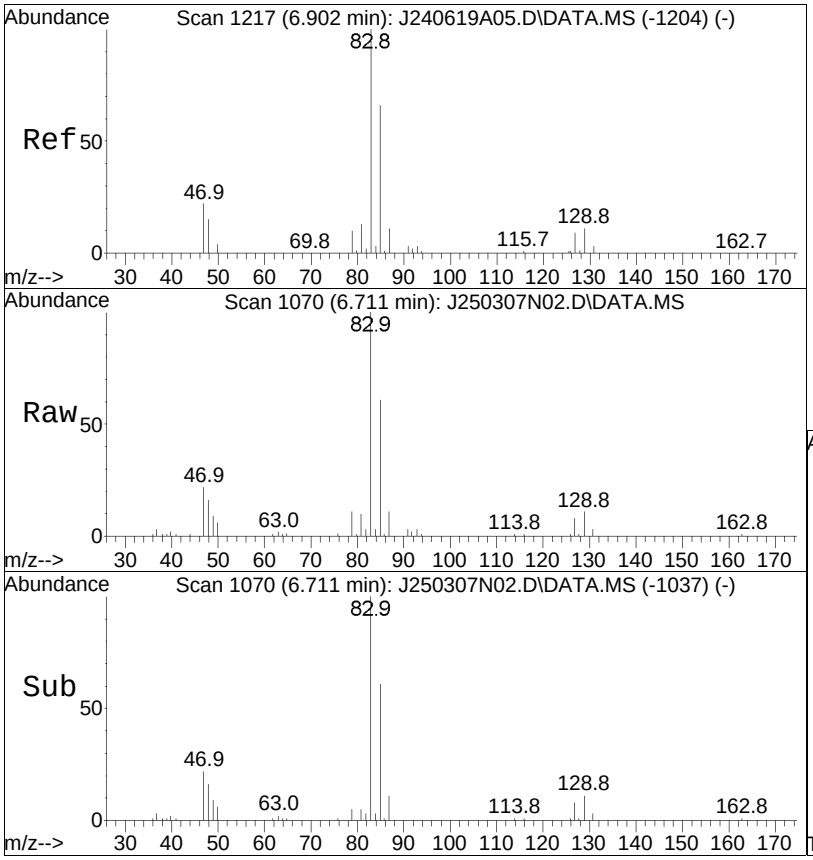


#55
1,2-Dichloropropane
Concen: 10.45 ug/L
RT: 6.647 min Scan# 1059
Delta R.T. 0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 63 Resp: 50849

Ion	Ratio	Lower	Upper
63	100		
62	72.0	58.1	87.1
76	39.6	30.4	45.6

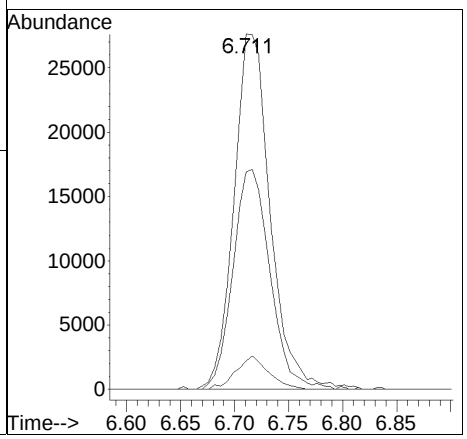


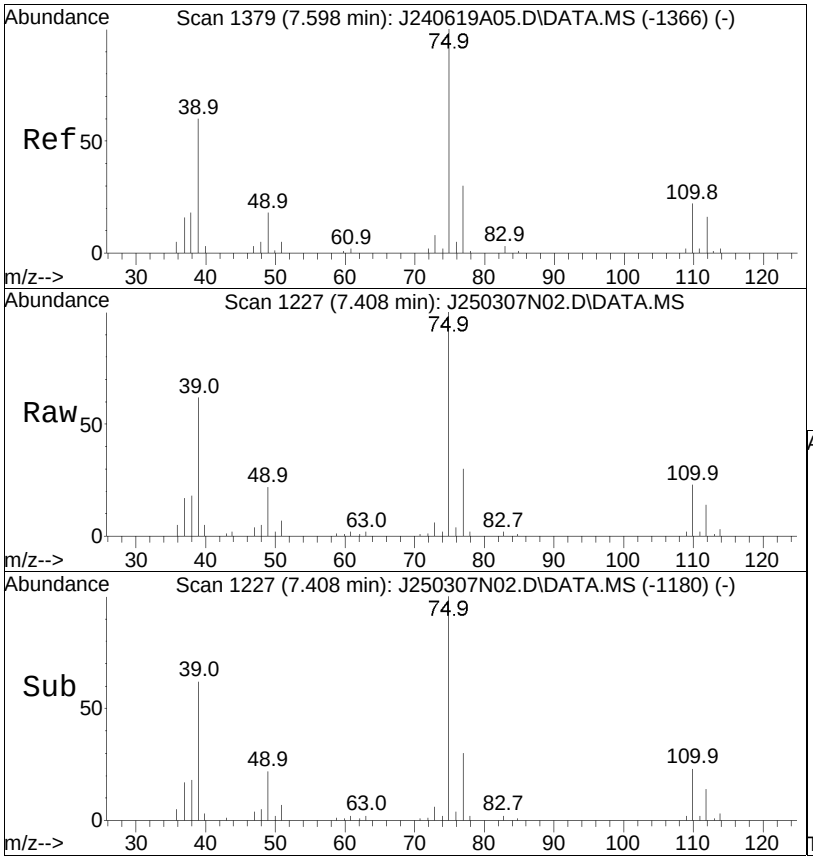


#58
Bromodichloromethane
Concen: 9.45 ug/L
RT: 6.711 min Scan# 1070
Delta R.T. -0.006 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 83 Resp: 60391

Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.2	75.2
127	9.8	5.2	7.8#

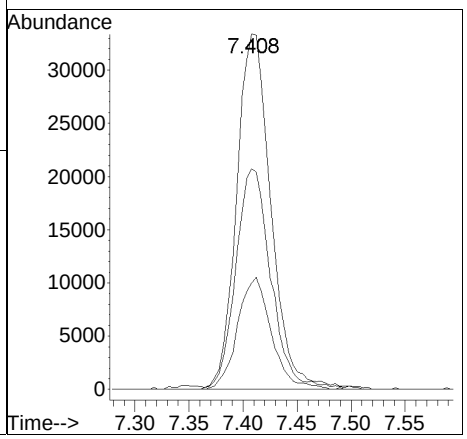


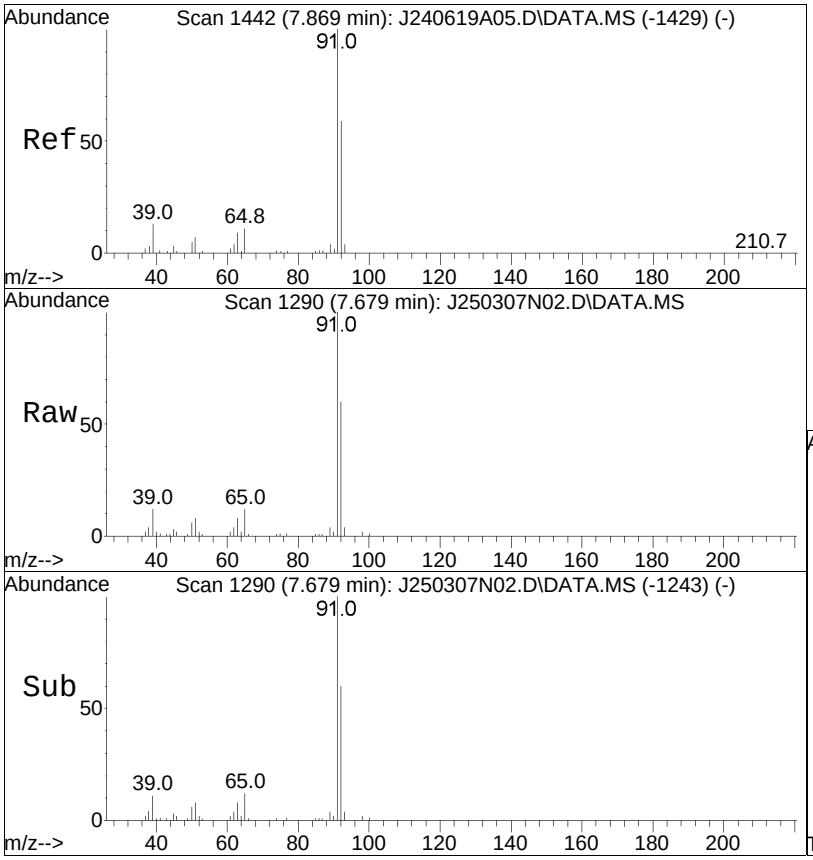


#62
cis-1,3-Dichloropropene
Concen: 9.75 ug/L
RT: 7.408 min Scan# 1227
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 75 Resp: 74138

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2
39	62.2	54.6	82.0

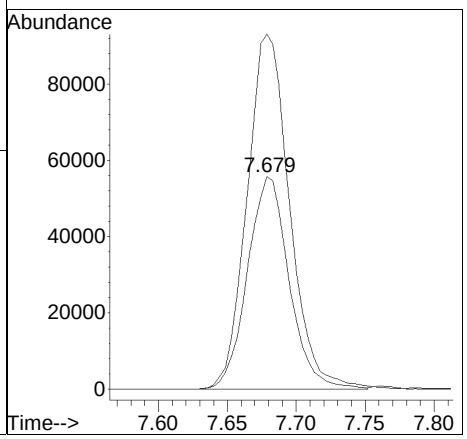


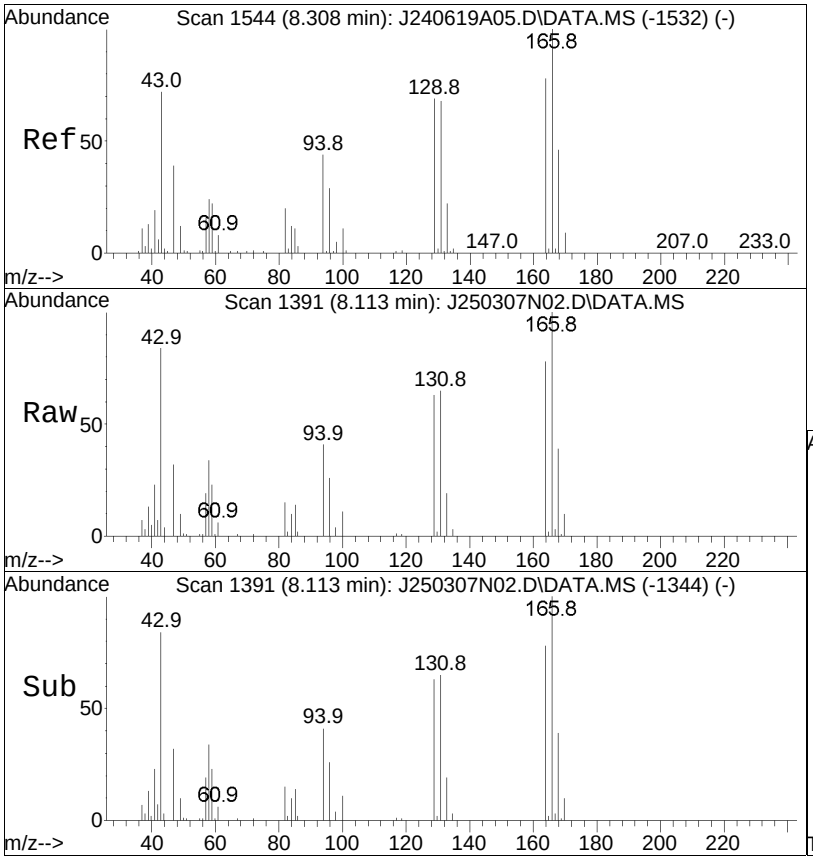


#65
Toluene
Concen: 9.63 ug/L
RT: 7.679 min Scan# 1290
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 92 Resp: 117353

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.5	206.3

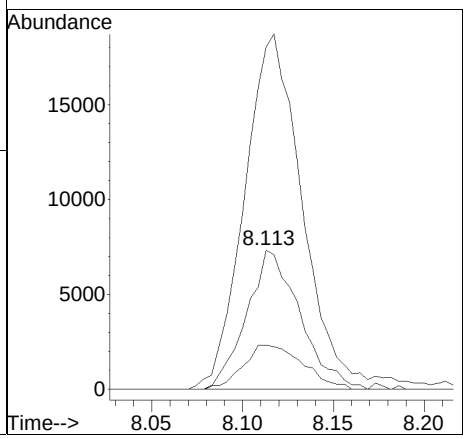


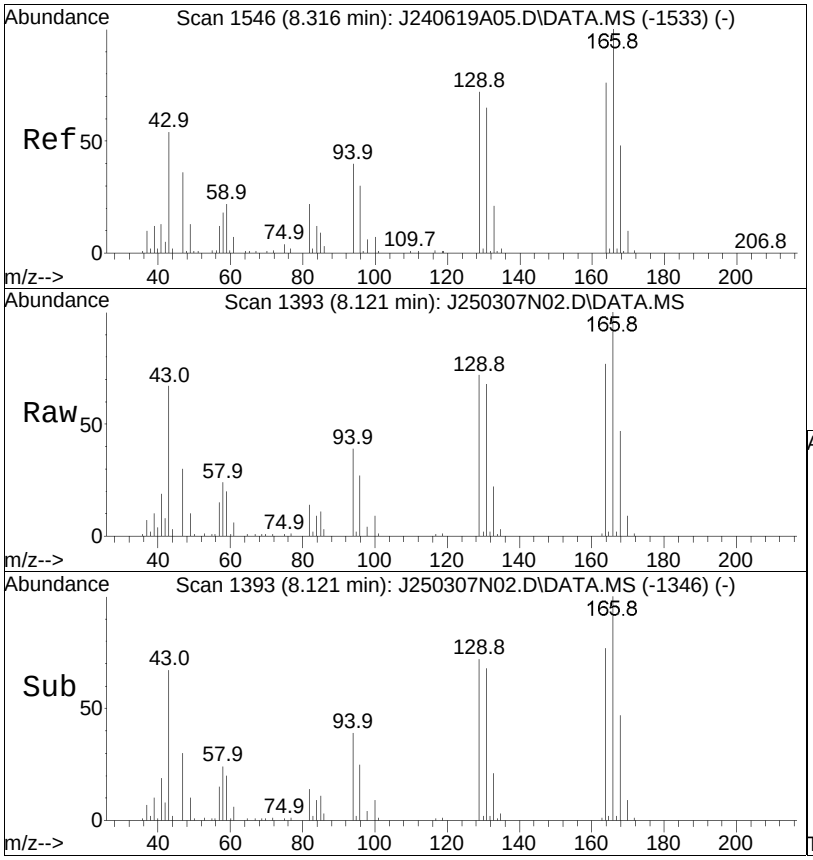


#66
4-Methyl-2-pentanone
Concen: 8.70 ug/L
RT: 8.113 min Scan# 1391
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 58 Resp: 14996

Ion	Ratio	Lower	Upper
58	100		
100	36.0	22.6	34.0#
43	280.7	234.6	351.8

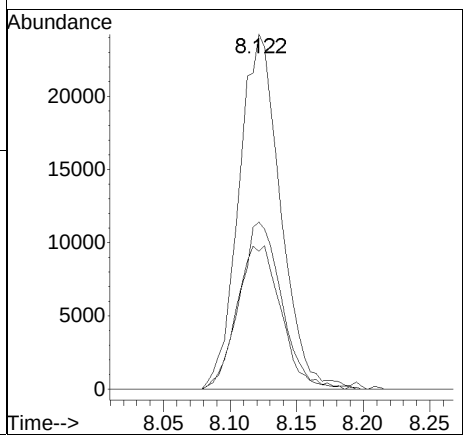


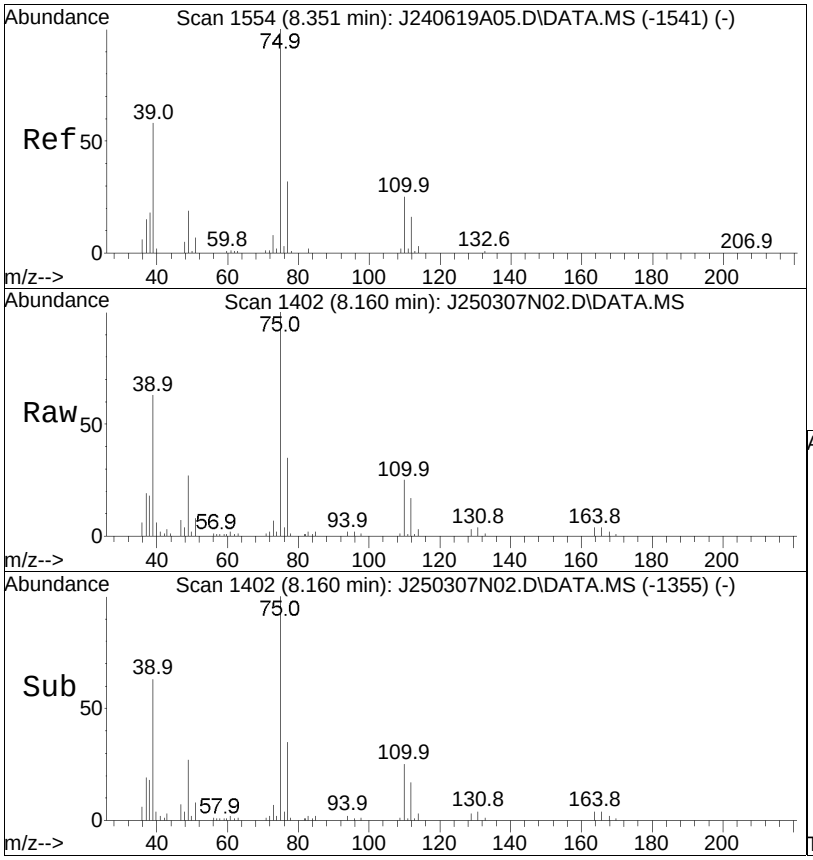


#67
Tetrachloroethene
Concen: 9.31 ug/L
RT: 8.121 min Scan# 1393
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:166 Resp: 52896

Ion	Ratio	Lower	Upper
166	100		
168	47.7	38.6	58.0
94	43.1	42.6	63.8

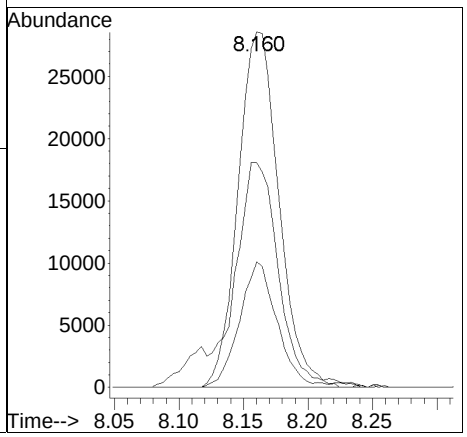


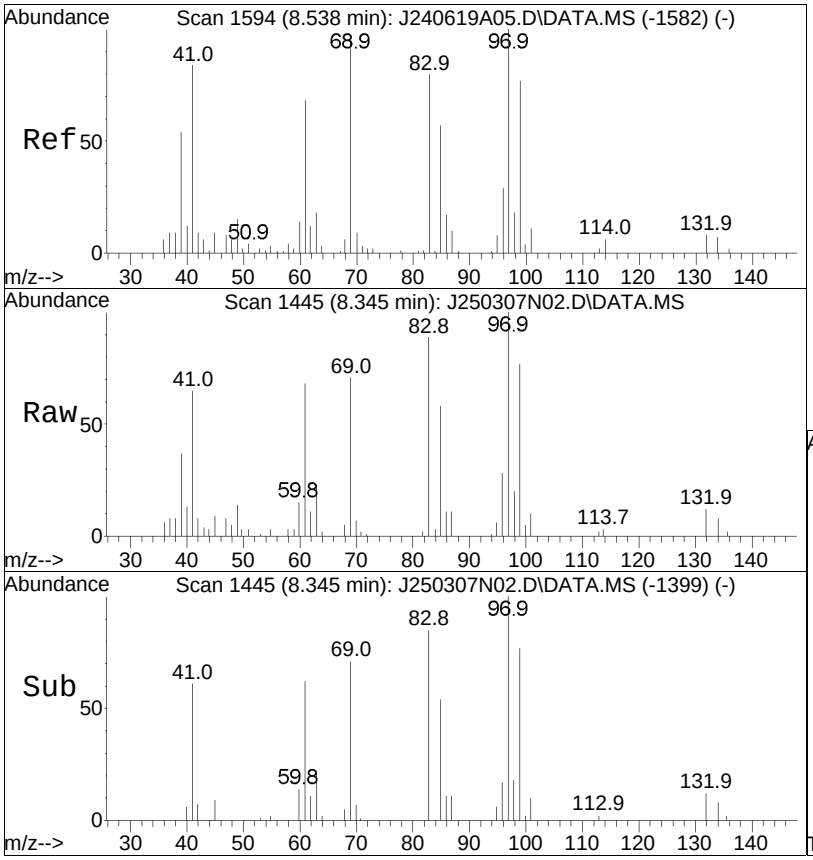


#69
trans-1,3-Dichloropropene
Concen: 9.29 ug/L
RT: 8.160 min Scan# 1402
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 75 Resp: 63487

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	65.6	60.2	90.4

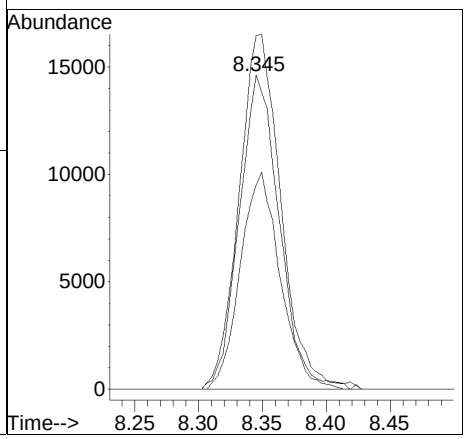


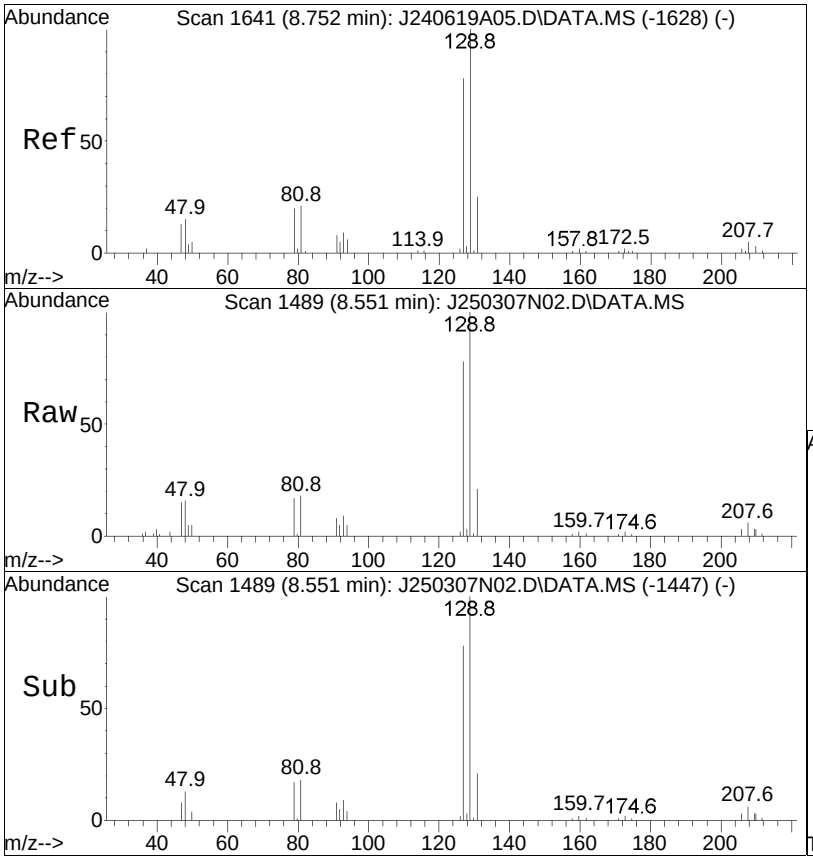


#72
1,1,2-Trichloroethane
Concen: 9.54 ug/L
RT: 8.345 min Scan# 1445
Delta R.T. -0.004 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 83 Resp: 34533

Ion	Ratio	Lower	Upper
83	100		
97	117.2	87.7	131.5
85	69.1	53.1	79.7

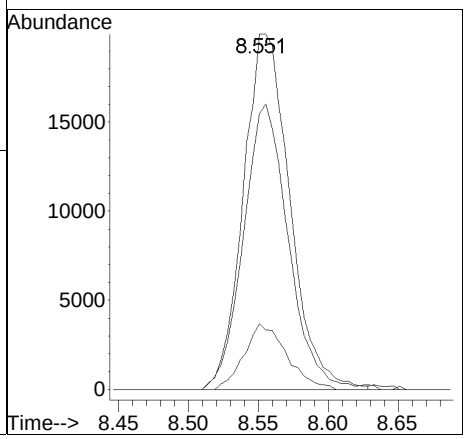


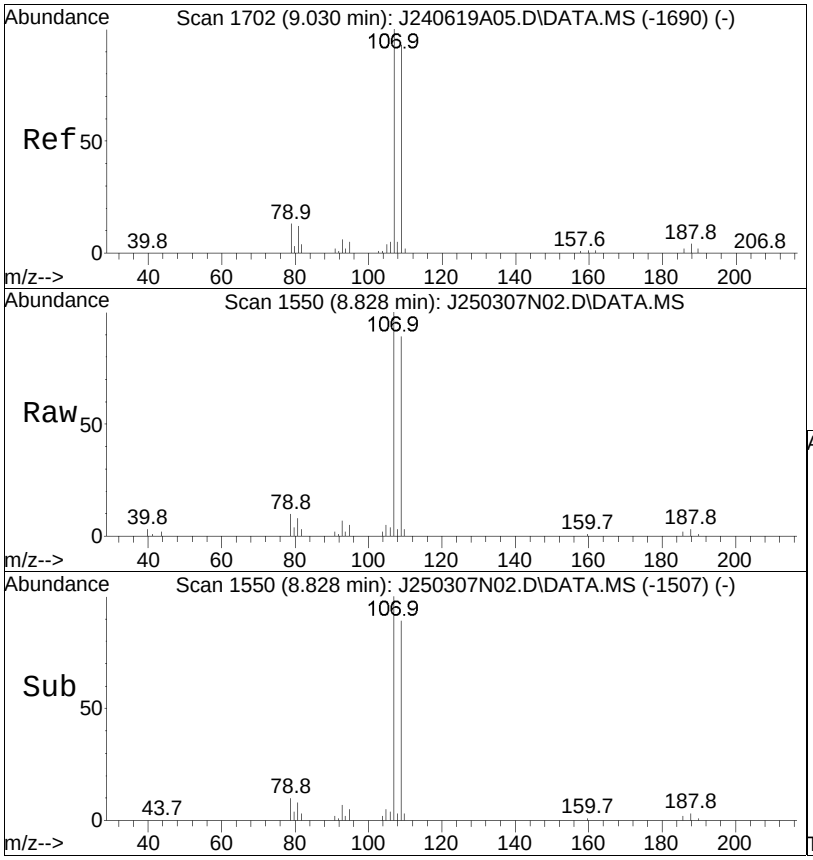


#73
Chlorodibromomethane
Concen: 9.16 ug/L
RT: 8.551 min Scan# 1489
Delta R.T. -0.004 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:129 Resp: 46183

Ion	Ratio	Lower	Upper
129	100		
81	16.8	14.6	22.0
127	77.3	62.6	93.8

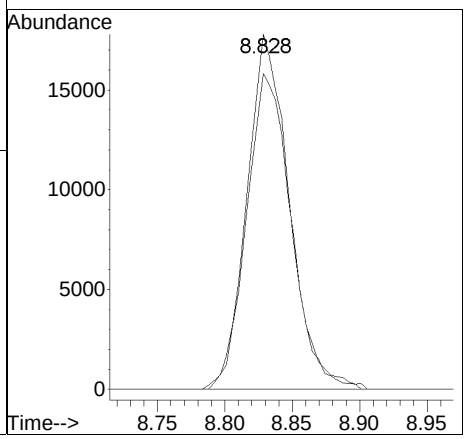


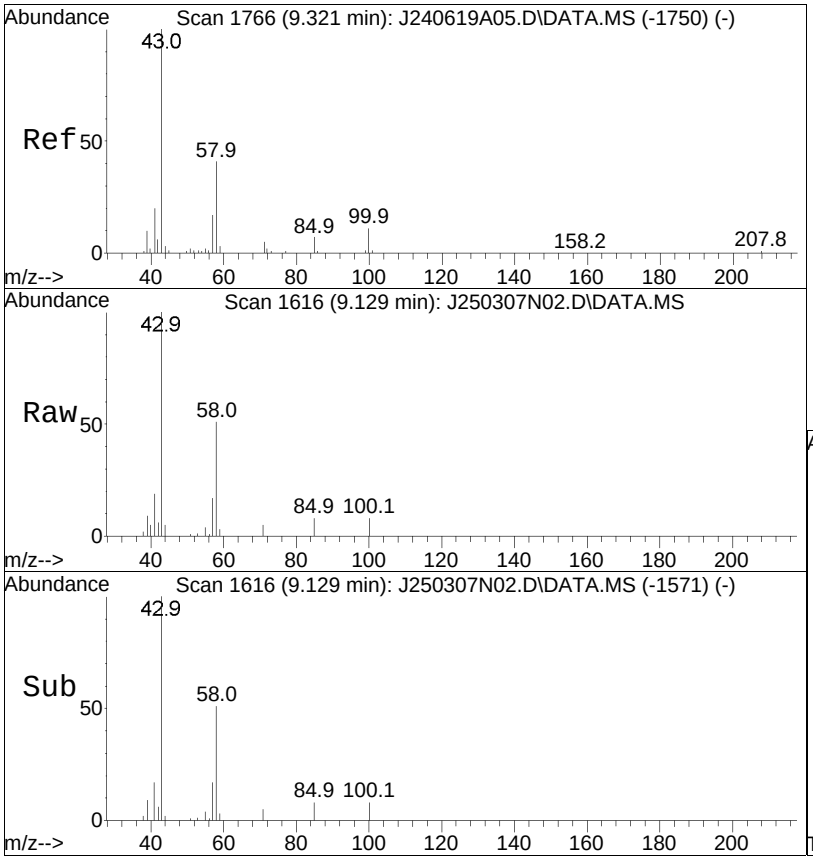


#75
1,2-Dibromoethane
Concen: 9.60 ug/L
RT: 8.828 min Scan# 1550
Delta R.T. -0.004 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:107 Resp: 39064

Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.0	112.4

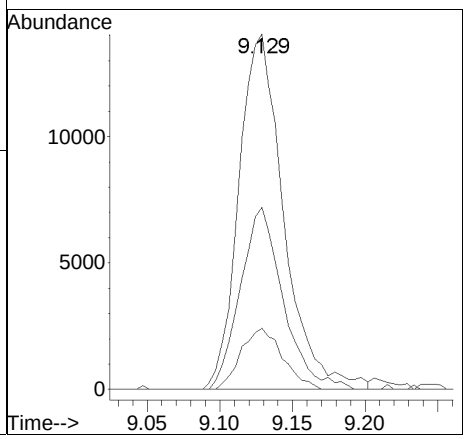


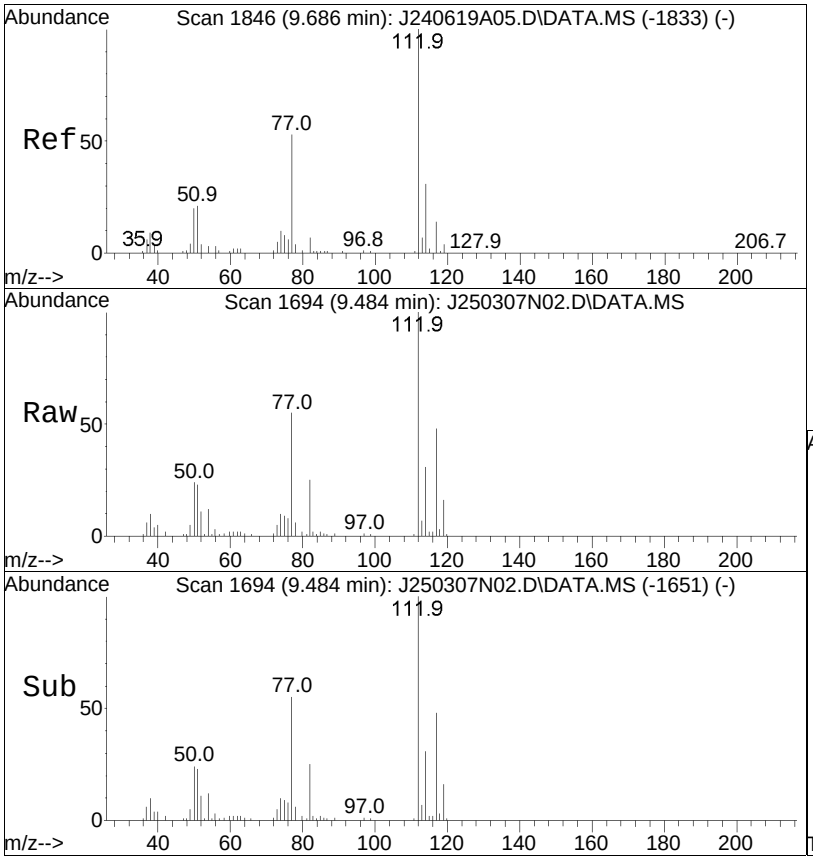


#77
2-Hexanone
Concen: 8.59 ug/L
RT: 9.129 min Scan# 1616
Delta R.T. 0.005 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 43 Resp: 30277

Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.6	58.0
57	16.0	14.1	21.1

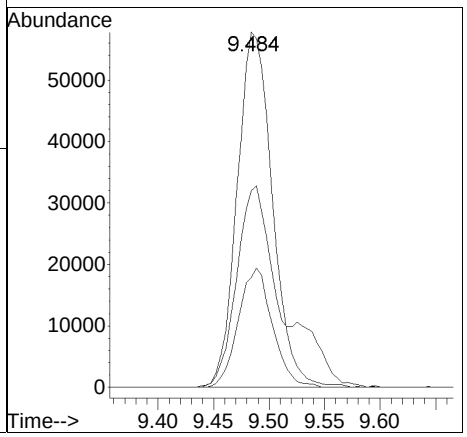


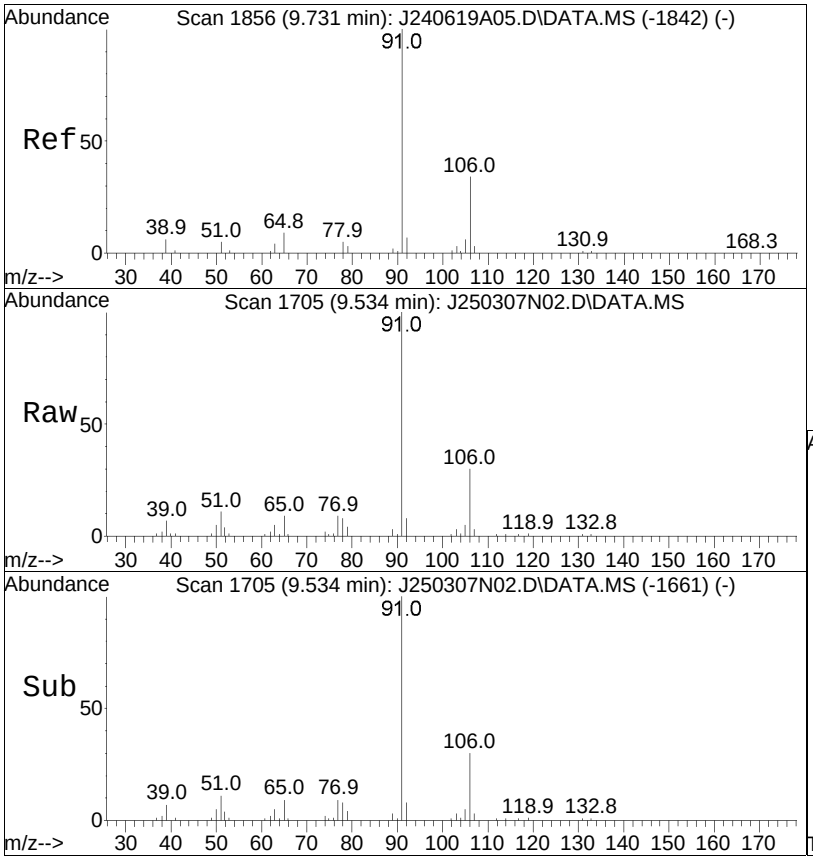


#78
Chlorobenzene
Concen: 9.51 ug/L
RT: 9.484 min Scan# 1694
Delta R.T. -0.004 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:112 Resp: 127761

Ion	Ratio	Lower	Upper
112	100		
77	59.5	54.8	82.2
114	32.5	25.4	38.0

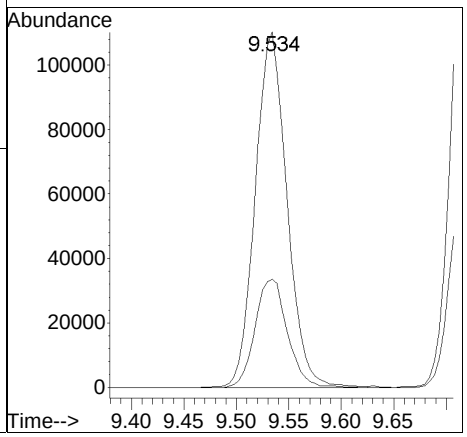


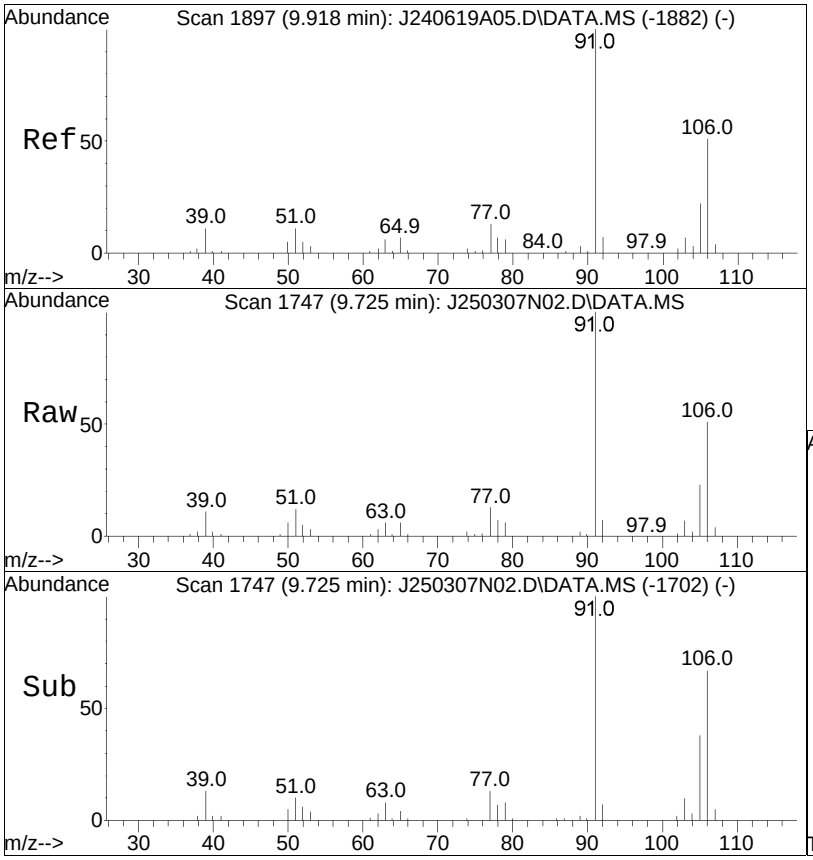


#79
Ethylbenzene
Concen: 9.57 ug/L
RT: 9.534 min Scan# 1705
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 91 Resp: 231369

Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.4	35.2

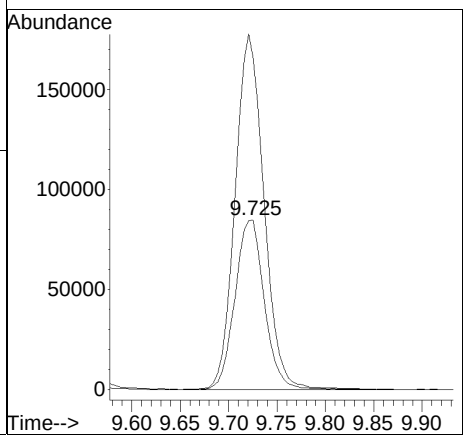


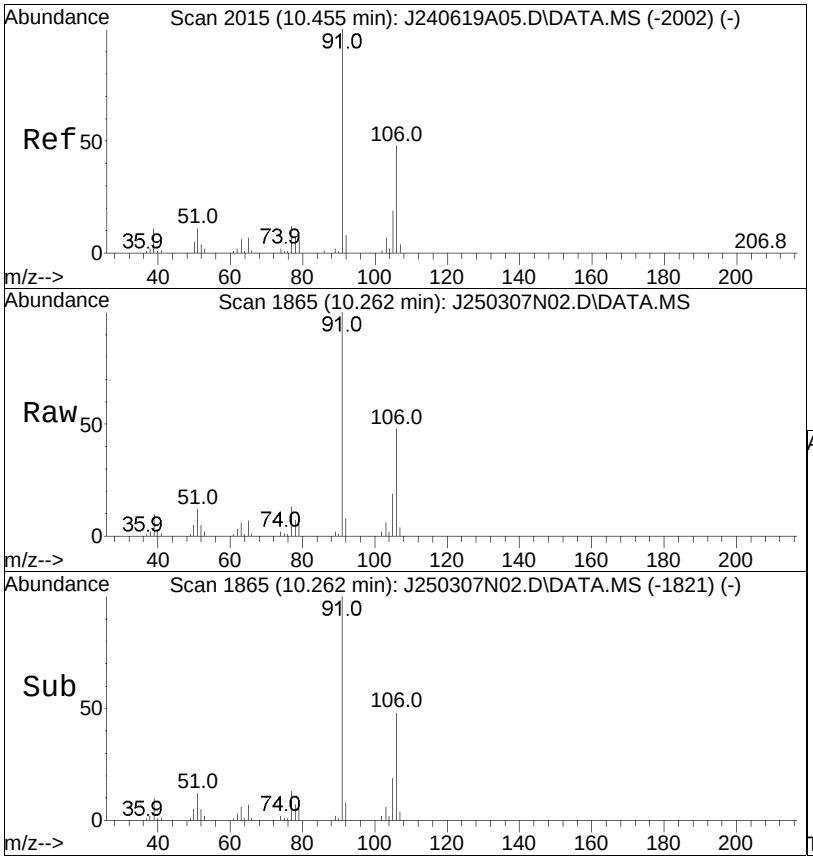


#81
p/m Xylene
Concen: 18.90 ug/L
RT: 9.725 min Scan# 1747
Delta R.T. 0.005 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:106 Resp: 178745

Ion	Ratio	Lower	Upper
106	100		
91	205.8	171.4	257.2

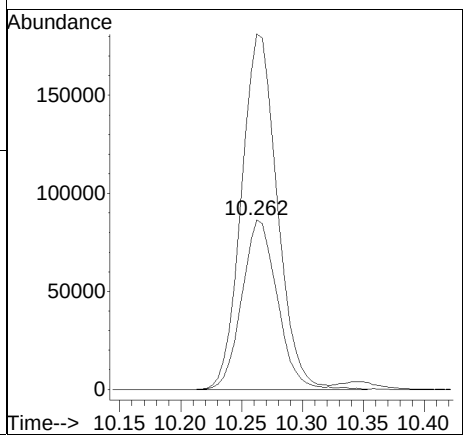


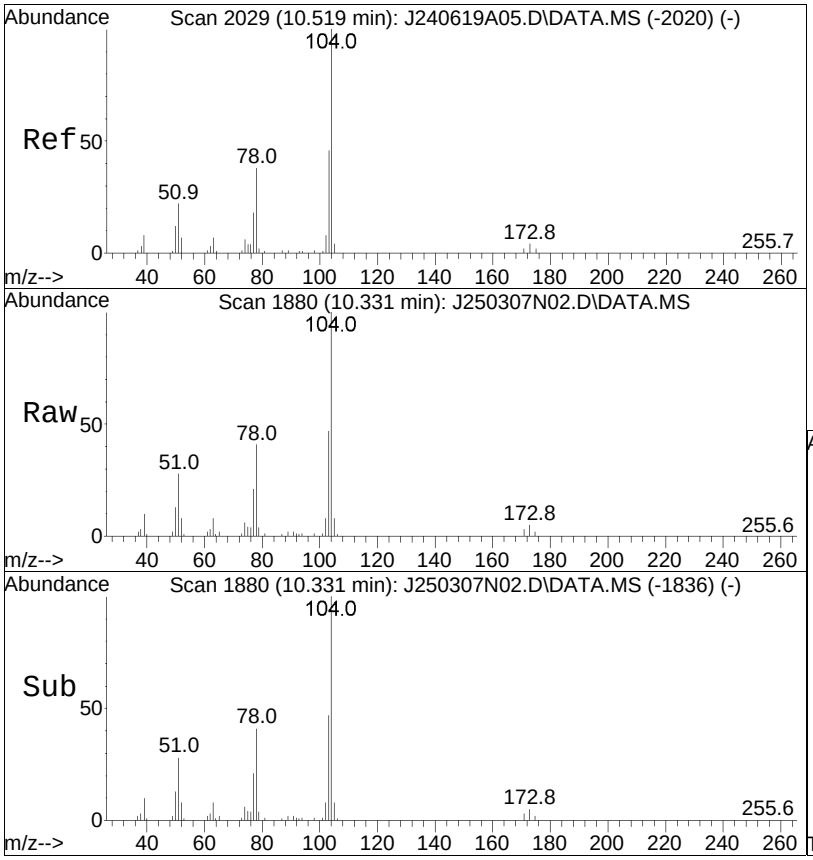


#82
o Xylene
Concen: 19.23 ug/L
RT: 10.262 min Scan# 1865
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:106 Resp: 174717

Ion	Ratio	Lower	Upper
106	100		
91	211.7	179.2	268.8

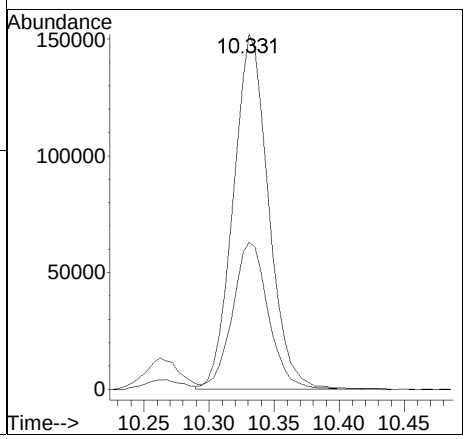


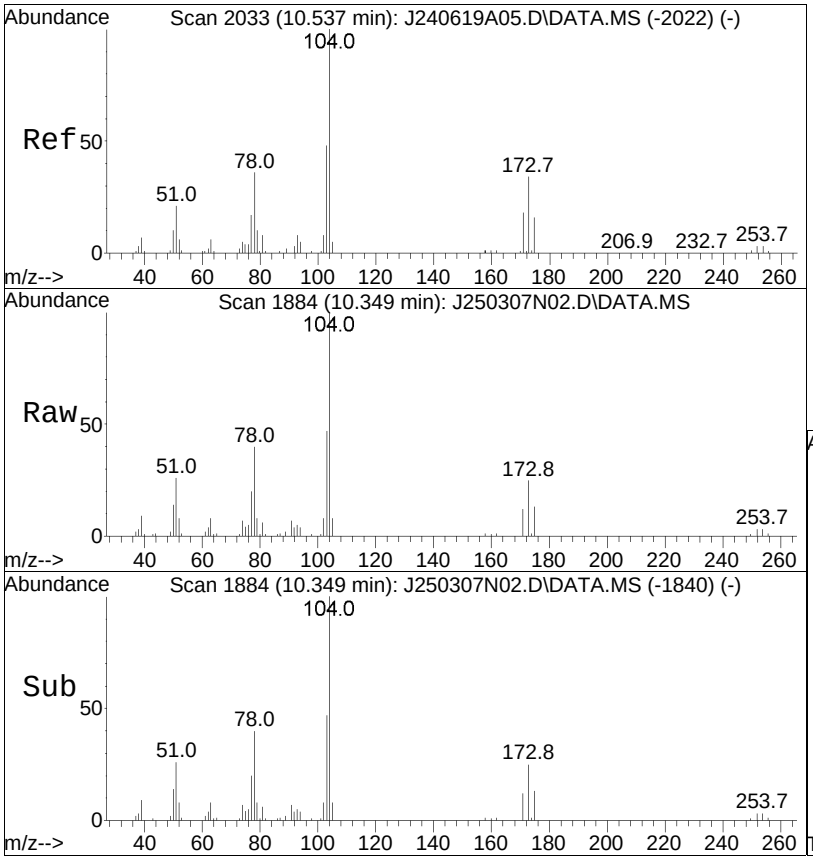


#83
Styrene
Concen: 18.43 ug/L
RT: 10.331 min Scan# 1880
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:104 Resp: 285226

Ion	Ratio	Lower	Upper
104	100		
78	42.4	38.1	57.1

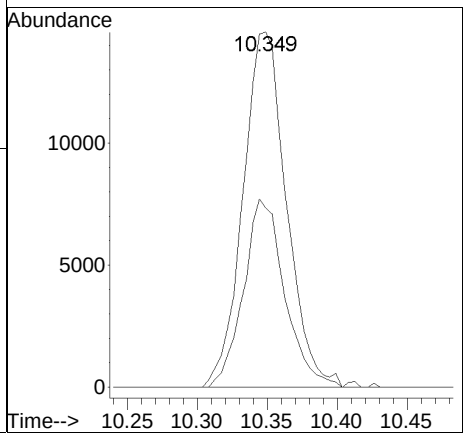


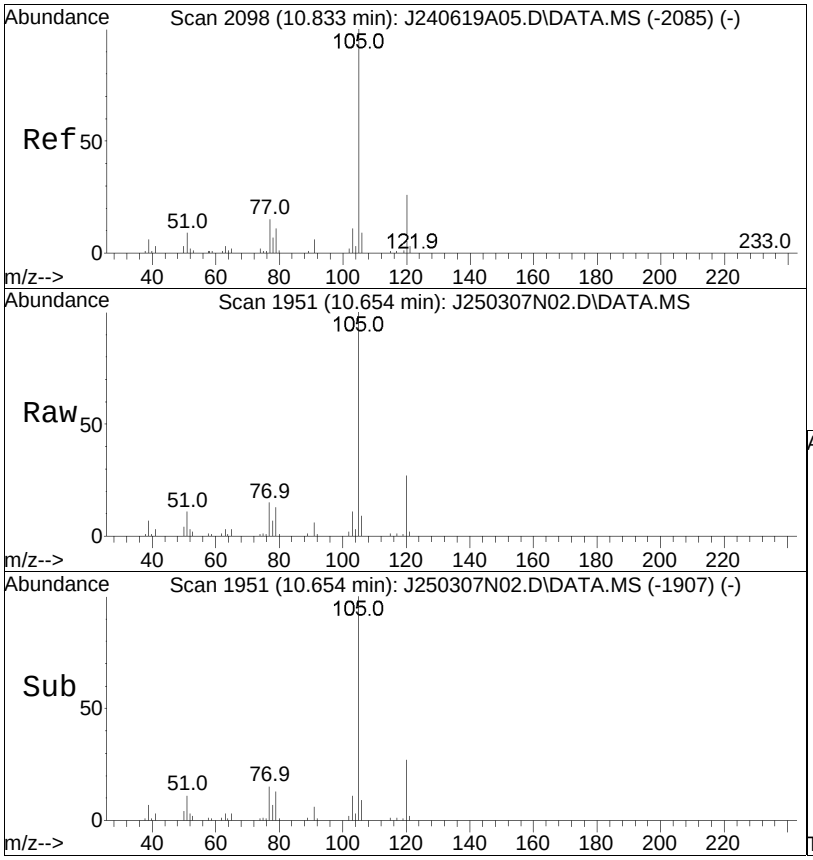


#85
Bromoform
Concen: 8.94 ug/L
RT: 10.349 min Scan# 1884
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:173 Resp: 31635

Ion	Ratio	Lower	Upper
173	100		
175	50.1	37.8	56.6

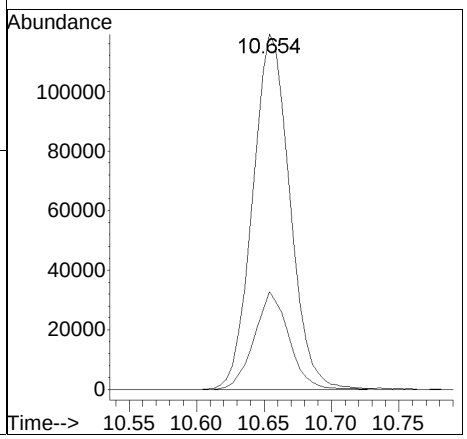


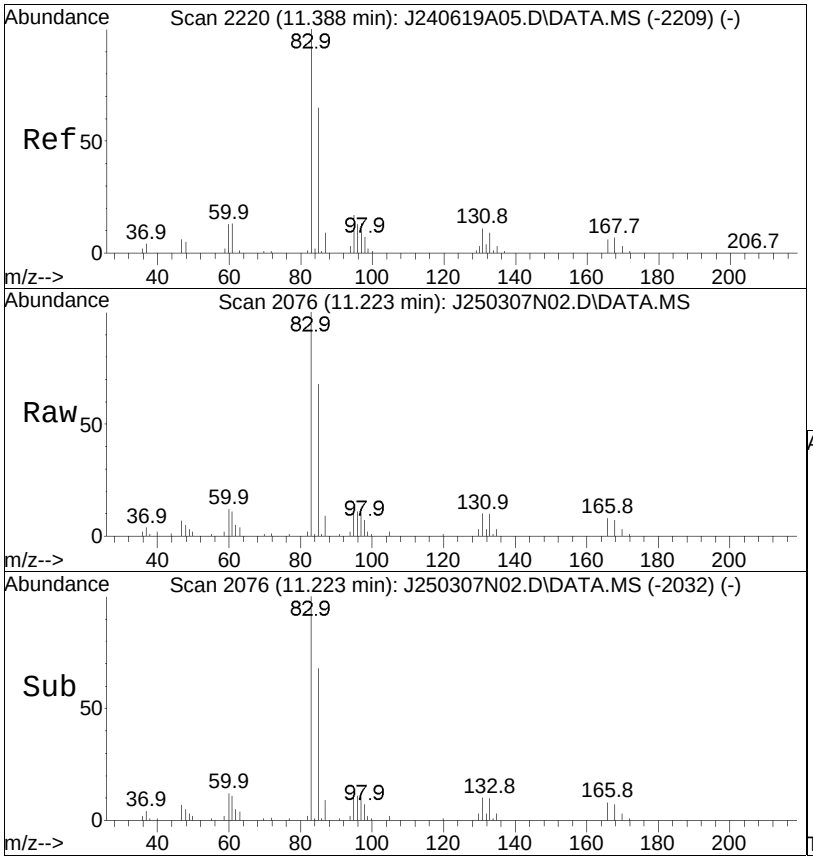


#87
Isopropylbenzene
Concen: 9.46 ug/L
RT: 10.654 min Scan# 1951
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:105 Resp: 228342

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.0	30.0

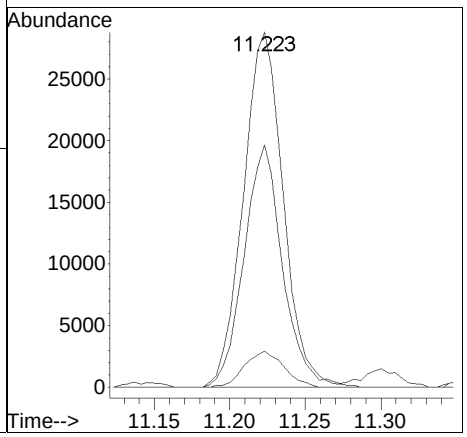


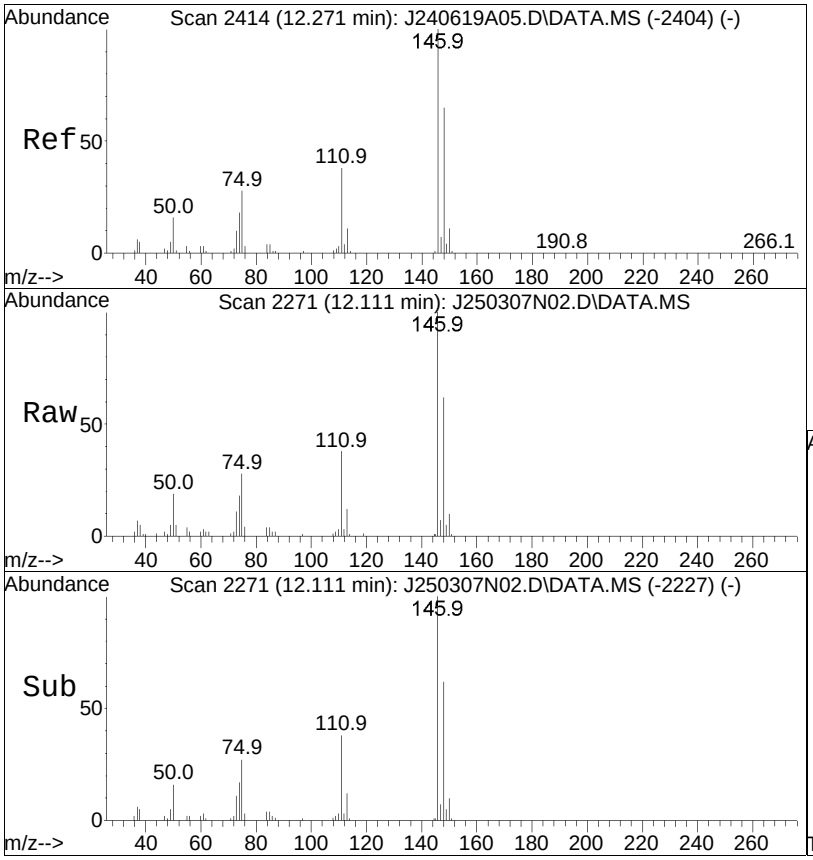


#92
1,1,2,2-Tetrachloroethane
Concen: 9.44 ug/L
RT: 11.223 min Scan# 2076
Delta R.T. -0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion: 83 Resp: 52987

Ion	Ratio	Lower	Upper
83	100		
131	10.2	6.6	10.0#
85	65.8	51.8	77.6

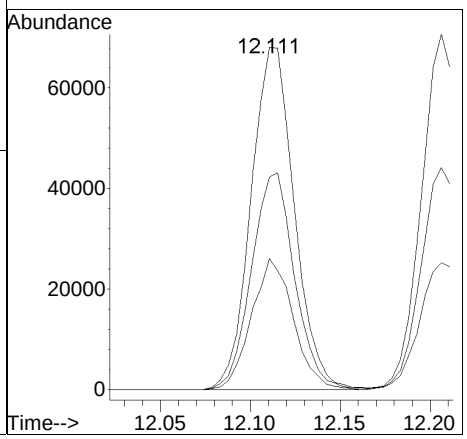


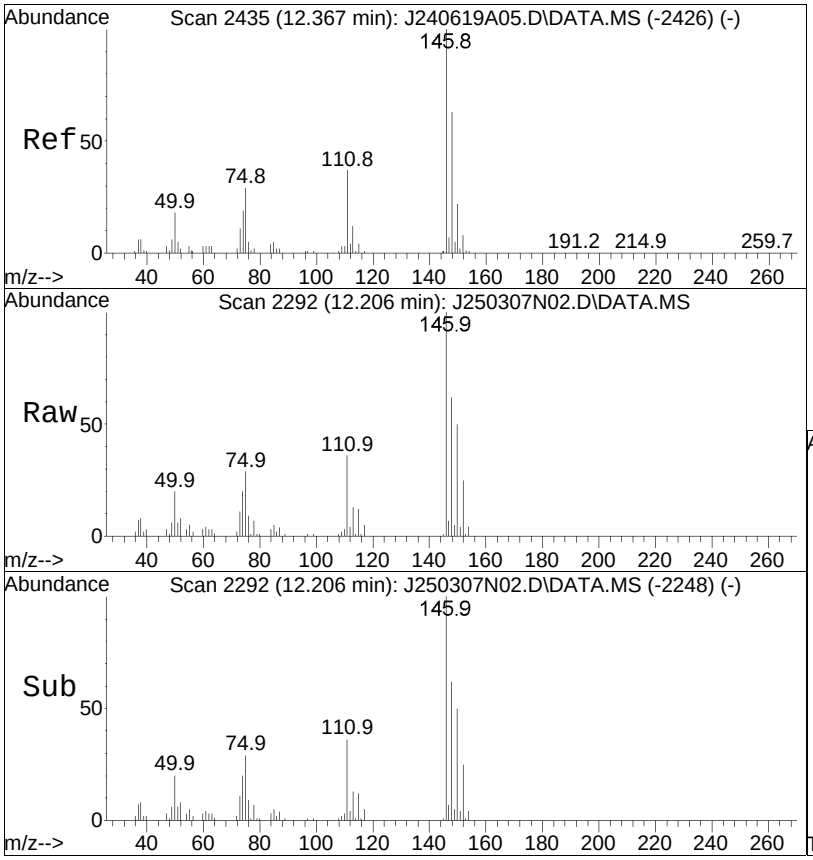


#105
1,3-Dichlorobenzene
Concen: 9.67 ug/L
RT: 12.111 min Scan# 2271
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:146 Resp: 113977

Ion	Ratio	Lower	Upper
146	100		
111	36.9	28.0	58.1
148	63.0	40.8	84.6

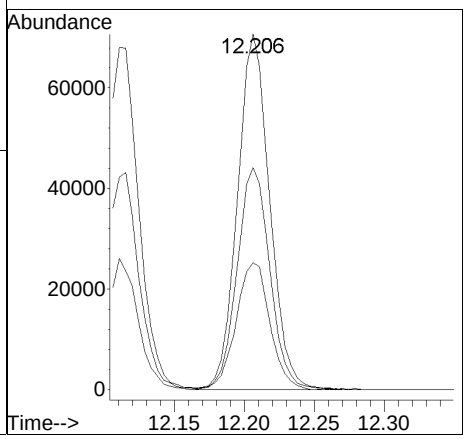


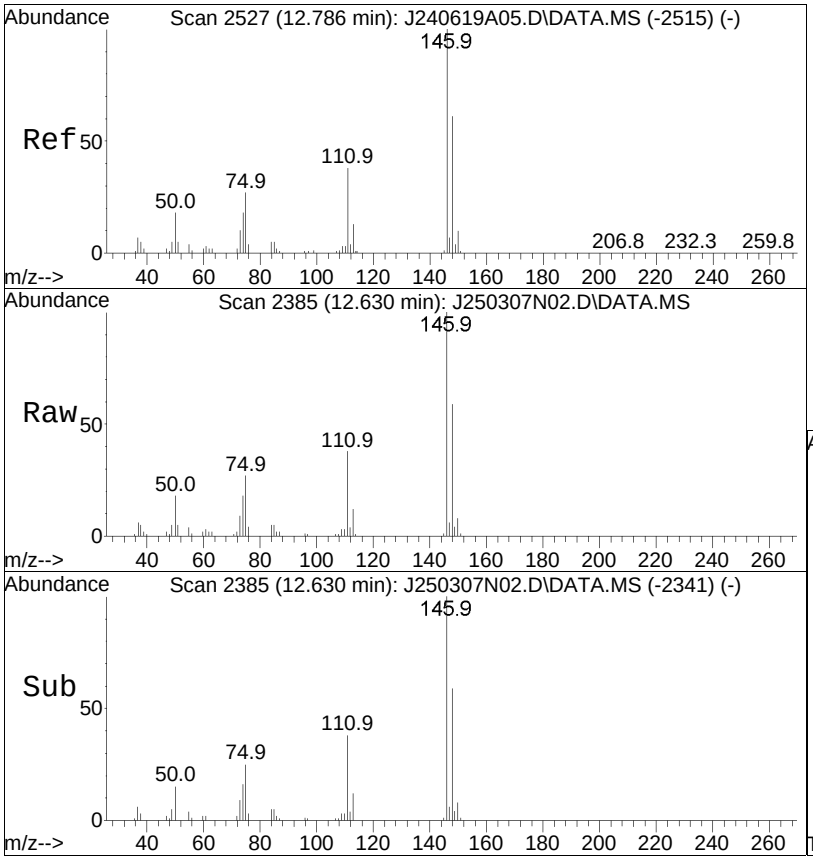


#106
1,4-Dichlorobenzene
Concen: 9.60 ug/L
RT: 12.206 min Scan# 2292
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:146 Resp: 113125

Ion	Ratio	Lower	Upper
146	100		
111	37.3	33.7	50.5
148	63.5	50.8	76.2

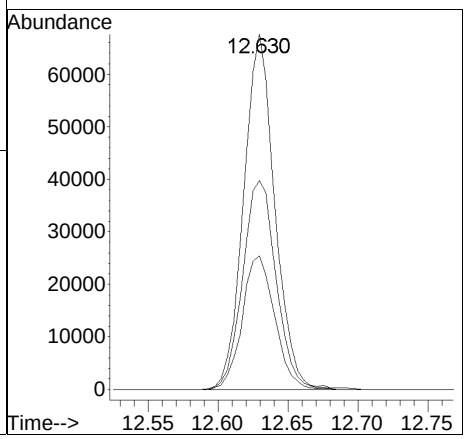


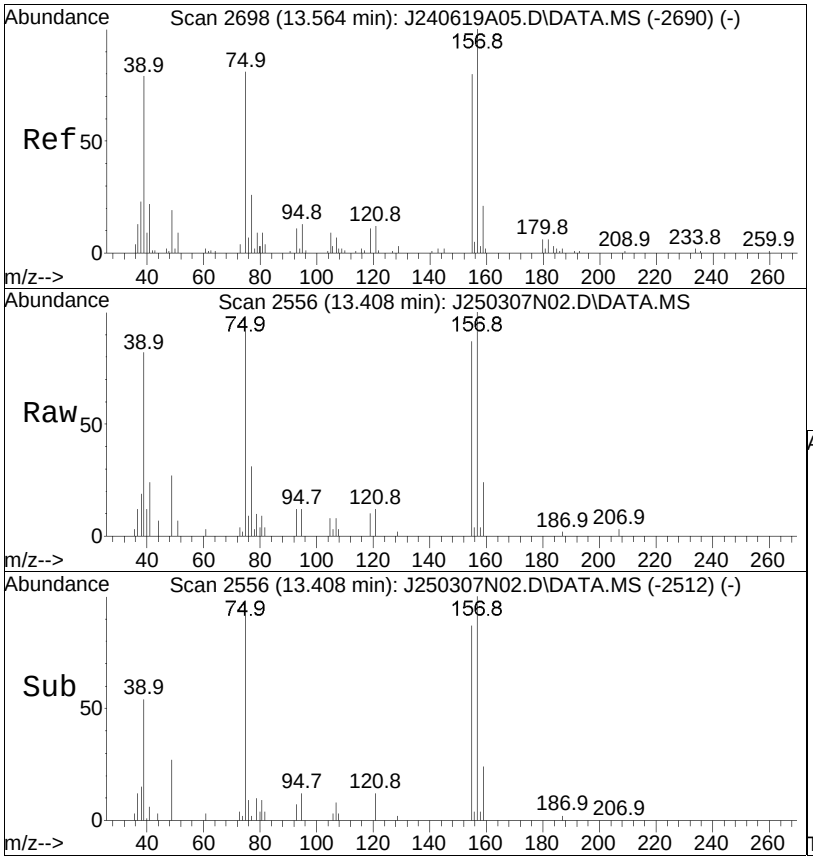


#109
1,2-Dichlorobenzene
Concen: 9.58 ug/L
RT: 12.630 min Scan# 2385
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:146 Resp: 104691

Ion	Ratio	Lower	Upper
146	100		
111	39.2	29.5	61.3
148	63.0	41.3	85.9

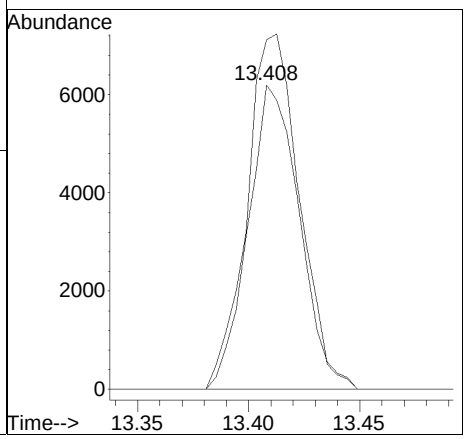


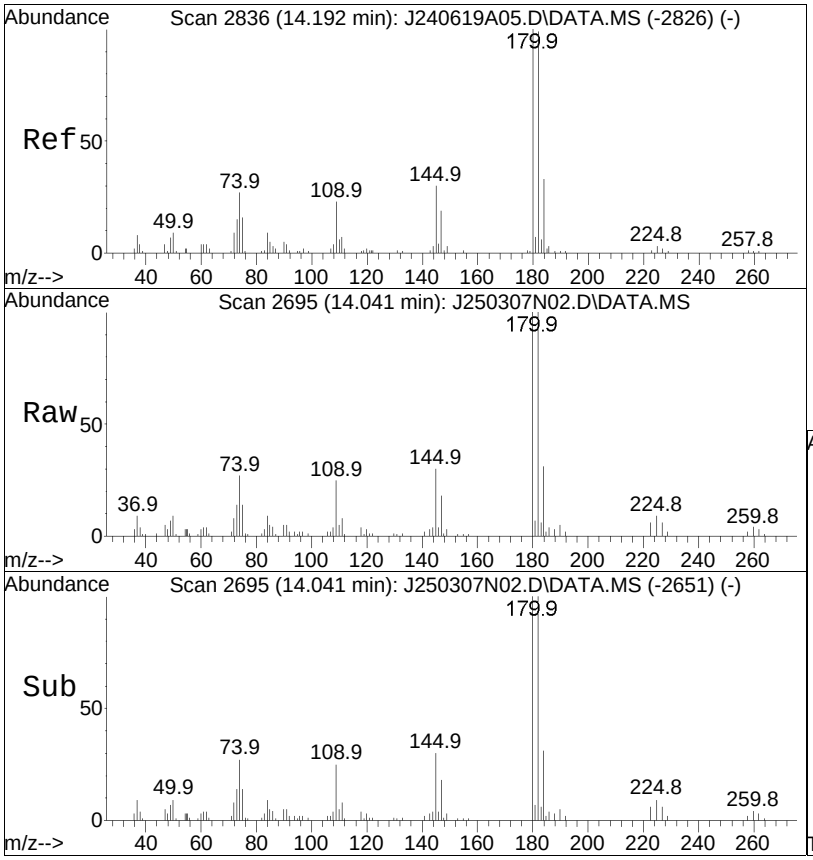


#111
1,2-Dibromo-3-chloropropane
Concen: 9.34 ug/L
RT: 13.408 min Scan# 2556
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:155 Resp: 9969

Ion	Ratio	Lower	Upper
155	100		
157	119.5	105.1	157.7

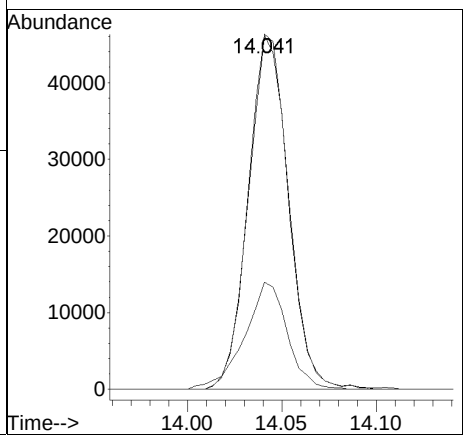


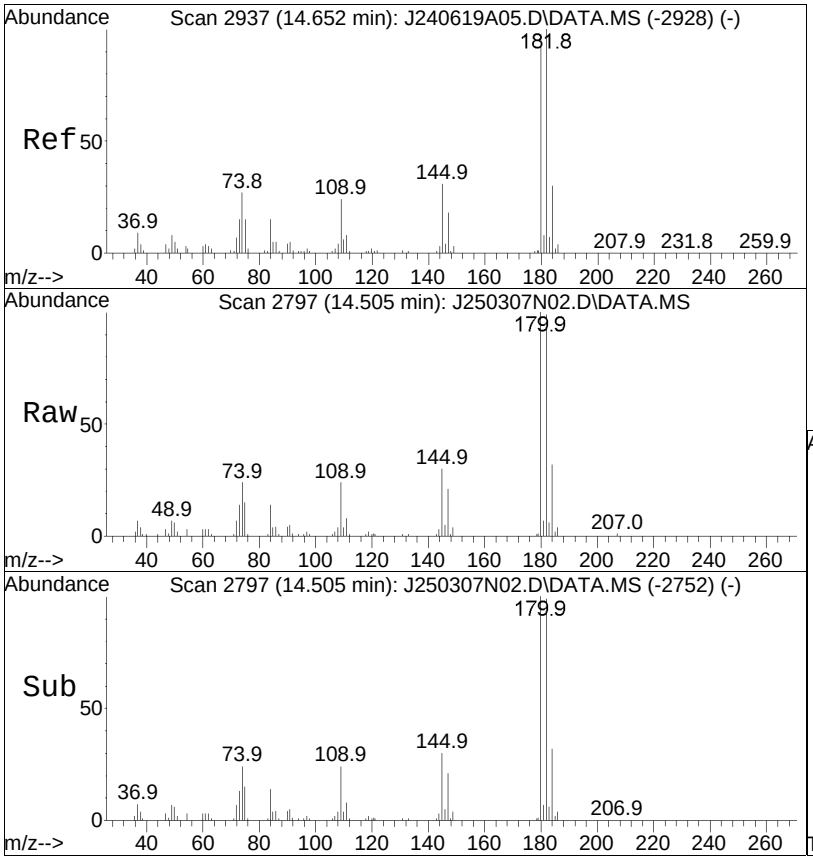


#114
1,2,4-Trichlorobenzene
Concen: 9.09 ug/L
RT: 14.041 min Scan# 2695
Delta R.T. 0.000 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:180 Resp: 69115

Ion	Ratio	Lower	Upper
180	100		
182	98.1	75.7	113.5
145	31.8	27.4	41.2

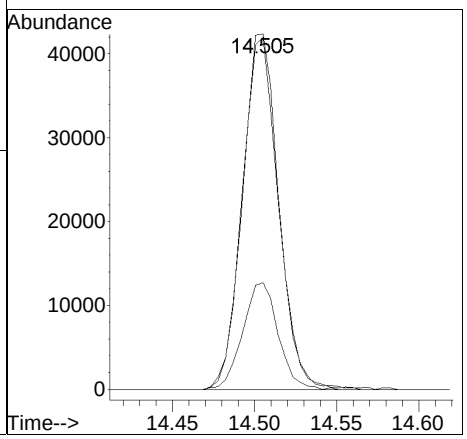




#116
1,2,3-Trichlorobenzene
Concen: 9.40 ug/L
RT: 14.505 min Scan# 2797
Delta R.T. 0.005 min
Lab File: J250307N02.D
Acq: 7 Mar 2025 7:00 pm

Tgt Ion:180 Resp: 65454

Ion	Ratio	Lower	Upper
180	100		
182	97.5	74.7	112.1
145	29.1	22.1	33.1



Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N02.D	Operator	: JACK:RAW
Date Inj'd	: 3/7/2025 7:00 pm	Instrument	: Jack
Sample	: WG2038627-4,31,10,10	Quant Date	: 3/7/2025 7:23 pm

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

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N20.D
Acq On : 8 Mar 2025 3:21 am
Operator : JACK:MKS
Sample : WG2038627-6,31,10,10,,A1
Misc : WG2038627,ICAL22041
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 12:32:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	168058	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 93.22%			
63) Chlorobenzene-d5	9.466	117	123780	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.44%			
84) 1,4-Dichlorobenzene-d4	12.188	152	73223	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 97.03%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.111	113	45776	10.306	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 103.06%		
47) 1,2-Dichloroethane-d4	5.635	65	51730	9.492	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 94.92%		
64) Toluene-d8	7.623	98	161970	9.927	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 99.27%		
88) 4-Bromofluorobenzene	10.973	95	60449	9.650	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 96.50%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.564	85	54651	11.630	ug/L	99
3) Chloromethane	1.744	50	57224	11.581	ug/L	99
4) Vinyl chloride	1.814	62	78434	13.247	ug/L	98
5) Bromomethane	2.122	94	27116	9.059	ug/L	97
6) Chloroethane	2.244	64	43625	13.723	ug/L	96
7) Trichlorofluoromethane	2.378	101	78339	11.353	ug/L	99
10) 1,1-Dichloroethene	2.866	96	43937	11.453	ug/L	85
11) Carbon disulfide	2.890	76	132092	11.231	ug/L	100
12) Freon-113	2.907	101	47654	11.510	ug/L #	83
15) Methylene chloride	3.413	84	46322	11.144	ug/L	94
17) Acetone	3.454	43	12240	9.454	ug/L	95
18) trans-1,2-Dichloroethene	3.570	96	46860	11.308	ug/L	88
19) Methyl acetate	3.576	43	25476	9.057	ug/L #	92
21) Methyl tert-butyl ether	3.663	73	118544	10.346	ug/L	98
25) 1,1-Dichloroethane	4.152	63	94974	11.493	ug/L #	97
30) cis-1,2-Dichloroethene	4.663	96	50529	11.051	ug/L	88
33) Bromochloromethane	4.861	128	23323	11.390	ug/L #	72
34) Cyclohexane	4.861	56	93107	10.869	ug/L	93
35) Chloroform	4.931	83	84703	10.905	ug/L	97
37) Carbon tetrachloride	5.065	117	70203	11.501	ug/L	97

Data Path : K:\Jack\2025\250307N\
Data File : J250307N20.D
Acq On : 8 Mar 2025 3:21 am
Operator : JACK:MKS
Sample : WG2038627-6,31,10,10,,A1
Misc : WG2038627,ICAL22041
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 12:32:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.134	97	77279	11.257	ug/L		97
42) 2-Butanone	5.228	43	20361M3	10.046	ug/L		
45) Benzene	5.501	78	188698	11.107	ug/L		97
48) 1,2-Dichloroethane	5.704	62	63261	10.598	ug/L		99
51) Methyl cyclohexane	6.094	83	83850	10.608	ug/L		93
52) Trichloroethene	6.100	95	49865	10.931	ug/L		93
55) 1,2-Dichloropropane	6.641	63	50877	11.557	ug/L		98
58) Bromodichloromethane	6.711	83	63165	10.926	ug/L	#	97
62) cis-1,3-Dichloropropene	7.408	75	70975	10.326	ug/L		96
65) Toluene	7.679	92	117423	10.751	ug/L		100
66) 4-Methyl-2-pentanone	8.113	58	14786	9.570	ug/L		94
67) Tetrachloroethene	8.117	166	53272	10.463	ug/L		93
69) trans-1,3-Dichloropropene	8.160	75	62450	10.196	ug/L		96
72) 1,1,2-Trichloroethane	8.349	83	34483	10.628	ug/L		96
73) Chlorodibromomethane	8.555	129	45449	10.050	ug/L		99
75) 1,2-Dibromoethane	8.828	107	38181	10.468	ug/L		98
77) 2-Hexanone	9.129	43	29036	9.188	ug/L		99
78) Chlorobenzene	9.484	112	128720	10.689	ug/L		89
79) Ethylbenzene	9.534	91	230722	10.641	ug/L		97
81) p/m Xylene	9.721	106	176344	20.796	ug/L		93
82) o Xylene	10.262	106	172087	21.126	ug/L		94
83) Styrene	10.335	104	274102	19.749	ug/L		91
85) Bromoform	10.349	173	31285	9.685	ug/L		96
87) Isopropylbenzene	10.654	105	227638	10.333	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.223	83	51939	10.129	ug/L		99
105) 1,3-Dichlorobenzene	12.111	146	110575	10.274	ug/L		96
106) 1,4-Dichlorobenzene	12.206	146	110687	10.282	ug/L		97
109) 1,2-Dichlorobenzene	12.630	146	103554	10.382	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.413	155	9473	9.717	ug/L		95
114) 1,2,4-Trichlorobenzene	14.041	180	69121	9.957	ug/L		98
116) 1,2,3-Trichlorobenzene	14.501	180	64364	10.124	ug/L		98

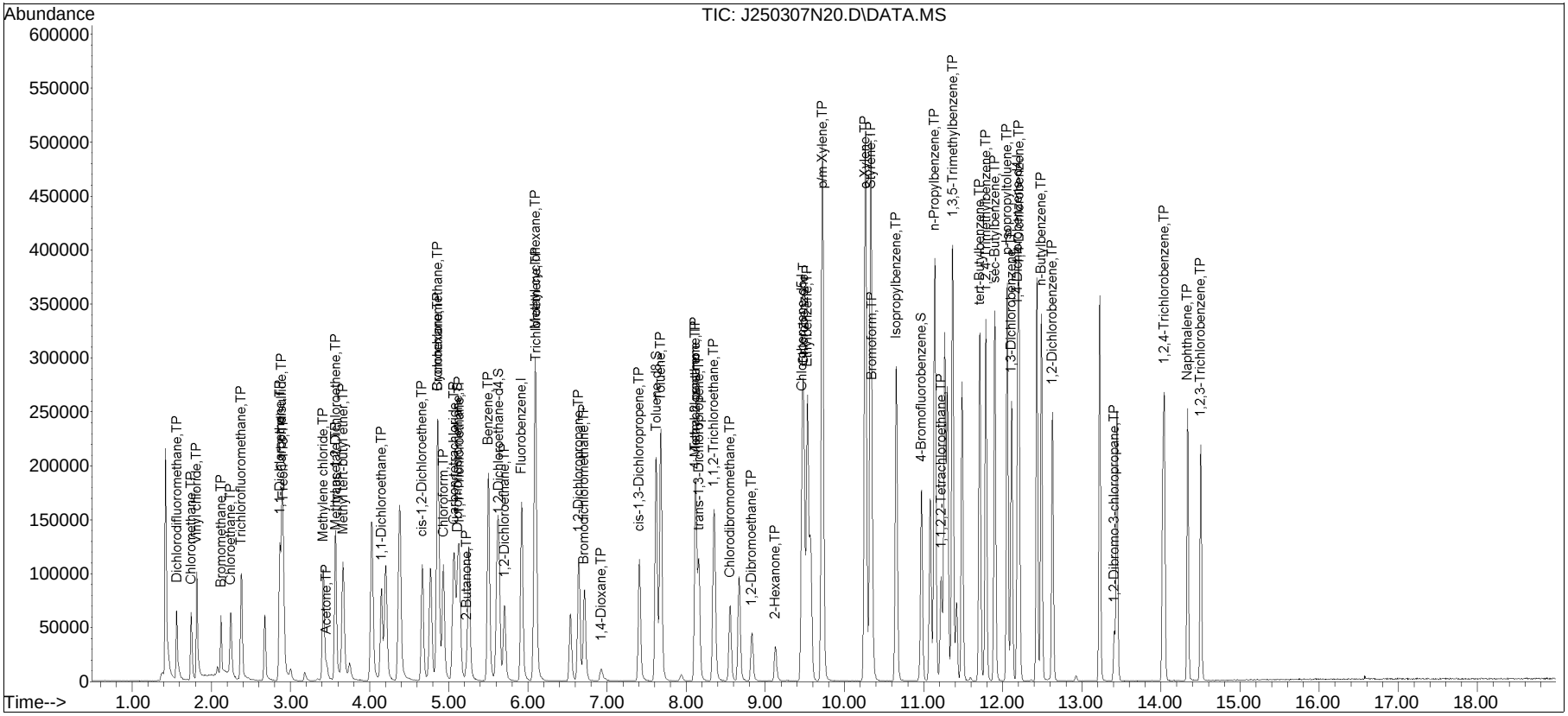
(#) = qualifier out of range (m) = manual integration (+) = signals summed

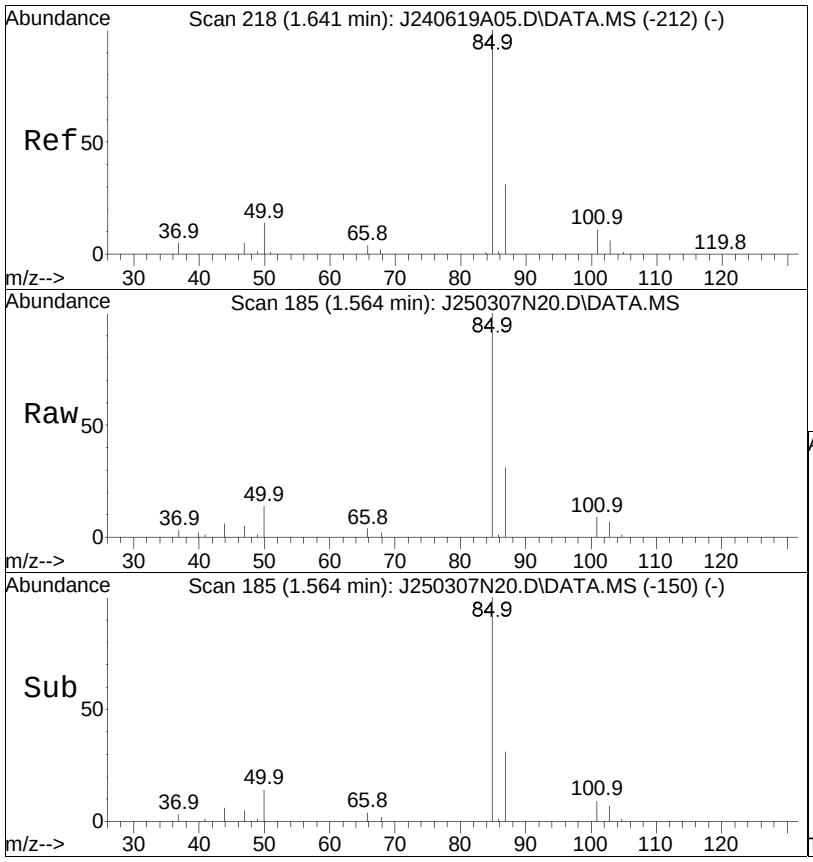
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N20.D
Acq On : 8 Mar 2025 3:21 am
Operator : JACK:MKS
Sample : WG2038627-6,31,10,10,,A1
Misc : WG2038627,ICAL22041
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 12:32:29 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

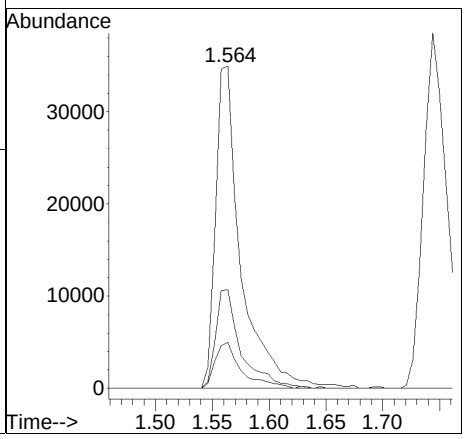


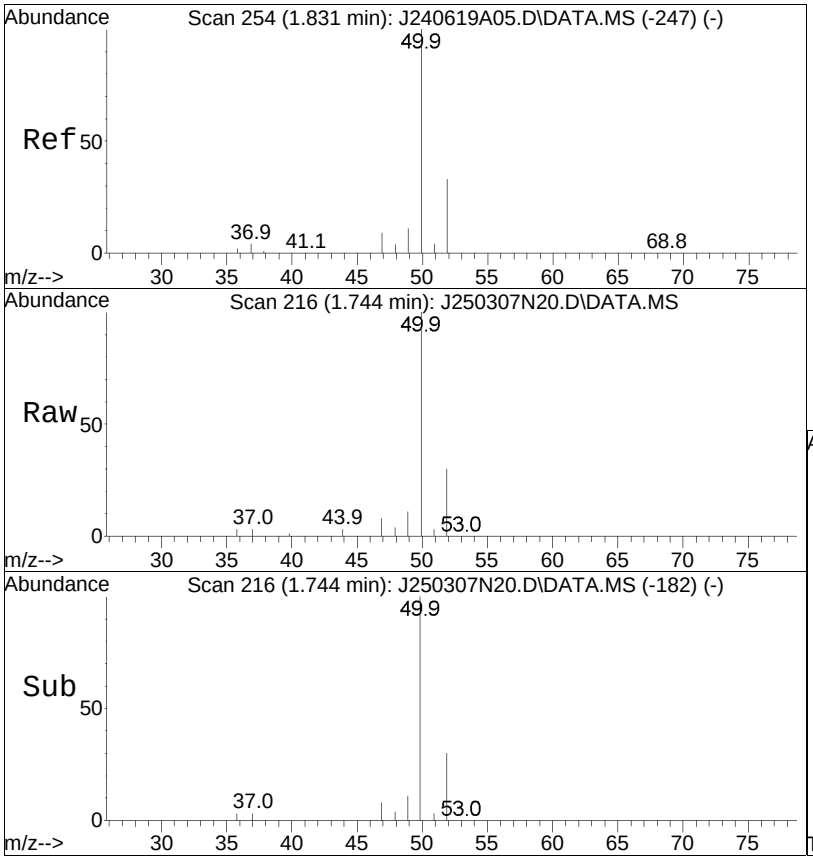


#2
Dichlorodifluoromethane
Concen: 11.63 ug/L
RT: 1.564 min Scan# 185
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 85 Resp: 54651

Ion	Ratio	Lower	Upper
85	100		
87	30.6	20.2	42.0
50	14.8	10.1	20.9

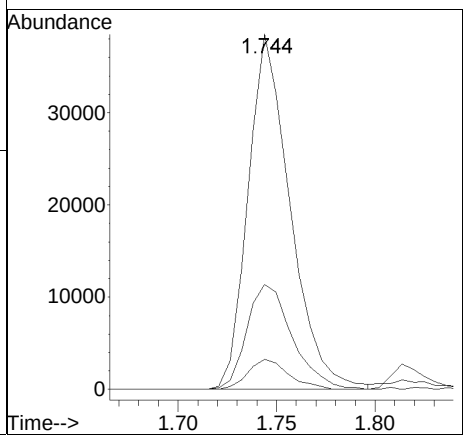


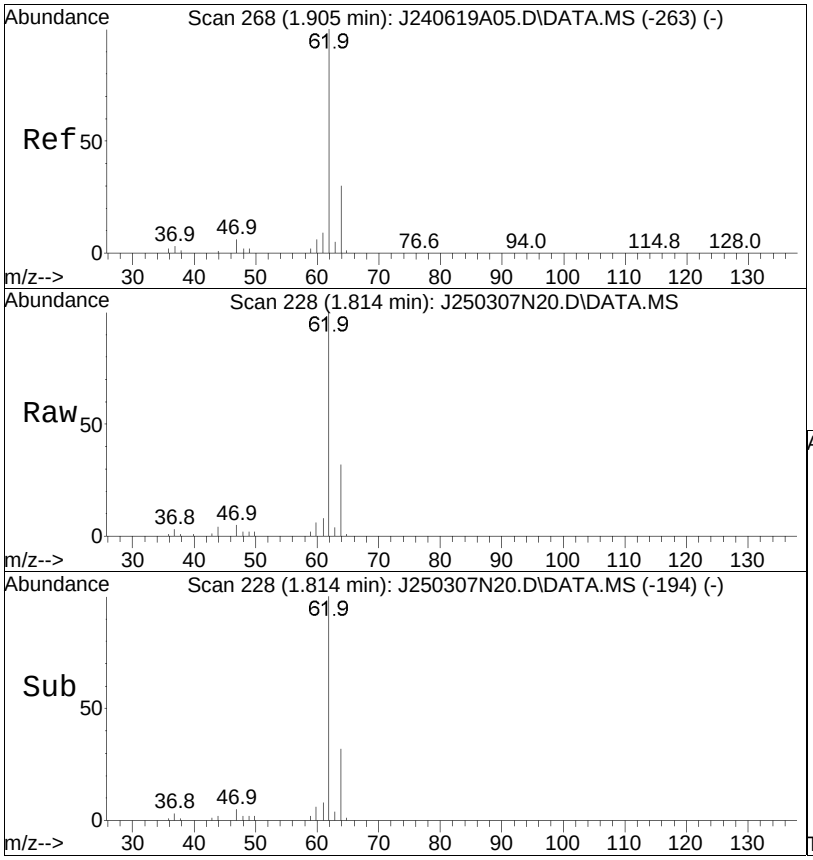


#3
Chloromethane
Concen: 11.58 ug/L
RT: 1.744 min Scan# 216
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 50 Resp: 57224

Ion	Ratio	Lower	Upper
50	100		
52	31.9	25.1	37.7
47	8.2	6.5	9.7

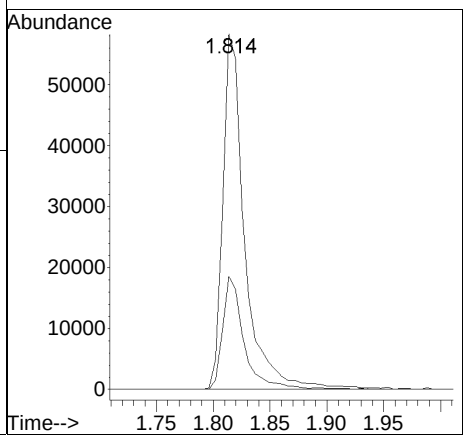


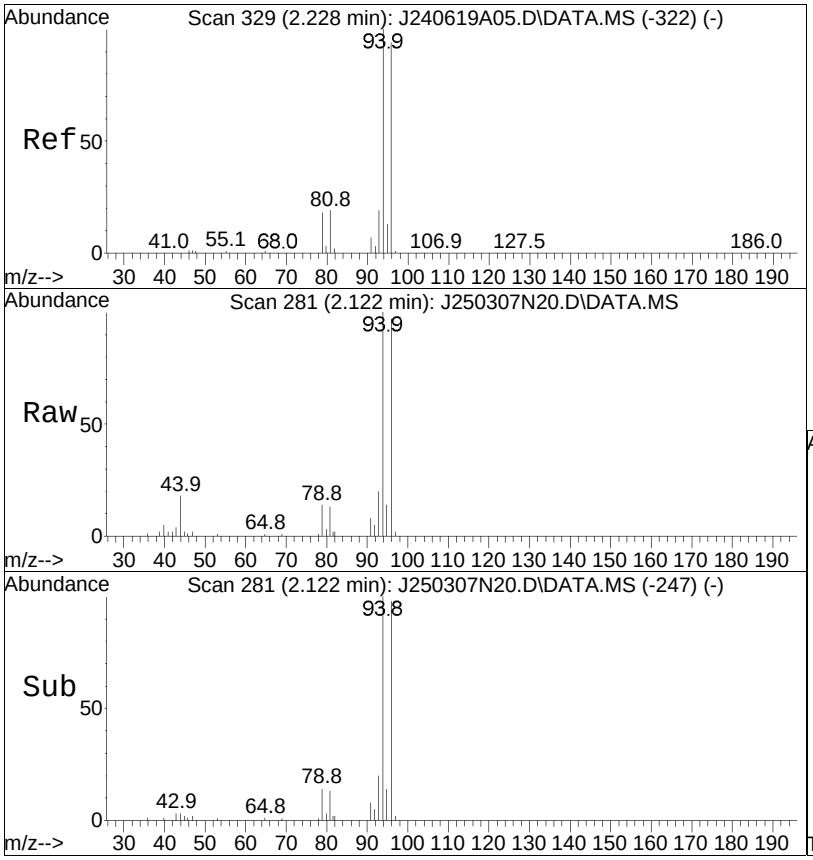


#4
Vinyl chloride
Concen: 13.25 ug/L
RT: 1.814 min Scan# 228
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 62 Resp: 78434

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.7	38.5

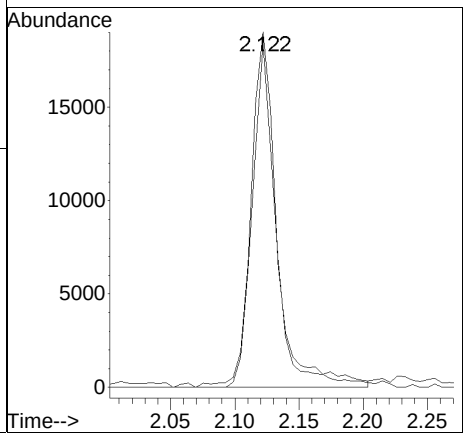


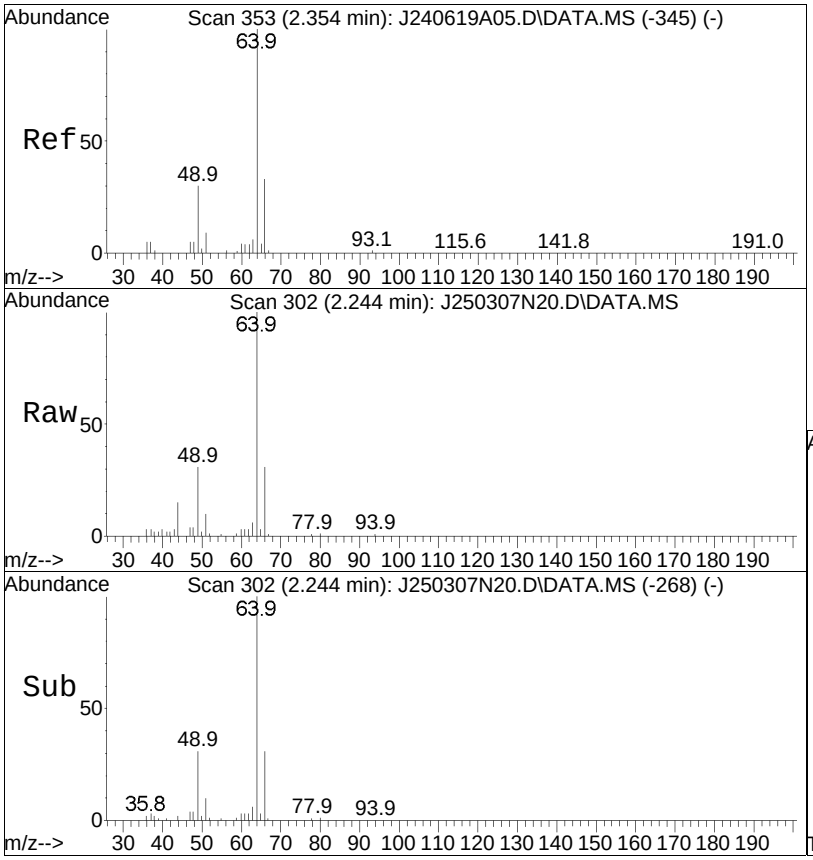


#5
Bromomethane
Concen: 9.06 ug/L
RT: 2.122 min Scan# 281
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 94 Resp: 27116

Ion	Ratio	Lower	Upper
94	100		
96	88.9	73.7	110.5

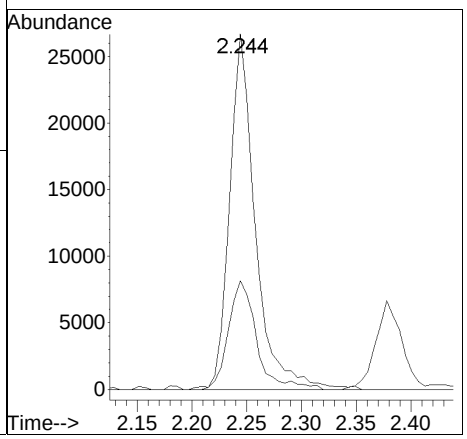


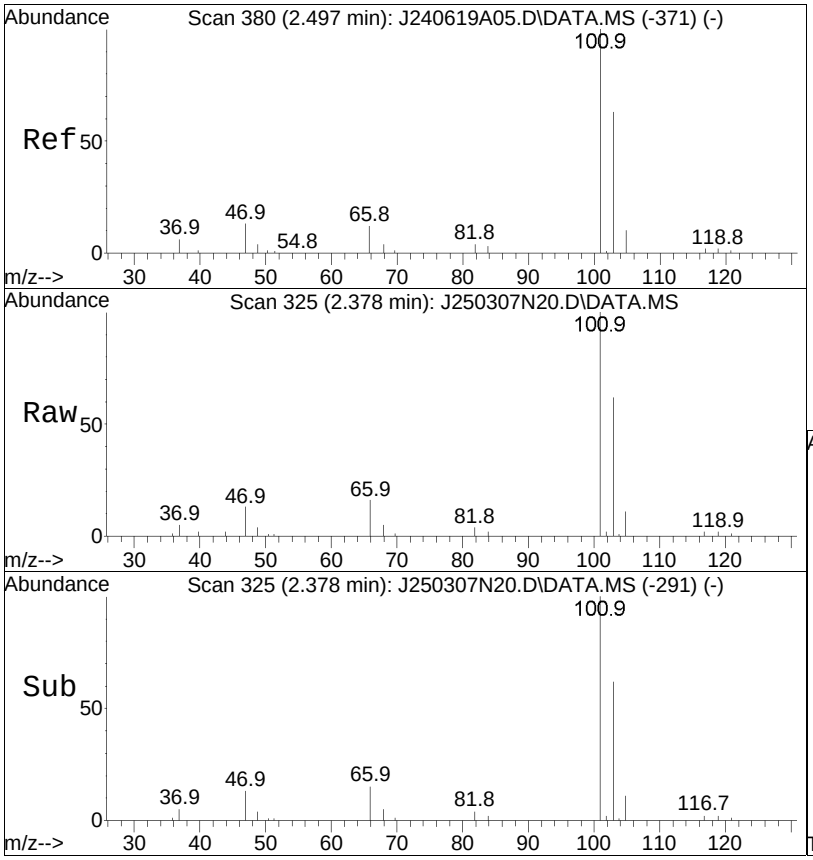


#6
Chloroethane
Concen: 13.72 ug/L
RT: 2.244 min Scan# 302
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 64 Resp: 43625

Ion	Ratio	Lower	Upper
64	100		
66	33.8	25.3	37.9

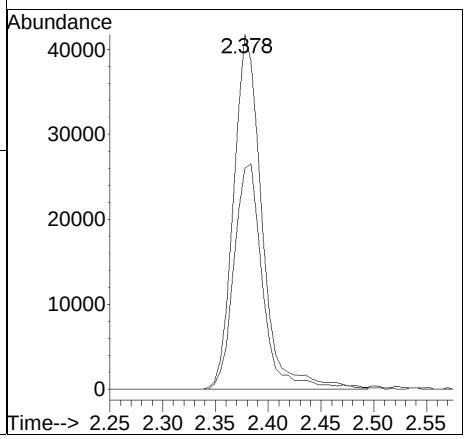


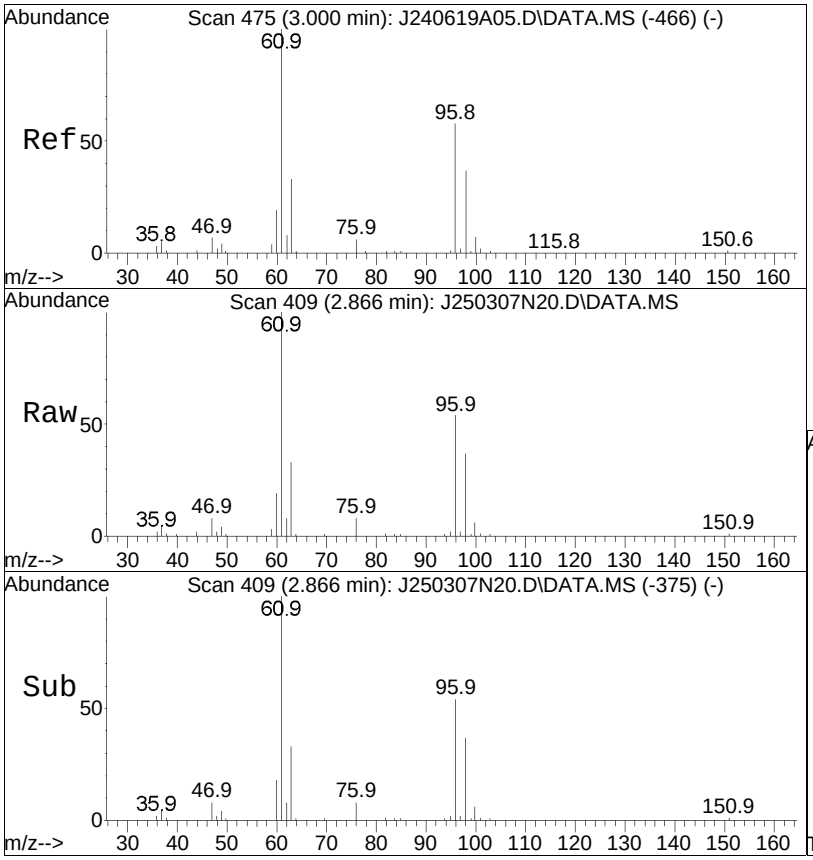


#7
Trichlorofluoromethane
Concen: 11.35 ug/L
RT: 2.378 min Scan# 325
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:101 Resp: 78339

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.4

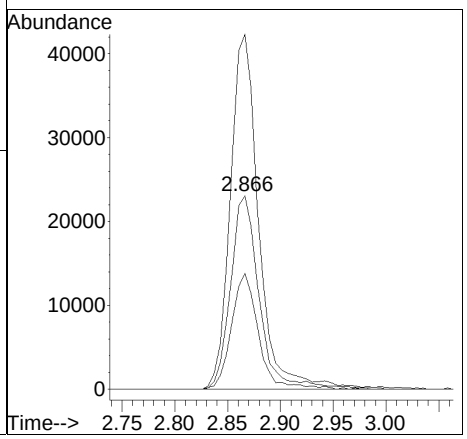


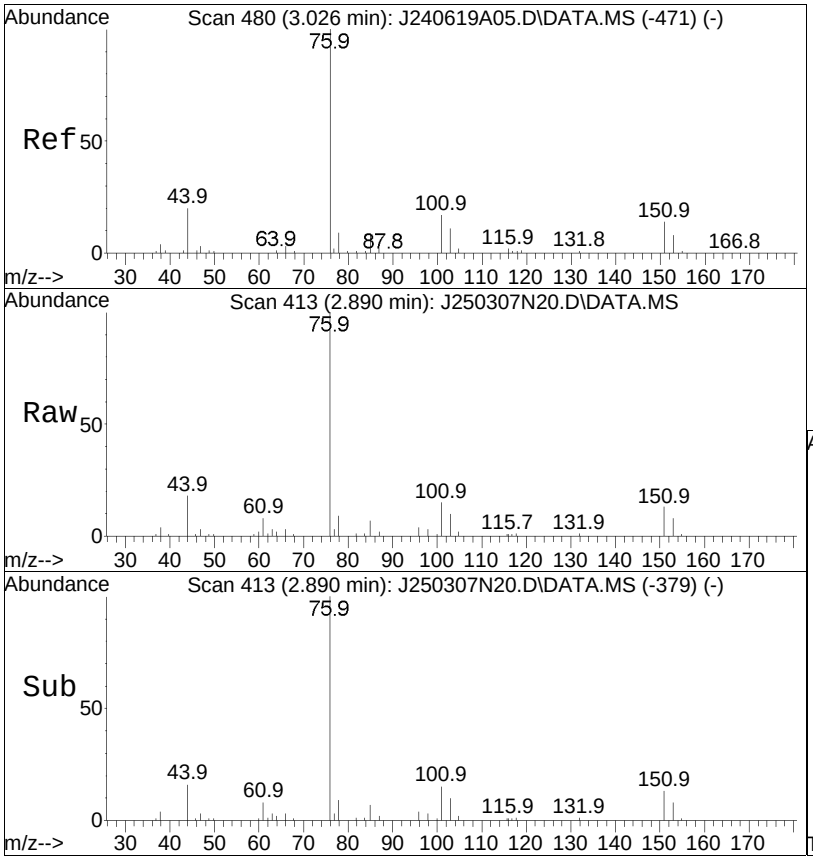


#10
1,1-Dichloroethene
Concen: 11.45 ug/L
RT: 2.866 min Scan# 409
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 96 Resp: 43937

Ion	Ratio	Lower	Upper
96	100		
61	182.4	165.5	248.3
63	56.2	51.9	77.9

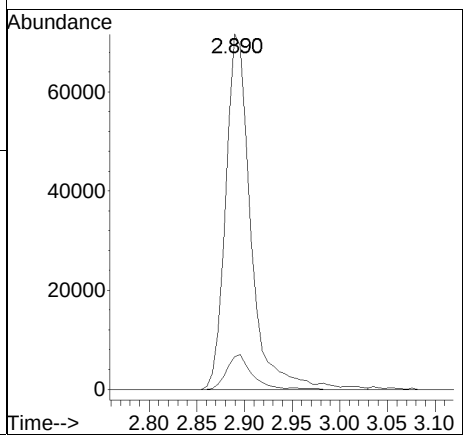


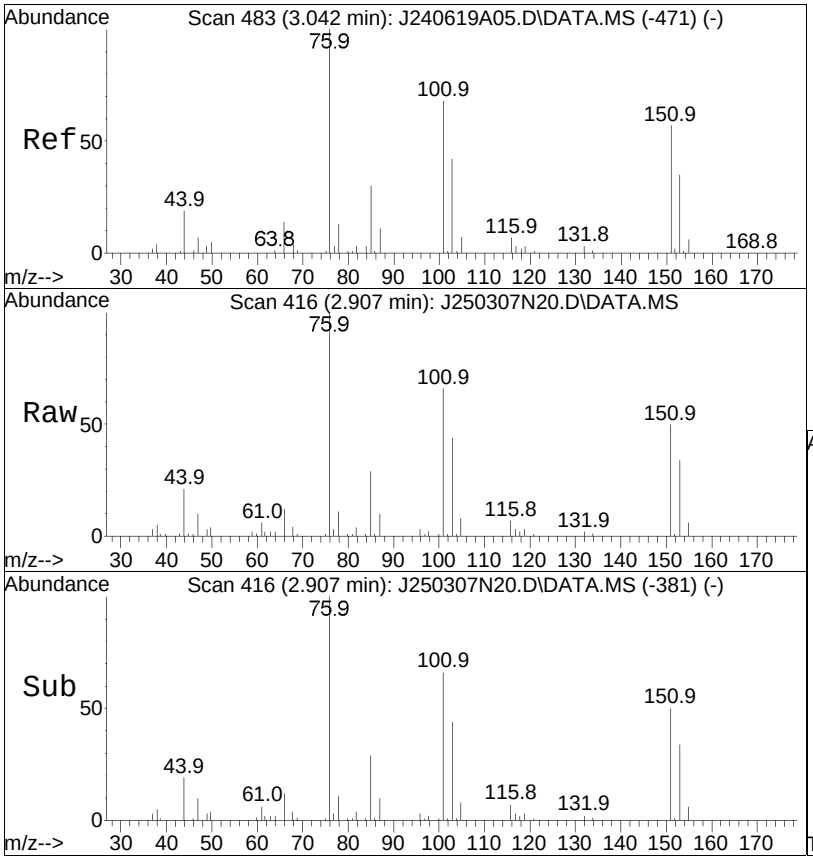


#11
Carbon disulfide
Concen: 11.23 ug/L
RT: 2.890 min Scan# 413
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 76 Resp: 132092

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

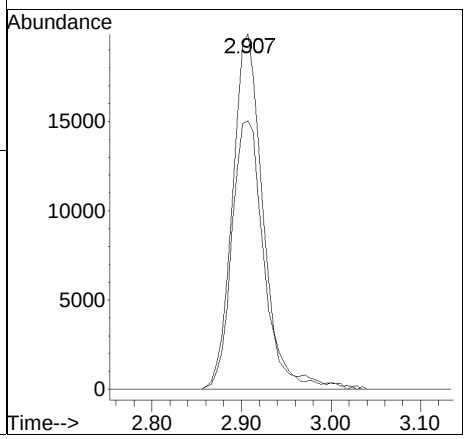


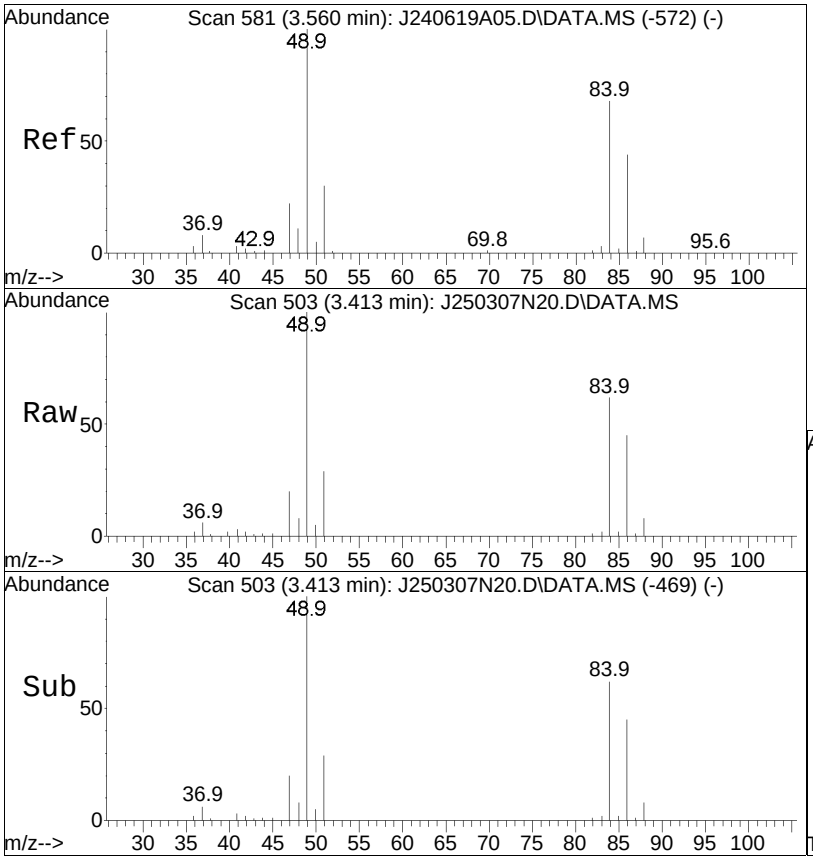


#12
Freon-113
Concen: 11.51 ug/L
RT: 2.907 min Scan# 416
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:101 Resp: 47654

Ion	Ratio	Lower	Upper
101	100		
151	78.1	51.9	77.9#

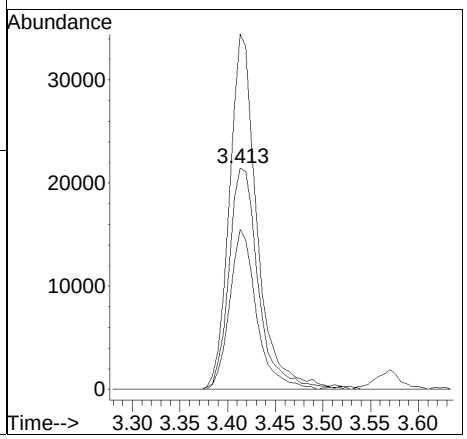


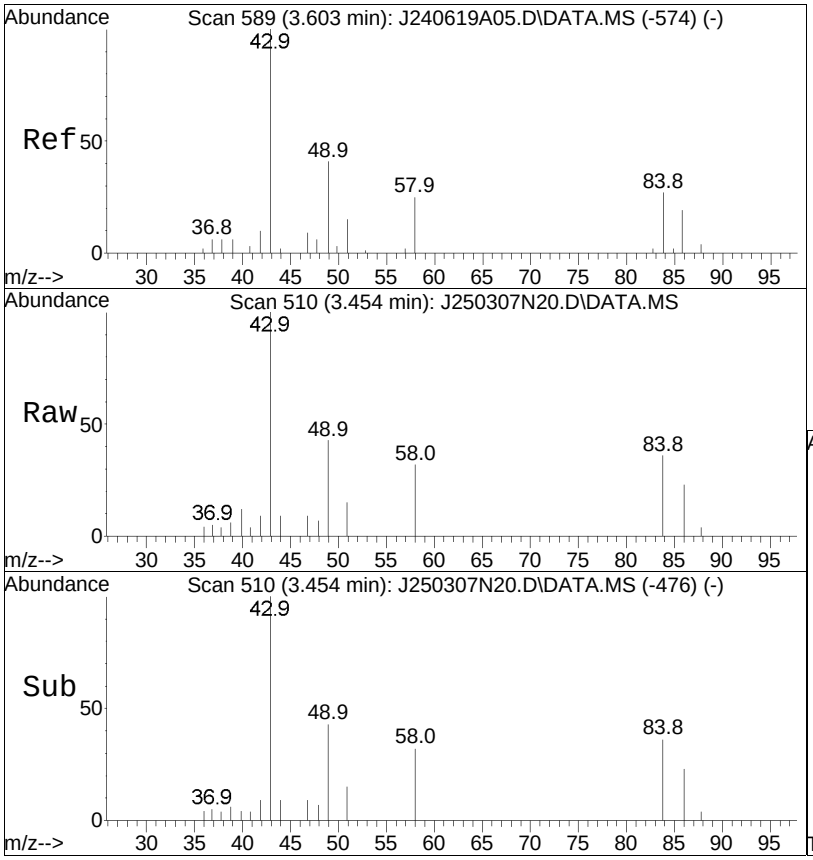


#15
Methylene chloride
Concen: 11.14 ug/L
RT: 3.413 min Scan# 503
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 84 Resp: 46322

Ion	Ratio	Lower	Upper
84	100		
86	66.0	41.7	86.5
49	150.6	103.9	215.9

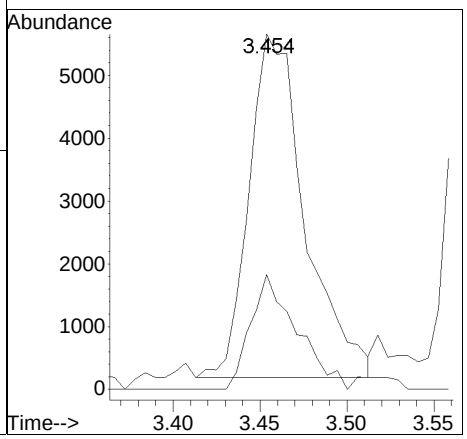


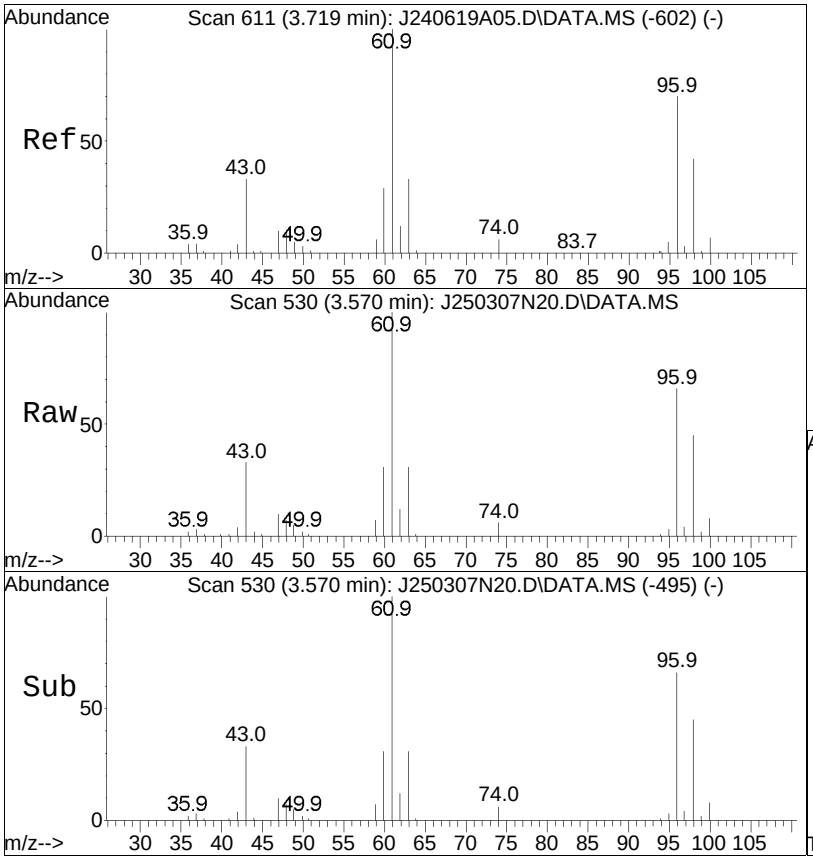


#17
Acetone
Concen: 9.45 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 43 Resp: 12240

Ion	Ratio	Lower	Upper
43	100		
58	27.5	20.1	30.1

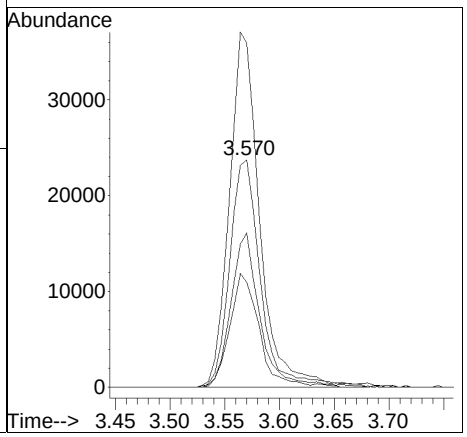


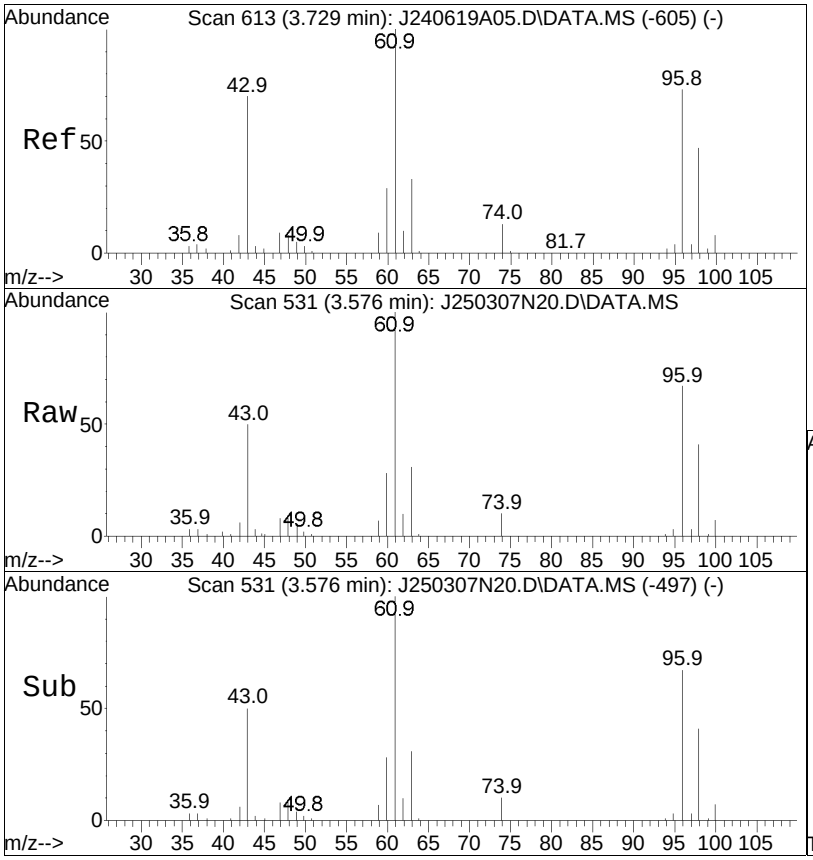


#18
trans-1,2-Dichloroethene
Concen: 11.31 ug/L
RT: 3.570 min Scan# 530
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 96 Resp: 46860

Ion	Ratio	Lower	Upper
96	100		
61	152.9	113.6	236.0
98	64.2	40.8	84.8
63	47.1	36.5	75.7

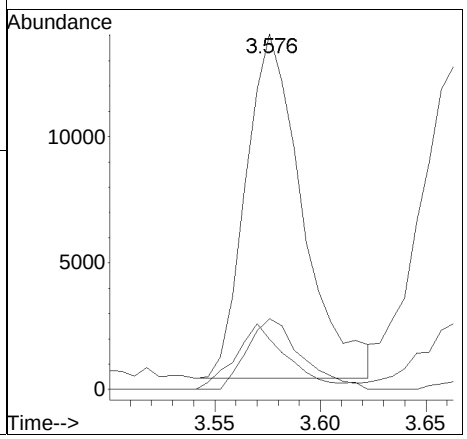


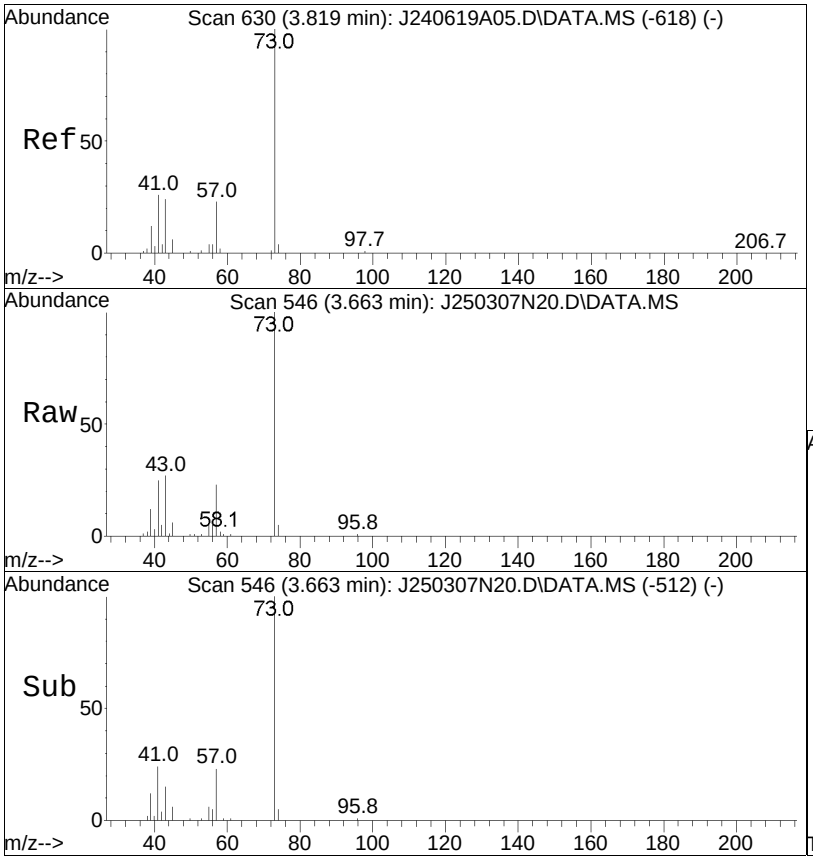


#19
Methyl acetate
Concen: 9.06 ug/L
RT: 3.576 min Scan# 531
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 43 Resp: 25476

Ion	Ratio	Lower	Upper
43	100		
74	19.6	14.6	22.0
59	17.9	9.3	13.9#

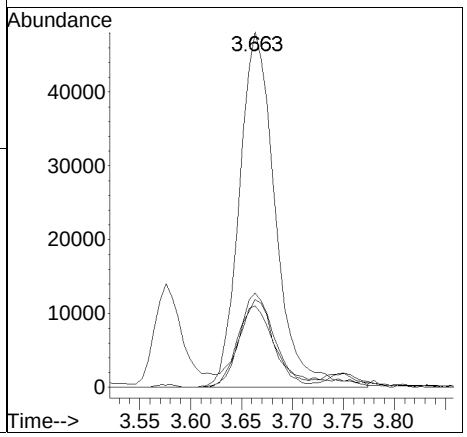


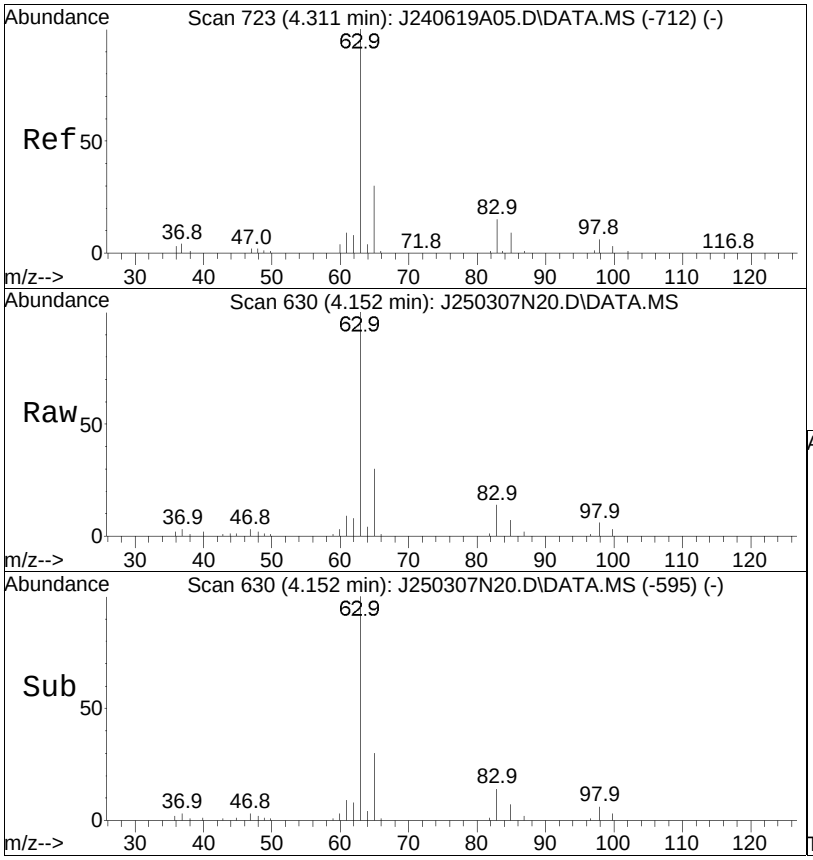


#21
Methyl tert-butyl ether
Concen: 10.35 ug/L
RT: 3.663 min Scan# 546
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 73 Resp: 118544

Ion	Ratio	Lower	Upper
73	100		
57	22.5	15.5	32.1
43	26.4	16.6	34.6
41	24.7	17.2	35.6

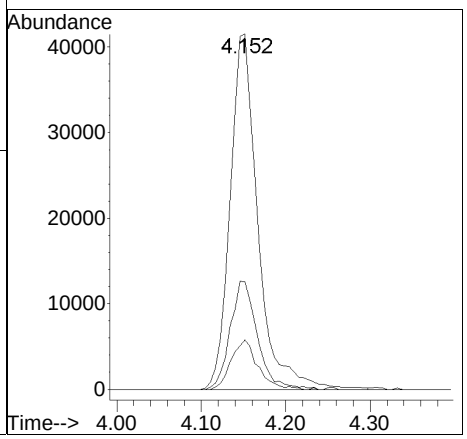


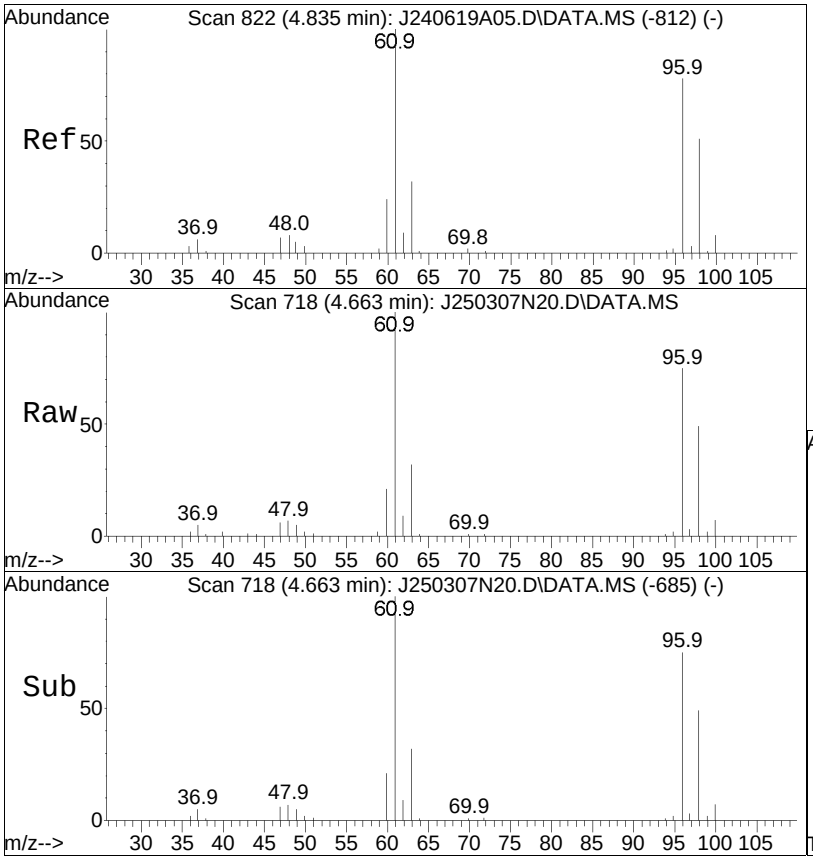


#25
1,1-Dichloroethane
Concen: 11.49 ug/L
RT: 4.152 min Scan# 630
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 63 Resp: 94974

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.5	36.7
83	13.4	8.9	13.3#

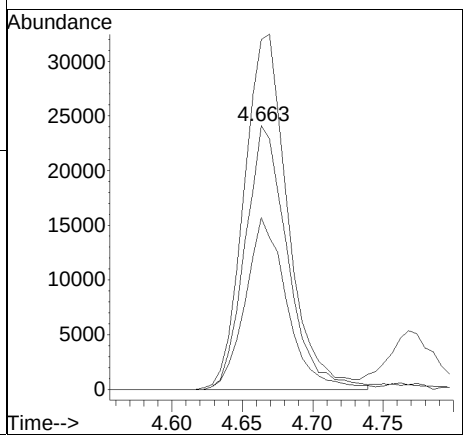


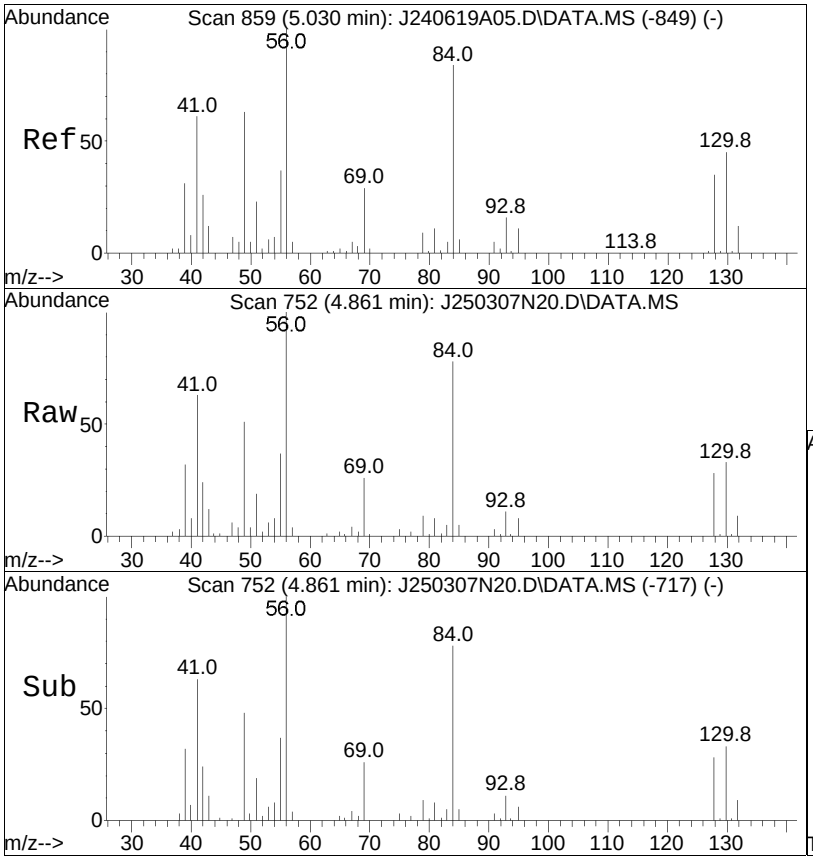


#30
cis-1,2-Dichloroethene
Concen: 11.05 ug/L
RT: 4.663 min Scan# 718
Delta R.T. -0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 96 Resp: 50529

Ion	Ratio	Lower	Upper
96	100		
61	139.2	129.3	193.9
98	64.1	51.4	77.2

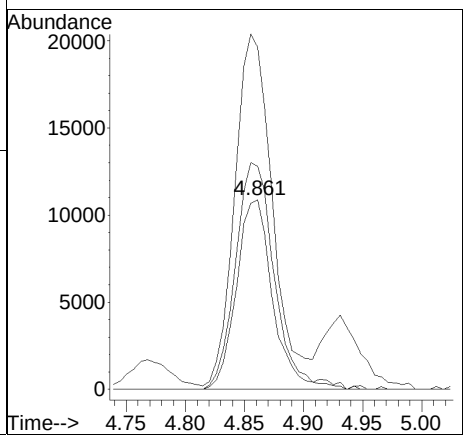


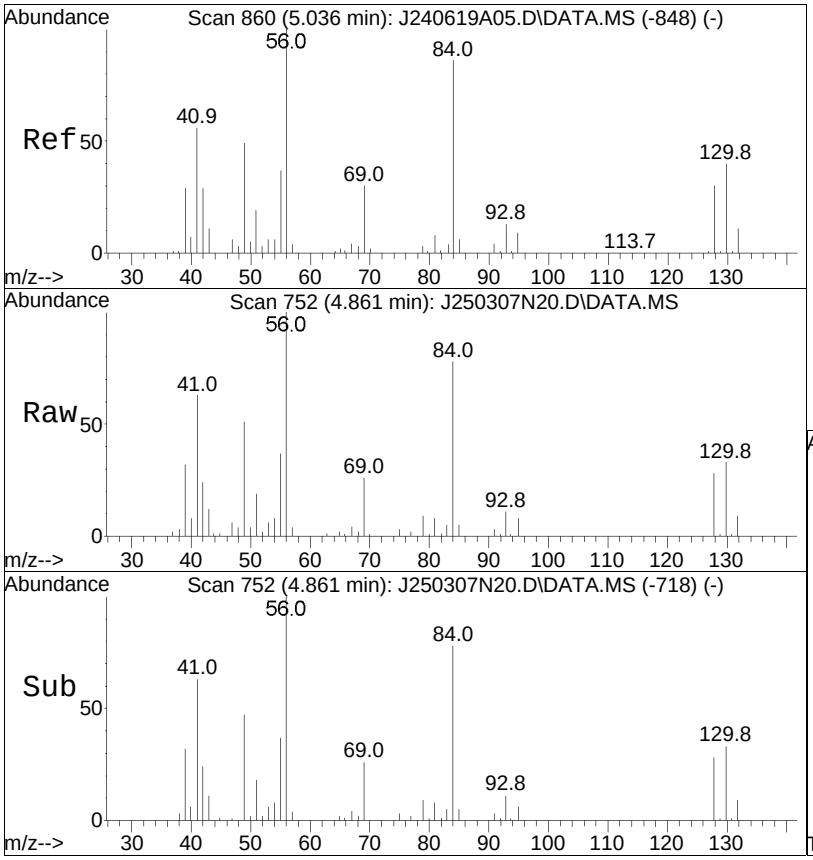


#33
Bromochloromethane
Concen: 11.39 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:128 Resp: 23323

Ion	Ratio	Lower	Upper
128	100		
49	196.1	214.8	322.2#
130	128.5	105.4	158.2

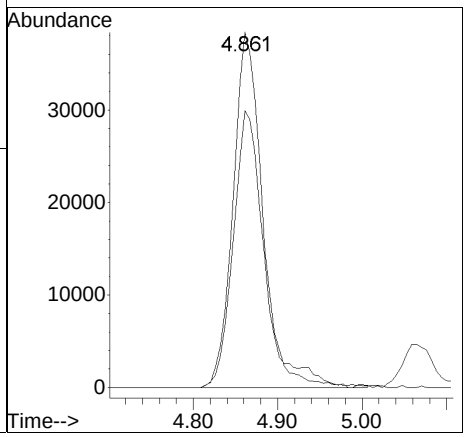


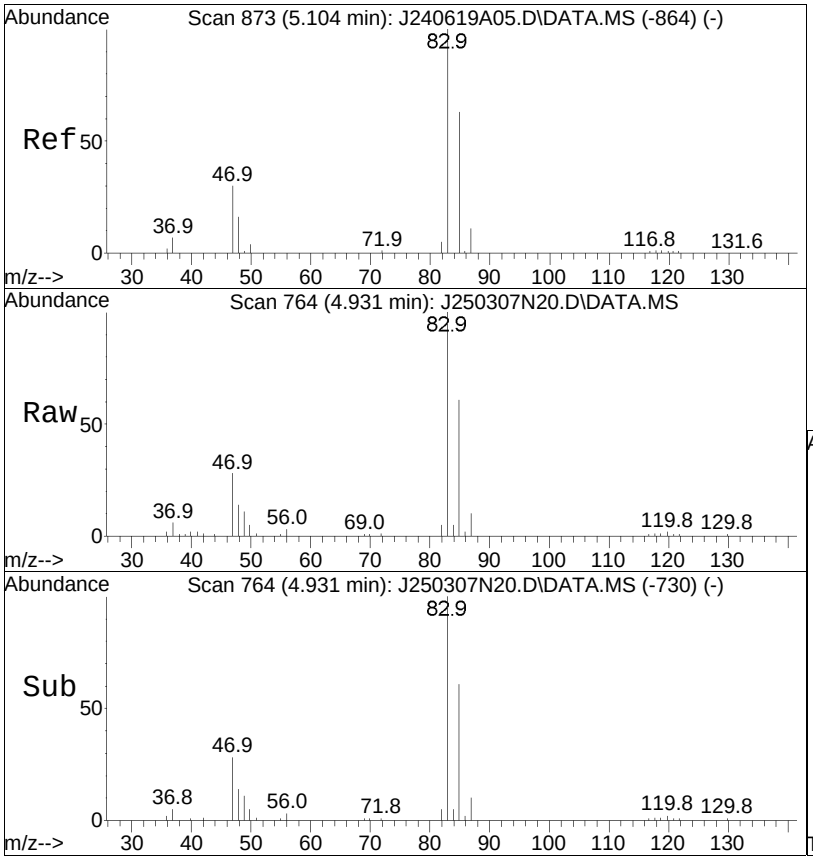


#34
Cyclohexane
Concen: 10.87 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 56 Resp: 93107

Ion	Ratio	Lower	Upper
56	100		
84	83.0	49.9	103.5

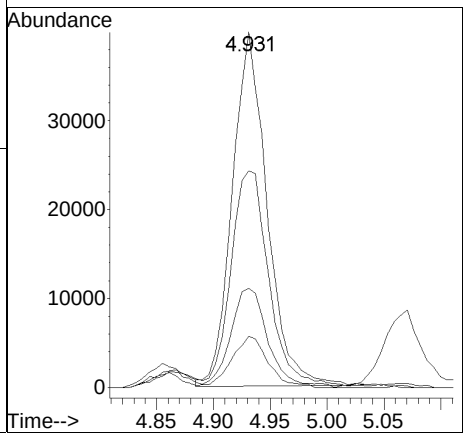


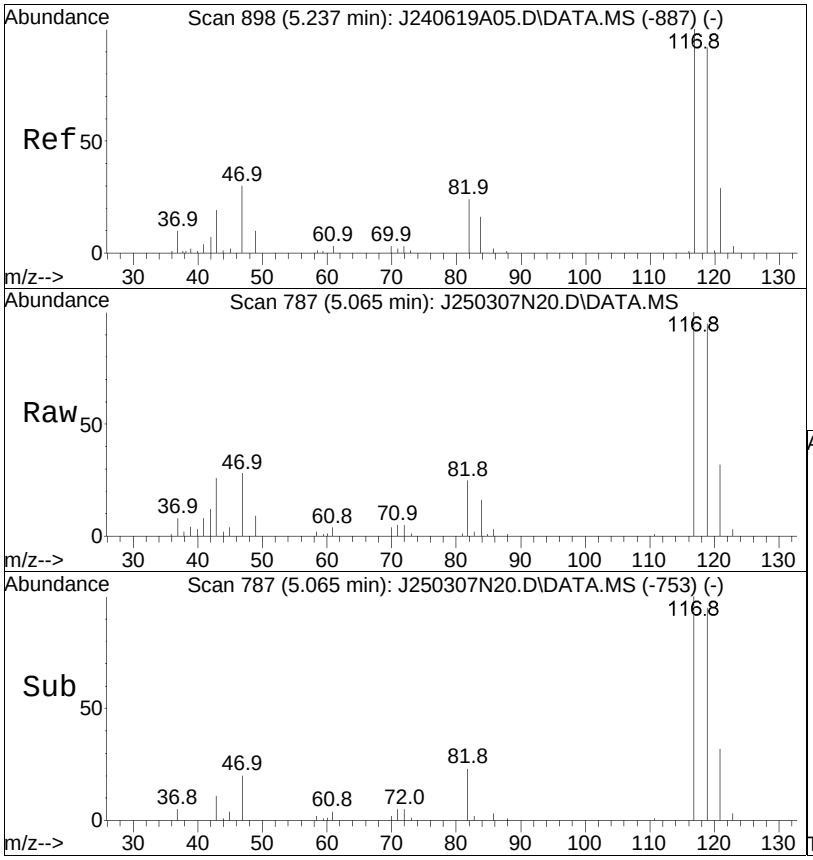


#35
Chloroform
Concen: 10.91 ug/L
RT: 4.931 min Scan# 764
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 83 Resp: 84703

Ion	Ratio	Lower	Upper
83	100		
85	66.1	41.4	86.0
47	30.1	20.5	42.5
48	15.2	9.9	20.5

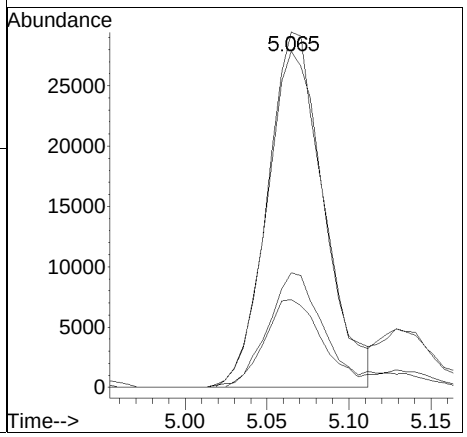


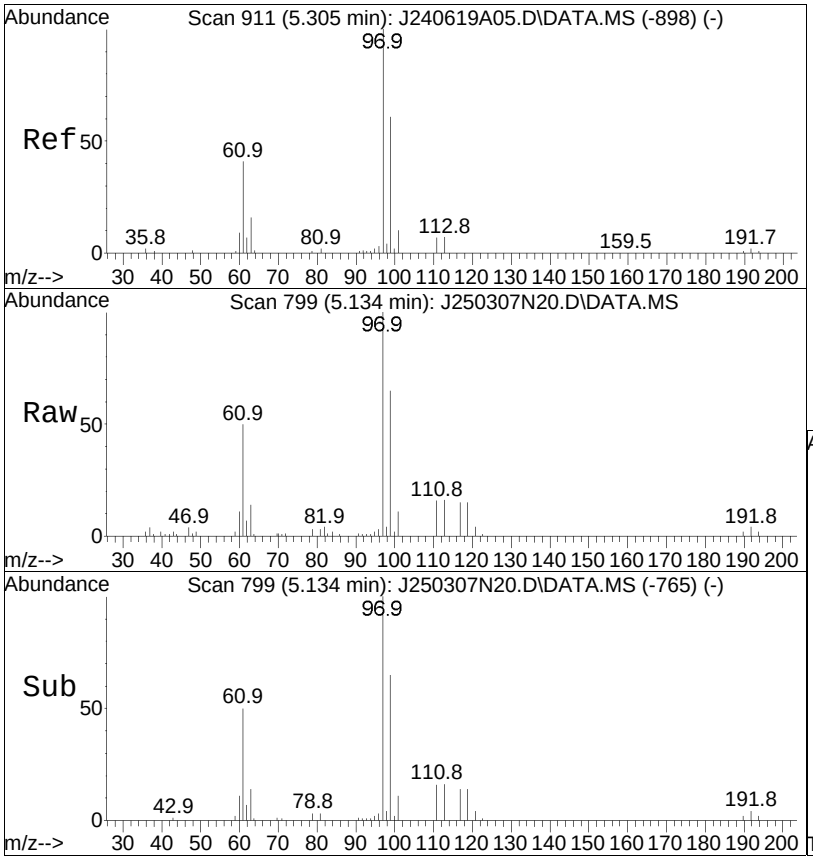


#37
Carbon tetrachloride
Concen: 11.50 ug/L
RT: 5.065 min Scan# 787
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:117 Resp: 70203

Ion	Ratio	Lower	Upper
117	100		
119	97.1	62.0	128.8
121	32.6	19.6	40.6
82	26.5	18.8	39.0

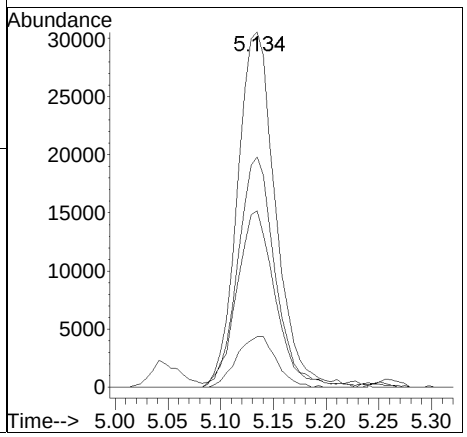


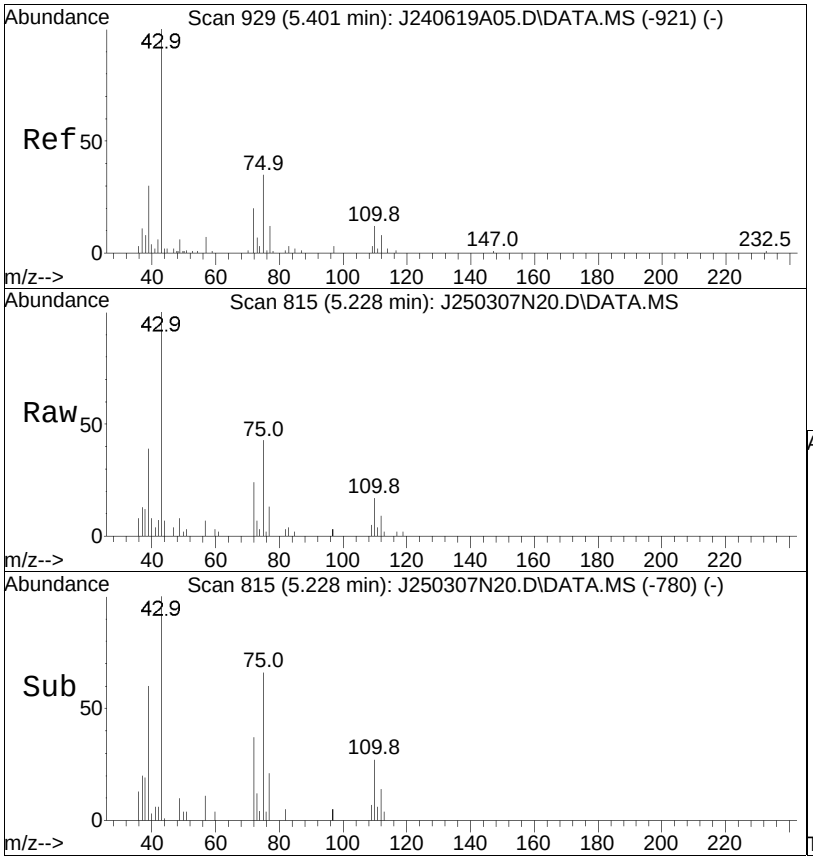


#40
1,1,1-Trichloroethane
Concen: 11.26 ug/L
RT: 5.134 min Scan# 799
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 97 Resp: 77279

Ion	Ratio	Lower	Upper
97	100		
99	63.0	40.6	84.4
61	50.2	35.0	72.8
63	14.9	11.1	23.0

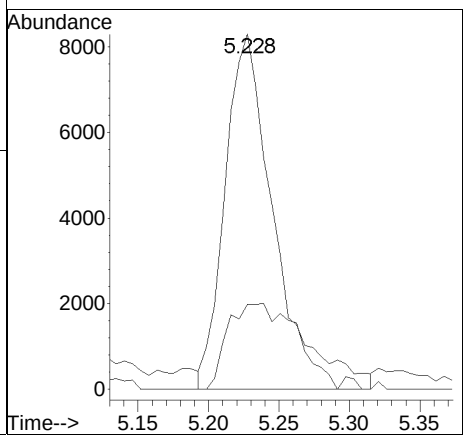


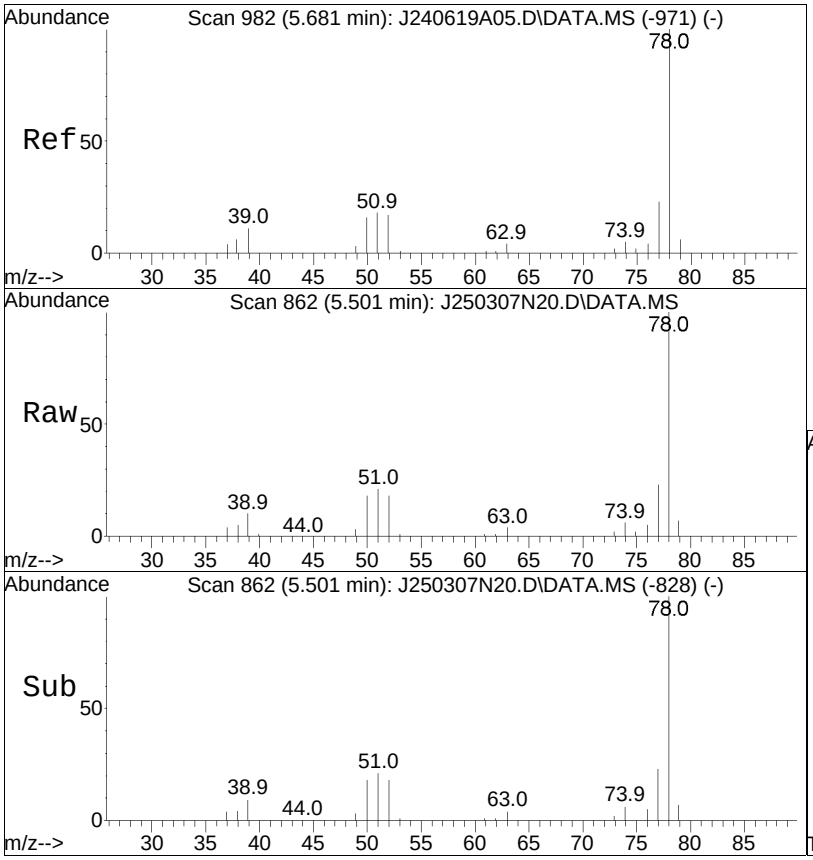


#42
2-Butanone
Concen: 10.05 ug/L M3
RT: 5.228 min Scan# 815
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 43 Resp: 20361

Ion	Ratio	Lower	Upper
43	100		
72	26.8	18.2	27.4

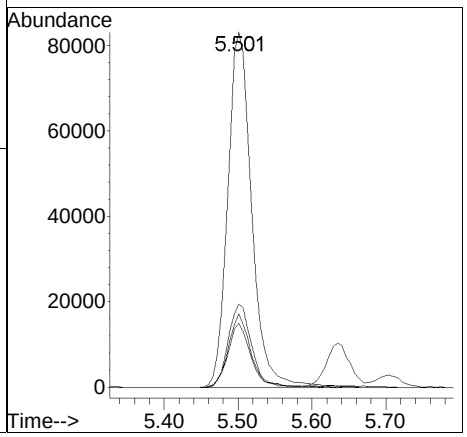


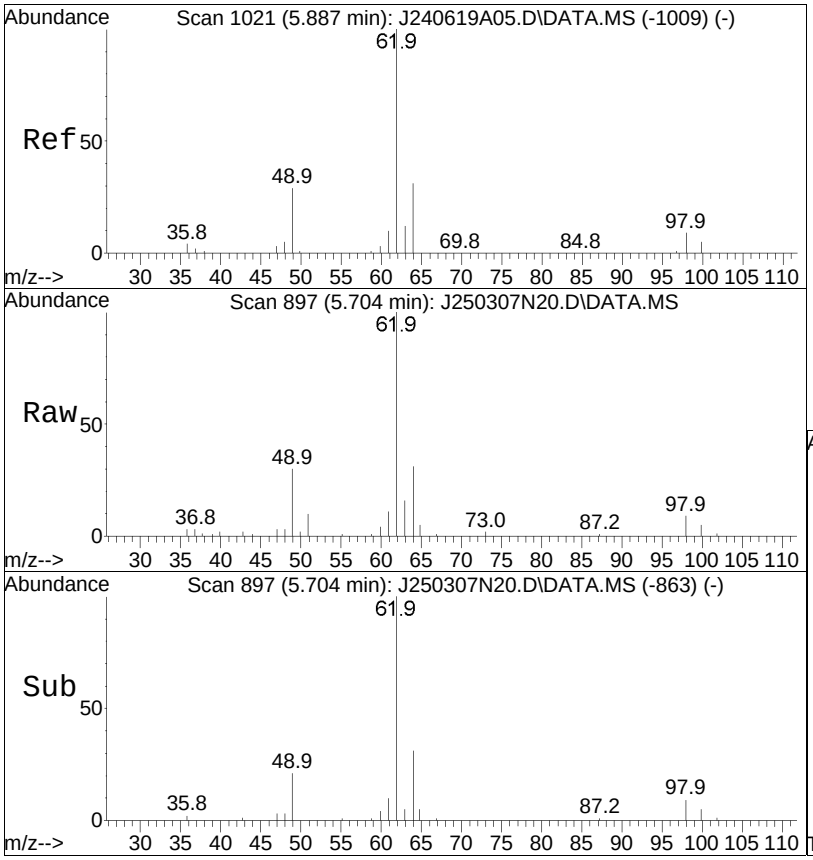


#45
Benzene
Concen: 11.11 ug/L
RT: 5.501 min Scan# 862
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 78 Resp: 188698

Ion	Ratio	Lower	Upper
78	100		
77	23.1	15.6	32.4
51	19.1	12.9	26.7
52	16.9	12.4	25.7

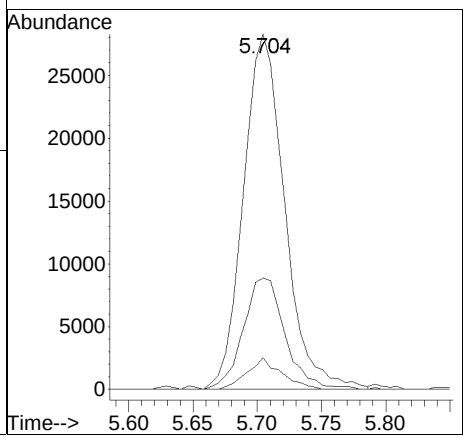


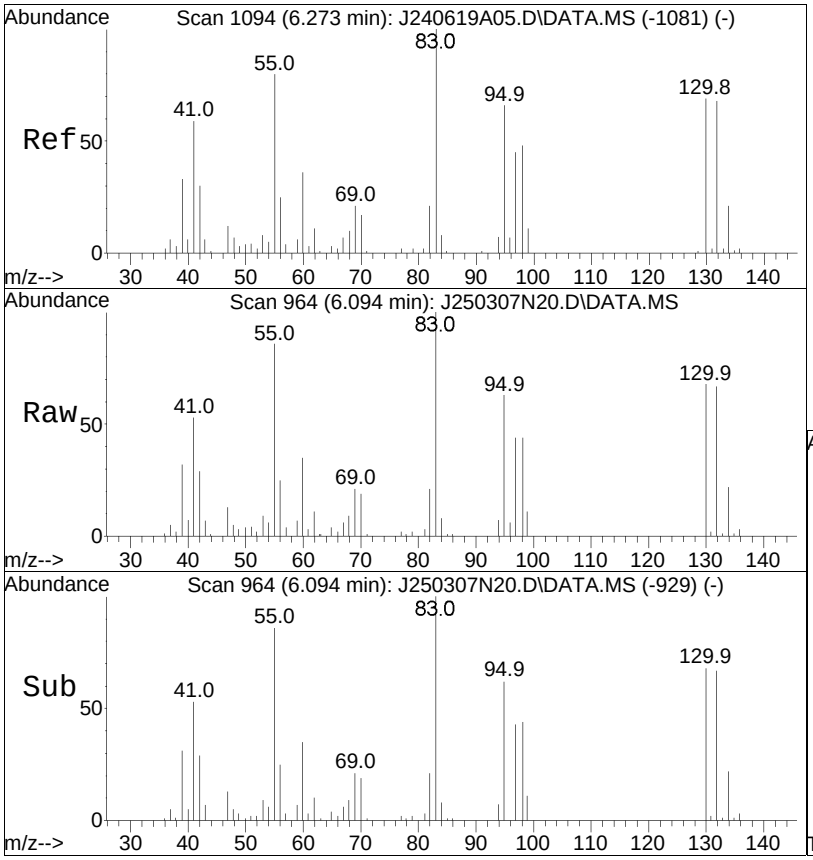


#48
1,2-Dichloroethane
Concen: 10.60 ug/L
RT: 5.704 min Scan# 897
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 62 Resp: 63261

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.5	38.3
98	7.5	5.5	8.3

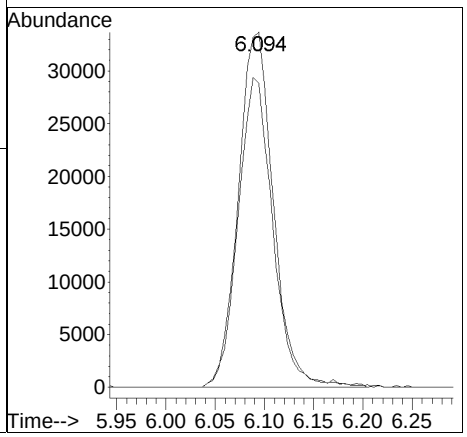


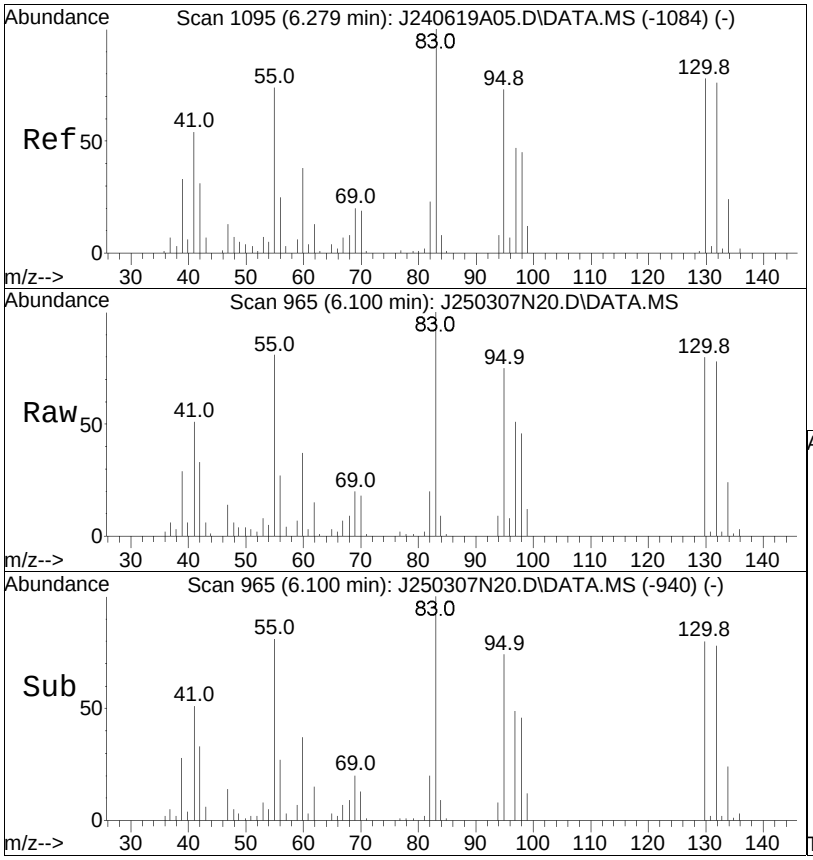


#51
Methyl cyclohexane
Concen: 10.61 ug/L
RT: 6.094 min Scan# 964
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 83 Resp: 83850

Ion	Ratio	Lower	Upper
83	100		
55	86.5	74.6	112.0

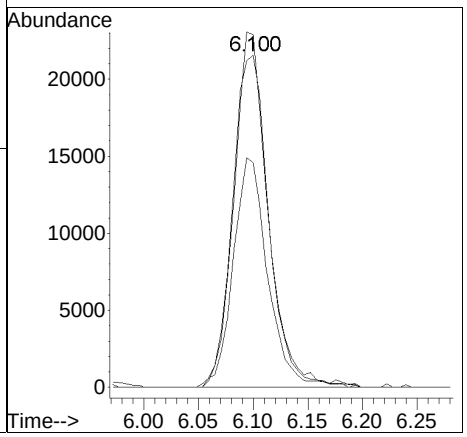


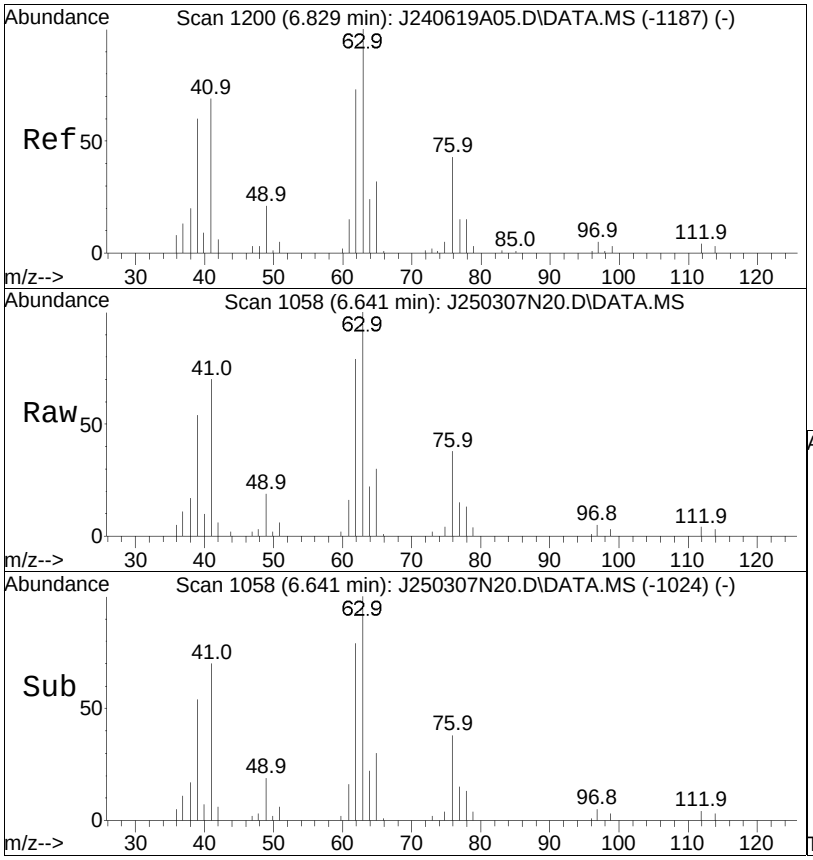


#52
Trichloroethene
Concen: 10.93 ug/L
RT: 6.100 min Scan# 965
Delta R.T. 0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 95 Resp: 49865

Ion	Ratio	Lower	Upper
95	100		
97	66.0	53.8	80.6
130	100.0	71.4	107.0

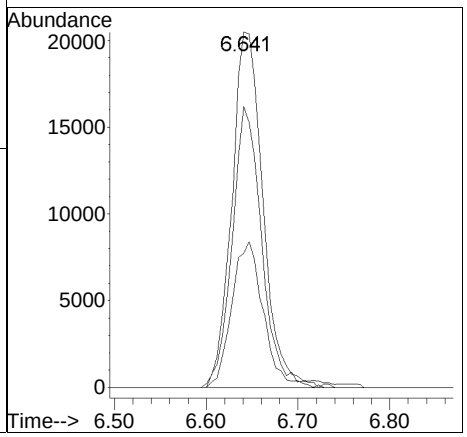


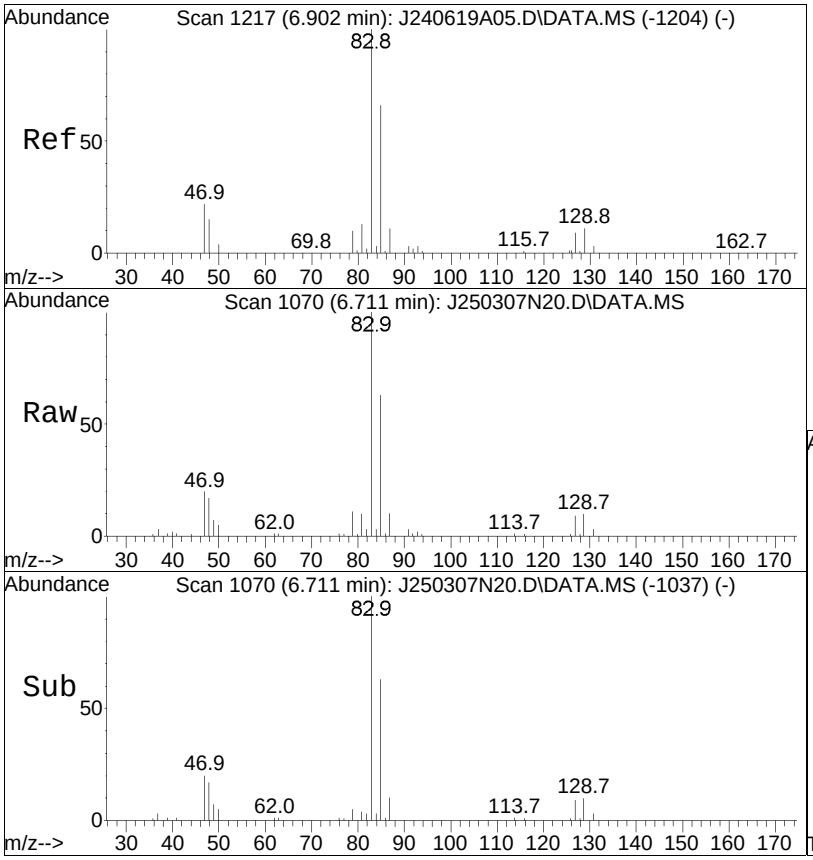


#55
1,2-Dichloropropane
Concen: 11.56 ug/L
RT: 6.641 min Scan# 1058
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 63 Resp: 50877

Ion	Ratio	Lower	Upper
63	100		
62	71.1	58.1	87.1
76	39.4	30.4	45.6

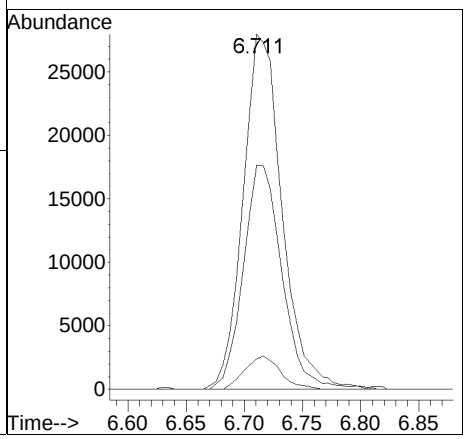


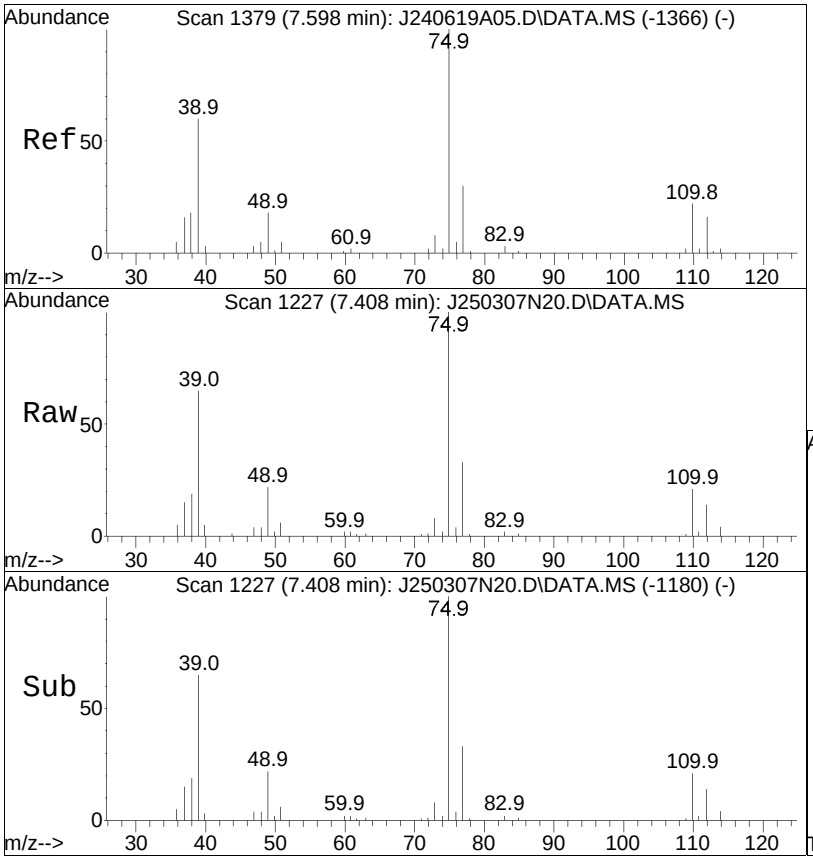


#58
Bromodichloromethane
Concen: 10.93 ug/L
RT: 6.711 min Scan# 1070
Delta R.T. -0.006 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 83 Resp: 63165

Ion	Ratio	Lower	Upper
83	100		
85	61.0	50.2	75.2
127	9.7	5.2	7.8#

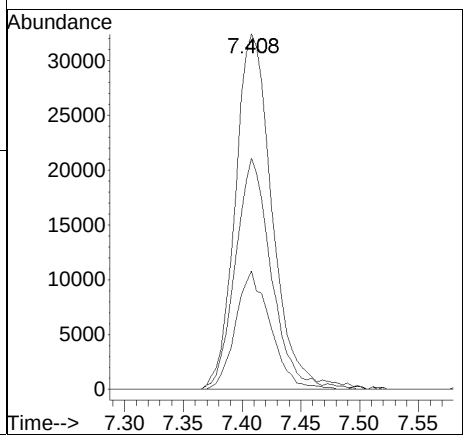


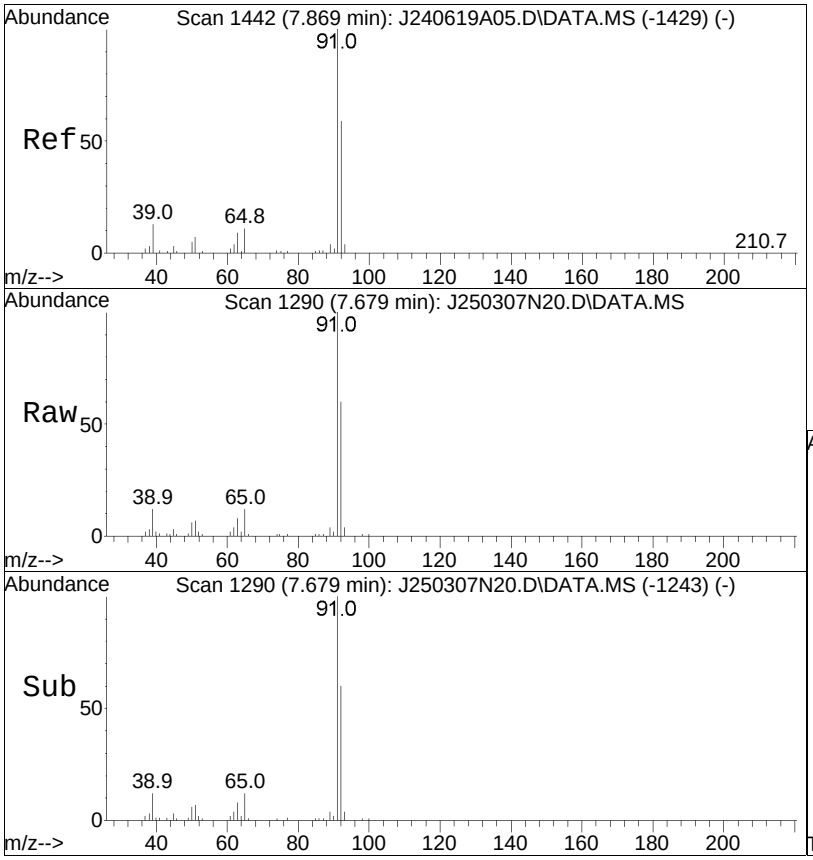


#62
cis-1,3-Dichloropropene
Concen: 10.33 ug/L
RT: 7.408 min Scan# 1227
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 75 Resp: 70975

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	63.4	54.6	82.0

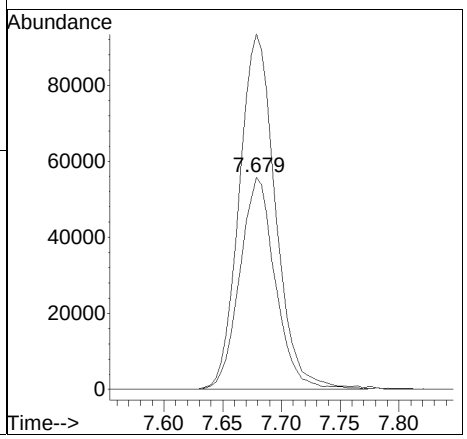


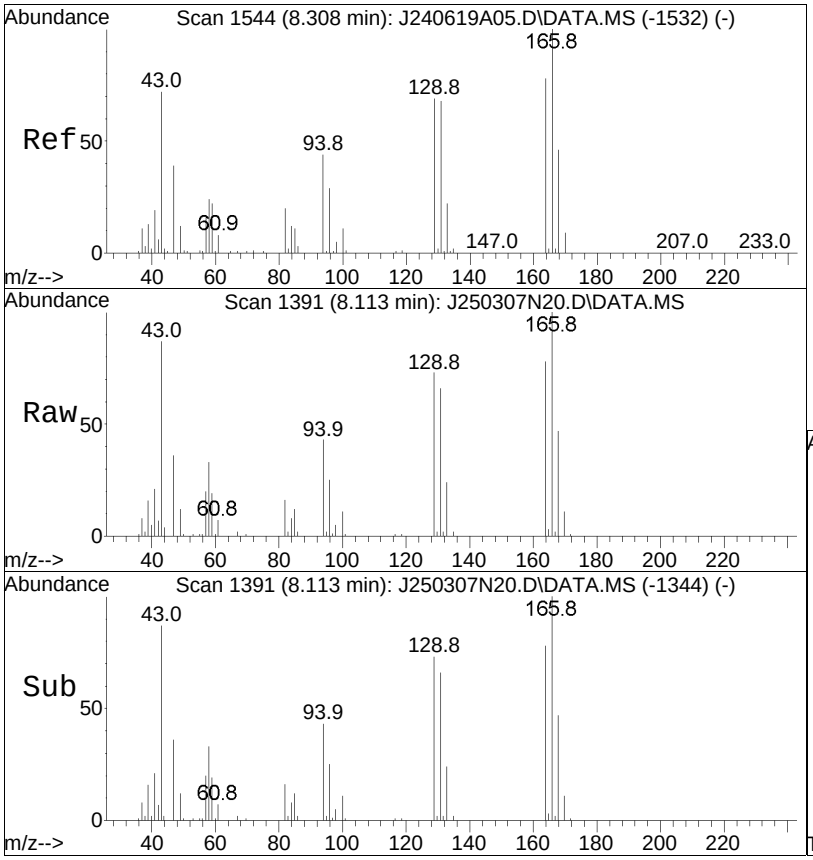


#65
Toluene
Concen: 10.75 ug/L
RT: 7.679 min Scan# 1290
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 92 Resp: 117423

Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.5	206.3

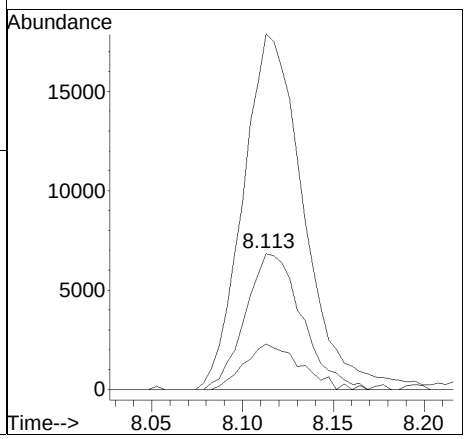


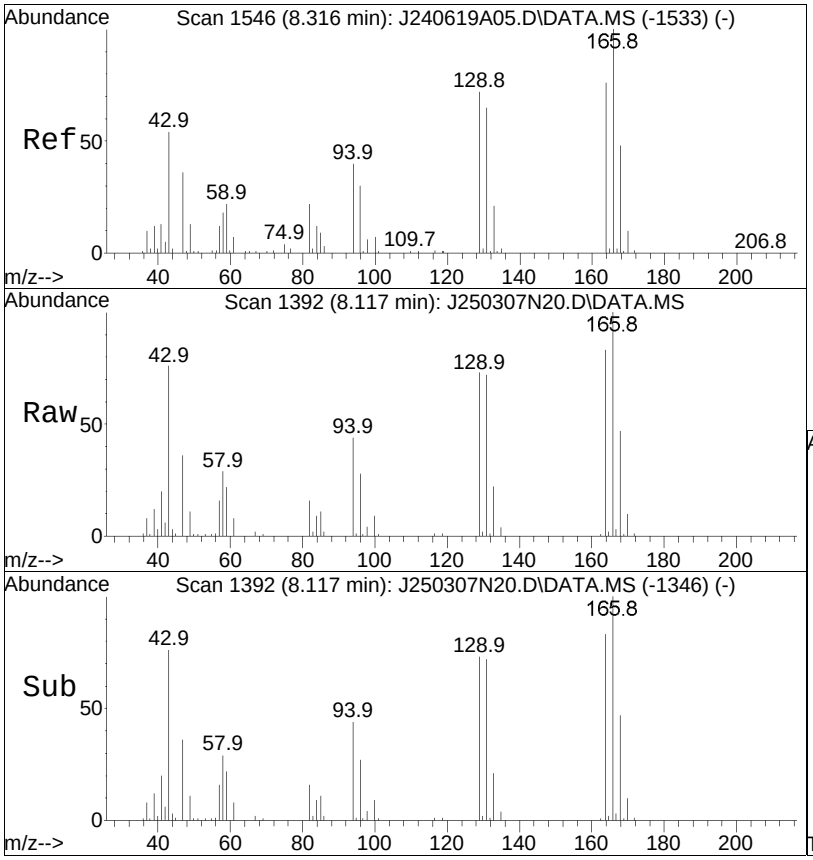


#66
4-Methyl-2-pentanone
Concen: 9.57 ug/L
RT: 8.113 min Scan# 1391
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 58 Resp: 14786

Ion	Ratio	Lower	Upper
58	100		
100	33.3	22.6	34.0
43	282.0	234.6	351.8

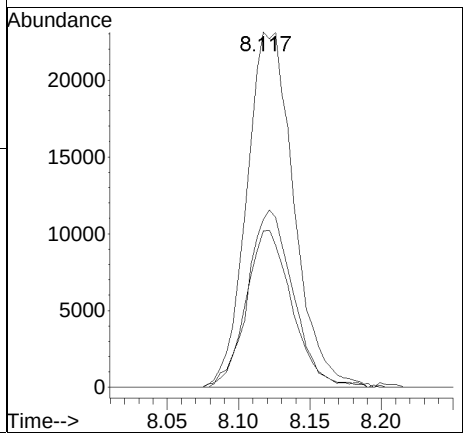


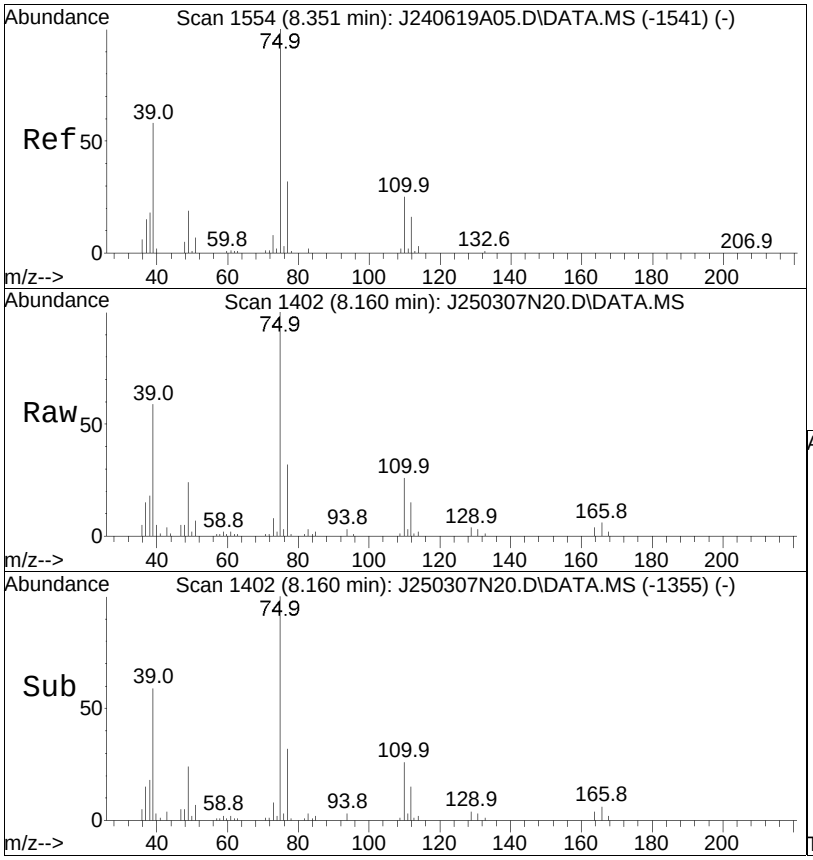


#67
Tetrachloroethene
Concen: 10.46 ug/L
RT: 8.117 min Scan# 1392
Delta R.T. -0.004 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:166 Resp: 53272

Ion	Ratio	Lower	Upper
166	100		
168	47.9	38.6	58.0
94	43.5	42.6	63.8

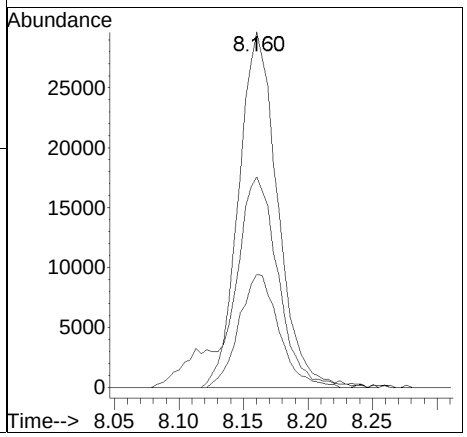


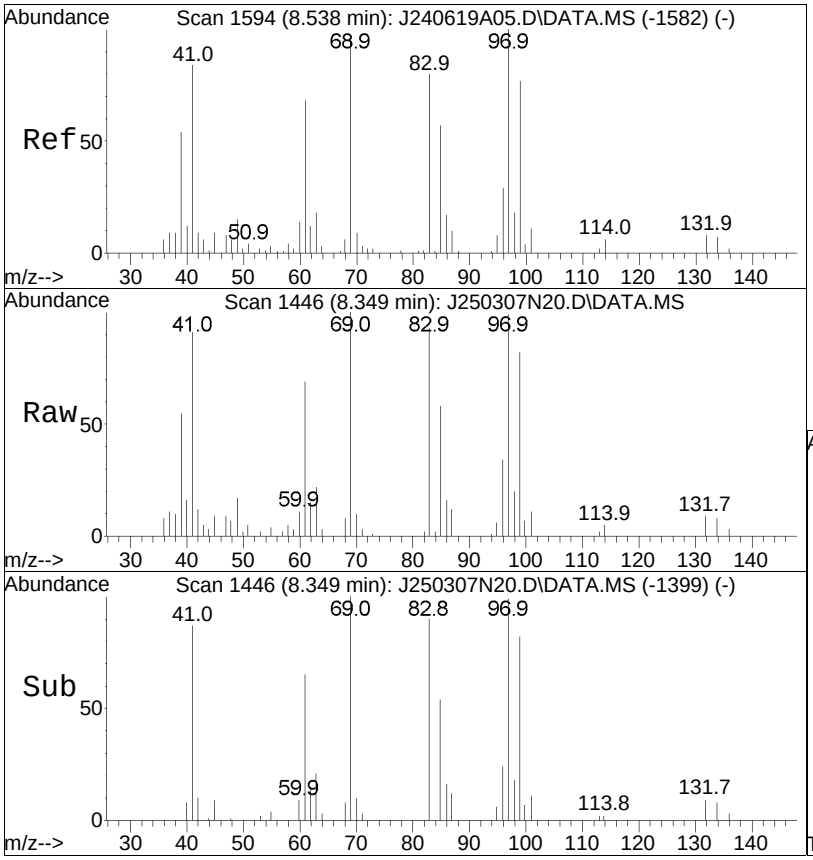


#69
trans-1,3-Dichloropropene
Concen: 10.20 ug/L
RT: 8.160 min Scan# 1402
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 75 Resp: 62450

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.6	38.4
39	70.9	60.2	90.4

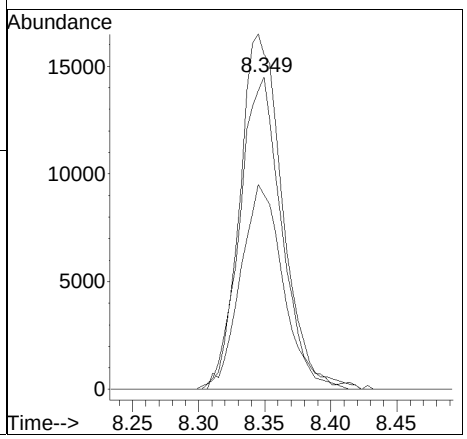


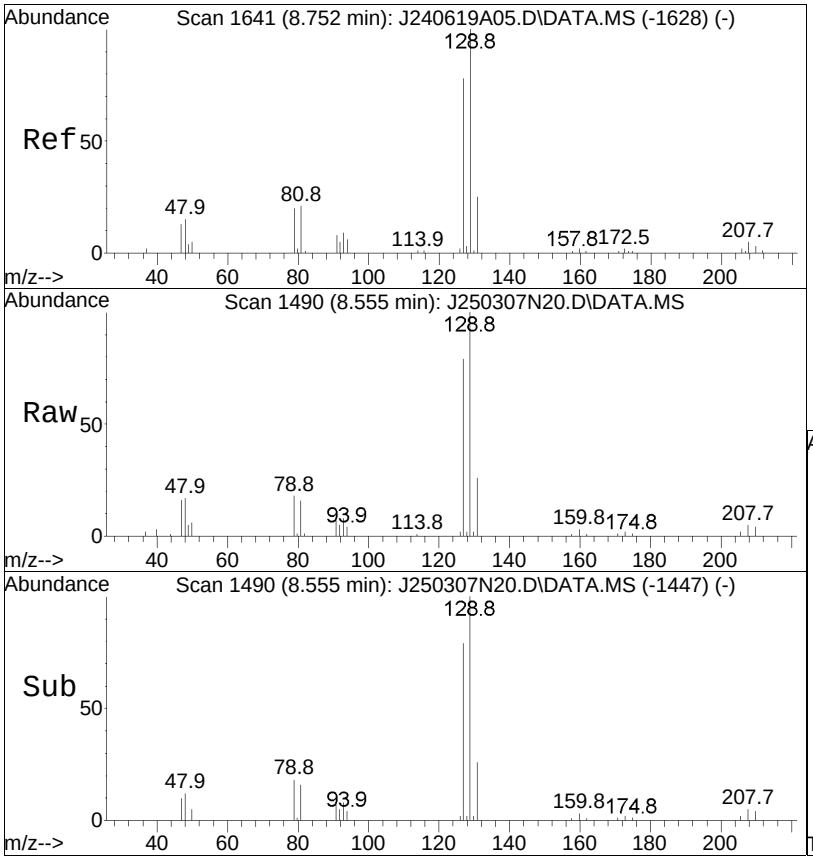


#72
1,1,2-Trichloroethane
Concen: 10.63 ug/L
RT: 8.349 min Scan# 1446
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 83 Resp: 34483

Ion	Ratio	Lower	Upper
83	100		
97	116.2	87.7	131.5
85	67.1	53.1	79.7

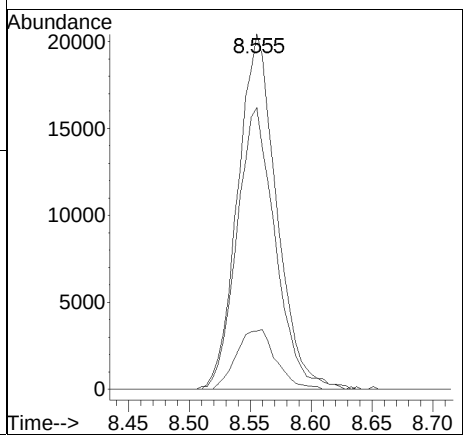


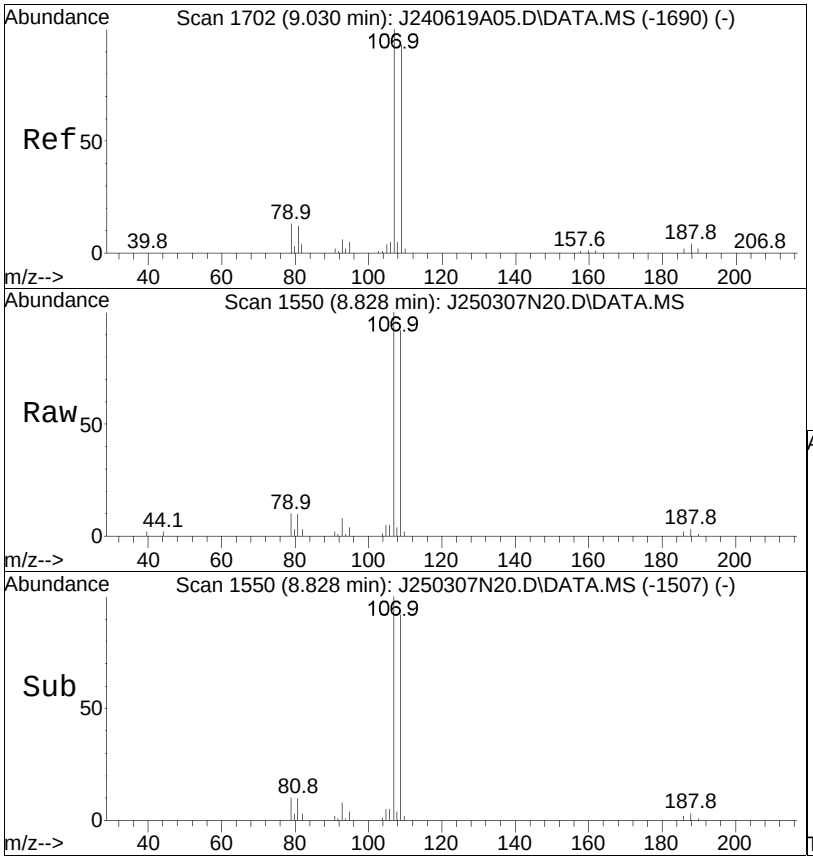


#73
Chlorodibromomethane
Concen: 10.05 ug/L
RT: 8.555 min Scan# 1490
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:129 Resp: 45449

Ion	Ratio	Lower	Upper
129	100		
81	17.1	14.6	22.0
127	78.6	62.6	93.8

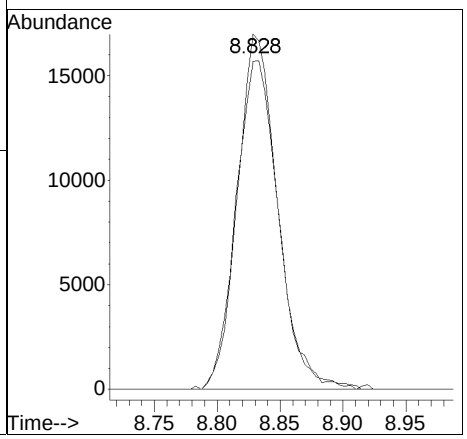


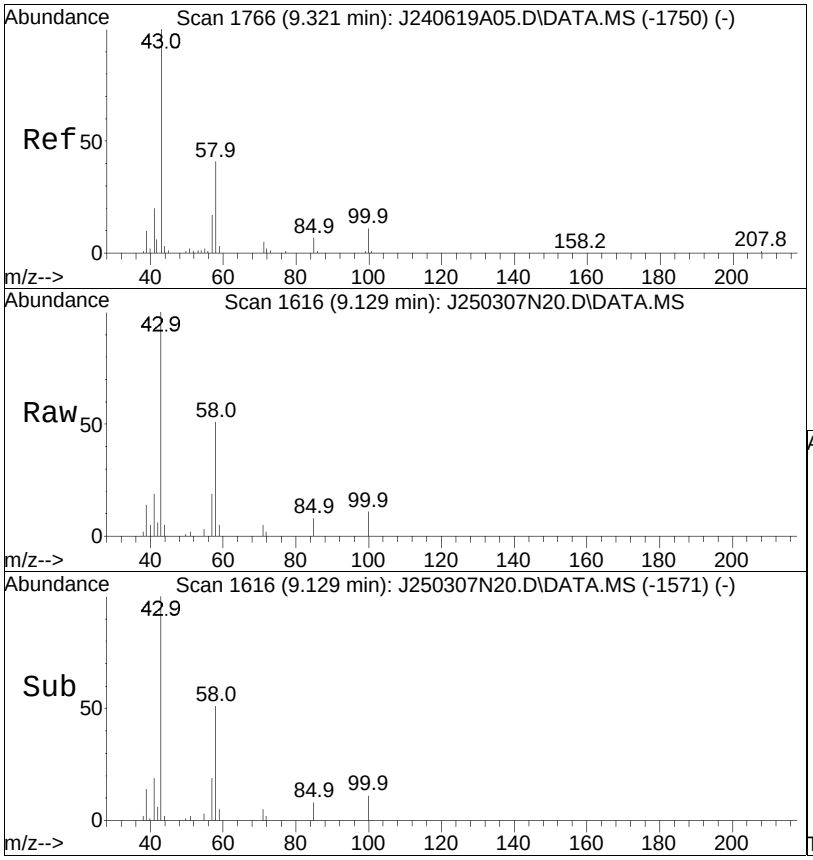


#75
1,2-Dibromoethane
Concen: 10.47 ug/L
RT: 8.828 min Scan# 1550
Delta R.T. -0.004 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:107 Resp: 38181

Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.0	112.4

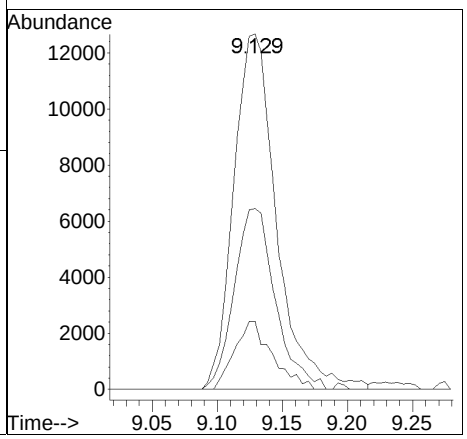


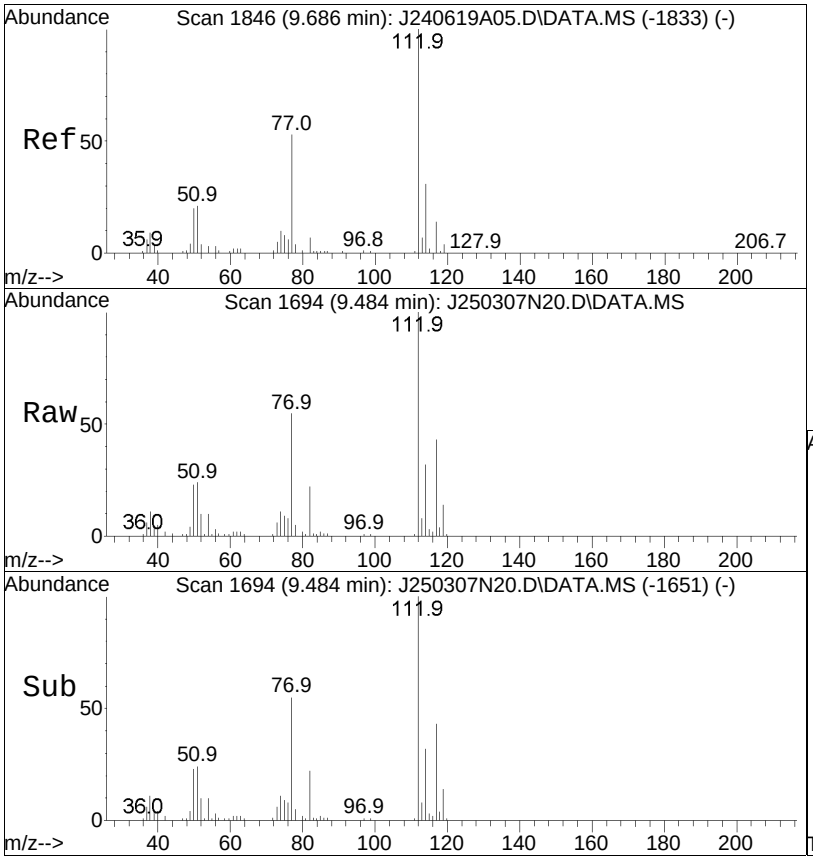


#77
2-Hexanone
Concen: 9.19 ug/L
RT: 9.129 min Scan# 1616
Delta R.T. 0.005 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 43 Resp: 29036

Ion	Ratio	Lower	Upper
43	100		
58	48.8	38.6	58.0
57	17.0	14.1	21.1

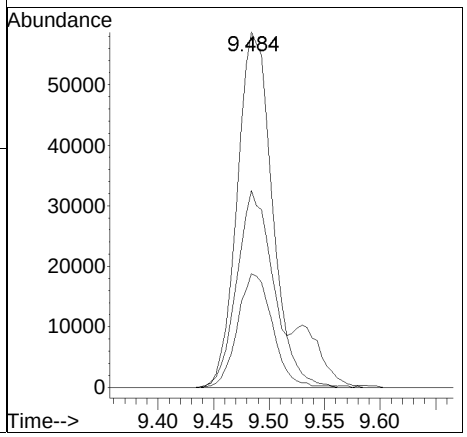


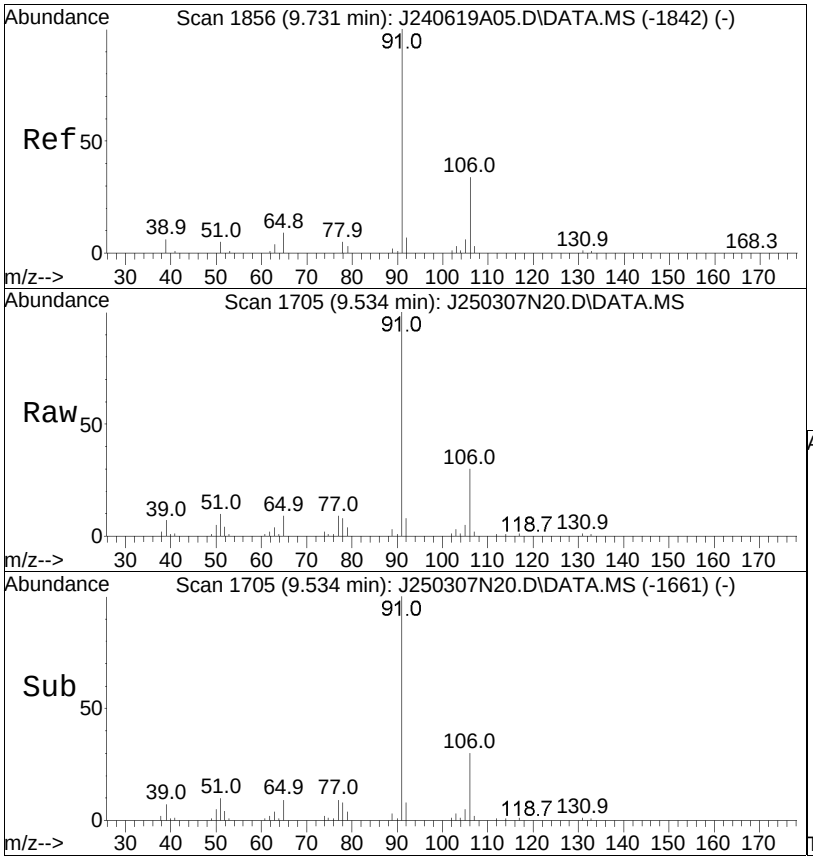


#78
Chlorobenzene
Concen: 10.69 ug/L
RT: 9.484 min Scan# 1694
Delta R.T. -0.004 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:112 Resp: 128720

Ion	Ratio	Lower	Upper
112	100		
77	55.6	54.8	82.2
114	32.0	25.4	38.0

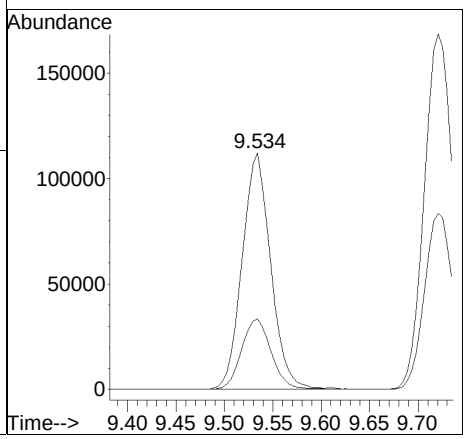


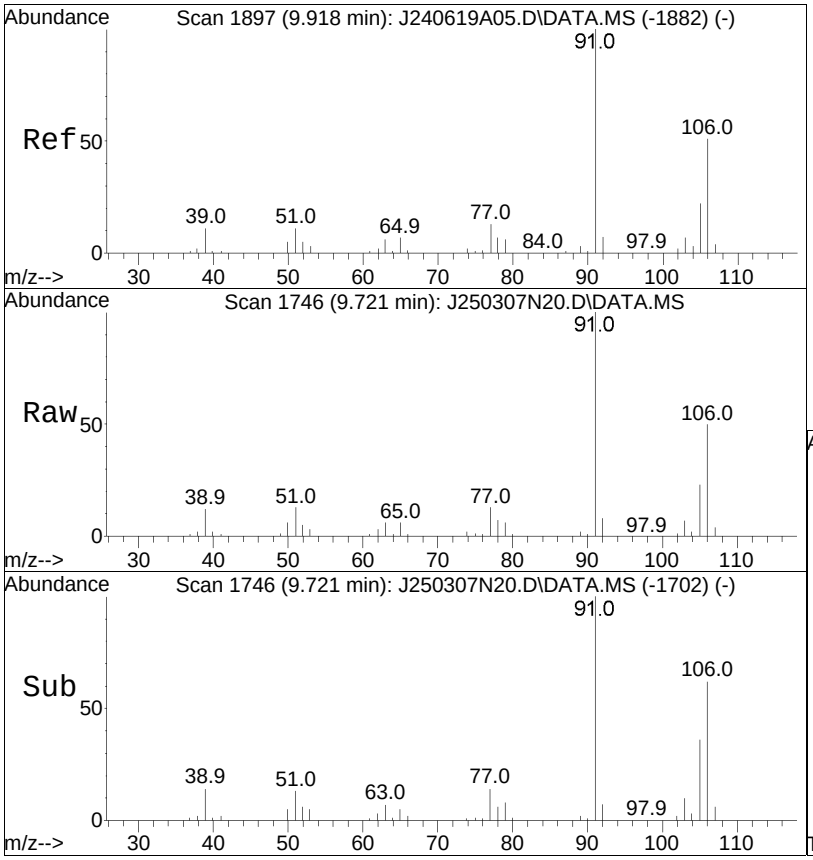


#79
Ethylbenzene
Concen: 10.64 ug/L
RT: 9.534 min Scan# 1705
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 91 Resp: 230722

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.4	35.2

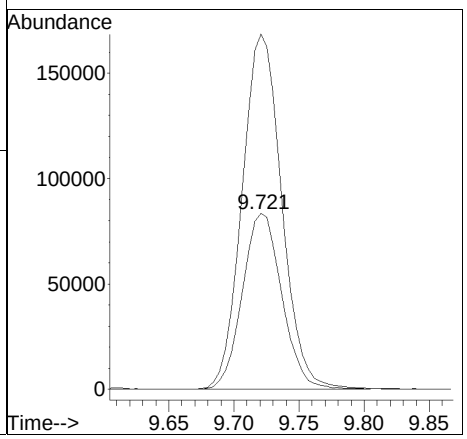


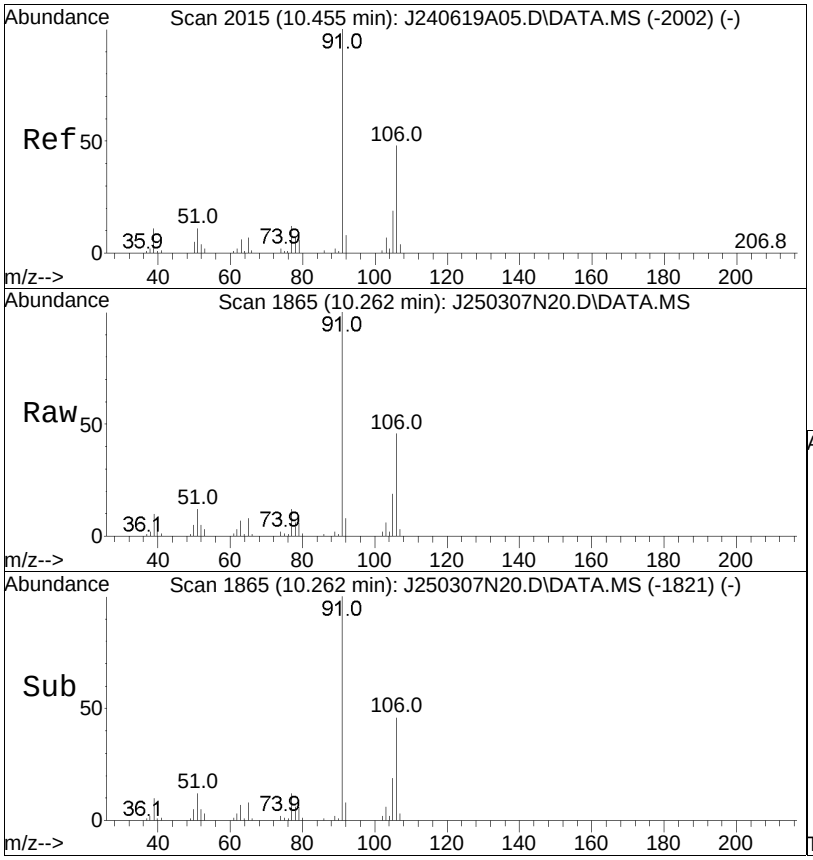


#81
p/m Xylene
Concen: 20.80 ug/L
RT: 9.721 min Scan# 1746
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:106 Resp: 176344

Ion	Ratio	Lower	Upper
106	100		
91	202.7	171.4	257.2

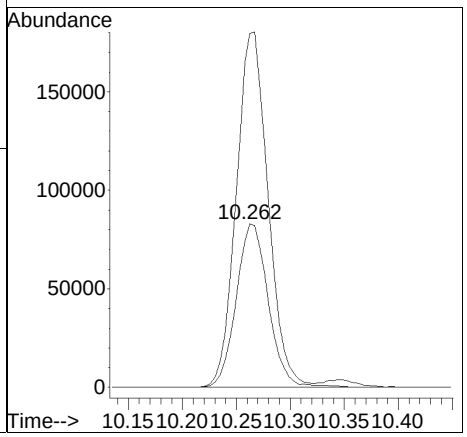


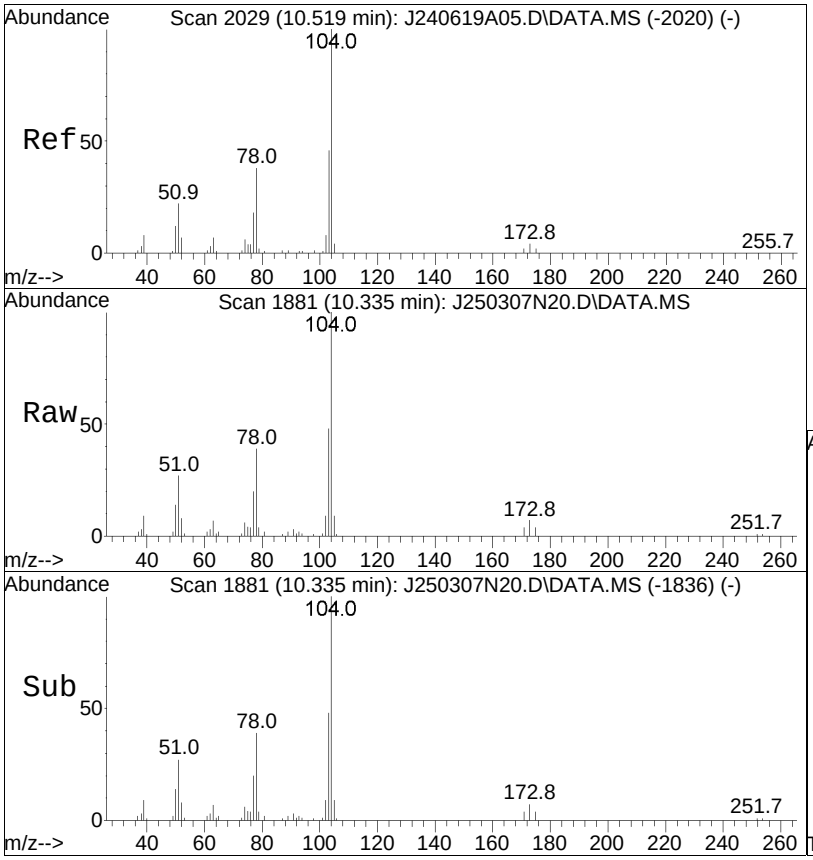


#82
o Xylene
Concen: 21.13 ug/L
RT: 10.262 min Scan# 1865
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:106 Resp: 172087

Ion	Ratio	Lower	Upper
106	100		
91	214.2	179.2	268.8

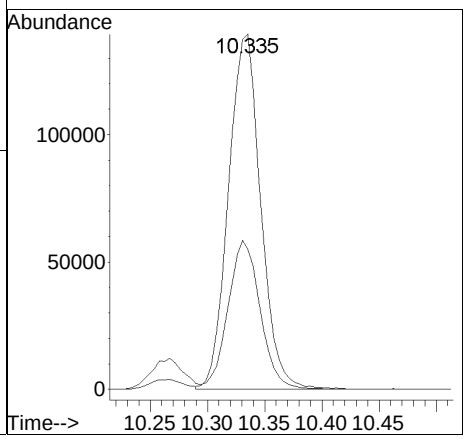


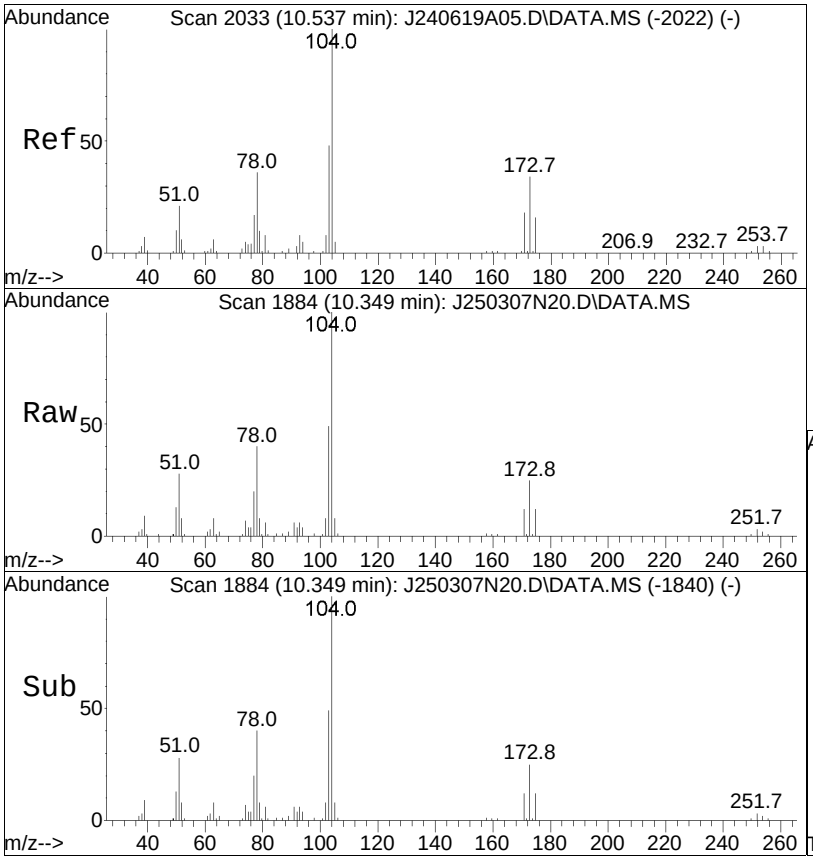


#83
Styrene
Concen: 19.75 ug/L
RT: 10.335 min Scan# 1881
Delta R.T. 0.005 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:104 Resp: 274102

Ion	Ratio	Lower	Upper
104	100		
78	41.8	38.1	57.1

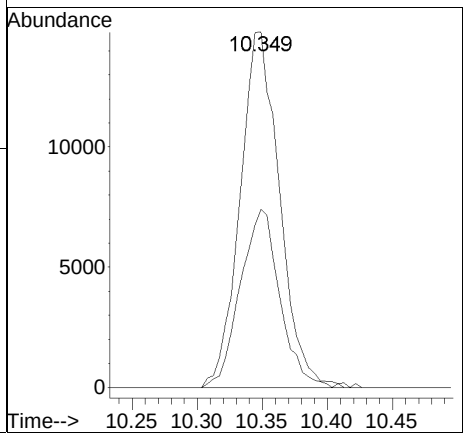


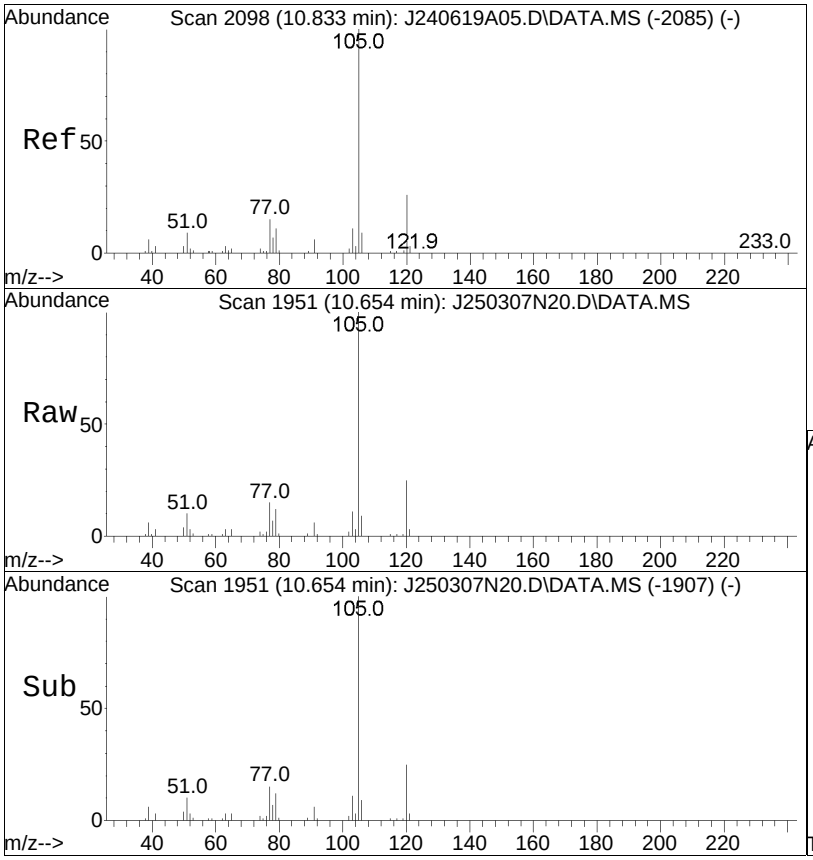


#85
Bromoform
Concen: 9.68 ug/L
RT: 10.349 min Scan# 1884
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:173 Resp: 31285

Ion	Ratio	Lower	Upper
173	100		
175	50.0	37.8	56.6

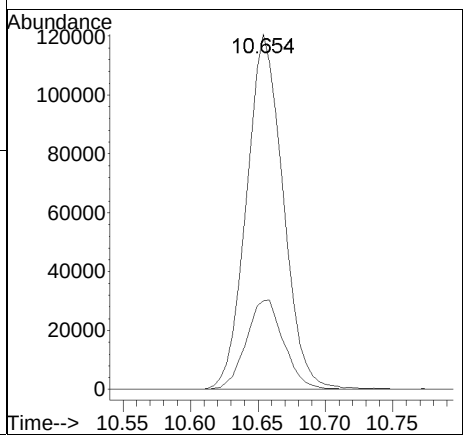


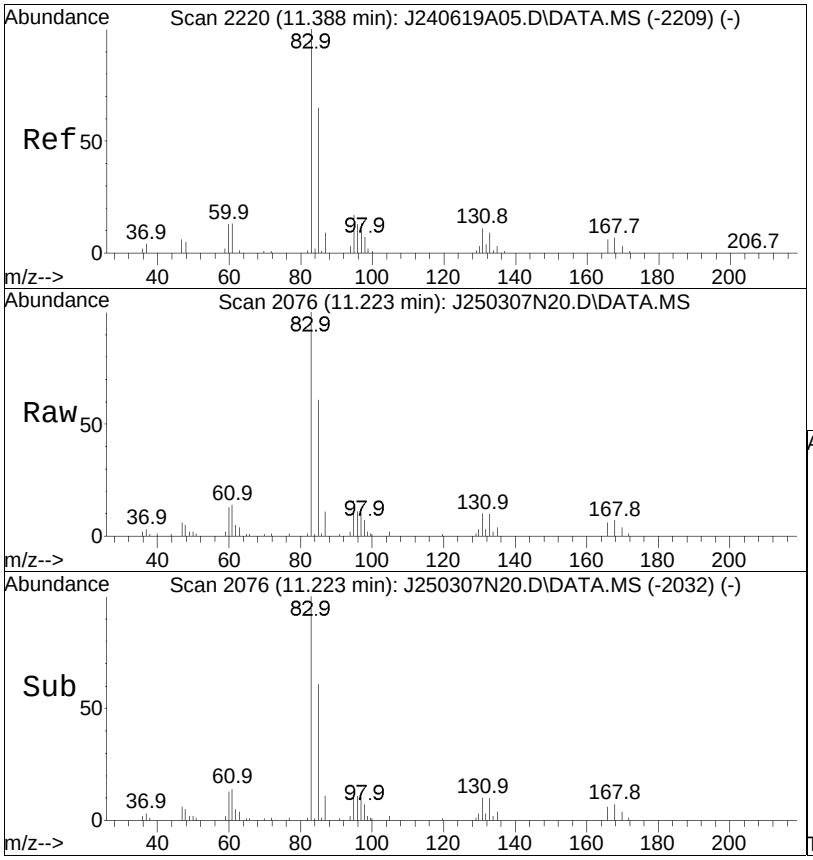


#87
Isopropylbenzene
Concen: 10.33 ug/L
RT: 10.654 min Scan# 1951
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:105 Resp: 227638

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.0	30.0

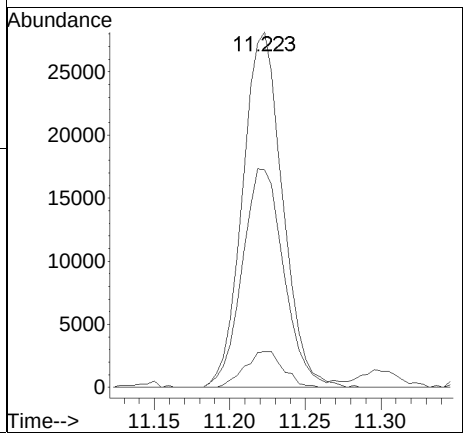


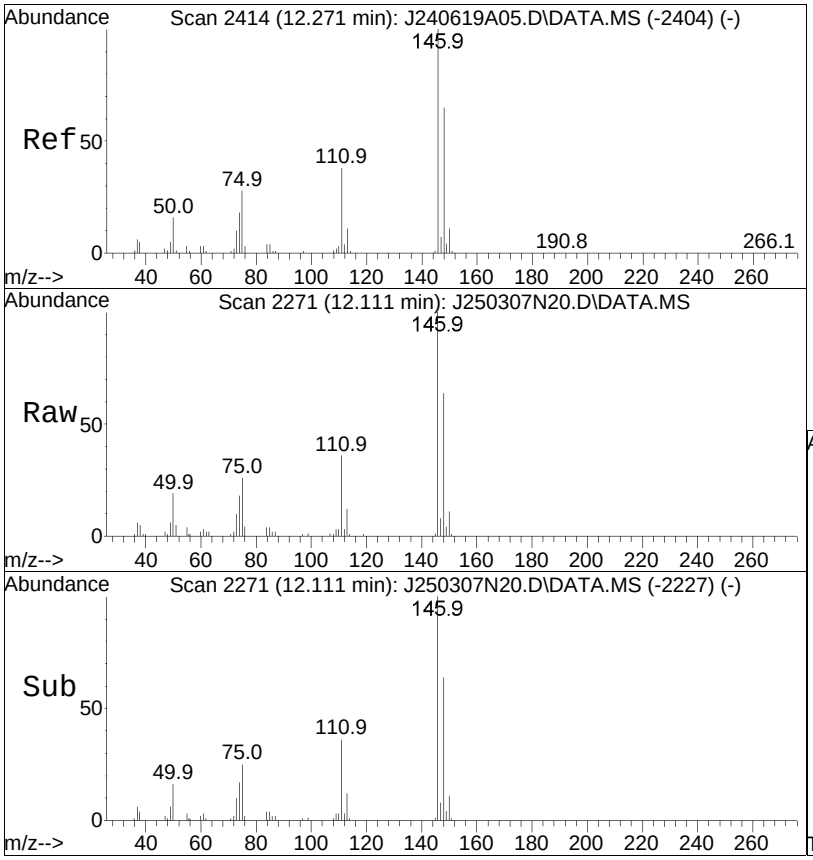


#92
1,1,2,2-Tetrachloroethane
Concen: 10.13 ug/L
RT: 11.223 min Scan# 2076
Delta R.T. -0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion: 83 Resp: 51939

Ion	Ratio	Lower	Upper
83	100		
131	9.8	6.6	10.0
85	63.9	51.8	77.6

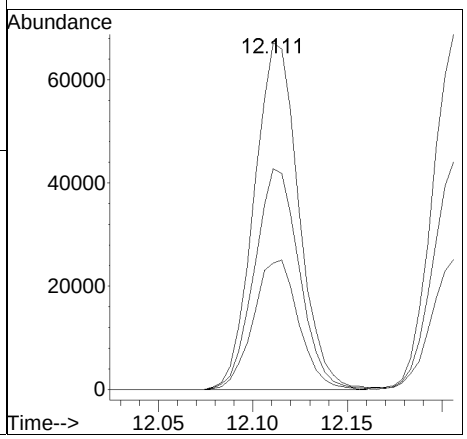


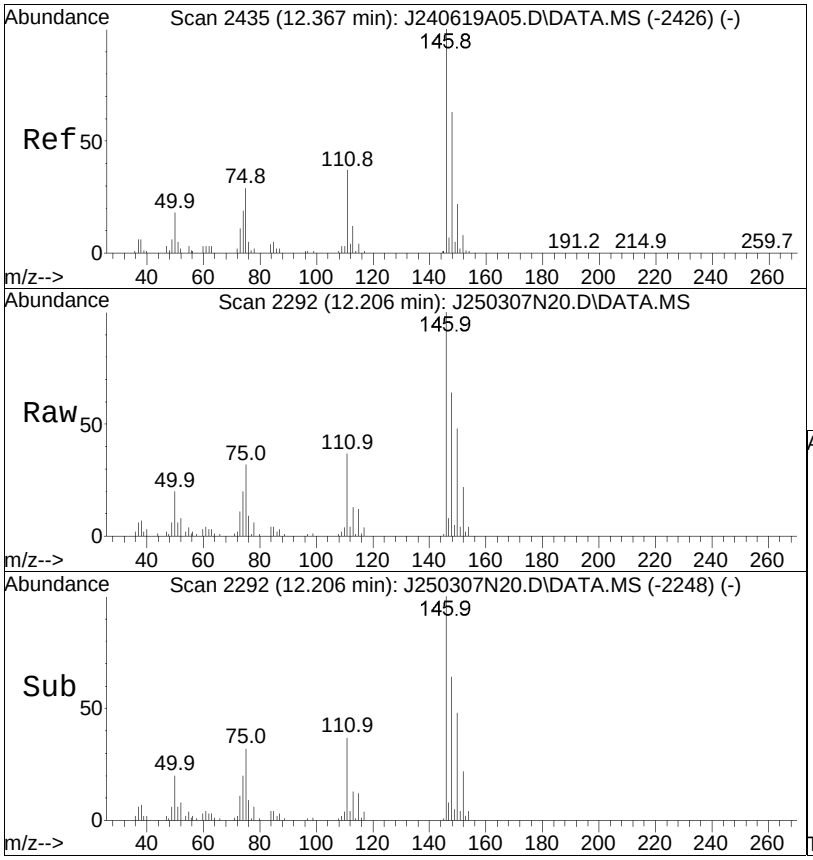


#105
1,3-Dichlorobenzene
Concen: 10.27 ug/L
RT: 12.111 min Scan# 2271
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:146 Resp: 110575

Ion	Ratio	Lower	Upper
146	100		
111	37.9	28.0	58.1
148	63.8	40.8	84.6

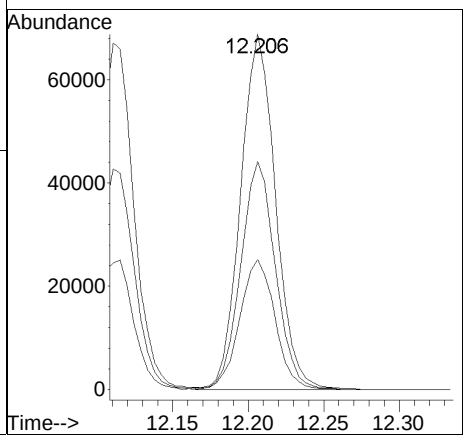


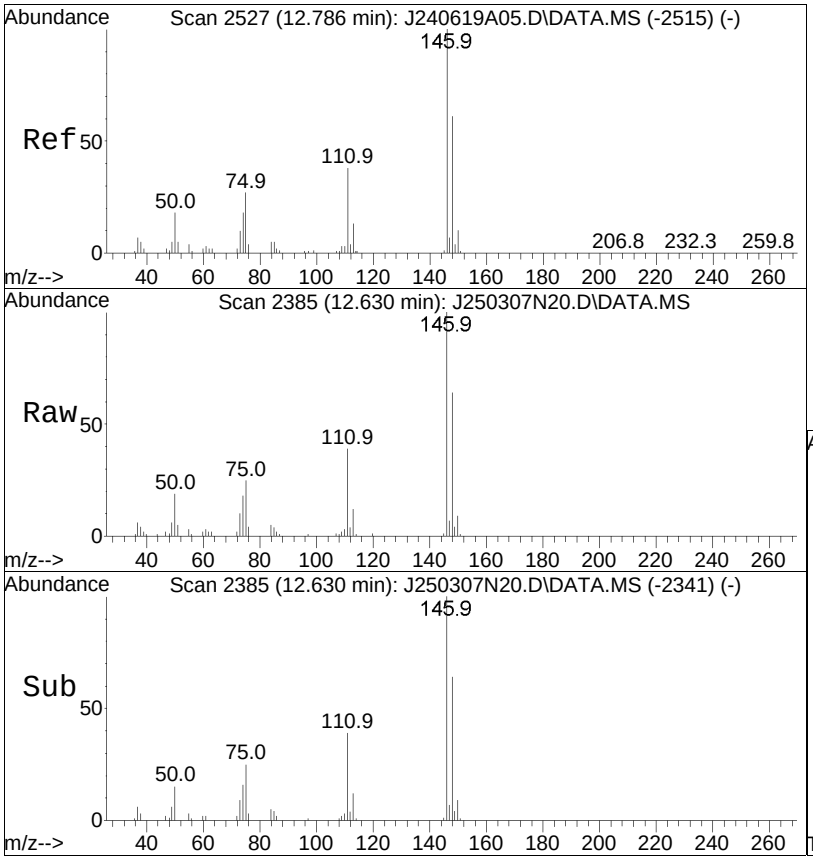


#106
1,4-Dichlorobenzene
Concen: 10.28 ug/L
RT: 12.206 min Scan# 2292
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:146 Resp: 110687

Ion	Ratio	Lower	Upper
146	100		
111	37.0	33.7	50.5
148	63.6	50.8	76.2

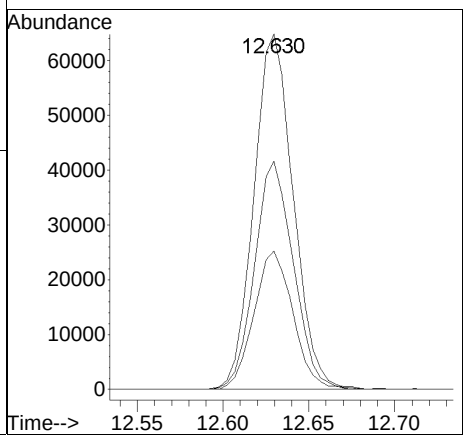


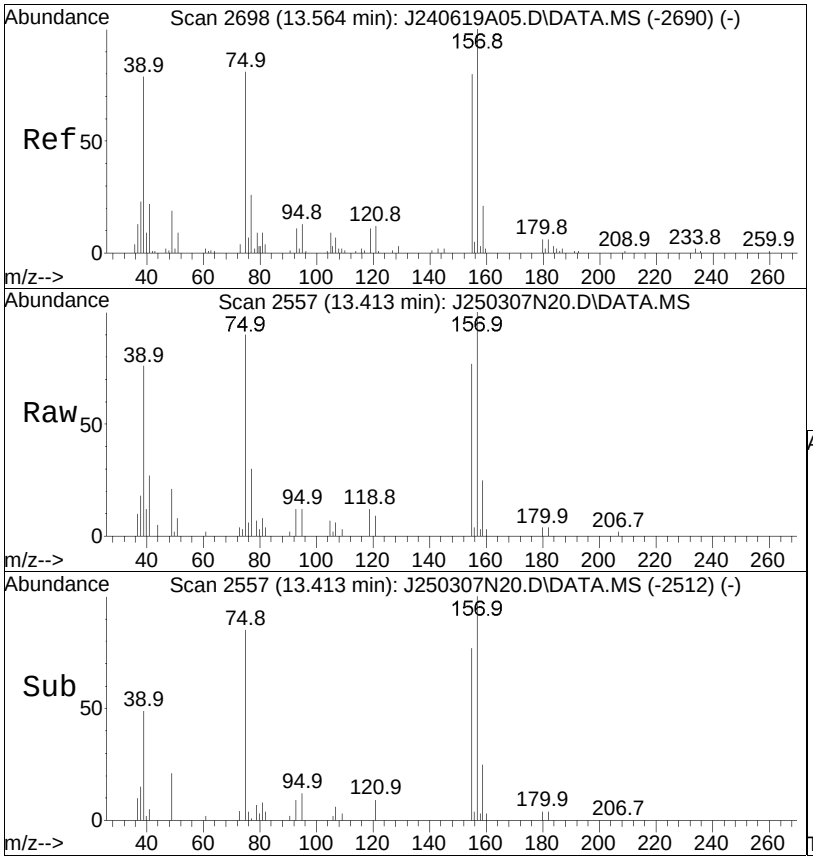


#109
1,2-Dichlorobenzene
Concen: 10.38 ug/L
RT: 12.630 min Scan# 2385
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:146 Resp: 103554

Ion	Ratio	Lower	Upper
146	100		
111	38.5	29.5	61.3
148	63.2	41.3	85.9

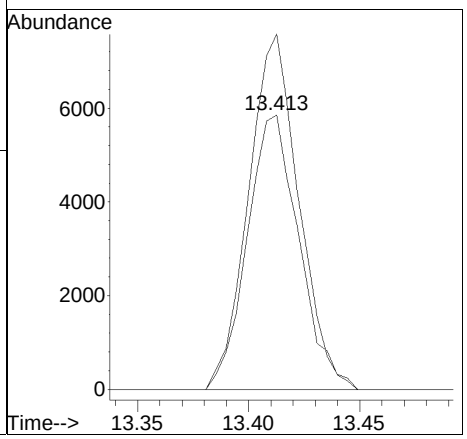


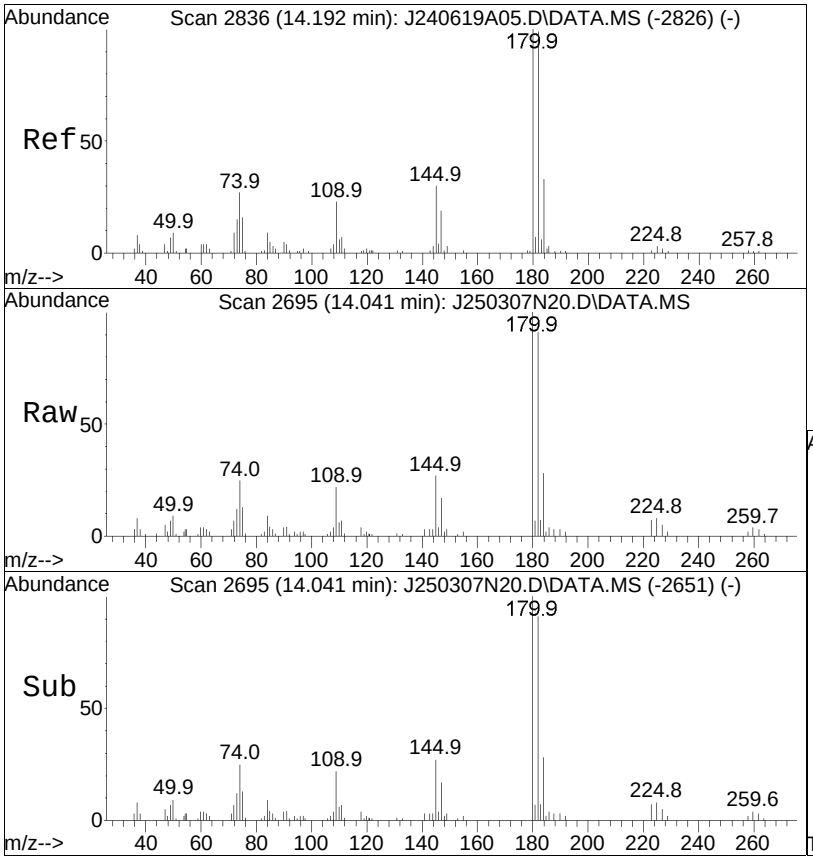


#111
1,2-Dibromo-3-chloropropane
Concen: 9.72 ug/L
RT: 13.413 min Scan# 2557
Delta R.T. 0.005 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:155 Resp: 9473

Ion	Ratio	Lower	Upper
155	100		
157	126.0	105.1	157.7

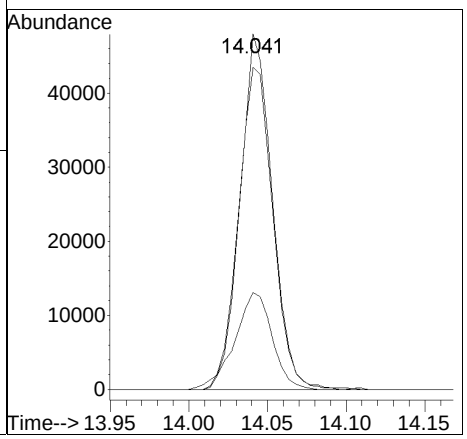


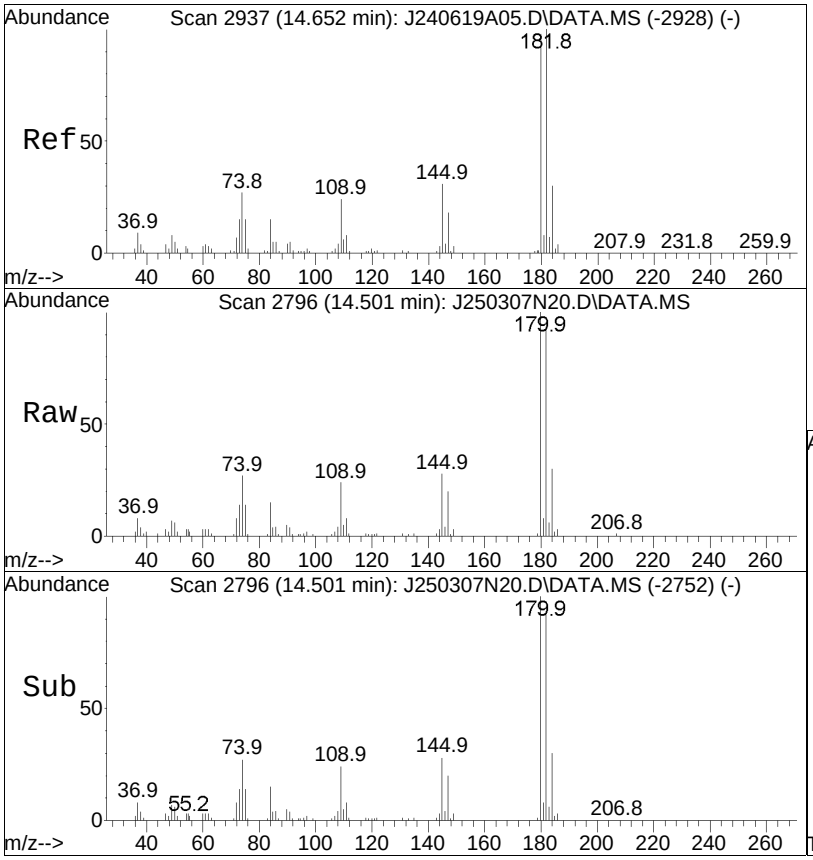


#114
1,2,4-Trichlorobenzene
Concen: 9.96 ug/L
RT: 14.041 min Scan# 2695
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:180 Resp: 69121

Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.7	113.5
145	31.2	27.4	41.2

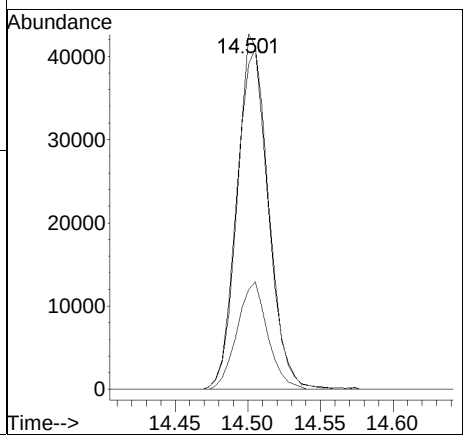




#116
1,2,3-Trichlorobenzene
Concen: 10.12 ug/L
RT: 14.501 min Scan# 2796
Delta R.T. 0.000 min
Lab File: J250307N20.D
Acq: 8 Mar 2025 3:21 am

Tgt Ion:180 Resp: 64364

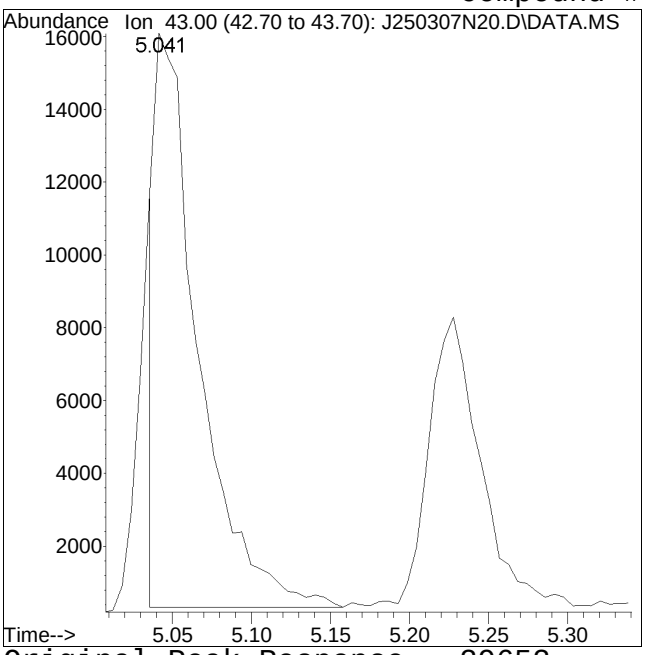
Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.7	112.1
145	29.4	22.1	33.1

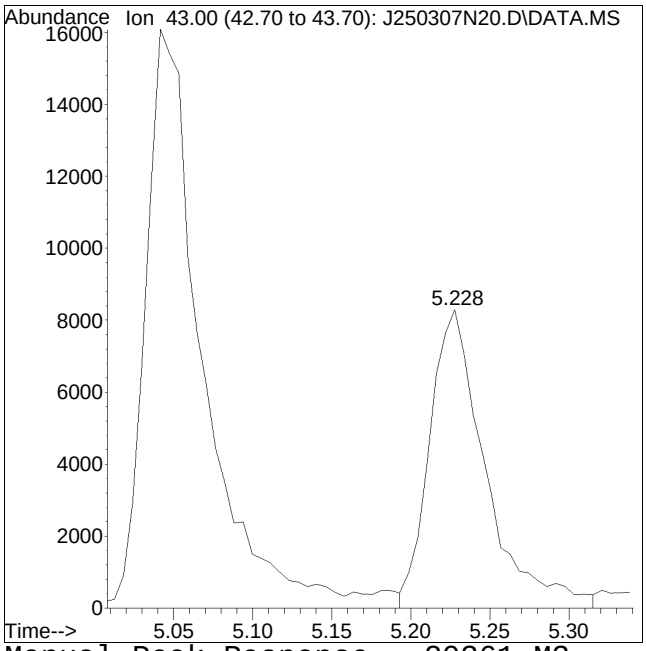


Manual Integration Report

Data Path	: K:\Jack\2025\250307N\	QMethod	: VJ_250228_8260.m
Data File	: J250307N20.D	Operator	: JACK:MKS
Date Inj'd	: 3/8/2025 3:21 am	Instrument	: Jack
Sample	: WG2038627-6,31,10,10,,A1	Quant Date	: 3/10/2025 12:22 pm

Compound #42: 2-Butanone





Original Peak Response = 29652 Manual Peak Response = 20361 M3

M3 = 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 : K:\Jack\2025\250307N\
Data File : J250307N21.D
Acq On : 8 Mar 2025 3:48 am
Operator : JACK:MKS
Sample : WG2038627-7,31,10,10,,A2
Misc : WG2038627,ICAL22041
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 10 12:32:49 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.920	96	164610	10.000	ug/L	0.00
Standard Area 1 = 180282			Recovery = 91.31%			
63) Chlorobenzene-d5	9.466	117	124417	10.000	ug/L	0.00
Standard Area 1 = 129688			Recovery = 95.94%			
84) 1,4-Dichlorobenzene-d4	12.192	152	73240	10.000	ug/L	0.00
Standard Area 1 = 75468			Recovery = 97.05%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.111	113	44836	10.306	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 103.06%		
47) 1,2-Dichloroethane-d4	5.635	65	52149	9.769	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 97.69%		
64) Toluene-d8	7.618	98	163722	9.983	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 99.83%		
88) 4-Bromofluorobenzene	10.972	95	60722	9.692	ug/L	0.00
Spiked Amount 10.000		Range 70 - 130		Recovery = 96.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.558	85	55365	12.029	ug/L	98
3) Chloromethane	1.744	50	58058	11.996	ug/L	98
4) Vinyl chloride	1.814	62	77762	13.409	ug/L	95
5) Bromomethane	2.122	94	29256	9.978	ug/L	97
6) Chloroethane	2.244	64	44622	14.330	ug/L	100
7) Trichlorofluoromethane	2.378	101	78575	11.625	ug/L	99
10) 1,1-Dichloroethene	2.866	96	44011	11.712	ug/L	83
11) Carbon disulfide	2.889	76	135572	11.768	ug/L	100
12) Freon-113	2.907	101	46923	11.571	ug/L	87
15) Methylene chloride	3.419	84	47147	11.580	ug/L	94
17) Acetone	3.454	43	16085	12.684	ug/L	92
18) trans-1,2-Dichloroethene	3.570	96	48373	11.917	ug/L	87
19) Methyl acetate	3.576	43	24690	8.961	ug/L #	89
21) Methyl tert-butyl ether	3.663	73	119233	10.624	ug/L	98
25) 1,1-Dichloroethane	4.152	63	93653	11.571	ug/L	98
30) cis-1,2-Dichloroethene	4.669	96	50756	11.333	ug/L	89
33) Bromochloromethane	4.855	128	23896	11.915	ug/L #	71
34) Cyclohexane	4.861	56	90805	10.822	ug/L	100
35) Chloroform	4.931	83	86891	11.421	ug/L	97
37) Carbon tetrachloride	5.065	117	70141	11.731	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N21.D
Acq On : 8 Mar 2025 3:48 am
Operator : JACK:MKS
Sample : WG2038627-7,31,10,10,,A2
Misc : WG2038627,ICAL22041
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 10 12:32:49 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Jack\2025\250307N\J250307N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40) 1,1,1-Trichloroethane	5.134	97	79033	11.754	ug/L		96
42) 2-Butanone	5.227	43	19258	9.701	ug/L	#	74
45) Benzene	5.501	78	184698	11.099	ug/L		98
48) 1,2-Dichloroethane	5.704	62	65115	11.137	ug/L		98
51) Methyl cyclohexane	6.088	83	81349	10.507	ug/L		92
52) Trichloroethene	6.094	95	50354	11.270	ug/L		92
55) 1,2-Dichloropropane	6.641	63	48926	11.347	ug/L		99
58) Bromodichloromethane	6.716	83	62206	10.985	ug/L	#	96
62) cis-1,3-Dichloropropene	7.412	75	71242	10.582	ug/L		97
65) Toluene	7.674	92	117017	10.659	ug/L		99
66) 4-Methyl-2-pentanone	8.113	58	14619	9.413	ug/L	#	97
67) Tetrachloroethene	8.117	166	52721	10.302	ug/L		92
69) trans-1,3-Dichloropropene	8.160	75	61914	10.057	ug/L		96
72) 1,1,2-Trichloroethane	8.345	83	35008	10.735	ug/L		96
73) Chlorodibromomethane	8.551	129	46764	10.288	ug/L		98
75) 1,2-Dibromoethane	8.833	107	38422	10.480	ug/L		98
77) 2-Hexanone	9.124	43	28801	9.067	ug/L		98
78) Chlorobenzene	9.484	112	127333	10.519	ug/L		97
79) Ethylbenzene	9.529	91	223323	10.247	ug/L		96
81) p/m Xylene	9.716	106	175532	20.594	ug/L		92
82) o Xylene	10.262	106	171701	20.971	ug/L		92
83) Styrene	10.331	104	270641	19.400	ug/L		91
85) Bromoform	10.349	173	31607	9.782	ug/L		96
87) Isopropylbenzene	10.654	105	226291	10.270	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.223	83	52210	10.180	ug/L	#	98
105) 1,3-Dichlorobenzene	12.110	146	110467	10.261	ug/L		95
106) 1,4-Dichlorobenzene	12.206	146	109441	10.164	ug/L		97
109) 1,2-Dichlorobenzene	12.629	146	102208	10.245	ug/L		96
111) 1,2-Dibromo-3-chloropr...	13.417	155	9404	9.644	ug/L		97
114) 1,2,4-Trichlorobenzene	14.041	180	68521	9.868	ug/L		98
116) 1,2,3-Trichlorobenzene	14.505	180	64314	10.114	ug/L		97

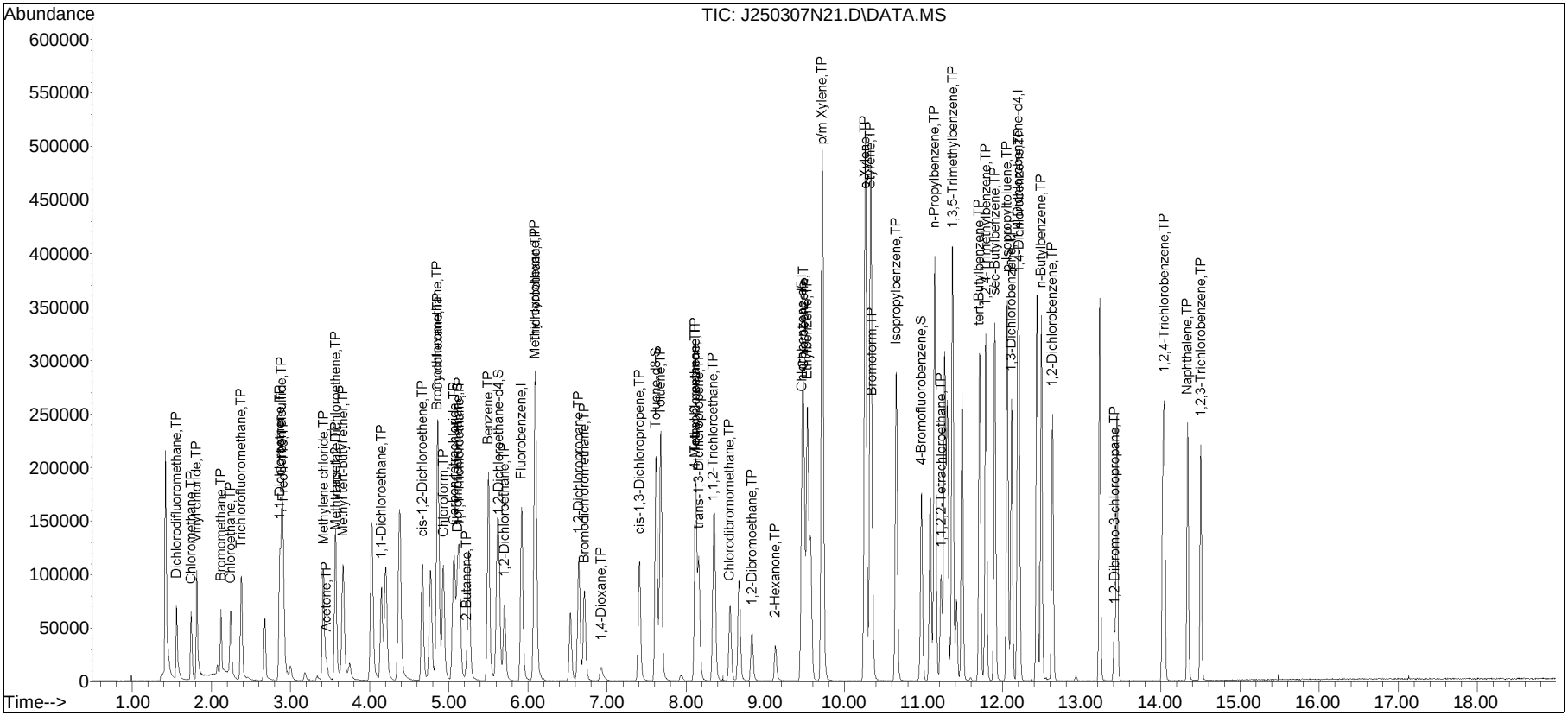
(#) = qualifier out of range (m) = manual integration (+) = signals summed

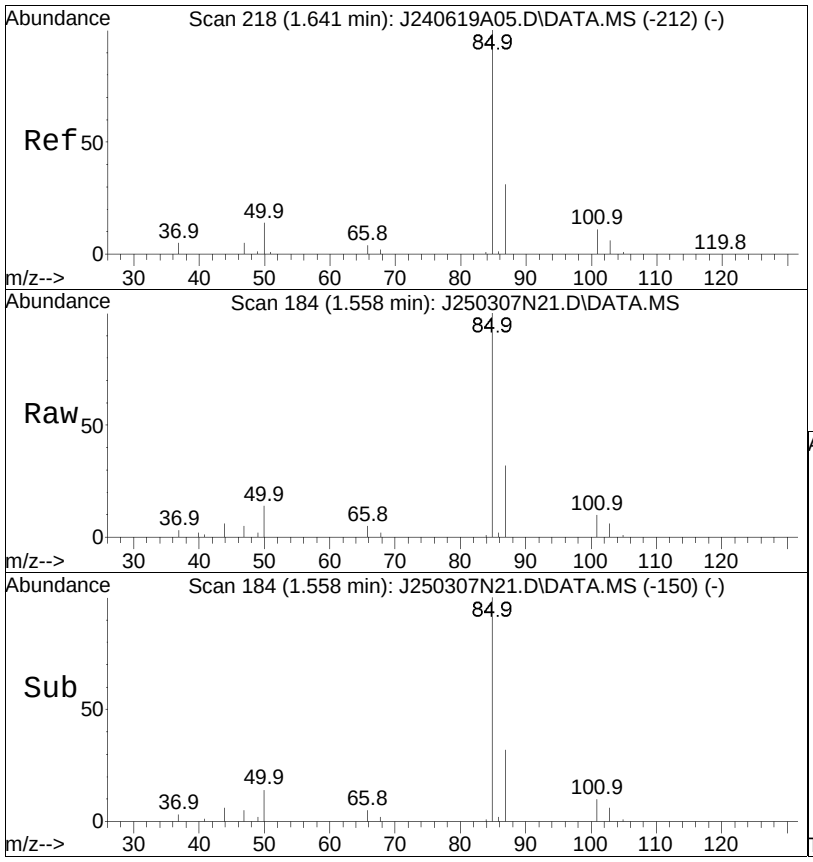
Quantitation Report (QT Reviewed)

Data Path : K:\Jack\2025\250307N\
Data File : J250307N21.D
Acq On : 8 Mar 2025 3:48 am
Operator : JACK:MKS
Sample : WG2038627-7,31,10,10,,A2
Misc : WG2038627,ICAL22041
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 10 12:32:49 2025
Quant Method : K:\Jack\2025\250307N\VJ_250228_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Feb 28 09:40:56 2025
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARSN01.D•

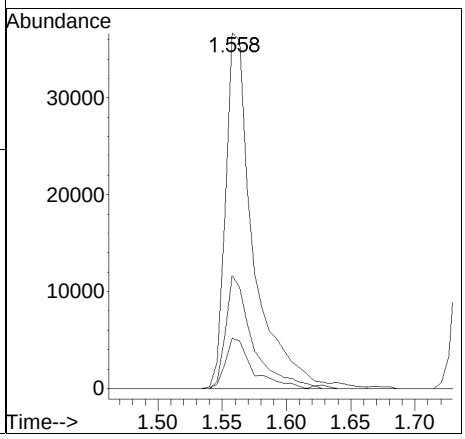


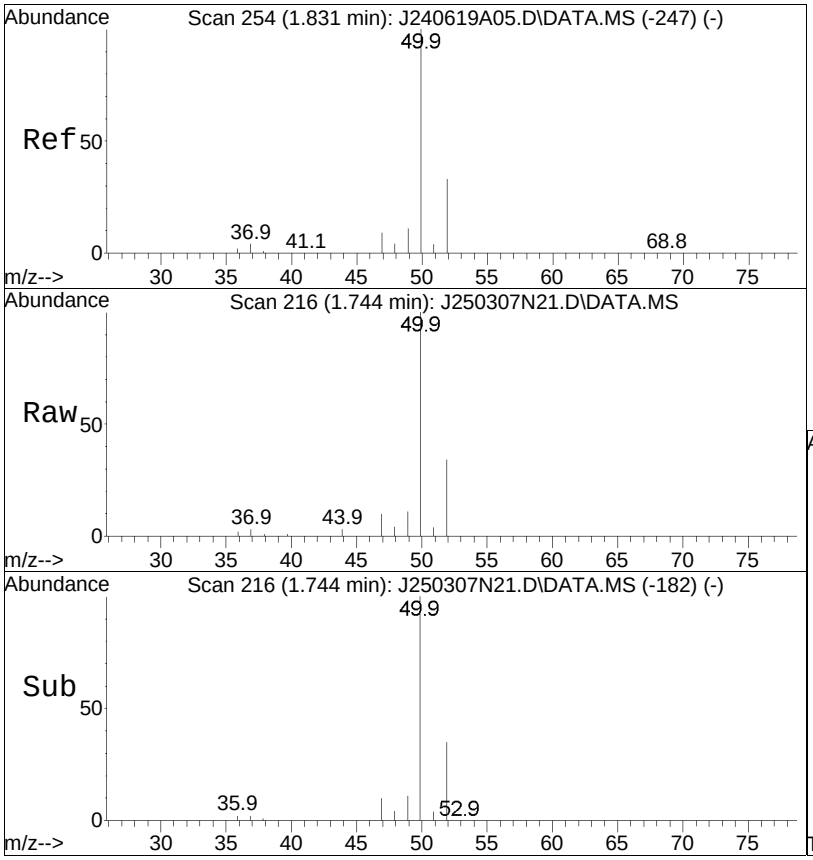


#2
Dichlorodifluoromethane
Concen: 12.03 ug/L
RT: 1.558 min Scan# 184
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 85 Resp: 55365

Ion	Ratio	Lower	Upper
85	100		
87	30.9	20.2	42.0
50	13.7	10.1	20.9

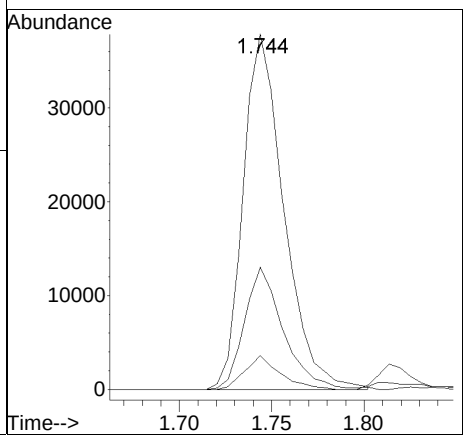


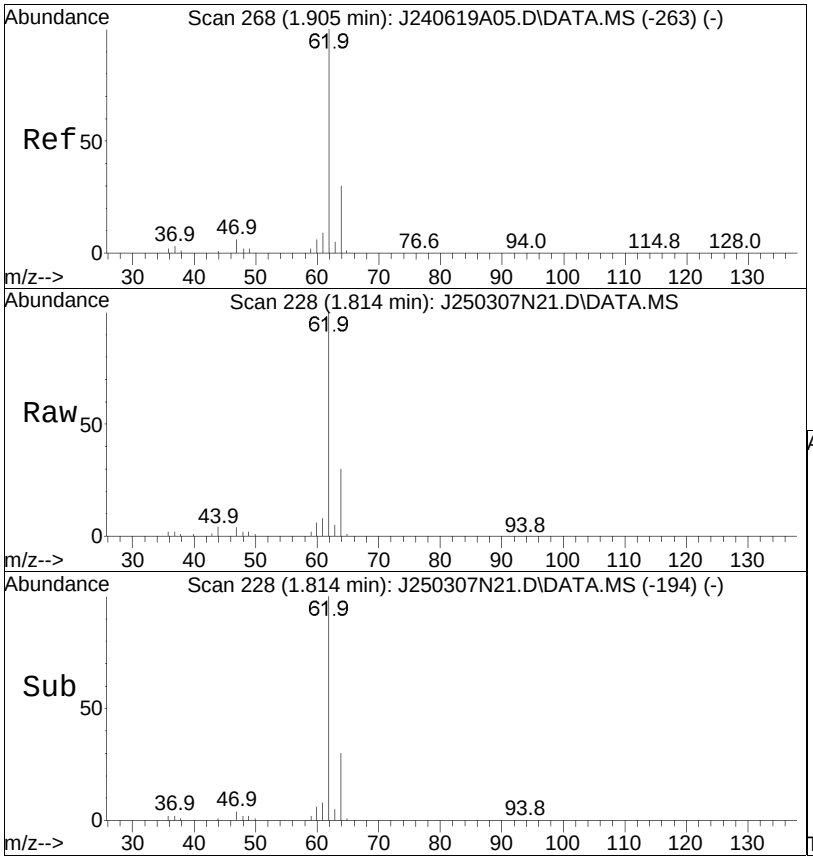


#3
Chloromethane
Concen: 12.00 ug/L
RT: 1.744 min Scan# 216
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 50 Resp: 58058

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.1	37.7
47	8.3	6.5	9.7

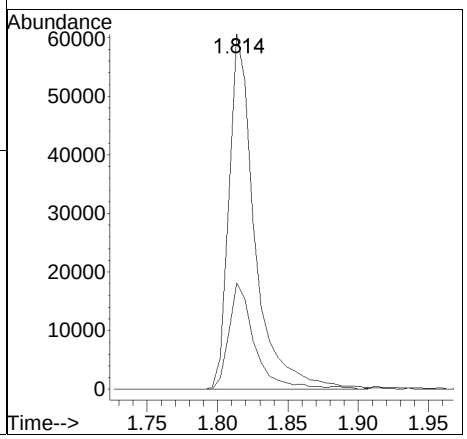


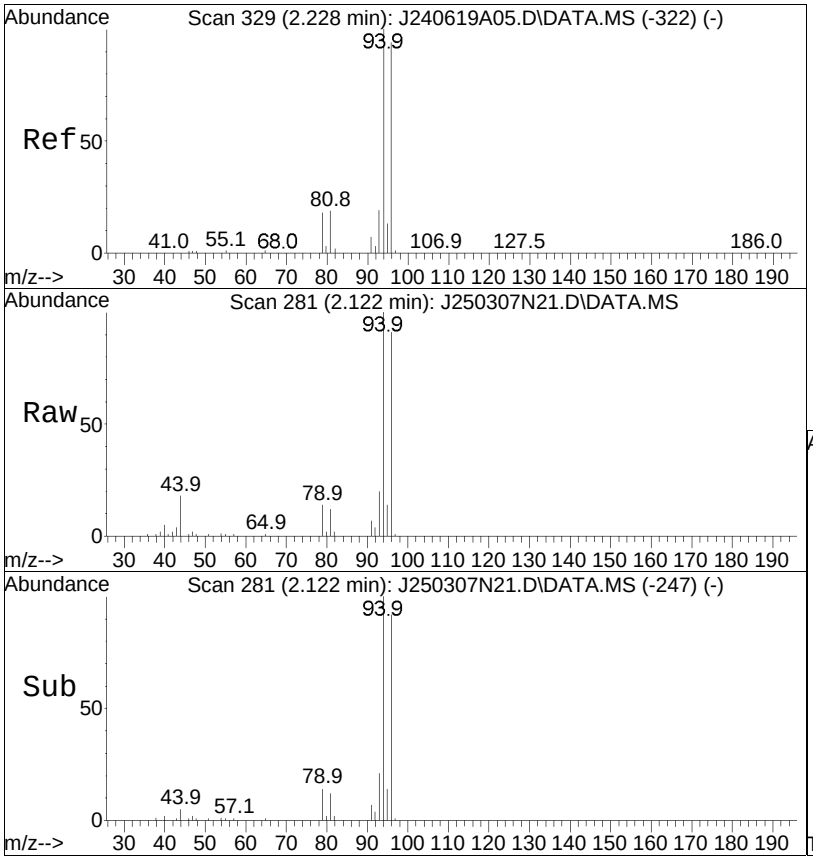


#4
Vinyl chloride
Concen: 13.41 ug/L
RT: 1.814 min Scan# 228
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 62 Resp: 77762

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.7	38.5

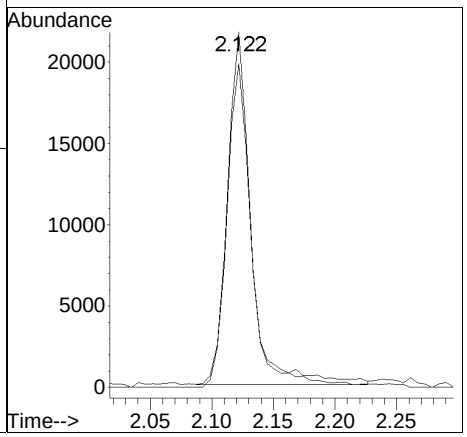


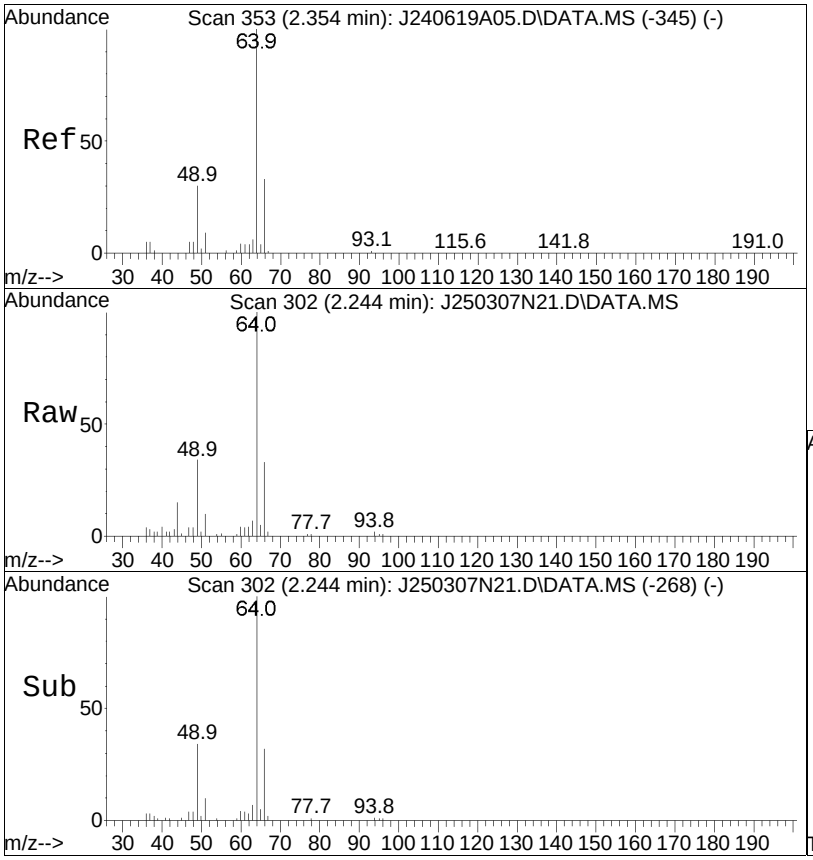


#5
Bromomethane
Concen: 9.98 ug/L
RT: 2.122 min Scan# 281
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 94 Resp: 29256

Ion	Ratio	Lower	Upper
94	100		
96	94.9	73.7	110.5

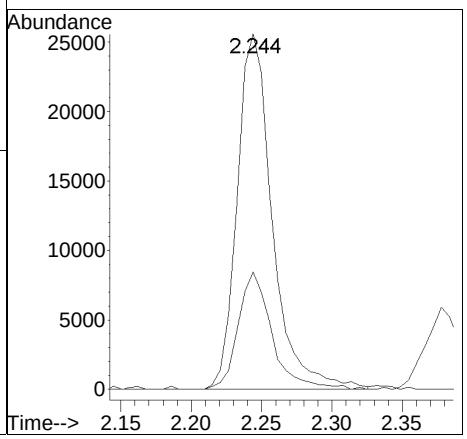


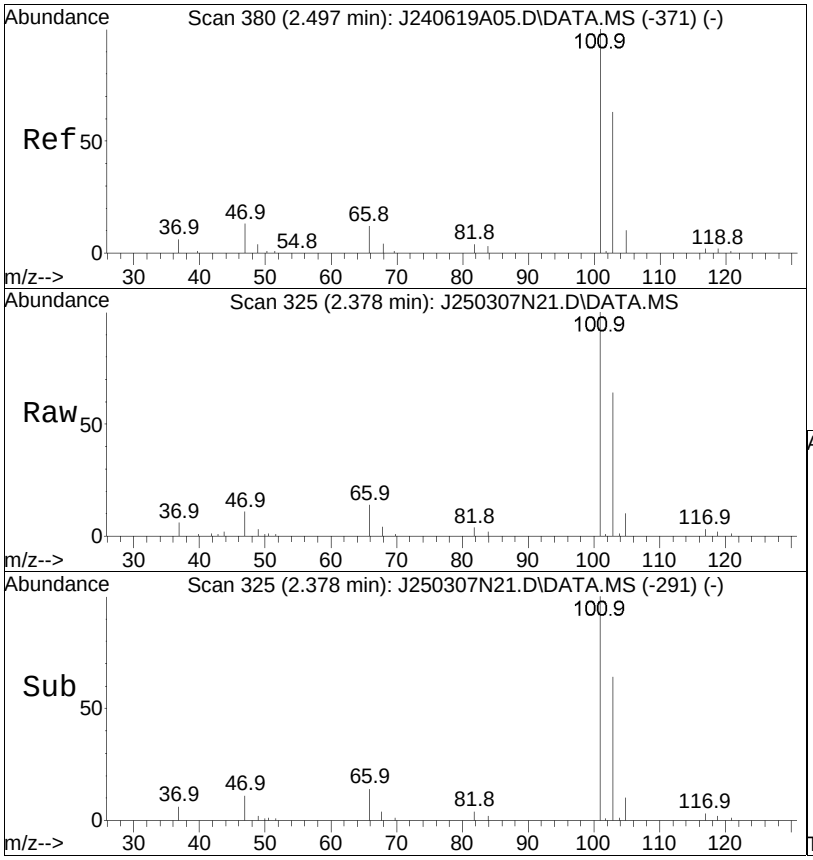


#6
Chloroethane
Concen: 14.33 ug/L
RT: 2.244 min Scan# 302
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 64 Resp: 44622

Ion	Ratio	Lower	Upper
64	100		
66	31.8	25.3	37.9

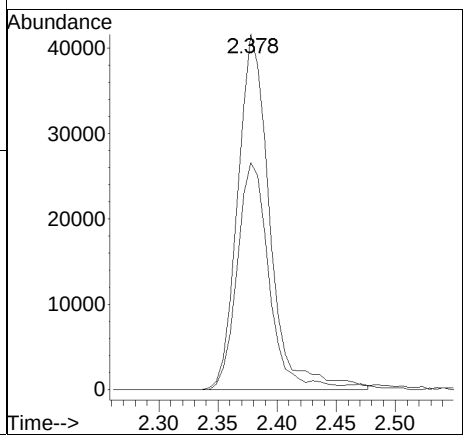


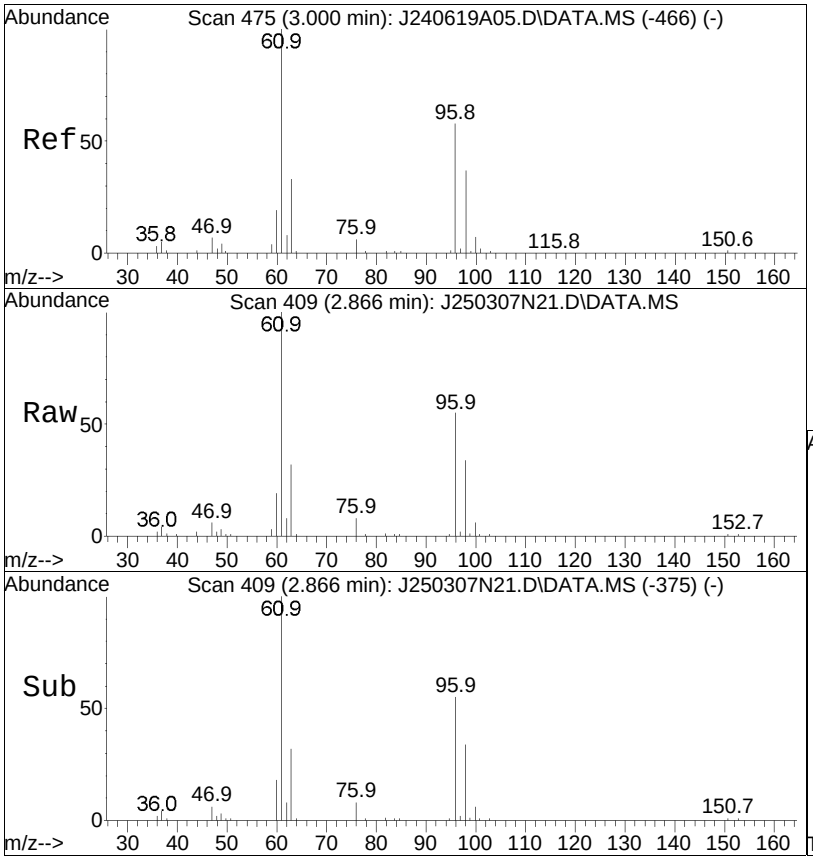


#7
Trichlorofluoromethane
Concen: 11.63 ug/L
RT: 2.378 min Scan# 325
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:101 Resp: 78575

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.0	76.4

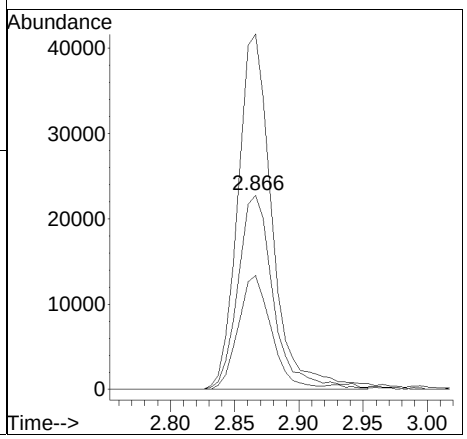


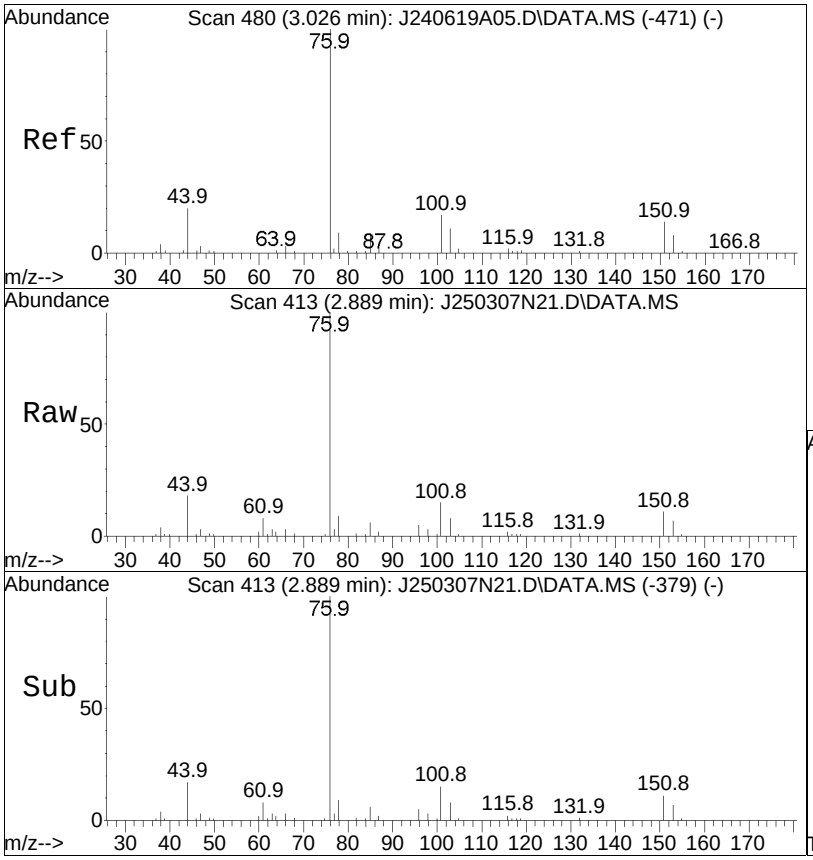


#10
1,1-Dichloroethene
Concen: 11.71 ug/L
RT: 2.866 min Scan# 409
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 96 Resp: 44011

Ion	Ratio	Lower	Upper
96	100		
61	178.0	165.5	248.3
63	54.6	51.9	77.9

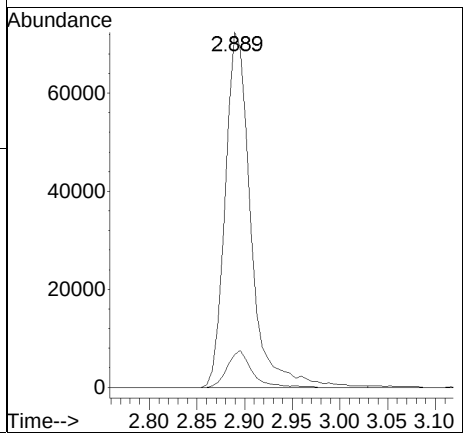


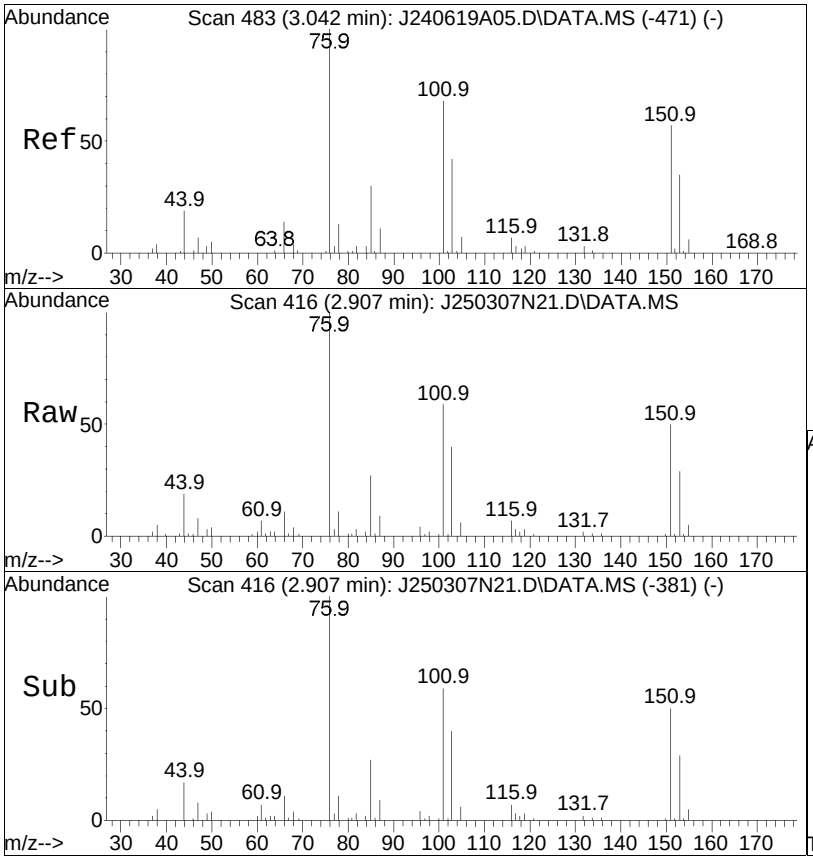


#11
Carbon disulfide
Concen: 11.77 ug/L
RT: 2.889 min Scan# 413
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 76 Resp: 135572

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

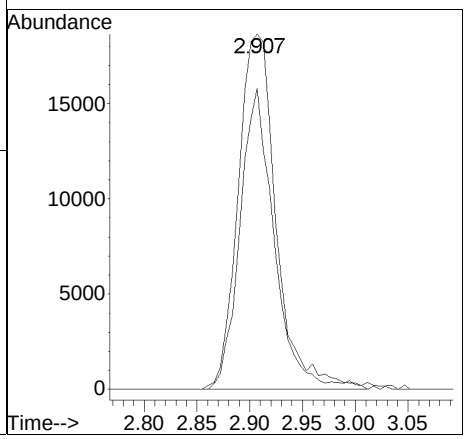


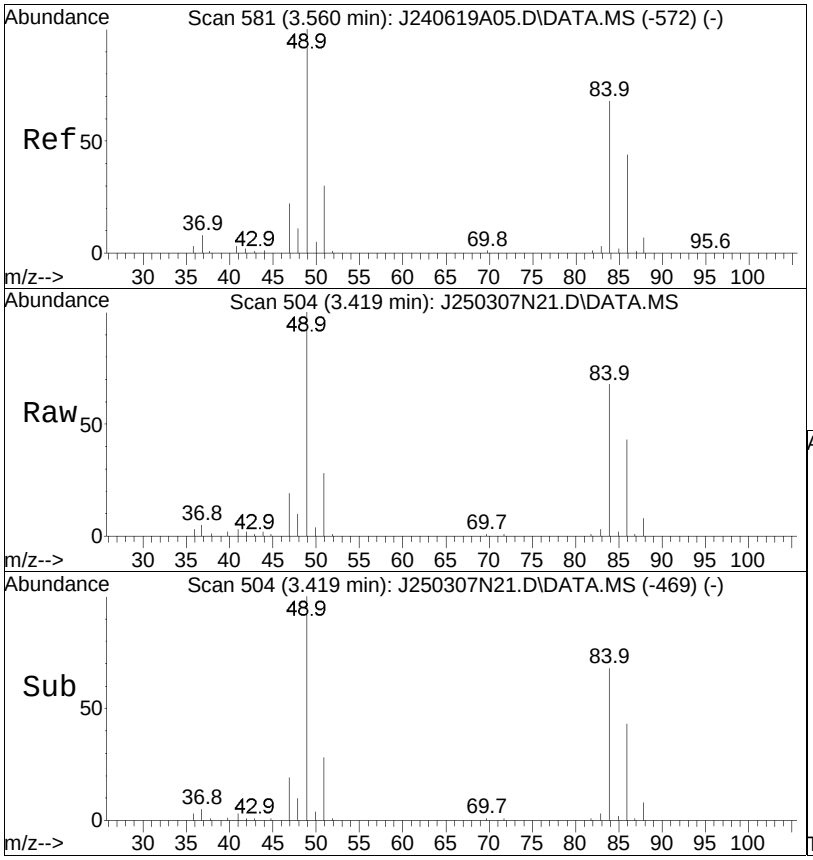


#12
Freon-113
Concen: 11.57 ug/L
RT: 2.907 min Scan# 416
Delta R.T. 0.006 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:101 Resp: 46923

Ion	Ratio	Lower	Upper
101	100		
151	75.4	51.9	77.9

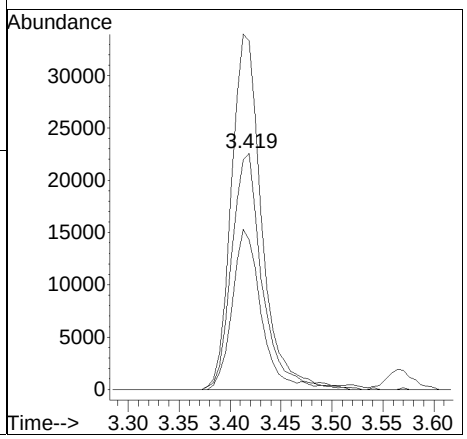


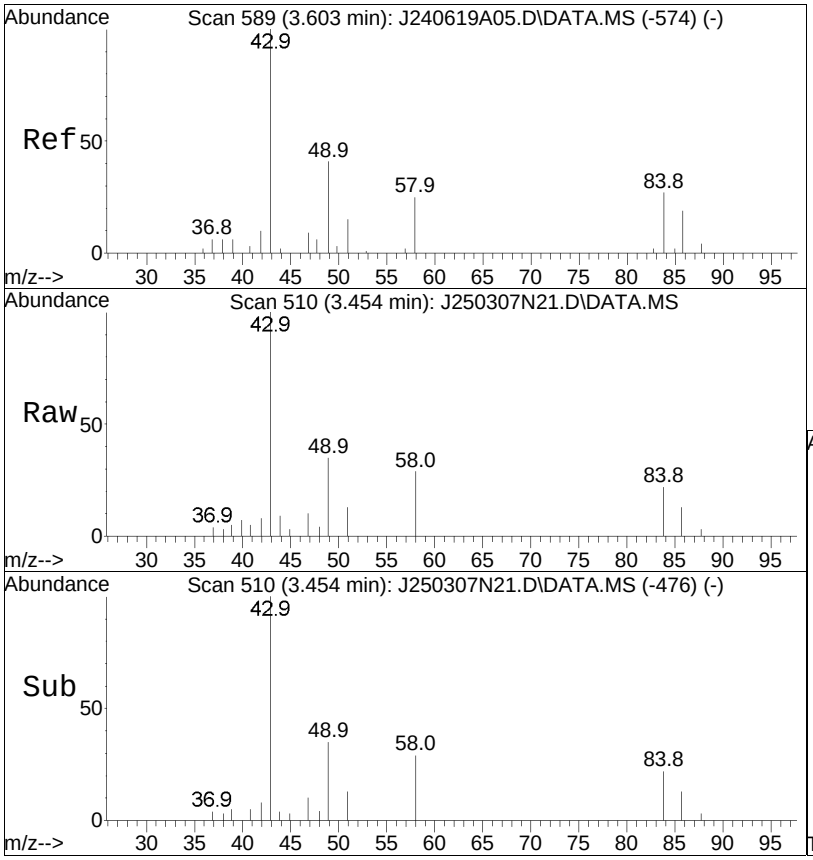


#15
Methylene chloride
Concen: 11.58 ug/L
RT: 3.419 min Scan# 504
Delta R.T. 0.006 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 84 Resp: 47147

Ion	Ratio	Lower	Upper
84	100		
86	64.8	41.7	86.5
49	149.2	103.9	215.9

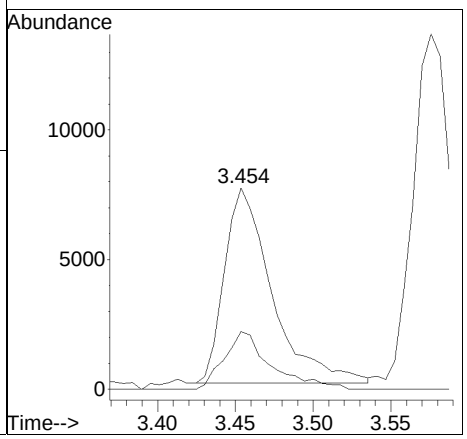


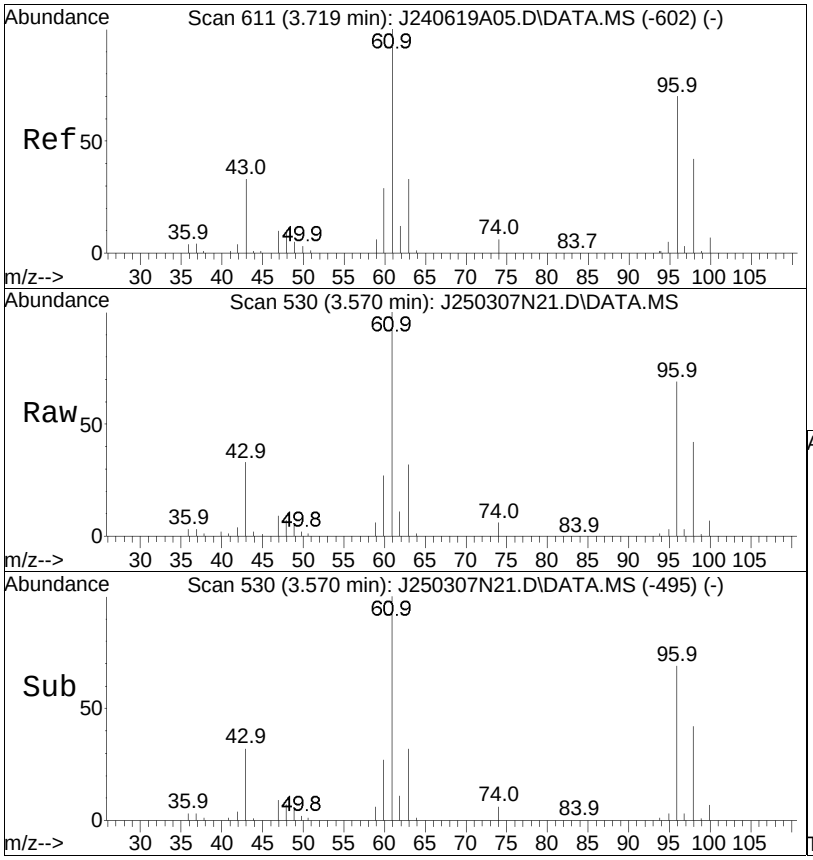


#17
Acetone
Concen: 12.68 ug/L
RT: 3.454 min Scan# 510
Delta R.T. -0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 43 Resp: 16085

Ion	Ratio	Lower	Upper
43	100		
58	29.2	20.1	30.1

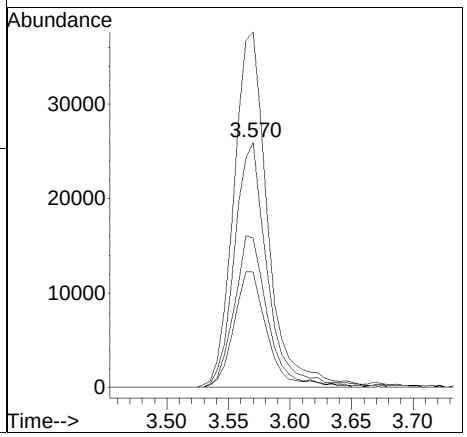


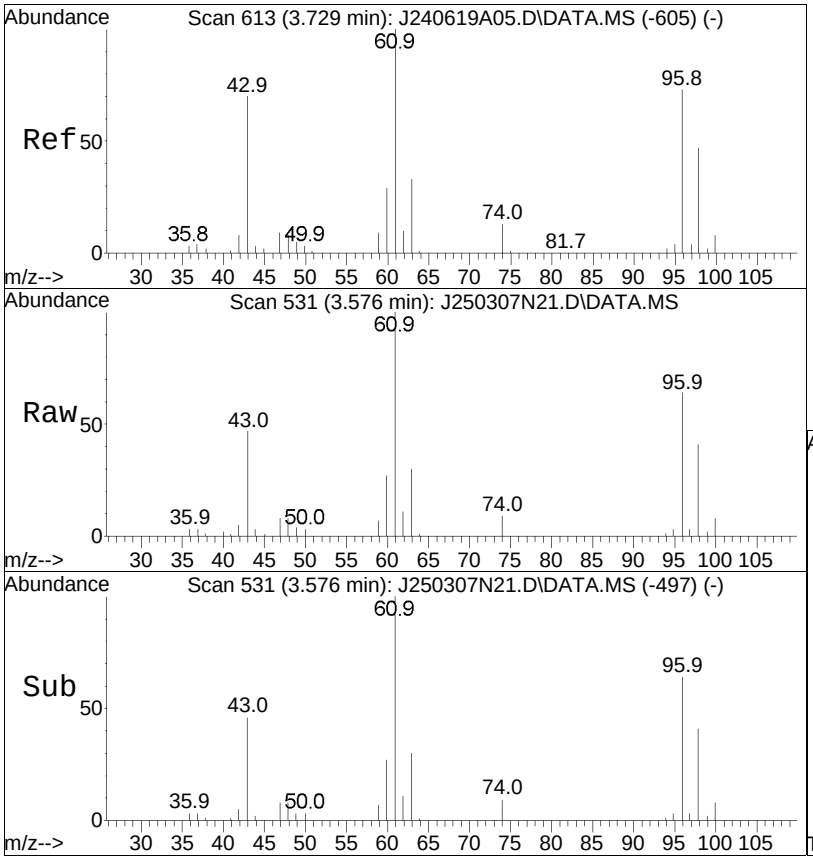


#18
trans-1,2-Dichloroethene
Concen: 11.92 ug/L
RT: 3.570 min Scan# 530
Delta R.T. 0.006 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 96 Resp: 48373

Ion	Ratio	Lower	Upper
96	100		
61	149.5	113.6	236.0
98	62.8	40.8	84.8
63	47.8	36.5	75.7

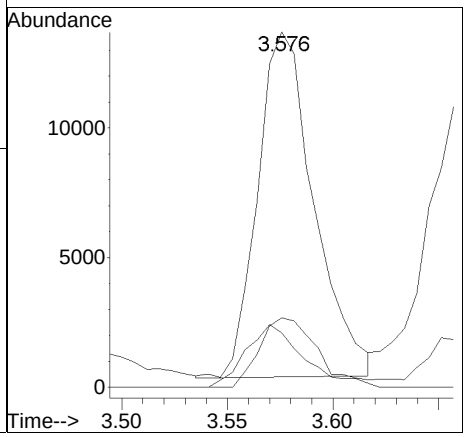


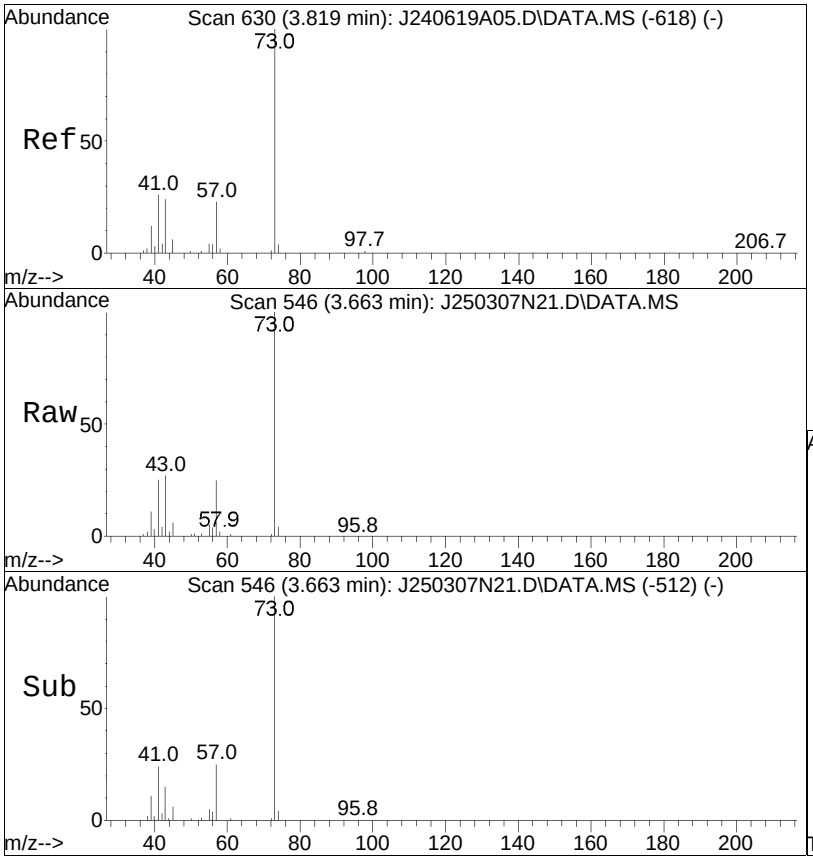


#19
Methyl acetate
Concen: 8.96 ug/L
RT: 3.576 min Scan# 531
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 43 Resp: 24690

Ion	Ratio	Lower	Upper
43	100		
74	21.2	14.6	22.0
59	18.7	9.3	13.9#

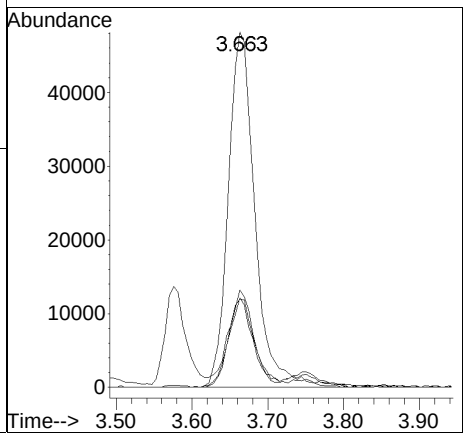


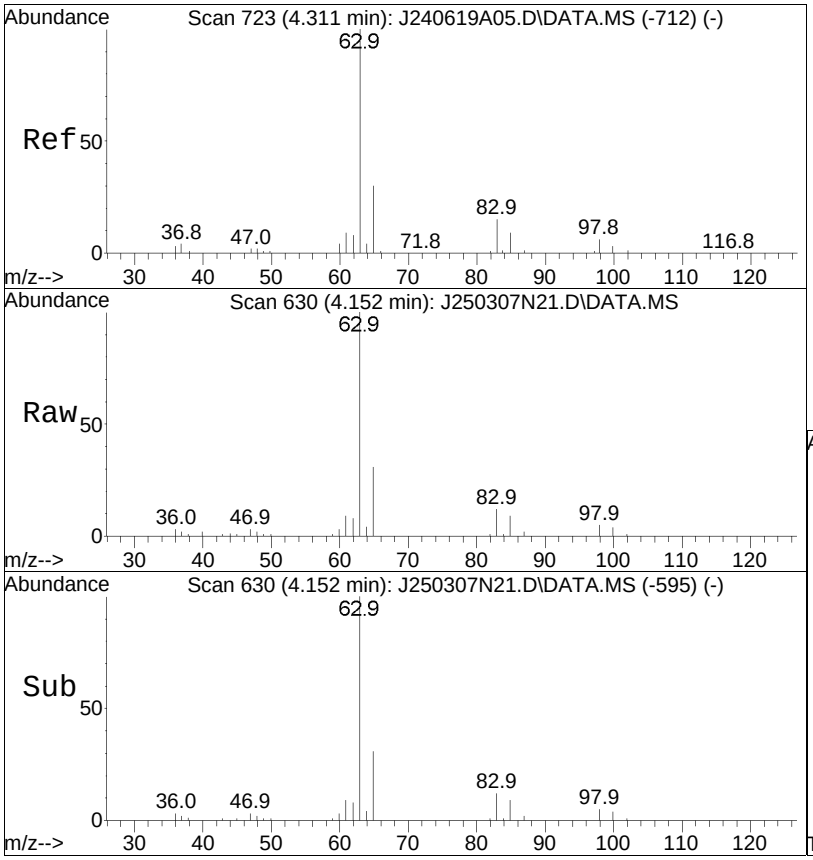


#21
Methyl tert-butyl ether
Concen: 10.62 ug/L
RT: 3.663 min Scan# 546
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 73 Resp: 119233

Ion	Ratio	Lower	Upper
73	100		
57	22.6	15.5	32.1
43	24.9	16.6	34.6
41	24.8	17.2	35.6

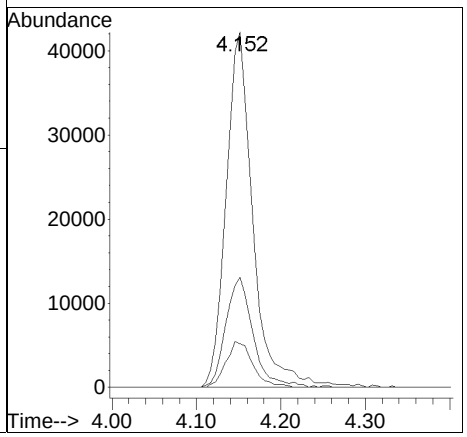


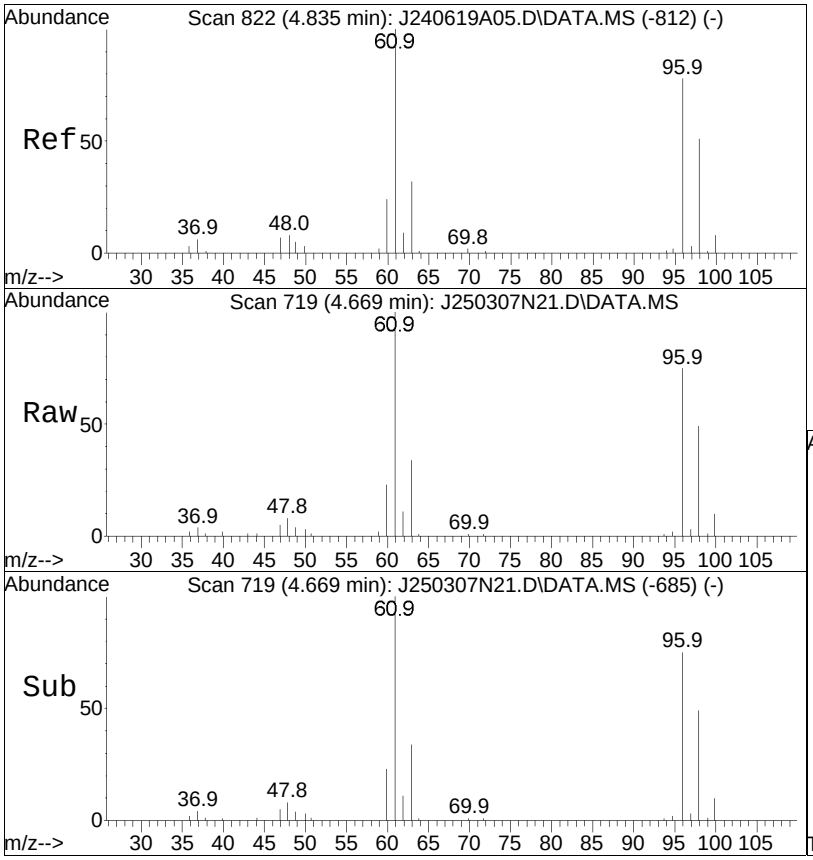


#25
1,1-Dichloroethane
Concen: 11.57 ug/L
RT: 4.152 min Scan# 630
Delta R.T. 0.006 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 63 Resp: 93653

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.5	36.7
83	13.0	8.9	13.3

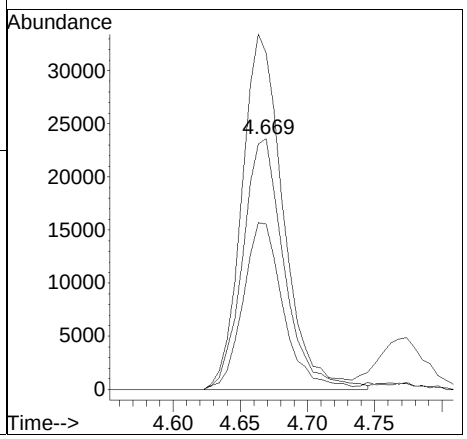


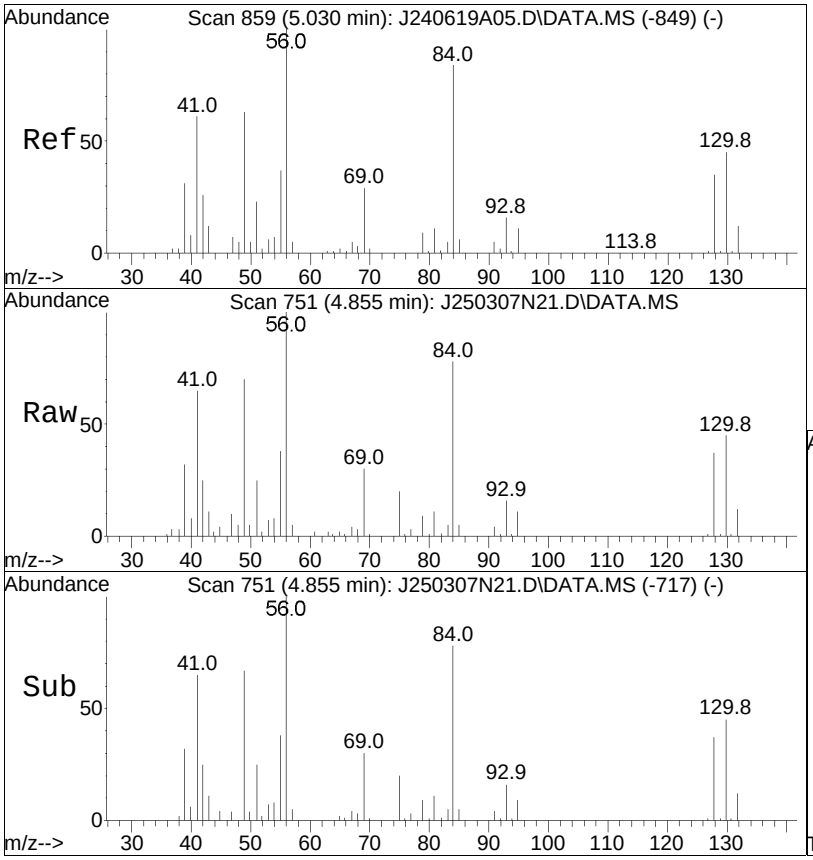


#30
cis-1,2-Dichloroethene
Concen: 11.33 ug/L
RT: 4.669 min Scan# 719
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 96 Resp: 50756

Ion	Ratio	Lower	Upper
96	100		
61	140.7	129.3	193.9
98	64.5	51.4	77.2

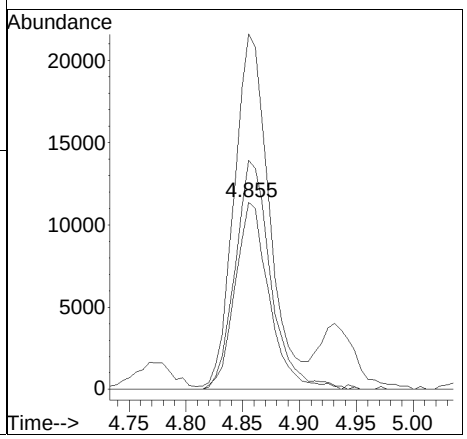


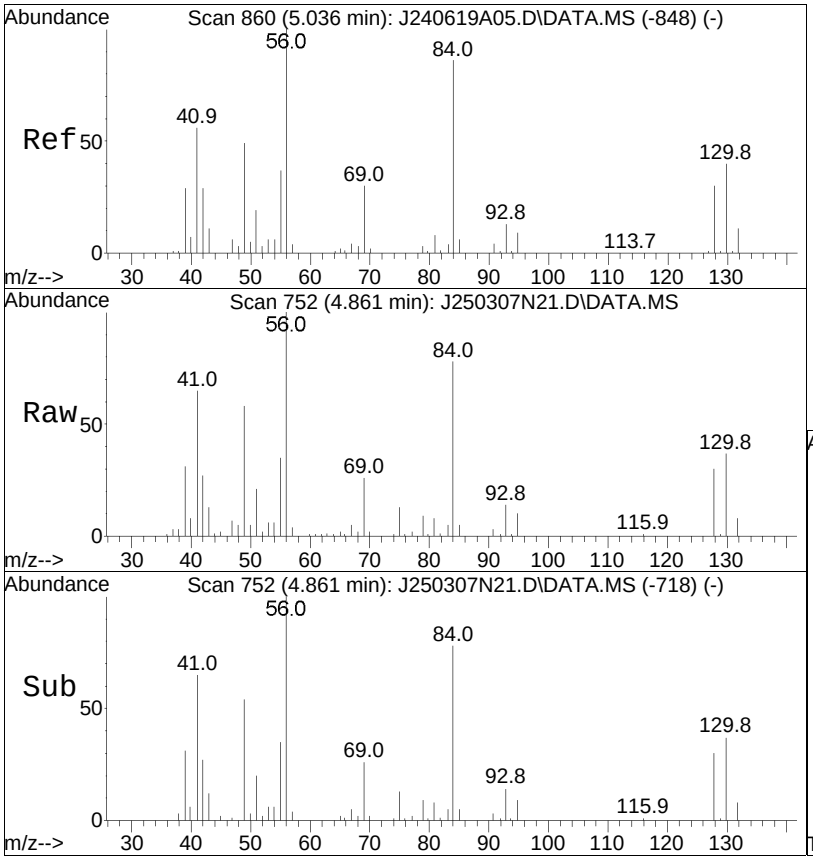


#33
Bromochloromethane
Concen: 11.91 ug/L
RT: 4.855 min Scan# 751
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:128 Resp: 23896

Ion	Ratio	Lower	Upper
128	100		
49	193.4	214.8	322.2#
130	126.5	105.4	158.2

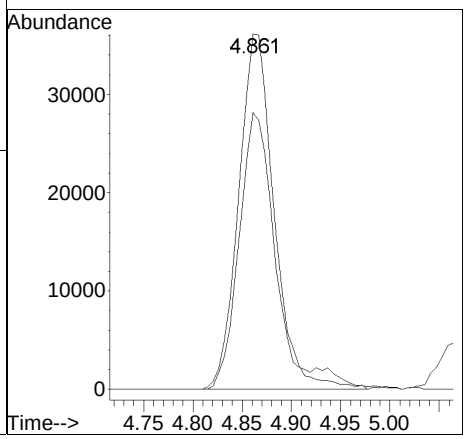


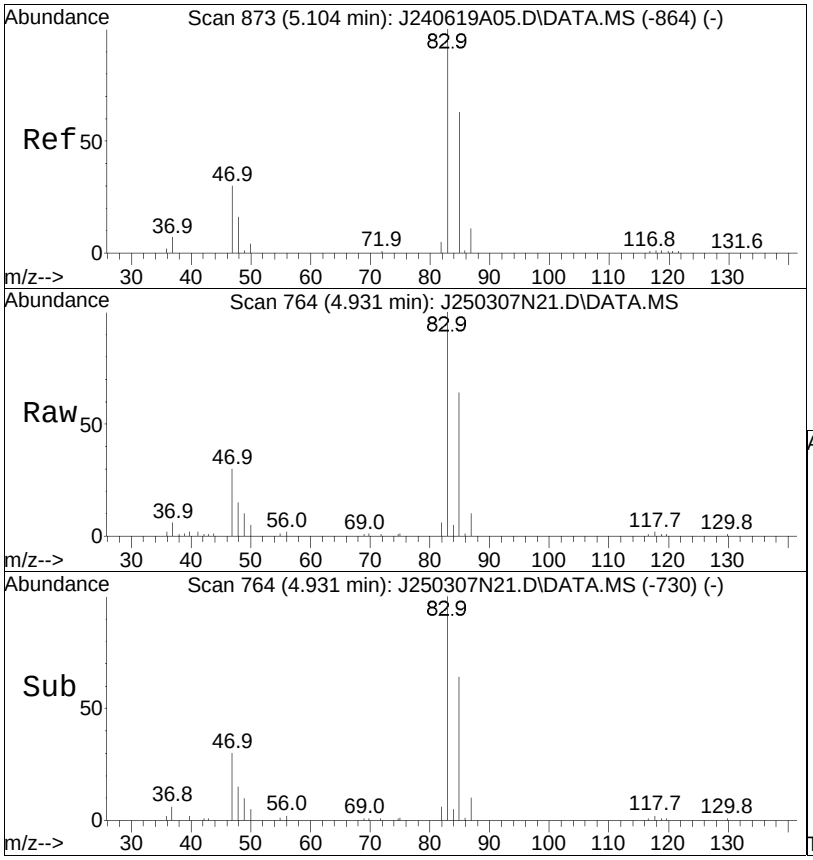


#34
Cyclohexane
Concen: 10.82 ug/L
RT: 4.861 min Scan# 752
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 56 Resp: 90805

Ion	Ratio	Lower	Upper
56	100		
84	76.6	49.9	103.5

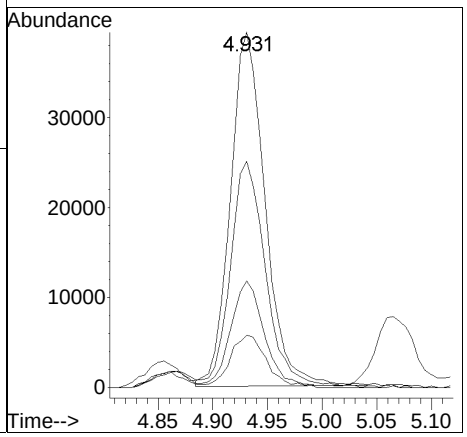


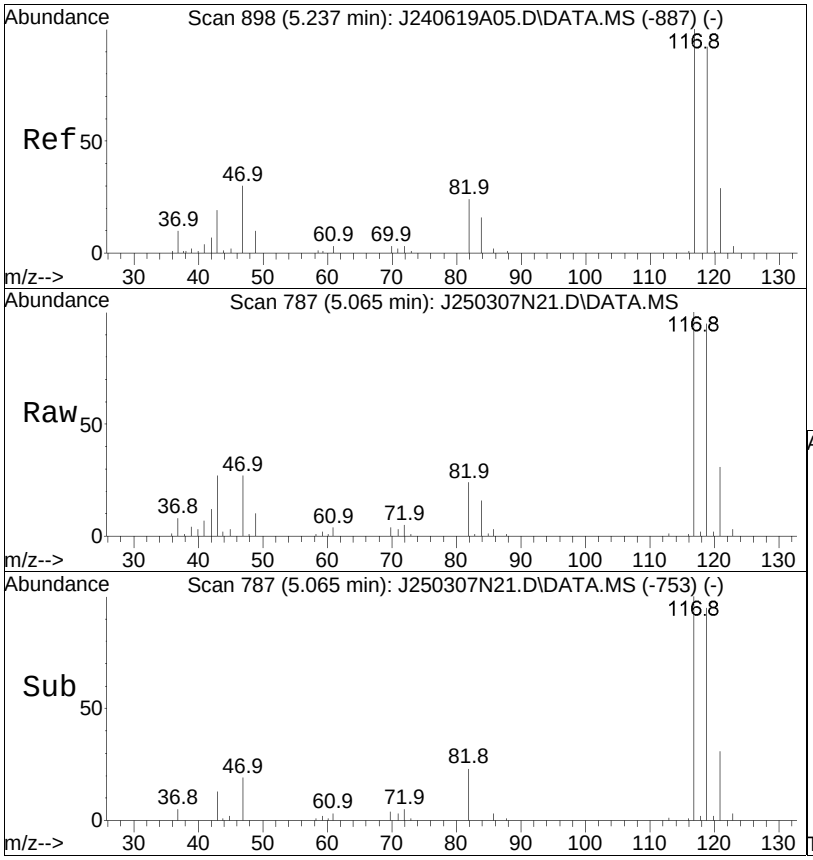


#35
Chloroform
Concen: 11.42 ug/L
RT: 4.931 min Scan# 764
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 83 Resp: 86891

Ion	Ratio	Lower	Upper
83	100		
85	65.3	41.4	86.0
47	28.0	20.5	42.5
48	15.5	9.9	20.5

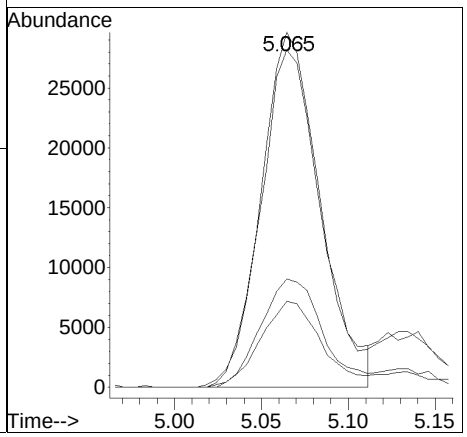


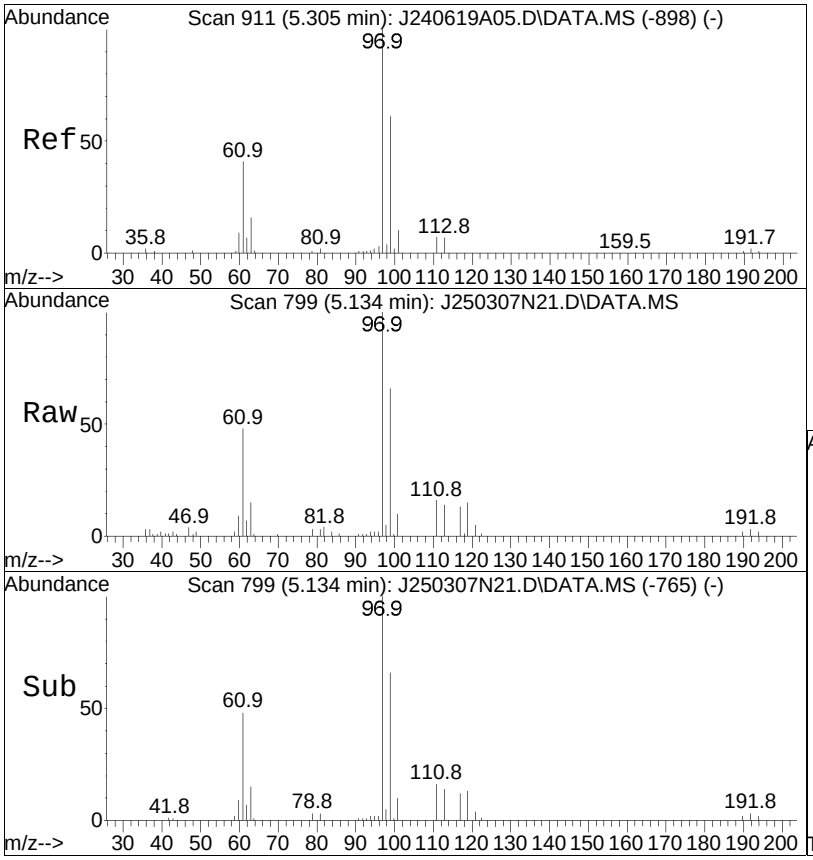


#37
Carbon tetrachloride
Concen: 11.73 ug/L
RT: 5.065 min Scan# 787
Delta R.T. -0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:117 Resp: 70141

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.0	128.8
121	32.3	19.6	40.6
82	25.1	18.8	39.0

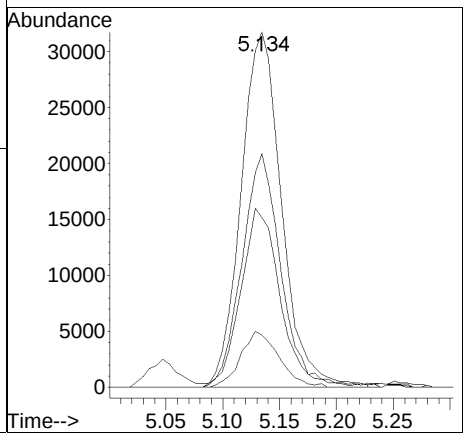


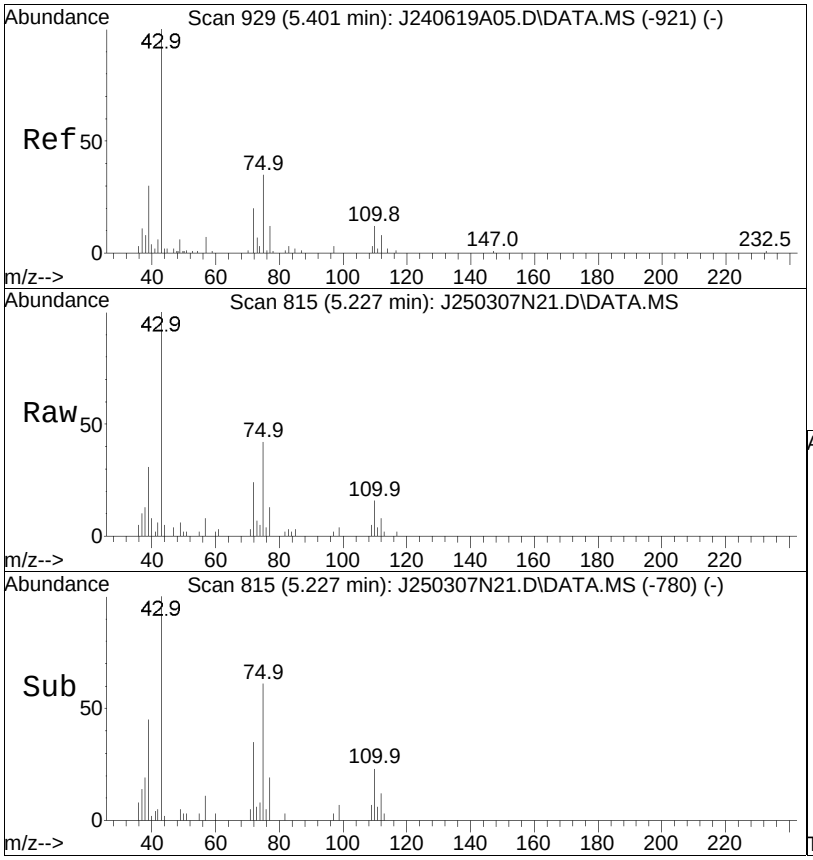


#40
1,1,1-Trichloroethane
Concen: 11.75 ug/L
RT: 5.134 min Scan# 799
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 97 Resp: 79033

Ion	Ratio	Lower	Upper
97	100		
99	63.4	40.6	84.4
61	48.9	35.0	72.8
63	15.0	11.1	23.0

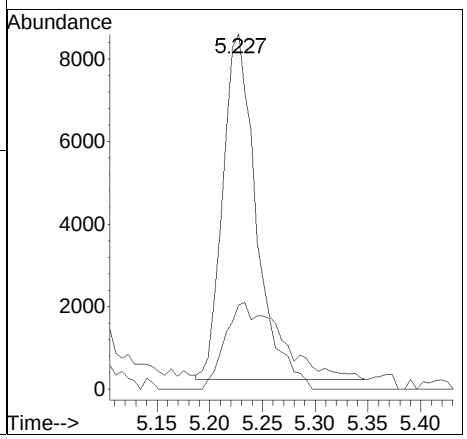


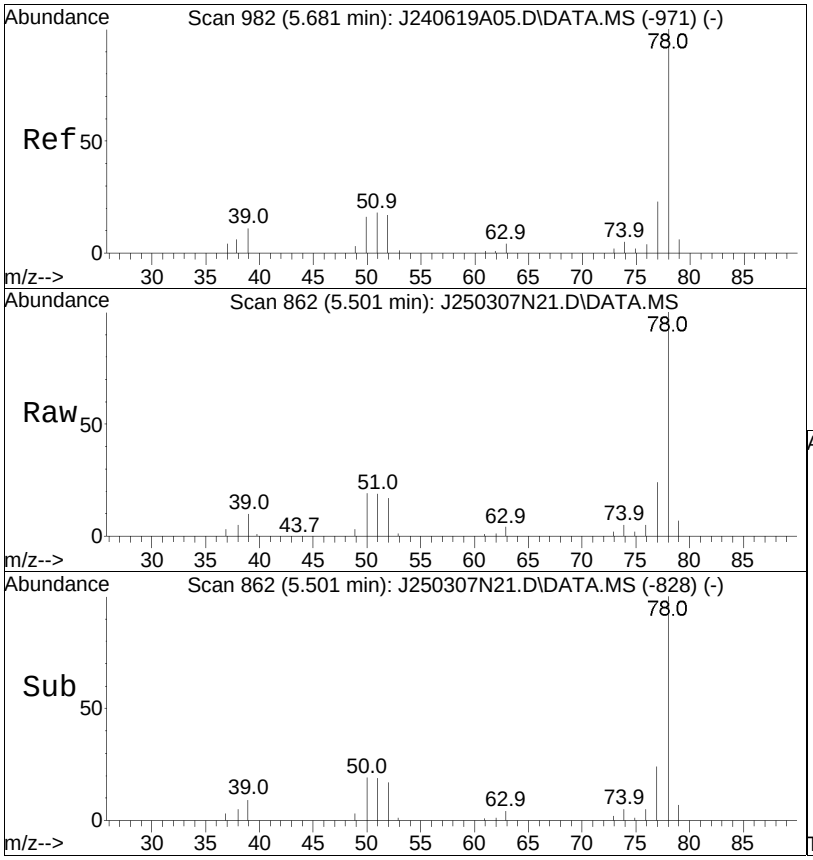


#42
2-Butanone
Concen: 9.70 ug/L
RT: 5.227 min Scan# 815
Delta R.T. 0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 43 Resp: 19258

Ion	Ratio	Lower	Upper
43	100		
72	35.3	18.2	27.4#

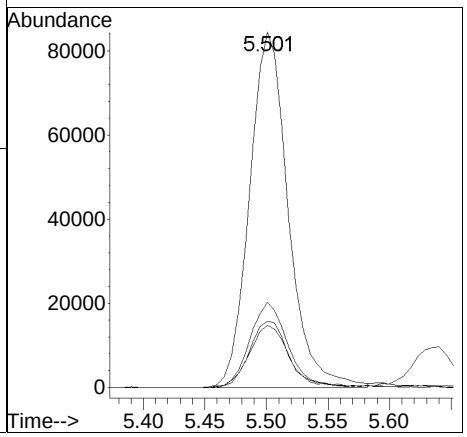


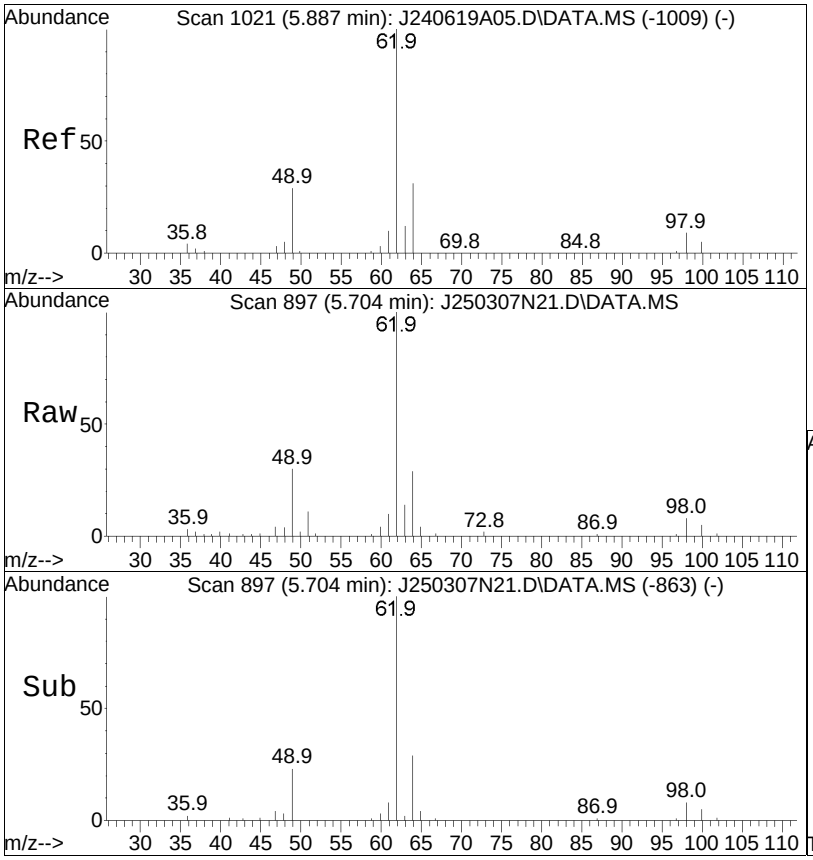


#45
Benzene
Concen: 11.10 ug/L
RT: 5.501 min Scan# 862
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 78 Resp: 184698

Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.6	32.4
51	18.9	12.9	26.7
52	17.7	12.4	25.7

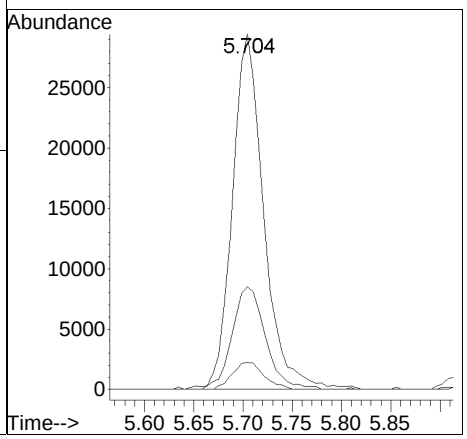


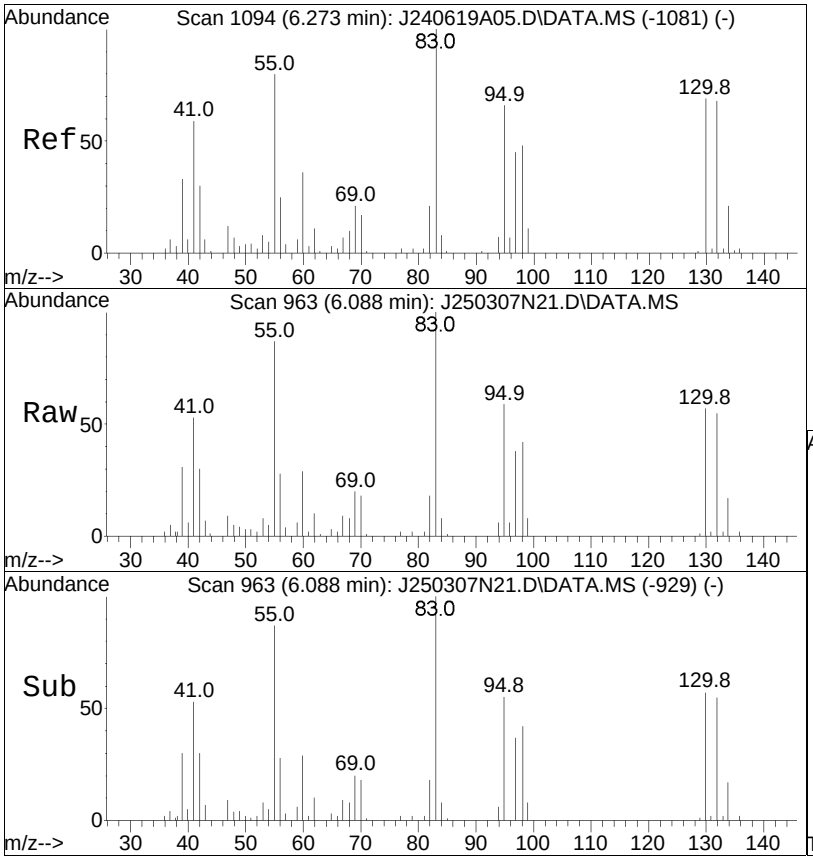


#48
1,2-Dichloroethane
Concen: 11.14 ug/L
RT: 5.704 min Scan# 897
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 62 Resp: 65115

Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.5	38.3
98	7.8	5.5	8.3

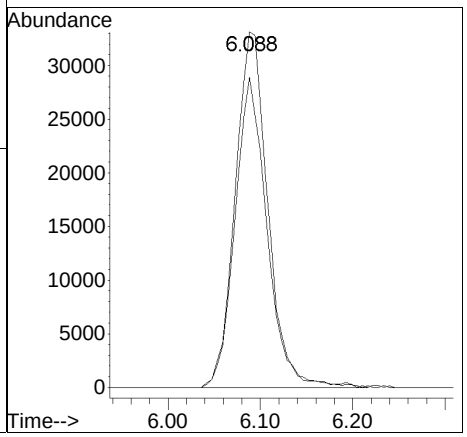


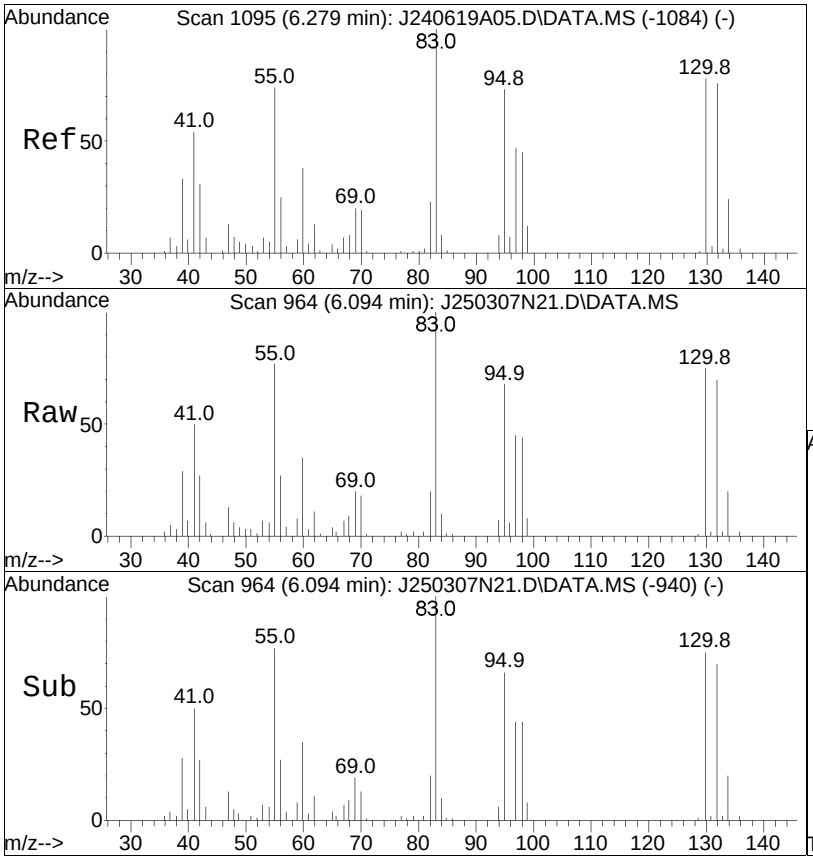


#51
Methyl cyclohexane
Concen: 10.51 ug/L
RT: 6.088 min Scan# 963
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 83 Resp: 81349

Ion	Ratio	Lower	Upper
83	100		
55	85.4	74.6	112.0

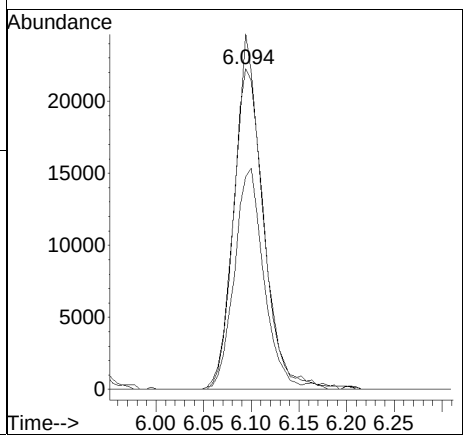


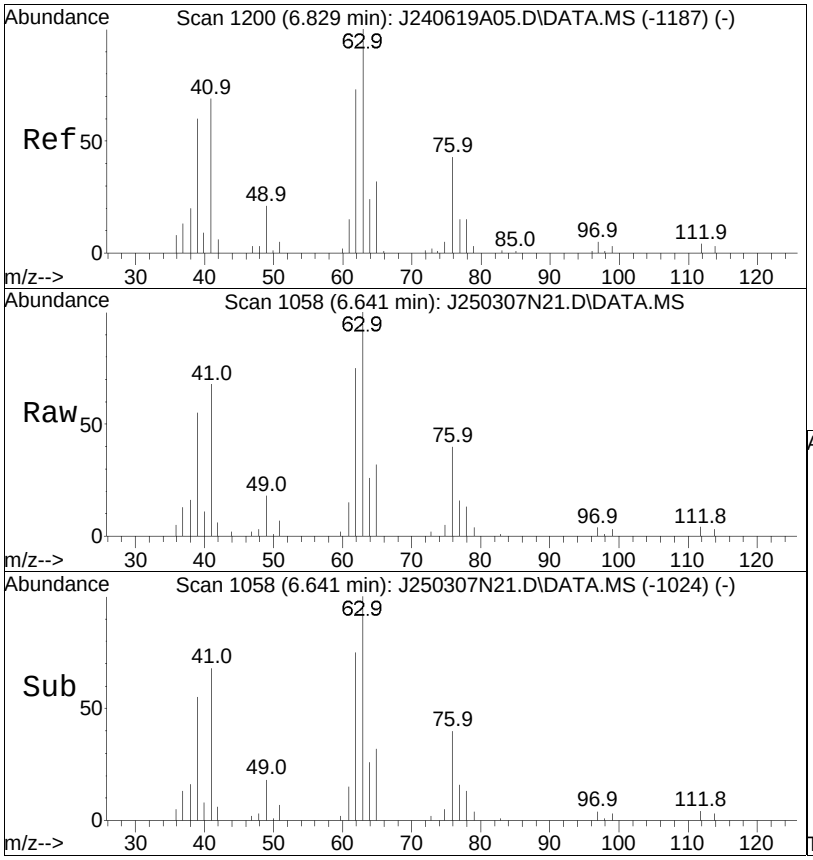


#52
Trichloroethene
Concen: 11.27 ug/L
RT: 6.094 min Scan# 964
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 95 Resp: 50354

Ion	Ratio	Lower	Upper
95	100		
97	65.5	53.8	80.6
130	100.7	71.4	107.0

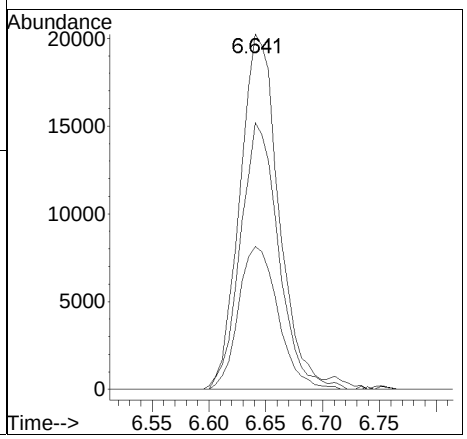


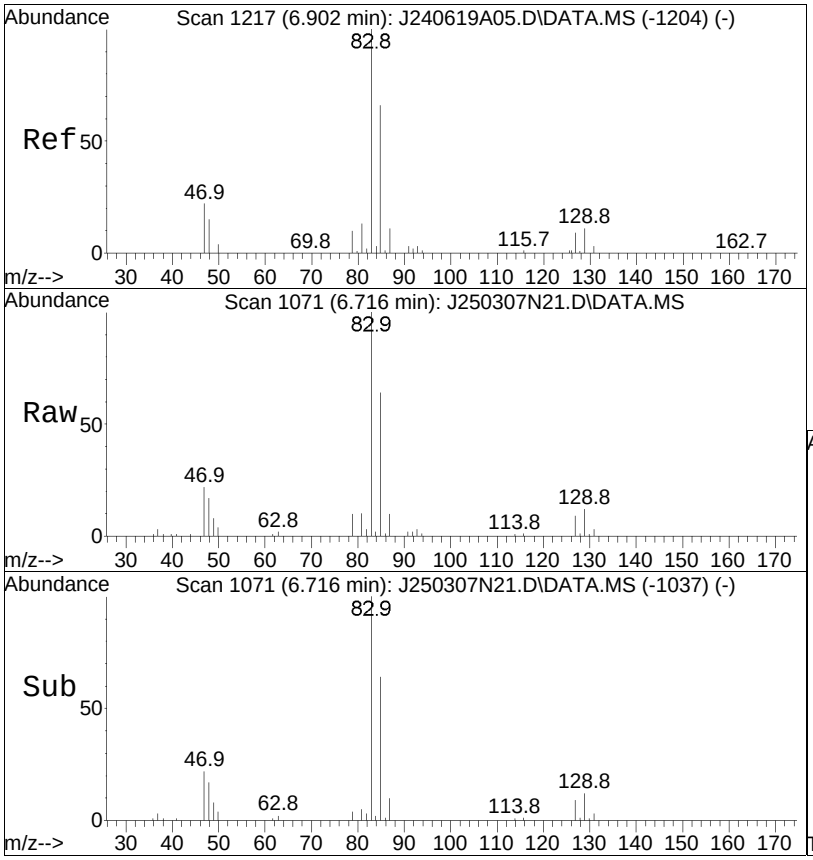


#55
1,2-Dichloropropane
Concen: 11.35 ug/L
RT: 6.641 min Scan# 1058
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 63 Resp: 48926

Ion	Ratio	Lower	Upper
63	100		
62	72.7	58.1	87.1
76	40.4	30.4	45.6

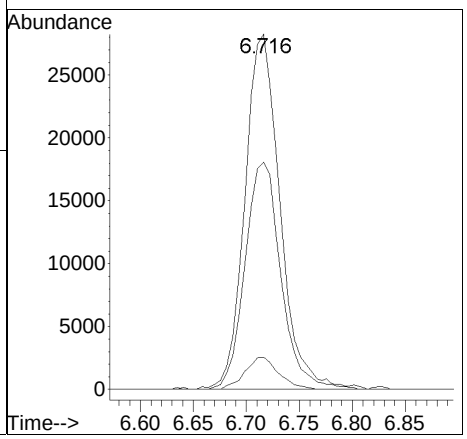


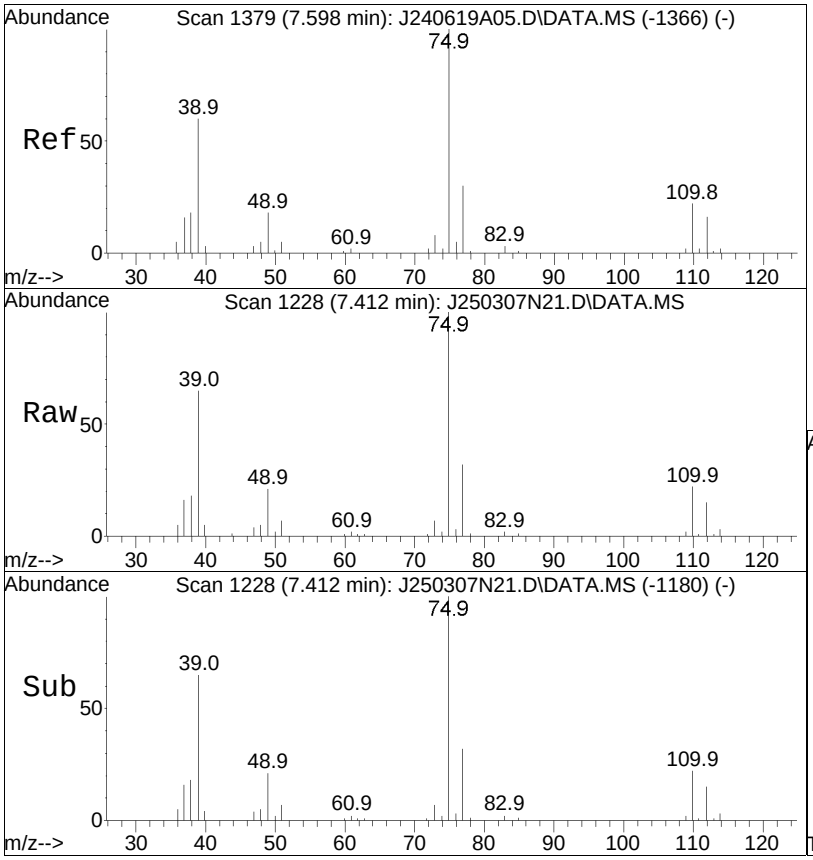


#58
Bromodichloromethane
Concen: 10.99 ug/L
RT: 6.716 min Scan# 1071
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 83 Resp: 62206

Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.2	75.2
127	9.8	5.2	7.8#

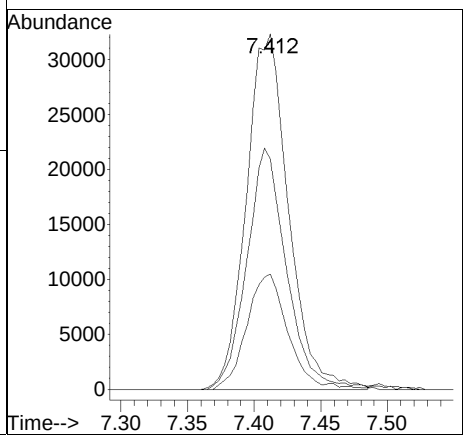


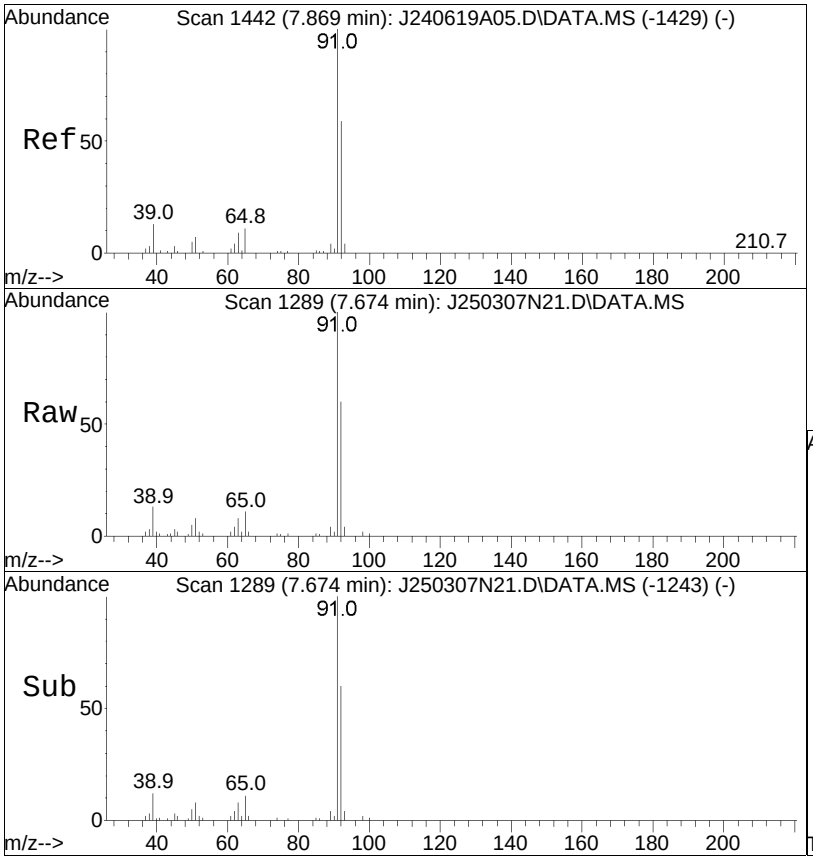


#62
cis-1,3-Dichloropropene
Concen: 10.58 ug/L
RT: 7.412 min Scan# 1228
Delta R.T. 0.004 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 75 Resp: 71242

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	64.2	54.6	82.0

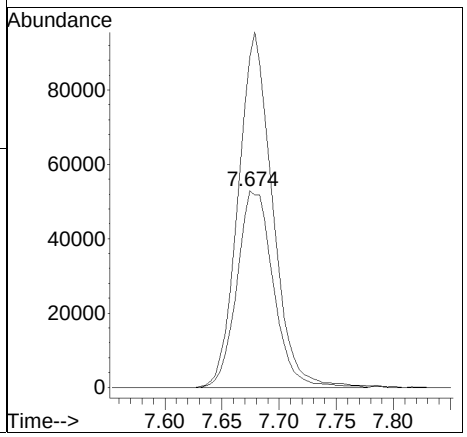


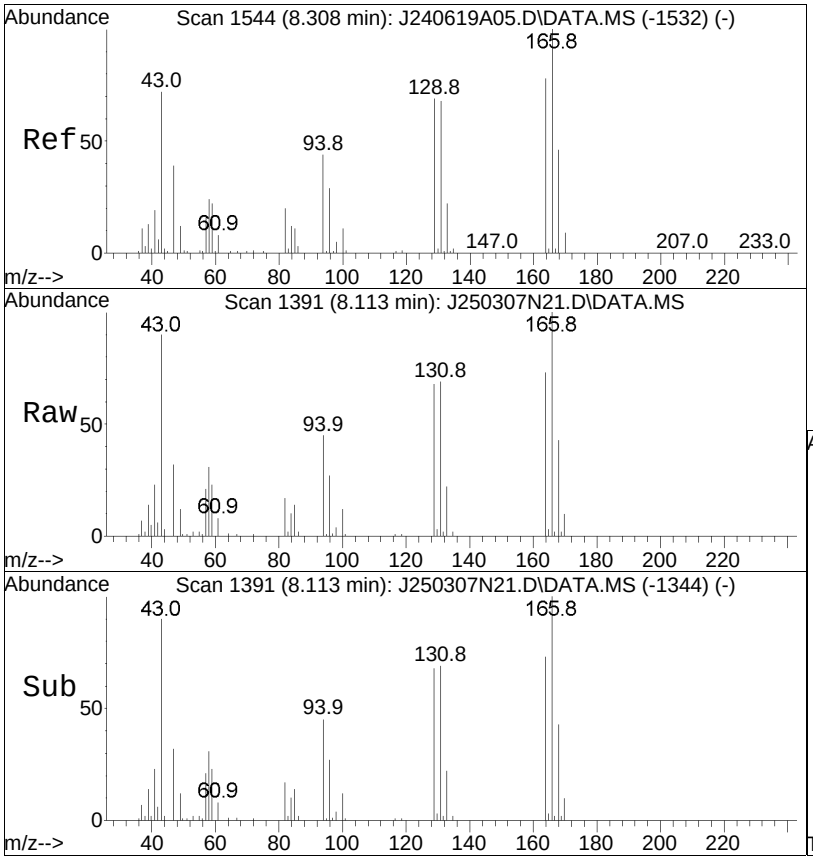


#65
Toluene
Concen: 10.66 ug/L
RT: 7.674 min Scan# 1289
Delta R.T. -0.004 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 92 Resp: 117017

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.5	206.3

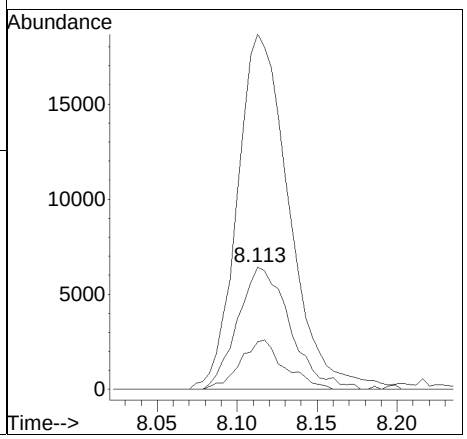


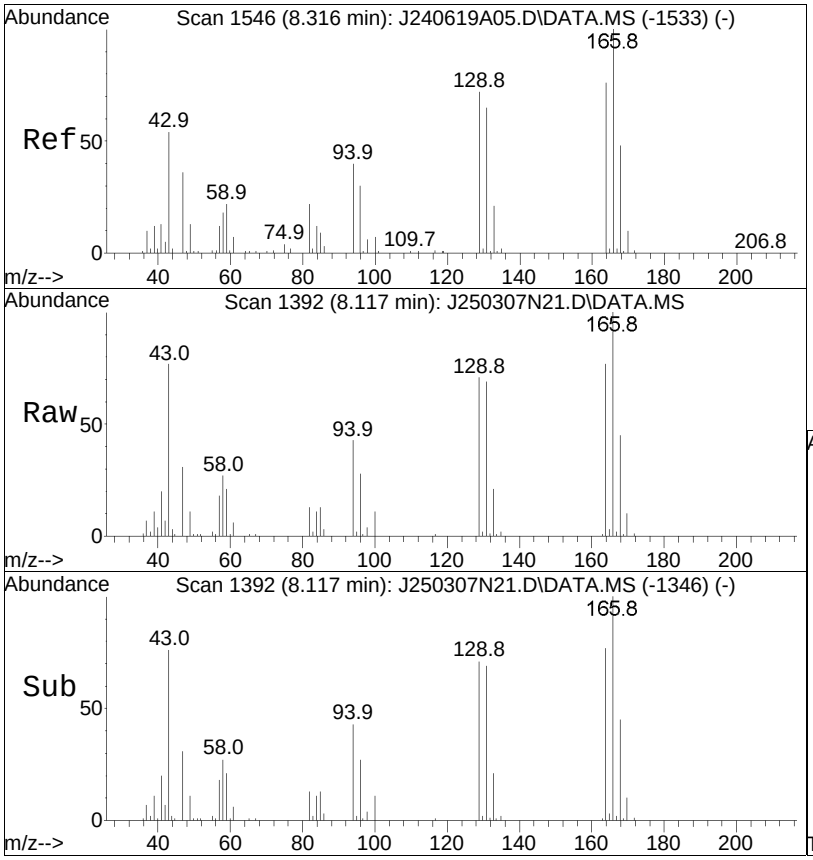


#66
4-Methyl-2-pentanone
Concen: 9.41 ug/L
RT: 8.113 min Scan# 1391
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 58 Resp: 14619

Ion	Ratio	Lower	Upper
58	100		
100	34.4	22.6	34.0#
43	288.5	234.6	351.8

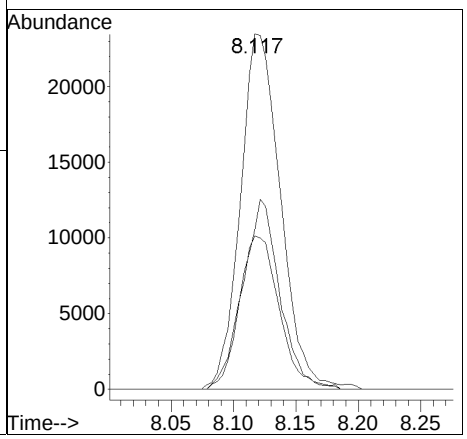


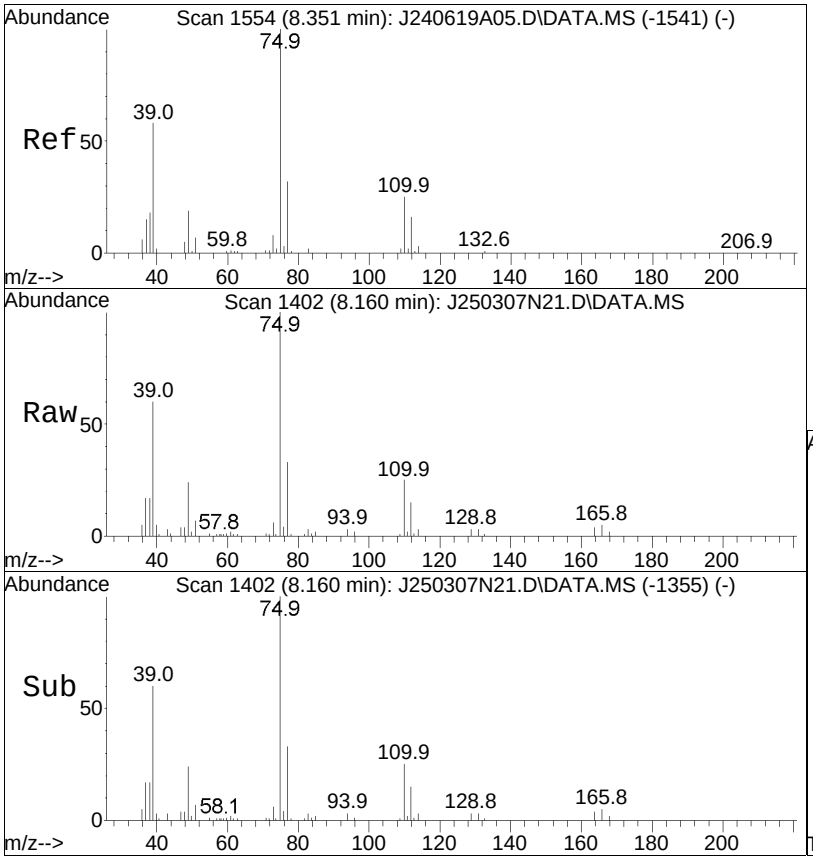


#67
Tetrachloroethene
Concen: 10.30 ug/L
RT: 8.117 min Scan# 1392
Delta R.T. -0.004 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:166 Resp: 52721

Ion	Ratio	Lower	Upper
166	100		
168	49.0	38.6	58.0
94	43.5	42.6	63.8

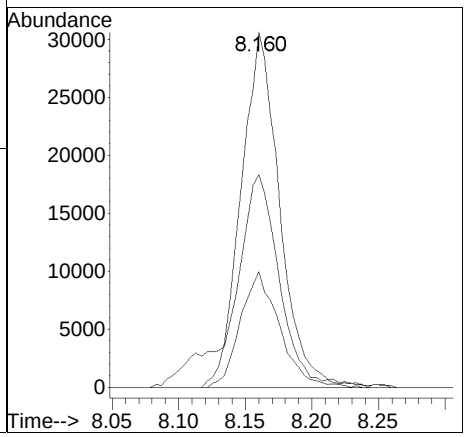


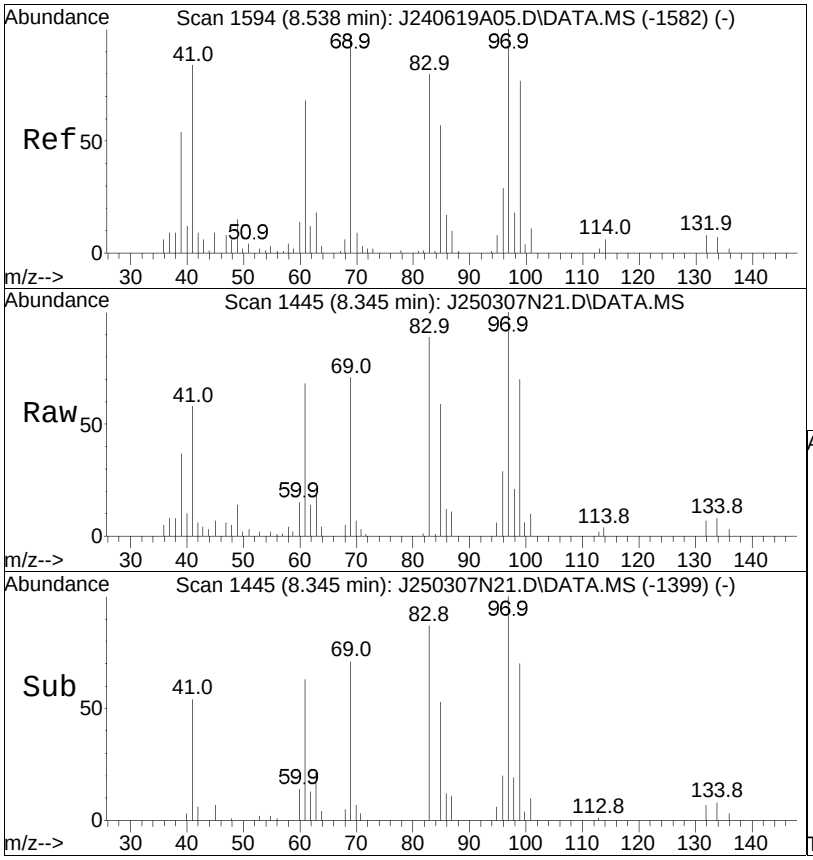


#69
trans-1,3-Dichloropropene
Concen: 10.06 ug/L
RT: 8.160 min Scan# 1402
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 75 Resp: 61914

Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.6	38.4
39	71.0	60.2	90.4

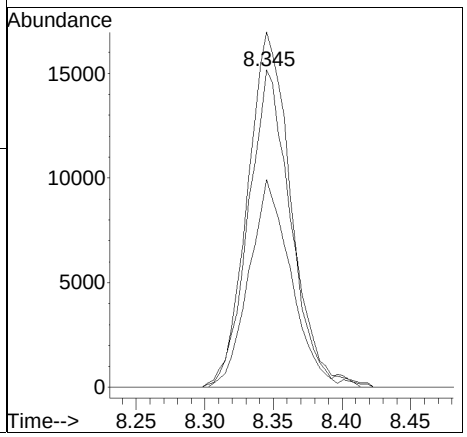


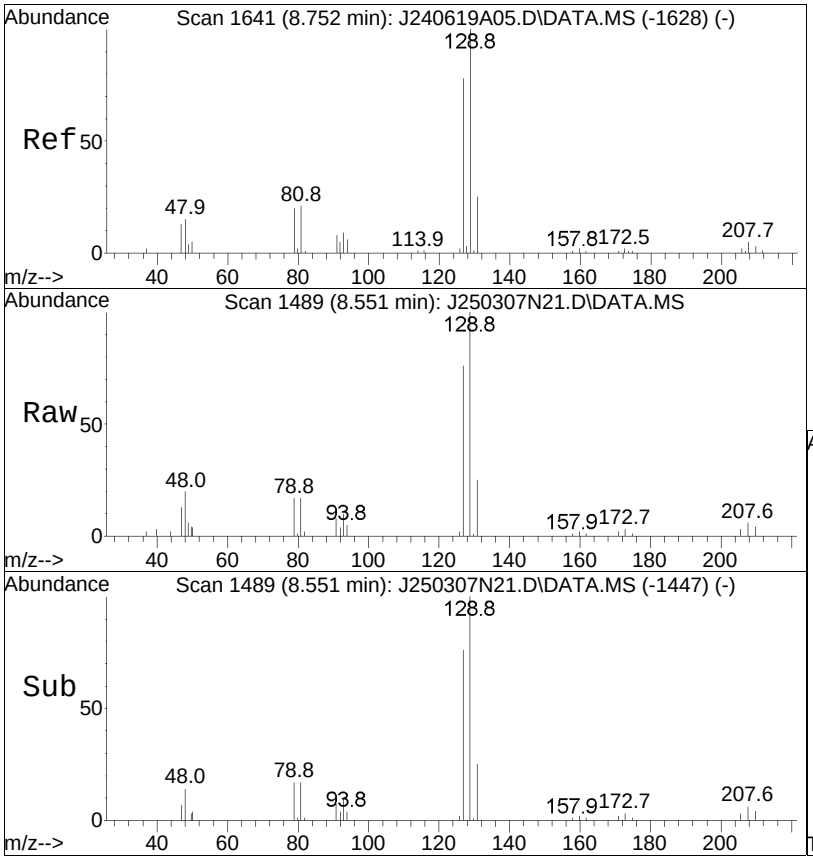


#72
1,1,2-Trichloroethane
Concen: 10.73 ug/L
RT: 8.345 min Scan# 1445
Delta R.T. -0.004 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 83 Resp: 35008

Ion	Ratio	Lower	Upper
83	100		
97	115.9	87.7	131.5
85	65.7	53.1	79.7

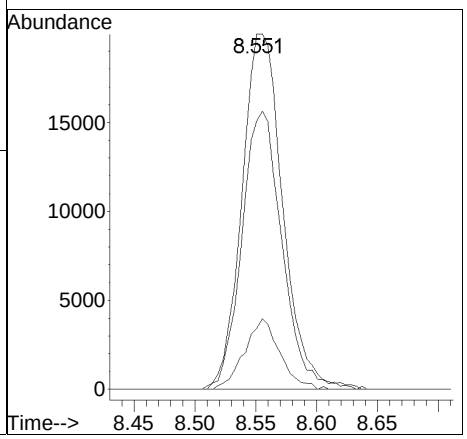


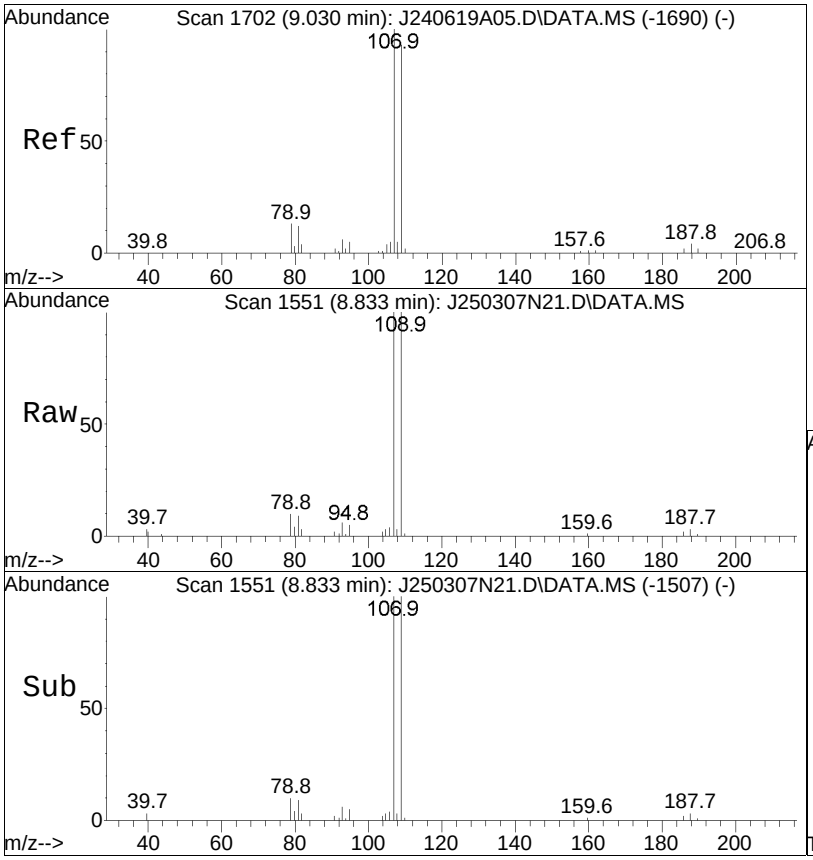


#73
Chlorodibromomethane
Concen: 10.29 ug/L
RT: 8.551 min Scan# 1489
Delta R.T. -0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:129 Resp: 46764

Ion	Ratio	Lower	Upper
129	100		
81	17.3	14.6	22.0
127	76.8	62.6	93.8

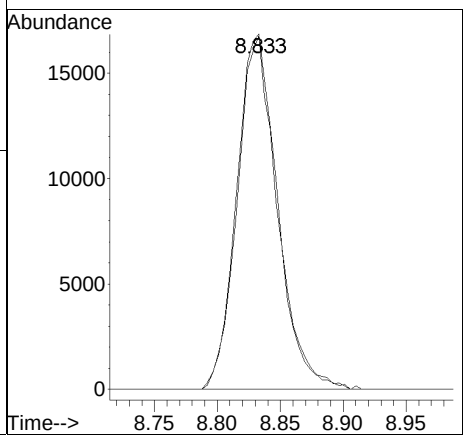


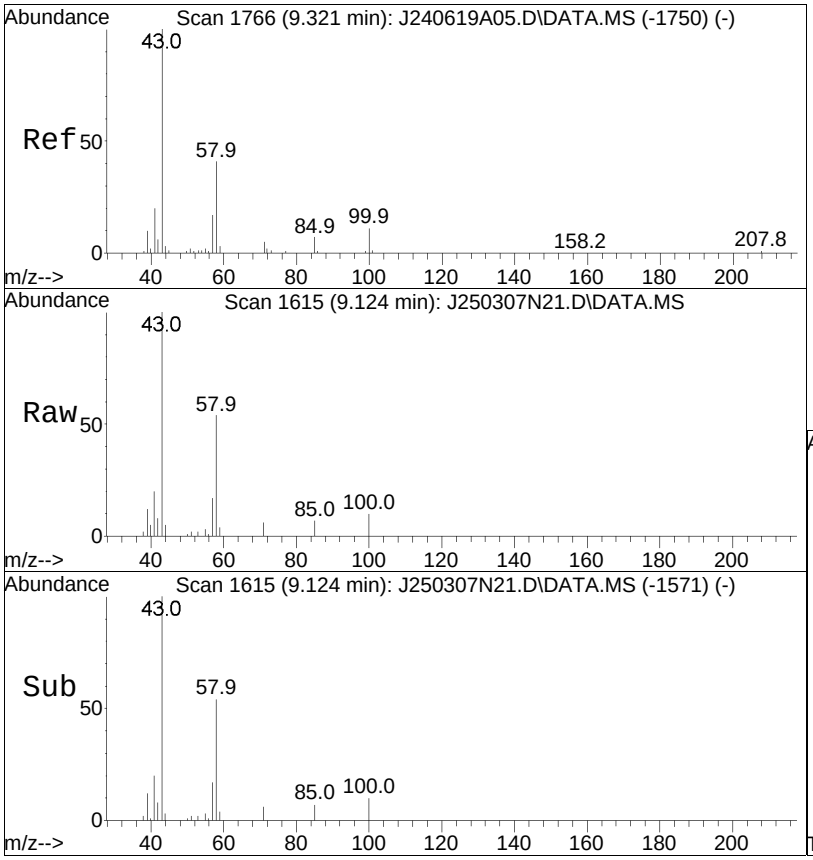


#75
1,2-Dibromoethane
Concen: 10.48 ug/L
RT: 8.833 min Scan# 1551
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:107 Resp: 38422

Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

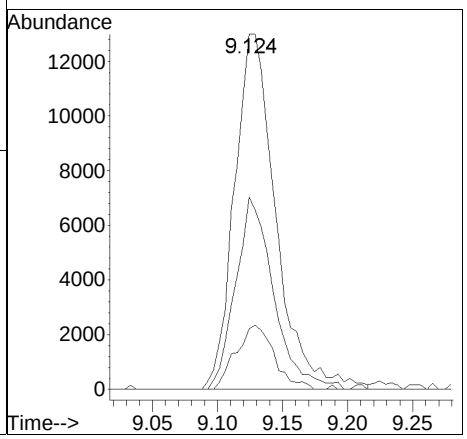


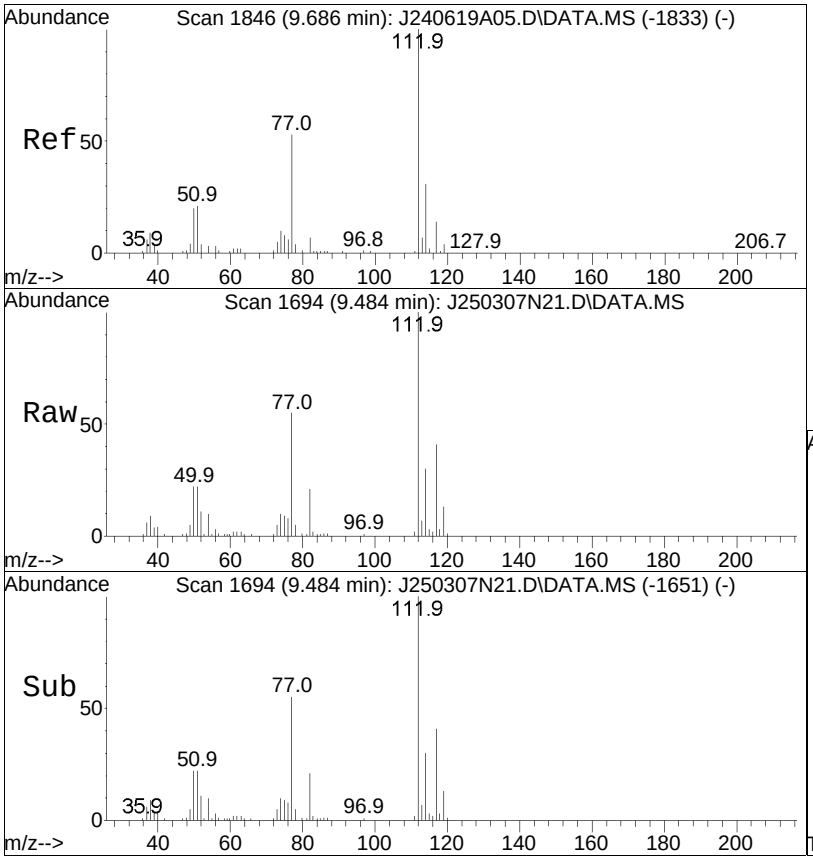


#77
2-Hexanone
Concen: 9.07 ug/L
RT: 9.124 min Scan# 1615
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 43 Resp: 28801

Ion	Ratio	Lower	Upper
43	100		
58	49.8	38.6	58.0
57	16.7	14.1	21.1

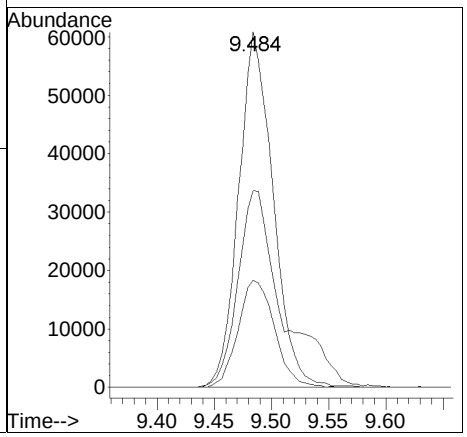


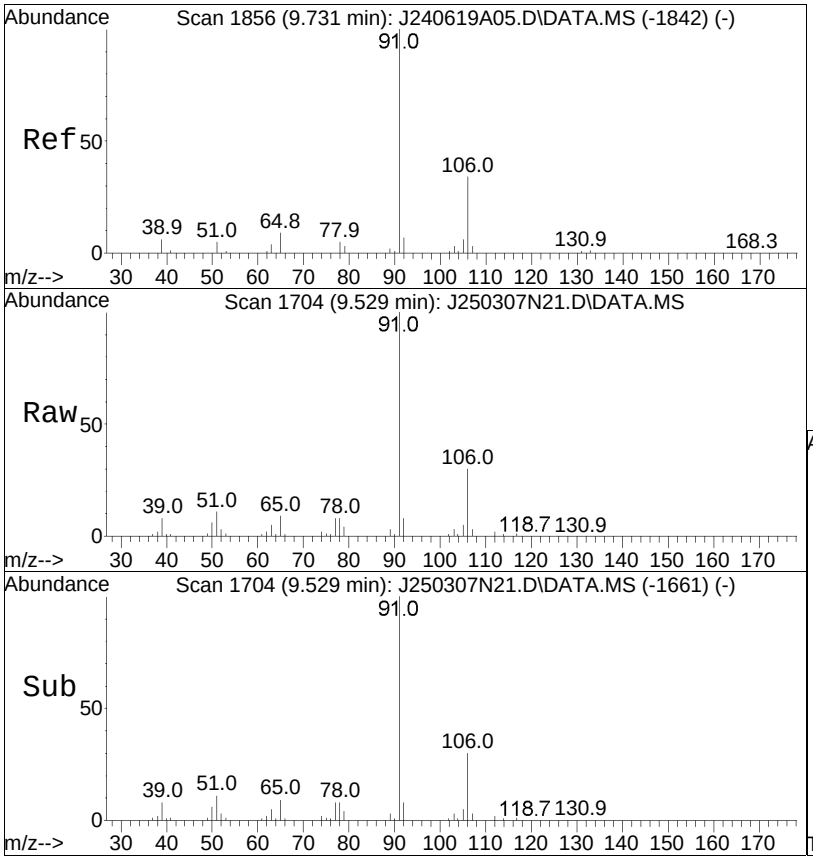


#78
Chlorobenzene
Concen: 10.52 ug/L
RT: 9.484 min Scan# 1694
Delta R.T. -0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:112 Resp: 127333

Ion	Ratio	Lower	Upper
112	100		
77	71.7	54.8	82.2
114	32.0	25.4	38.0

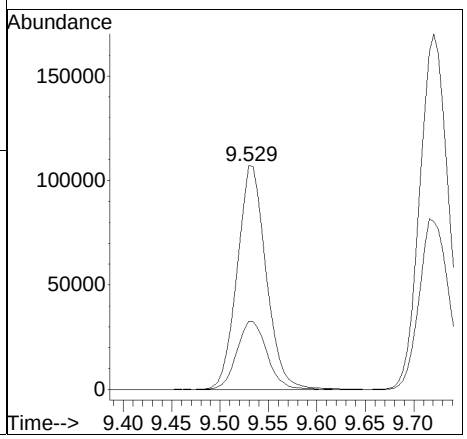


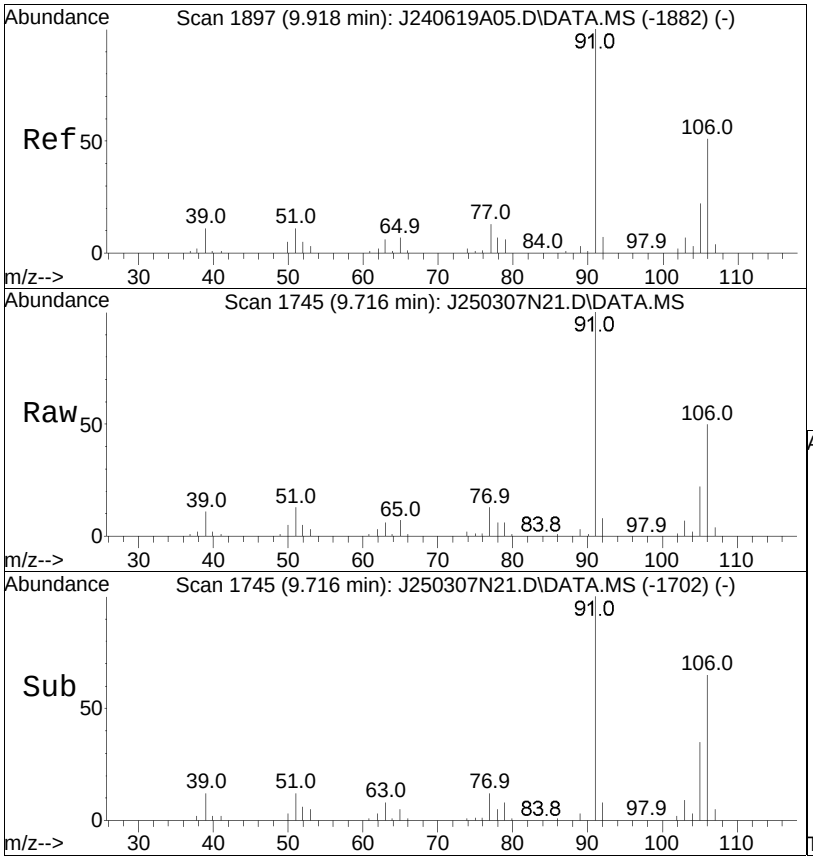


#79
Ethylbenzene
Concen: 10.25 ug/L
RT: 9.529 min Scan# 1704
Delta R.T. -0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 91 Resp: 223323

Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.4	35.2

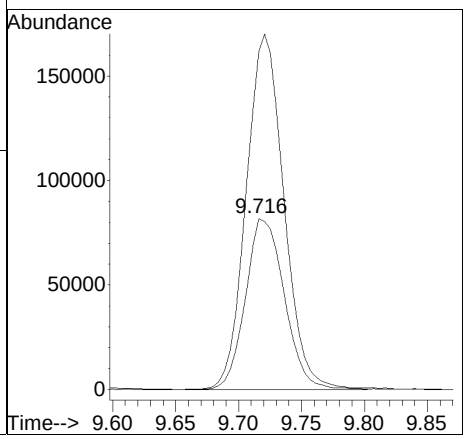


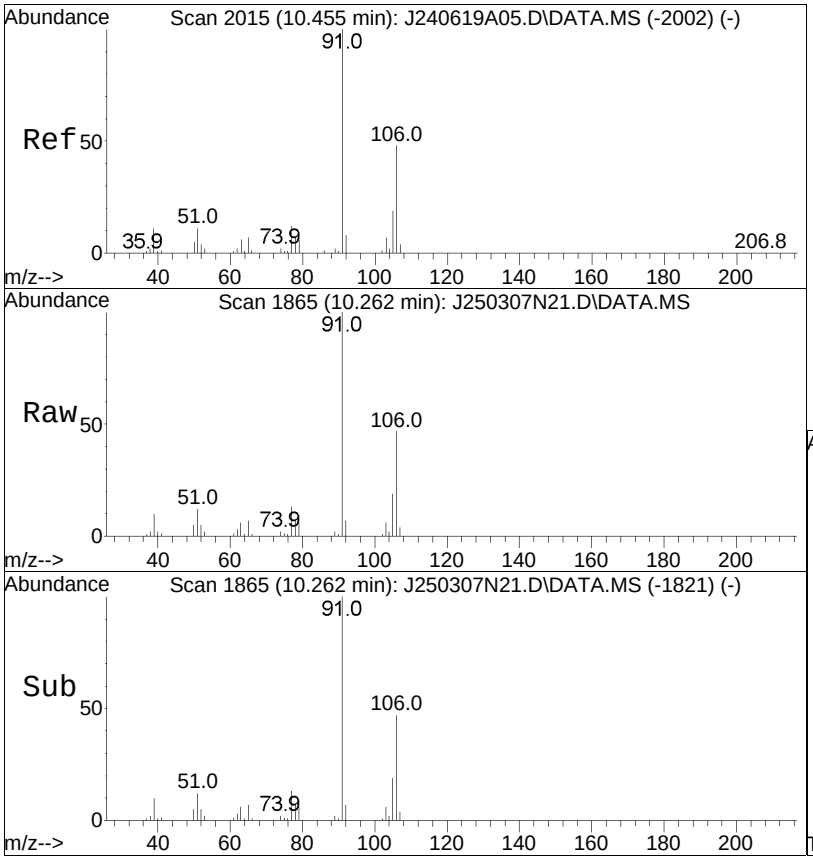


#81
p/m Xylene
Concen: 20.59 ug/L
RT: 9.716 min Scan# 1745
Delta R.T. -0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:106 Resp: 175532

Ion	Ratio	Lower	Upper
106	100		
91	202.3	171.4	257.2

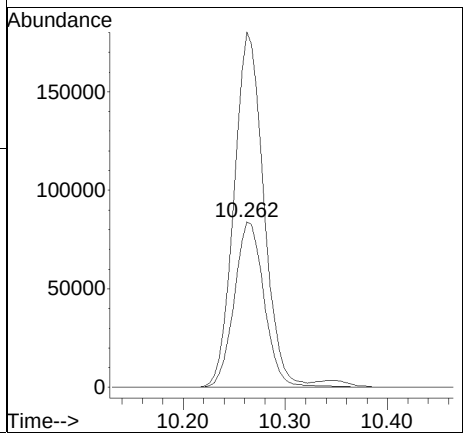


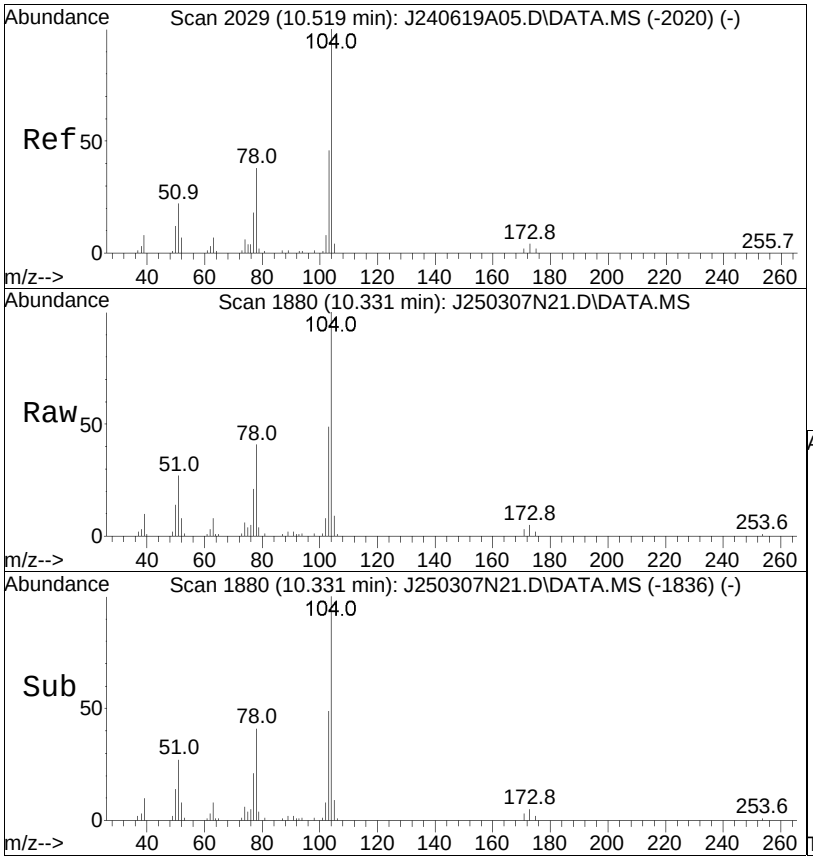


#82
o Xylene
Concen: 20.97 ug/L
RT: 10.262 min Scan# 1865
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:106 Resp: 171701

Ion	Ratio	Lower	Upper
106	100		
91	211.4	179.2	268.8

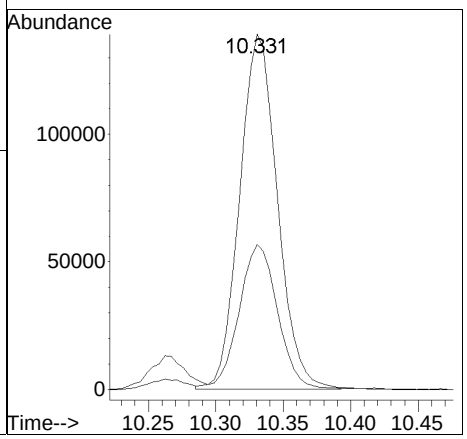


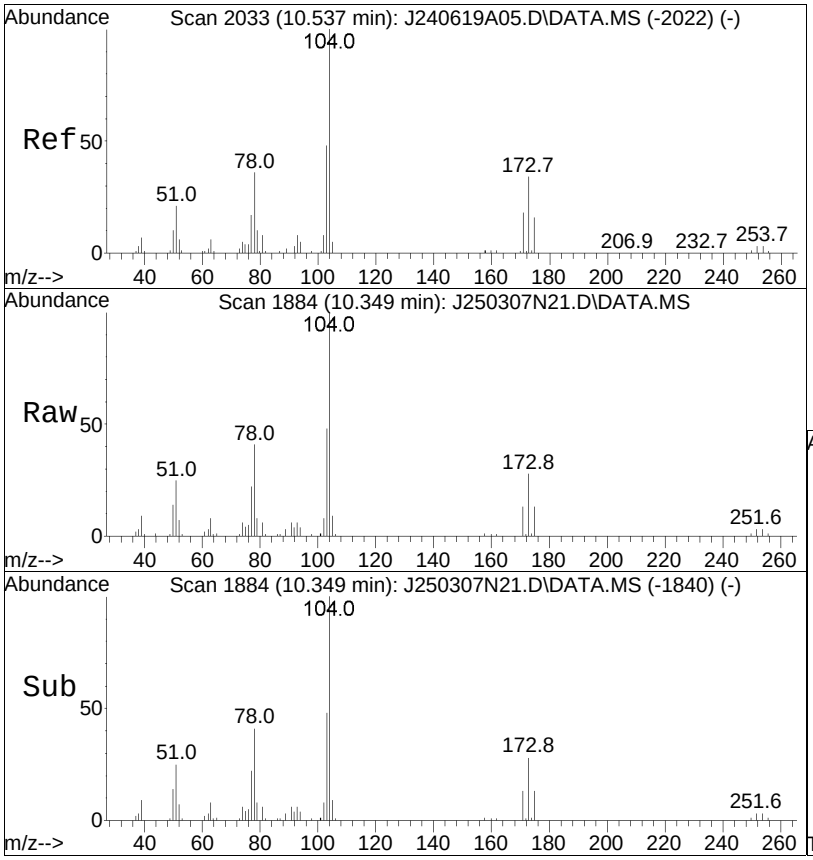


#83
Styrene
Concen: 19.40 ug/L
RT: 10.331 min Scan# 1880
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:104 Resp: 270641

Ion	Ratio	Lower	Upper
104	100		
78	41.7	38.1	57.1

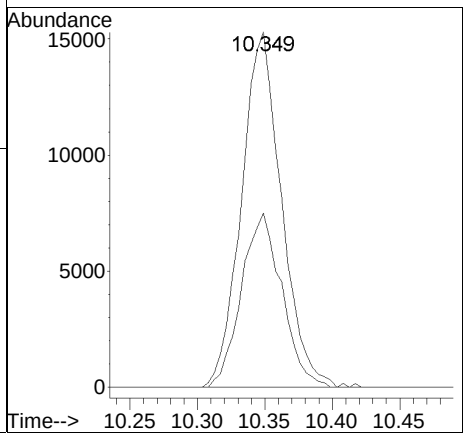


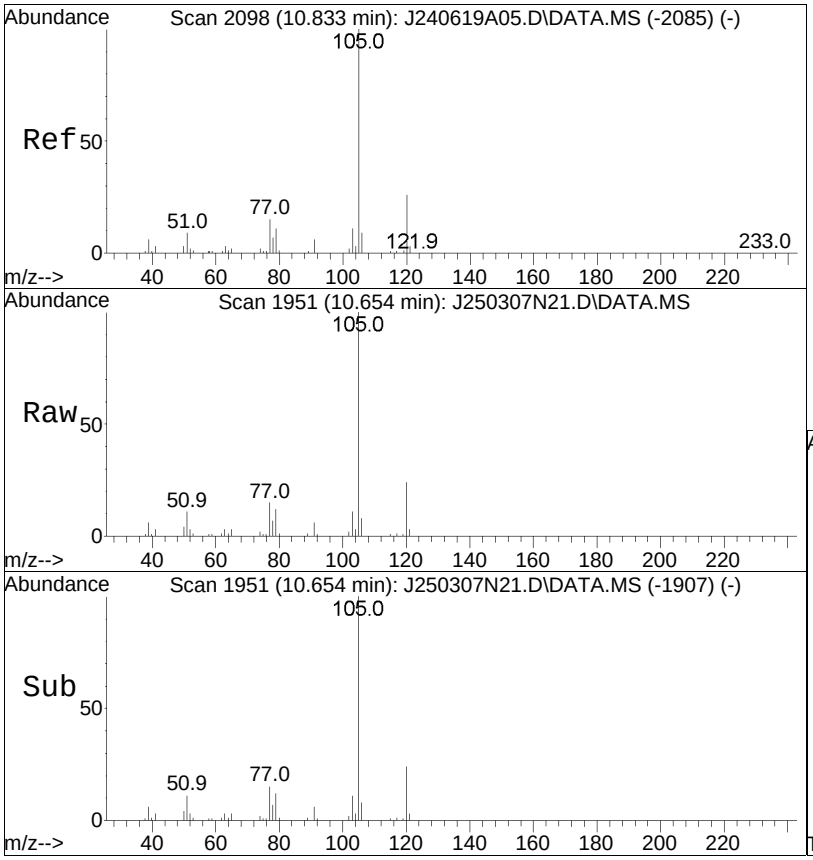


#85
Bromoform
Concen: 9.78 ug/L
RT: 10.349 min Scan# 1884
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:173 Resp: 31607

Ion	Ratio	Lower	Upper
173	100		
175	49.6	37.8	56.6

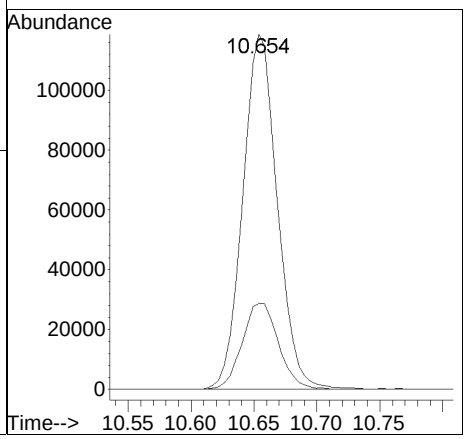


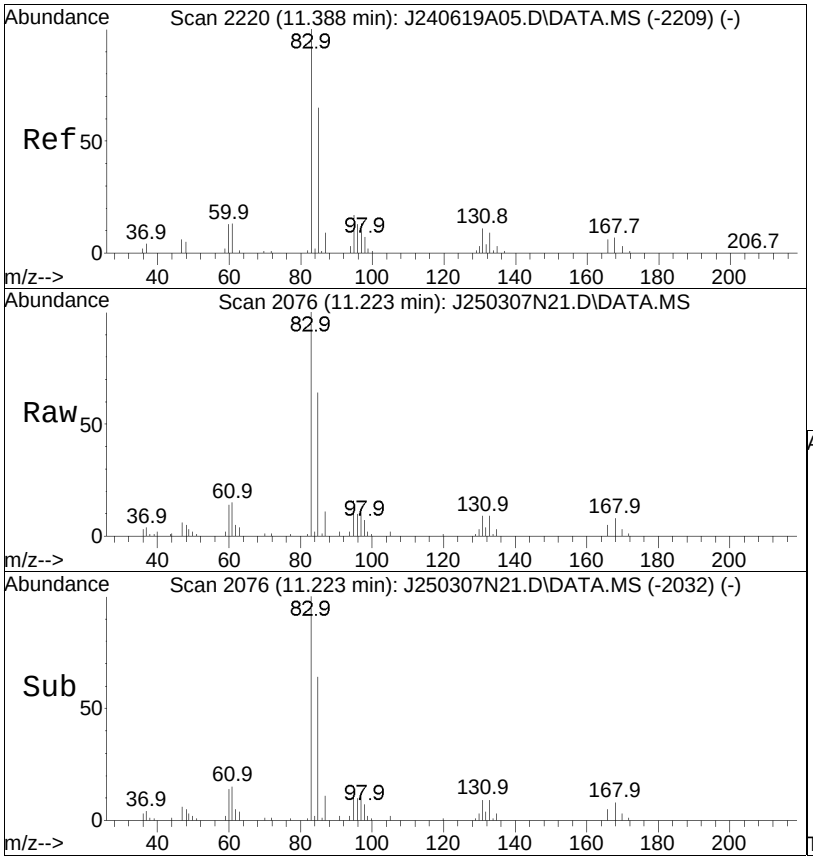


#87
Isopropylbenzene
Concen: 10.27 ug/L
RT: 10.654 min Scan# 1951
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:105 Resp: 226291

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.0	30.0

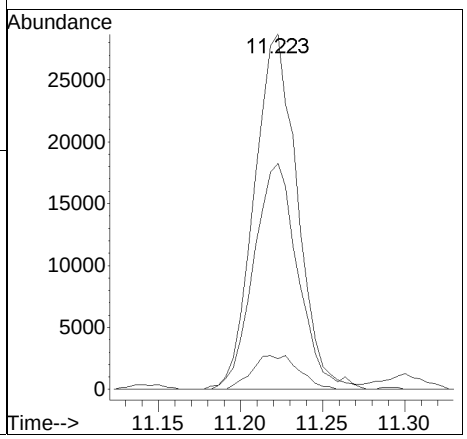


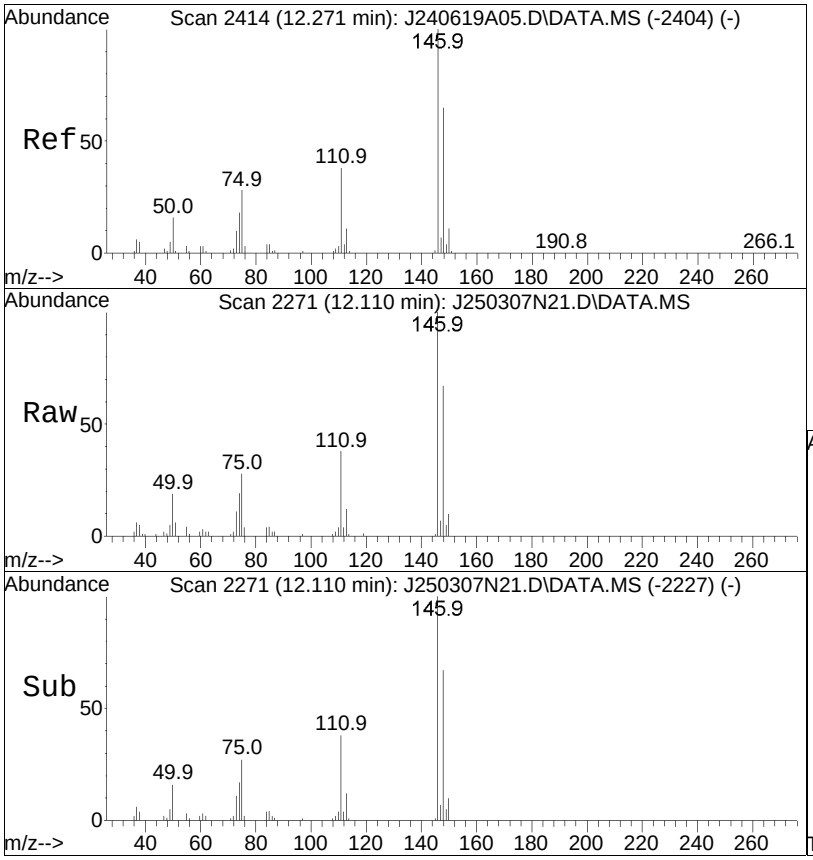


#92
1,1,2,2-Tetrachloroethane
Concen: 10.18 ug/L
RT: 11.223 min Scan# 2076
Delta R.T. -0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion: 83 Resp: 52210

Ion	Ratio	Lower	Upper
83	100		
131	10.5	6.6	10.0#
85	66.0	51.8	77.6

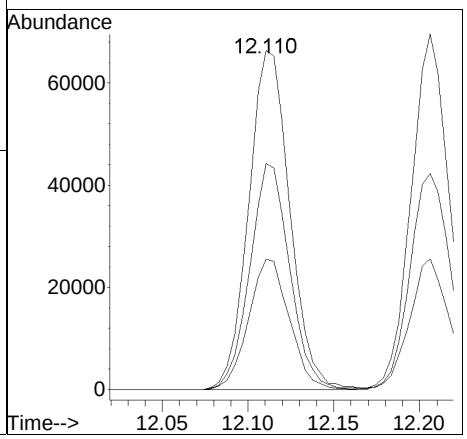


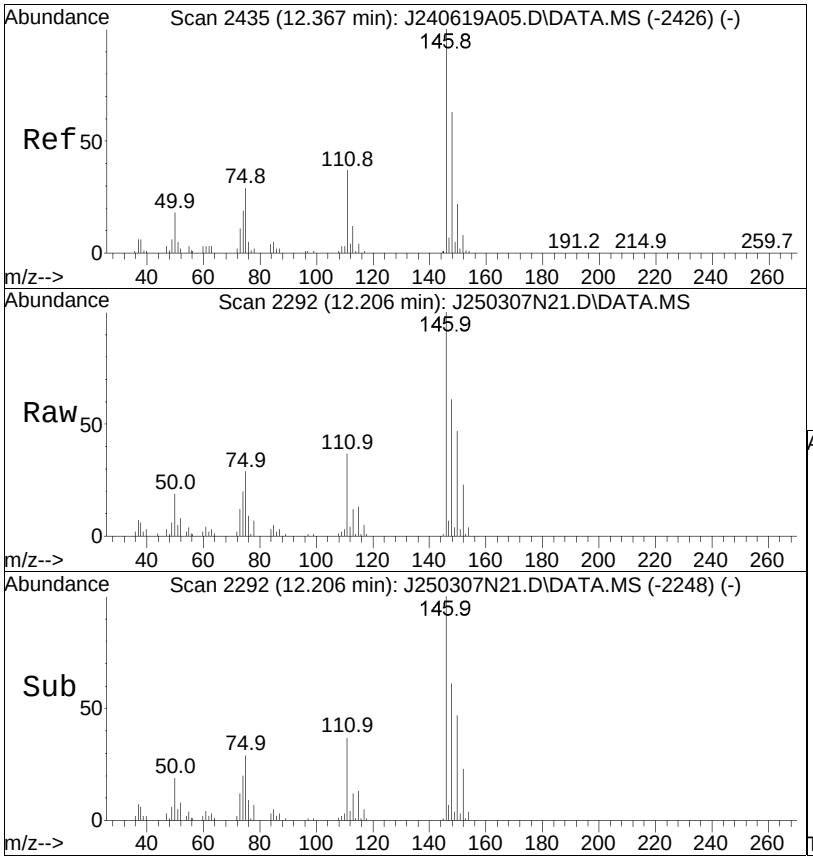


#105
1,3-Dichlorobenzene
Concen: 10.26 ug/L
RT: 12.110 min Scan# 2271
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:146 Resp: 110467

Ion	Ratio	Lower	Upper
146	100		
111	38.0	28.0	58.1
148	64.6	40.8	84.6

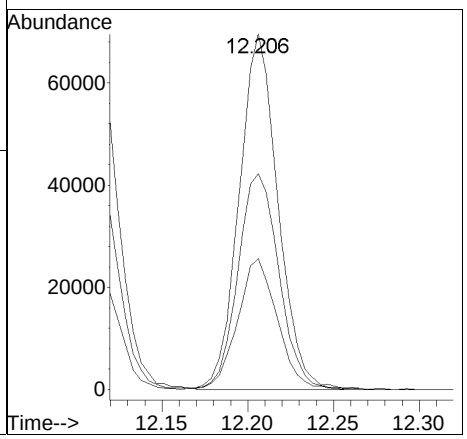


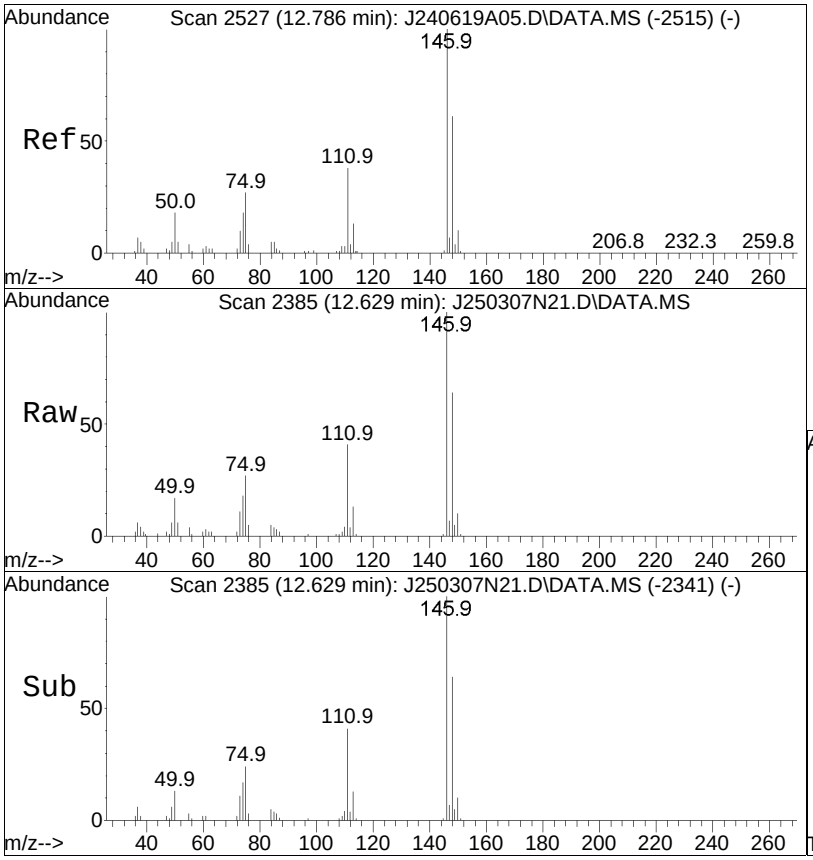


#106
1,4-Dichlorobenzene
Concen: 10.16 ug/L
RT: 12.206 min Scan# 2292
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:146 Resp: 109441

Ion	Ratio	Lower	Upper
146	100		
111	37.6	33.7	50.5
148	64.1	50.8	76.2

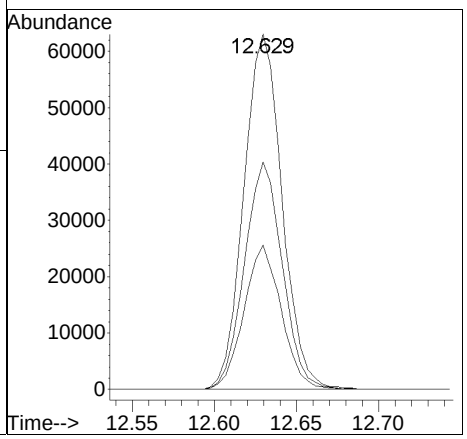


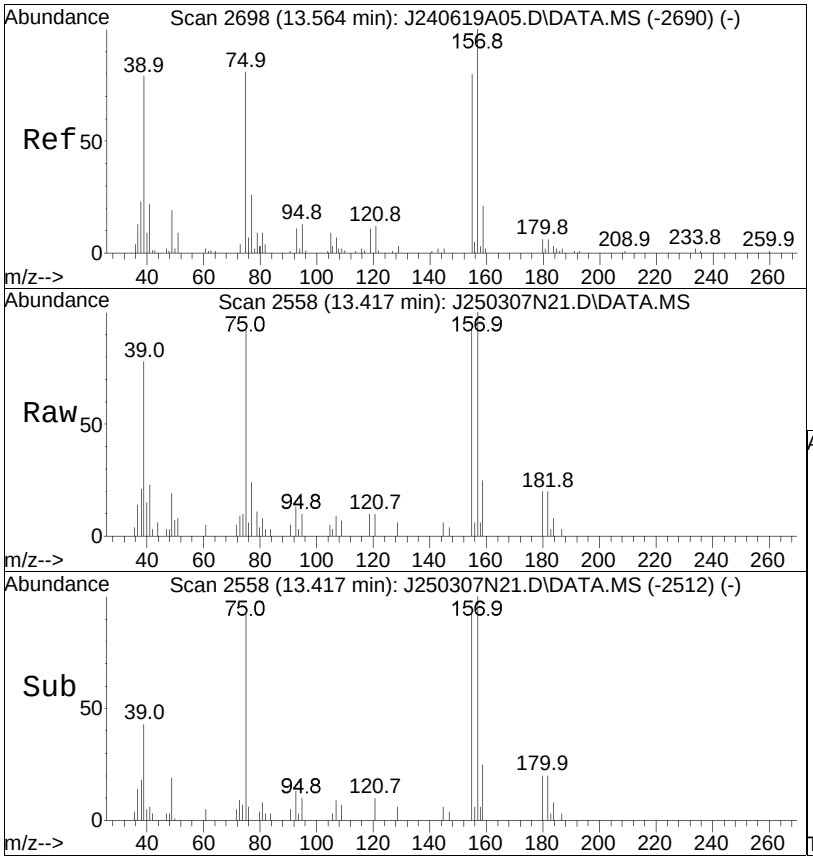


#109
1,2-Dichlorobenzene
Concen: 10.25 ug/L
RT: 12.629 min Scan# 2385
Delta R.T. 0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:146 Resp: 102208

Ion	Ratio	Lower	Upper
146	100		
111	39.6	29.5	61.3
148	63.3	41.3	85.9

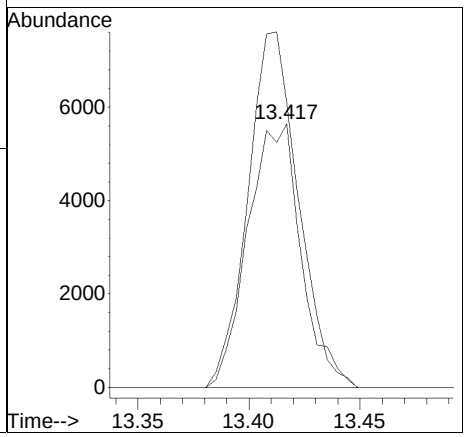


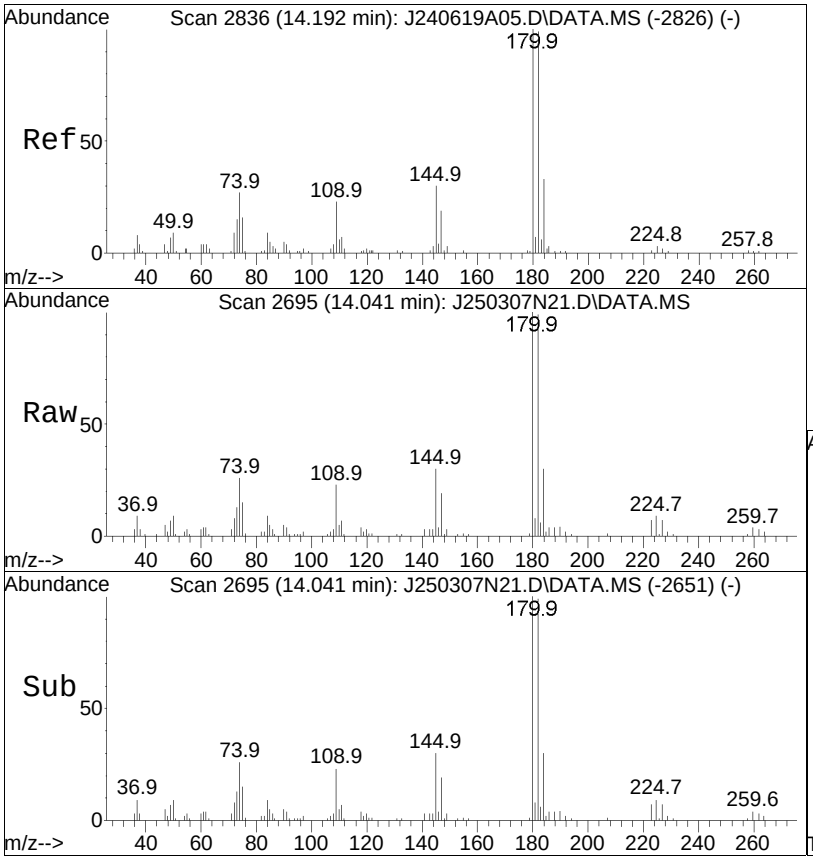


#111
1,2-Dibromo-3-chloropropane
Concen: 9.64 ug/L
RT: 13.417 min Scan# 2558
Delta R.T. 0.009 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:155 Resp: 9404

Ion	Ratio	Lower	Upper
155	100		
157	127.9	105.1	157.7

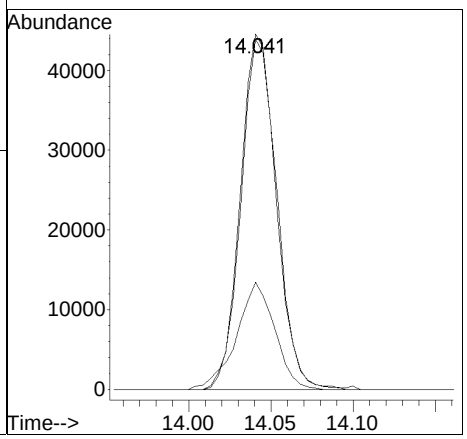


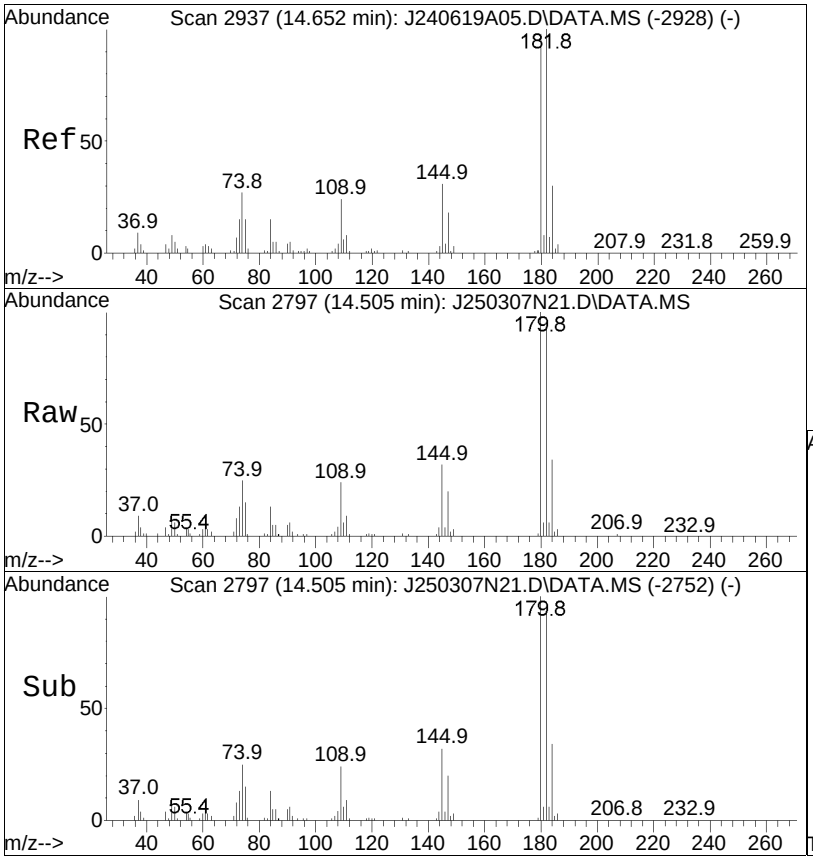


#114
1,2,4-Trichlorobenzene
Concen: 9.87 ug/L
RT: 14.041 min Scan# 2695
Delta R.T. -0.000 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:180 Resp: 68521

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.7	113.5
145	31.7	27.4	41.2

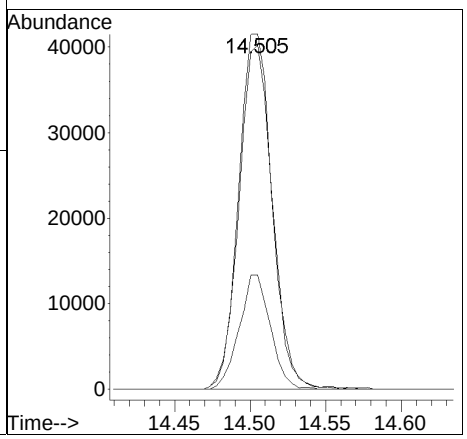




#116
1,2,3-Trichlorobenzene
Concen: 10.11 ug/L
RT: 14.505 min Scan# 2797
Delta R.T. 0.005 min
Lab File: J250307N21.D
Acq: 8 Mar 2025 3:48 am

Tgt Ion:180 Resp: 64314

Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.7	112.1
145	30.0	22.1	33.1



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 11:24 am

Work Group: WG2038627 for Department: 31 GC/MS - Volatiles

Created: 10-MAR-25 Due: Operator: MKS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2511944-01	MW-11S	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-02	MW-10S	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-03	MW-10D	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-04	MW-13S	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-05	MW-13D	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-06	MW-1SR	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-07	MW-10R2	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-08	DUP_03042025	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-09	EQUIPMENT BLANK	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2511944-10	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0318	0311	S0	Vial-B
L2512043-01	IRM-EFFLUENT-250304	S	NYTCL-8260-R2	WATER	SEC	U	0318	0311	S0	Vial-B
L2512043-02	IRM-MIDPOINT-250304	S	NYTCL-8260-R2	WATER	SEC	U	0318	0311	S0	Vial-B
L2512043-03	IRM-INFLUENT-250304	S	NYTCL-8260-R2	WATER	SENT	U	0318	0311	S0	Vial-B
WG2038627-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2038627-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2038627-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2038627-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2038627-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2038627-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2038627-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2038627-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2038627-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2038627-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2038627-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2038627-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2038627-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2038627-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2038627-4	WG2038627-3
WG2038627-6	L2511944-06
WG2038627-7	L2511944-06

Method

Inst: Jack BFB: V10950 GC: 8260

Initials: MCM IS/SS: V10982 Autosampler: 8260 WATER

Date: 02/28/25 ICAL V10972B,V10986 Concentrator: 8260-2

Run: A ICV: V10953,V10974,V10954,V10988,V10975,V10976 QC___ Seq: _____

Vial	DATA FILE	SAMPLE	
1	J250228BFB1	BFB TUNE	
1	J250228A01	BLK	
2	J250228A02	I8260STDL0.19ppb	
3	J250228A03	I8260STDL0.5ppb	
4	J250228A04	I8260STDL2ppb	
5	J250228A05	I8260STDL10ppb	
6	J250228A06	I8260STDL30ppb	
7	J250228A07	I8260STDL80ppb	
8	J250228A08	I8260STDL120ppb	
9	J250228A09	I8260STDL200ppb	
10	J250228A10	BLK	
11	J250228A11	BLK	
12	J250228A12	BLK	
13	J250228A13	C8260STDL10ppb	
14	J250228A14	C8260STDL10ppb	
15	J250228A15	BLK	
16	J250228A16	METHOD BLK	
17	J250228A17	MDL NJ 3	
18	J250228A18	MDL NJ 3	
19	J250228A19	BLK	
20	J250228A20	BLK	
21	J250228A21	BLK	
22	J250228A22	BLK	

Method

Inst: Jack BFB: V10998 GC: 8260

Initials: RAW IS/SS: V10982 Autosampler: 8260 WATER

Date: 03/07/25 CCAL V10972C,V10986 Concentrator: 8260-2

Run: N QC___ Seq: _____

Vial	DATA FILE	SAMPLE			
1	J250307BFB1	BFB TUNE			
1	J250307N01	8260 CCAL			
2	J250307N02	8260 CCAL			
3	J250307N03	8260 CCAL			
4	J250307N04	BLK			
5	J250307N05	METHOD BLK			
6	J250307N06	L2511944-10,31,10,10,,A	NYTCL/R2	TB	pH<2
7	J250307N07	L2511944-01,31,10,10,,A	NYTCL/R2		pH<2
8	J250307N08	L2511944-02,31,10,10,,A	NYTCL/R2		pH<2
9	J250307N09	L2511944-03,31,10,10,,A	NYTCL/R2		pH<2
10	J250307N10	L2511944-04,31,10,10,,A	NYTCL/R2		pH<2
11	J250307N11	L2511944-05,31,10,10,,A	NYTCL/R2		pH<2
12	J250307N12	L2511944-06,31,10,10,,A	NYTCL/R2		pH<2
13	J250307N13	L2511944-07,31,10,10,,A	NYTCL/R2		pH<2
14	J250307N14	L2511944-08,31,10,10,,A	NYTCL/R2		pH<2
15	J250307N15	L2511944-09,31,10,10,,A	NYTCL/R2		pH<2
16	J250307N16	L2512043-01,31,10,10,,A	NYTCL/R2+10		pH<2
17	J250307N17	L2512043-02,31,10,10,,A	NYTCL/R2+10		pH<2
18	J250307N18	L2512043-03,31,10,10,,A	NYTCL/R2+10		pH<2
19	J250307N19	L2512043-04,31,10,10,,A	NYTCL/R2+10	TB	pH<2
20	J250307N20	L2511944-06MS,31,10,10,,A1	NYTCL/R2		pH<2
21	J250307N21	L2511944-06MSD,31,10,10,,A2	NYTCL/R2		pH<2
22	J250307N22	STD			
23	J250307N23	BLK			
24	J250307N24	BLK			

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2511944
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-11S (L2511944-01)	26	27	75	67	39	92	0
MW-10S (L2511944-02)	46	39	114	93	66	100	0
MW-10D (L2511944-03)	68	50	123*	113	98	119	1
MW-13S (L2511944-04)	71	52	132*	107	97	114	1
MW-13D (L2511944-05)	46	41	111	91	55	96	0
MW-1SR (L2511944-06)	74	47	112	117	110	123	0
MW-10R2 (L2511944-07)	64	45	96	104	97	117	0
DUP_03042025 (L2511944-08)	70	49	105	111	97	124	0
EQUIPMENT BLANK (L2511944-09)	56	42	75	82	71	88	0
WG2037072-1BLANK	45	42	106	92	58	100	0
WG2037072-2LCS	55	47	97	82	89	87	0
WG2037072-3LCSD	61	45	102	86	90	93	0
MW-1SRMS	72	55	100	104	111	108	0
MW-1SRMSD	44	38	89	88	61	97	0
WG2038540-1BLANK	46	32	63	69	57	77	0
WG2038540-2LCS	63	48	87	85	89	92	0
WG2038540-3LCSD	52	38	65	67	67	70	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8270-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2037072-2 Analysis Date : 03/06/25 02:47	**File ID**	: 037072-2
LCSD Sample ID	: WG2037072-3 Analysis Date : 03/06/25 03:10	**File ID**	: 037072-3

	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
3,3'-Dichlorobenzidine	20	20.	99	20	20.	102	3	40-140	30
2,4-Dinitrotoluene	20	20.	103	20	19.	97	6	48-143	30
2,6-Dinitrotoluene	20	19.	95	20	19.	96	1	40-140	30
4-Chlorophenyl phenyl ether	20	17.	86	20	18.	92	7	40-140	30
4-Bromophenyl phenyl ether	20	18.	88	20	17.	83	6	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	80	20	16.	78	3	40-140	30
Bis(2-chloroethoxy)methane	20	21.	105	20	20.	102	3	40-140	30
Hexachlorocyclopentadiene	20	11.	55	20	10.	52	6	40-140	30
Isophorone	20	21.	106	20	21.	106	0	40-140	30
Nitrobenzene	20	20.	101	20	21.	104	3	40-140	30
NDPA/DPA	20	18.	91	20	19.	94	3	40-140	30
n-Nitrosodi-n-propylamine	20	21.	104	20	21.	104	0	29-132	30
Bis(2-ethylhexyl)phthalate	20	22.	109	20	23.	116	6	40-140	30
Butyl benzyl phthalate	20	20.	100	20	20.	101	1	40-140	30
Di-n-butylphthalate	20	20.	99	20	19.	95	4	40-140	30
Di-n-octylphthalate	20	22.	108	20	22.	108	0	40-140	30
Diethyl phthalate	20	20.	100	20	20.	100	0	40-140	30
Dimethyl phthalate	20	19.	96	20	18.	91	5	40-140	30
Biphenyl	20	18.	90	20	18.	89	1	40-140	30
4-Chloroaniline	20	21.	106	20	18.	91	15	40-140	30
2-Nitroaniline	20	19.	94	20	20.	98	4	52-143	30
3-Nitroaniline	20	19.	97	20	20.	98	1	25-145	30
4-Nitroaniline	20	20.	102	20	19.	97	5	51-143	30
Dibenzofuran	20	18.	88	20	19.	94	7	40-140	30
1,2,4,5-Tetrachlorobenzene	20	15.	76	20	16.	81	6	2-134	30
Acetophenone	20	22.	109	20	22.	108	1	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2037072-2 **Analysis Date** : 03/06/25 02:47	**File ID**	: 037072-2
LCSD Sample ID	: WG2037072-3 **Analysis Date** : 03/06/25 03:10	**File ID**	: 037072-3

	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
2,4,6-Trichlorophenol	20	17.	87	20	17.	84	4	30-130	30
p-Chloro-m-cresol	20	21.	106 Q	20	22.	108 Q	2	23-97	30
2-Chlorophenol	20	17.	85	20	18.	93	9	27-123	30
2,4-Dichlorophenol	20	18.	89	20	18.	90	1	30-130	30
2,4-Dimethylphenol	20	23.	113	20	22.	109	4	30-130	30
2-Nitrophenol	20	17.	86	20	17.	86	0	30-130	30
4-Nitrophenol	20	12.	63	20	13.	64	2	10-80	30
2,4-Dinitrophenol	20	22.	111	20	19.	96	14	20-130	30
4,6-Dinitro-o-cresol	20	19.	96	20	18.	89	8	20-164	30
Phenol	20	9.8	49	20	11.	54	10	12-110	30
2-Methylphenol	20	18.	90	20	18.	91	1	30-130	30
3-Methylphenol/4-Methylphenol	20	18.	88	20	18.	89	1	30-130	30
2,4,5-Trichlorophenol	20	19.	94	20	19.	93	1	30-130	30
Carbazole	20	20.	101	20	20.	103	2	55-144	30
Atrazine	20	19.	96	20	18.	93	3	40-140	30
Benzaldehyde	20	23.	117	20	25.	124	6	40-140	30
Caprolactam	20	7.1	36	20	7.1	35	3	10-130	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038540-2 **Analysis Date** : 03/10/25 23:22	**File ID**	: 038441-2
LCSD Sample ID	: WG2038540-3 **Analysis Date** : 03/10/25 23:45	**File ID**	: 038441-3

	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
3,3'-Dichlorobenzidine	20	13.	66	20	11.	55	18		40-140	30
2,4-Dinitrotoluene	20	18.	89	20	13.	66	30		48-143	30
2,6-Dinitrotoluene	20	18.	90	20	14.	71	24		40-140	30
4-Chlorophenyl phenyl ether	20	16.	82	20	13.	63	26		40-140	30
4-Bromophenyl phenyl ether	20	17.	86	20	12.	62	32	Q	40-140	30
Bis(2-chloroisopropyl)ether	20	14.	68	20	11.	55	21		40-140	30
Bis(2-chloroethoxy)methane	20	15.	75	20	12.	61	21		40-140	30
Hexachlorocyclopentadiene	20	15.	74	20	12.	58	24		40-140	30
Isophorone	20	15.	77	20	12.	59	26		40-140	30
Nitrobenzene	20	15.	76	20	13.	66	14		40-140	30
NDPA/DPA	20	17.	84	20	12.	62	30		40-140	30
n-Nitrosodi-n-propylamine	20	15.	76	20	12.	62	20		29-132	30
Bis(2-ethylhexyl)phthalate	20	17.	84	20	12.	59	35	Q	40-140	30
Butyl benzyl phthalate	20	18.	90	20	14.	68	28		40-140	30
Di-n-butylphthalate	20	17.	84	20	13.	65	26		40-140	30
Di-n-octylphthalate	20	17.	84	20	12.	60	33	Q	40-140	30
Diethyl phthalate	20	16.	80	20	12.	62	25		40-140	30
Dimethyl phthalate	20	18.	91	20	14.	68	29		40-140	30
Biphenyl	20	18.	91	20	15.	74	21		40-140	30
4-Chloroaniline	20	13.	67	20	11.	53	23		40-140	30
2-Nitroaniline	20	17.	87	20	14.	68	25		52-143	30
3-Nitroaniline	20	17.	84	20	13.	64	27		25-145	30
4-Nitroaniline	20	18.	92	20	14.	68	30		51-143	30
Dibenzofuran	20	16.	80	20	12.	62	25		40-140	30
1,2,4,5-Tetrachlorobenzene	20	17.	85	20	14.	69	21		2-134	30
Acetophenone	20	18.	92	20	15.	76	19		39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038540-2 **Analysis Date** : 03/10/25 23:22	**File ID**	: 038441-2
LCSD Sample ID	: WG2038540-3 **Analysis Date** : 03/10/25 23:45	**File ID**	: 038441-3

	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
2,4,6-Trichlorophenol	20	16.	79	20	13.	67	16		30-130	30
p-Chloro-m-cresol	20	18.	90	20	13.	67	29		23-97	30
2-Chlorophenol	20	15.	77	20	13.	63	20		27-123	30
2,4-Dichlorophenol	20	16.	83	20	13.	64	26		30-130	30
2,4-Dimethylphenol	20	16.	81	20	13.	63	25		30-130	30
2-Nitrophenol	20	18.	90	20	13.	66	31	Q	30-130	30
4-Nitrophenol	20	14.	68	20	11.	53	25		10-80	30
2,4-Dinitrophenol	20	14.	68	20	11.	53	25		20-130	30
4,6-Dinitro-o-cresol	20	17.	85	20	12.	59	36	Q	20-164	30
Phenol	20	9.9	50	20	7.4	37	30		12-110	30
2-Methylphenol	20	15.	73	20	12.	58	23		30-130	30
3-Methylphenol/4-Methylphenol	20	14.	73	20	11.	57	25		30-130	30
2,4,5-Trichlorophenol	20	18.	89	20	13.	67	28		30-130	30
Carbazole	20	17.	85	20	13.	64	28		55-144	30
Atrazine	20	23.	114	20	17.	83	31	Q	40-140	30
Benzaldehyde	20	22.	108	20	16.	82	27		40-140	30
Caprolactam	20	7.4	37	20	6.6	33	11		10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 17:26
Matrix Spike	: WG2037072-4	**MS Analysis Date**	: 03/06/25 16:34
Matrix Spike Dup	: WG2037072-5	**MSD Analysis Date**	: 03/06/25 17:00

		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
3,3'-Dichlorobenzidine	ND	20	26.	130	20	12.	60	74	Q	40-140	30
2,4-Dinitrotoluene	ND	20	22.	110	20	19.	95	15		48-143	30
2,6-Dinitrotoluene	ND	20	22.	110	20	18.	90	20		40-140	30
4-Chlorophenyl phenyl ether	ND	20	22.	110	20	19.	95	15		40-140	30
4-Bromophenyl phenyl ether	ND	20	22.	110	20	19.	95	15		40-140	30
Bis(2-chloroisopropyl)ether	ND	20	24.	120	20	18.	90	29		40-140	30
Bis(2-chloroethoxy)methane	ND	20	24.	120	20	22.	110	9		40-140	30
Hexachlorocyclopentadiene	ND	20	10.J	50	20	9.3J	47	7		40-140	30
Isophorone	ND	20	21.	110	20	18.	90	15		40-140	30
Nitrobenzene	ND	20	22.	110	20	19.	95	15		40-140	30
NDPA/DPA	ND	20	24.	120	20	16.	80	40	Q	40-140	30
n-Nitrosodi-n-propylamine	ND	20	22.	110	20	20.	100	10		29-132	30
Bis(2-ethylhexyl)phthalate	2.6J	20	26.	130	20	24.	120	8		40-140	30
Butyl benzyl phthalate	ND	20	24.	120	20	22.	110	9		40-140	30
Di-n-butylphthalate	ND	20	27.	140	20	24.	120	12		40-140	30
Di-n-octylphthalate	ND	20	25.	130	20	22.	110	13		40-140	30
Diethyl phthalate	ND	20	24.	120	20	21.	110	13		40-140	30
Dimethyl phthalate	ND	20	24.	120	20	20.	100	18		40-140	30
Biphenyl	ND	20	22.	110	20	18.	90	20		40-140	30
4-Chloroaniline	ND	20	19.	95	20	15.	75	24		40-140	30
2-Nitroaniline	ND	20	22.	110	20	18.	90	20		52-143	30
3-Nitroaniline	ND	20	23.	120	20	21.	110	9		25-145	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 17:26
Matrix Spike	: WG2037072-4	**MS Analysis Date**	: 03/06/25 16:34
Matrix Spike Dup	: WG2037072-5	**MSD Analysis Date**	: 03/06/25 17:00

		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
4-Nitroaniline	ND	20	26.	130		20	22.	110		17		51-143	30
Dibenzofuran	ND	20	23.	120		20	19.	95		19		40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	19.	95		20	16.	80		17		2-134	30
Acetophenone	ND	20	26.	130	Q	20	22.	110		17		39-129	30
2,4,6-Trichlorophenol	ND	20	22.	110		20	13.	65		51	Q	30-130	30
p-Chloro-m-cresol	ND	20	24.	120	Q	20	18.	90		29		23-97	30
2-Chlorophenol	ND	20	21.	110		20	14.	70		40	Q	27-123	30
2,4-Dichlorophenol	ND	20	22.	110		20	14.	70		44	Q	30-130	30
2,4-Dimethylphenol	ND	20	15.	75		20	10.	50		40	Q	30-130	30
2-Nitrophenol	ND	20	21.	110		20	13.	65		47	Q	30-130	30
4-Nitrophenol	ND	20	15.	75		20	9.0J	45		50	Q	10-80	30
2,4-Dinitrophenol	ND	20	15.J	75		20	7.3J	37		69	Q	20-130	30
4,6-Dinitro-o-cresol	ND	20	19.	95		20	13.	65		38	Q	20-164	30
Phenol	ND	20	12.	60		20	8.8	44		31	Q	12-110	30
2-Methylphenol	ND	20	19.	95		20	14.	70		30		30-130	30
3-Methylphenol/4-Methylphenol	ND	20	21.	110		20	15.	75		33	Q	30-130	30
2,4,5-Trichlorophenol	ND	20	24.	120		20	14.	70		53	Q	30-130	30
Carbazole	ND	20	24.	120		20	22.	110		9		55-144	30
Atrazine	ND	20	30.	150	Q	20	26.	130		14		40-140	30
Benzaldehyde	ND	20	24.	120		20	21.	110		13		40-140	30
Caprolactam	ND	20	12.	60		20	12.	60		0		10-130	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2037072-1	**Lab File ID**	: 037072-1
Instrument ID	: SV106	**Extraction Date**	: 03/05/25
Matrix	: WATER	**Analysis Date**	: 03/06/25 02:23
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2037072-2LCS	WG2037072-2	03/06/25 02:47
WG2037072-3LCSD	WG2037072-3	03/06/25 03:10
MW-11S	L2511944-01	03/06/25 08:16
MW-10S	L2511944-02	03/06/25 10:38
MW-10D	L2511944-03	03/06/25 11:26
MW-13S	L2511944-04	03/06/25 11:49
MW-13D	L2511944-05	03/06/25 12:13
MW-1SRMS	WG2037072-4	03/06/25 16:34
MW-1SRMSD	WG2037072-5	03/06/25 17:00
MW-1SR	L2511944-06	03/06/25 17:26
MW-10R2	L2511944-07	03/06/25 17:51
DUP_03042025	L2511944-08	03/06/25 18:17

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2038540-1	**Lab File ID**	: 038441-1
Instrument ID	: DAKOTA	**Extraction Date**	: 03/10/25
Matrix	: WATER	**Analysis Date**	: 03/10/25 22:37
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2038540-2LCS	WG2038540-2	03/10/25 23:22
WG2038540-3LCSD	WG2038540-3	03/10/25 23:45
EQUIPMENT BLANK	L2511944-09	03/11/25 00:29

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Analysis Date**	: 10/09/24 19:43
Tune Standard	: R1887847-4	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	36.3
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.3
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.2
442	Base Peak, or >50% of mass 198	66.9
443	15.0 - 24.0% of mass 442	13 (19.5)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1887847-15	ABNL9	10/09/24 20:07
ABNL8	R1887847-13	ABNL8	10/09/24 20:30
ABNL7	R1887847-12	ABNL7	10/09/24 20:54
ABNL6	R1887847-11	ABNL6	10/09/24 21:18
ABNL5	R1887847-10	ABNL5	10/09/24 21:41
ABNL4	R1887847-9	ABNL4	10/09/24 22:05
ABNL3	R1887847-8	ABNL3	10/09/24 22:29
ABNL2	R1887847-7	ABNL2	10/09/24 22:52
ABNL1	R1887847-6	ABNL1	10/09/24 23:16
AP9L9	R1887847-32	AP9L9	10/09/24 23:40
AP9L8	R1887847-31	AP9L8	10/10/24 00:03
AP9L7	R1887847-30	AP9L7	10/10/24 00:27
AP9L6	R1887847-29	AP9L6	10/10/24 00:51
AP9L5	R1887847-28	AP9L5	10/10/24 01:15
AP9L4	R1887847-27	AP9L4	10/10/24 01:38
AP9L3	R1887847-24	AP9L3	10/10/24 02:02
AP9L2	R1887847-25	AP9L2	10/10/24 02:25
AP9L1	R1887847-26	AP9L1	10/10/24 02:49
ABN ICV Quant Report	R1887847-1	ABNICV	10/10/24 03:13
AP9 ICV Quant Report	R1887847-3	AP9ICV	10/10/24 03:37

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Analysis Date**	: 10/11/24 12:20
Tune Standard	: R1887847-5	**Tune File ID**	: Tune3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.1
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	25.8
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	69.1
443	15.0 - 24.0% of mass 442	13.4 (19.3)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1887847-23	ADPL9	10/11/24 12:44
ADPL8	R1887847-21	ADPL8	10/11/24 13:07
ADPL7	R1887847-20	ADPL7	10/11/24 13:31
ADPL6	R1887847-22	ADPL6	10/11/24 13:55
ADPL5	R1887847-19	ADPL5	10/11/24 14:18
ADPL4	R1887847-17	ADPL4	10/11/24 14:42
ADPL3	R1887847-18	ADPL3	10/11/24 15:06
ADPL2	R1887847-16	ADPL2	10/11/24 15:29
ADPL1	R1887847-14	ADPL1	10/11/24 15:53
ADP ICV Quant Report	R1887847-2	ADPICV	10/11/24 16:16

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Analysis Date**	: 03/06/25 00:25
Tune Standard	: WG2037122-1	**Tune File ID**	: DEG0305n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.2
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	46.5
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	25.3
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.4
442	Base Peak, or >50% of mass 198	62.2
443	15.0 - 24.0% of mass 442	12 (19.3)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037122-6TFACTOR-P	WG2037122-6	DEG0305N	03/06/25 00:25
WG2037122-7TFACTOR-B	WG2037122-7	DEG0305N	03/06/25 00:25
WG2037122-3CCAL	WG2037122-3	ABN0305N	03/06/25 00:49
WG2037122-4CCAL	WG2037122-4	AP90305N	03/06/25 01:12
WG2037122-5CCAL	WG2037122-5	ADP0305N	03/06/25 01:36
WG2037072-1BLANK	WG2037072-1	037072-1	03/06/25 02:23
WG2037072-2LCS	WG2037072-2	037072-2	03/06/25 02:47
WG2037072-3LCSD	WG2037072-3	037072-3	03/06/25 03:10
MW-11S	L2511944-01	11944-01	03/06/25 08:16
MW-10S	L2511944-02	11944-02	03/06/25 10:38
MW-10D	L2511944-03	11944-03	03/06/25 11:26
MW-13S	L2511944-04	11944-04	03/06/25 11:49
MW-13D	L2511944-05	11944-05	03/06/25 12:13

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: DAKOTA	**Analysis Date**	: 11/05/24 16:36
Tune Standard	: R1897417-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	27.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	80.8
443	15.0 - 24.0% of mass 442	15.9 (19.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1897417-9	ABNL9	11/05/24 16:59
ABNL8	R1897417-8	ABNL8	11/05/24 17:23
ABNL7	R1897417-7	ABNL7	11/05/24 17:46
ABNL6	R1897417-6	ABNL6	11/05/24 18:09
ABNL5	R1897417-5	ABNL5	11/05/24 18:33
ABNL4	R1897417-4	ABNL4	11/05/24 18:56
ABNL3	R1897417-3	ABNL3	11/05/24 19:19
ABNL2	R1897417-2	ABNL2	11/05/24 19:42
ABNL1	R1897417-1	ABNL1	11/05/24 20:06
AP9L9	R1897417-27	AP9L9	11/05/24 20:29
AP9L8	R1897417-26	AP9L8	11/05/24 20:53
AP9L7	R1897417-25	AP9L7	11/05/24 21:16
AP9L6	R1897417-24	AP9L6	11/05/24 21:39
AP9L5	R1897417-23	AP9L5	11/05/24 22:03
AP9L4	R1897417-22	AP9L4	11/05/24 22:26
AP9L3	R1897417-21	AP9L3	11/05/24 22:49
AP9L2	R1897417-20	AP9L2	11/05/24 23:13
AP9L1	R1897417-19	AP9L1	11/05/24 23:36
ABN ICV Quant Report	R1897417-28	ABNICV	11/05/24 23:59
AP9 ICV Quant Report	R1897417-30	AP9ICV	11/06/24 00:23

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: DAKOTA	**Analysis Date**	: 11/06/24 00:46
Tune Standard	: R1897417-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	45.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	27.4
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.8
442	Base Peak, or >50% of mass 198	78.8
443	15.0 - 24.0% of mass 442	15.6 (19.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1897417-18	ADPL9	11/06/24 01:10
ADPL8	R1897417-17	ADPL8	11/06/24 01:33
ADPL7	R1897417-16	ADPL7	11/06/24 01:56
ADPL6	R1897417-15	ADPL6	11/06/24 02:20
ADPL5	R1897417-14	ADPL5	11/06/24 02:43
ADPL4	R1897417-13	ADPL4	11/06/24 03:07
ADPL3	R1897417-12	ADPL3	11/06/24 03:30
ADPL2	R1897417-10	ADPL2	11/06/24 03:53
ADPL1	R1897417-11	ADPL1	11/06/24 04:17
ADP ICV Quant Report	R1897417-29	ADPICV	11/06/24 04:40

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: DAKOTA	**Analysis Date**	: 03/10/25 20:21
Tune Standard	: WG2038779-1	**Tune File ID**	: DEG0310n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	39.4
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	48
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	27.4
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	18.8
442	Base Peak, or >50% of mass 198	73.4
443	15.0 - 24.0% of mass 442	15.2 (20.7)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2038779-6TFACTOR-B	WG2038779-6	DEG0310N	03/10/25 20:21
WG2038779-7TFACTOR-P	WG2038779-7	DEG0310N	03/10/25 20:21
WG2038779-3CCAL	WG2038779-3	ABN0310N	03/10/25 20:44
WG2038779-4CCAL	WG2038779-4	AP90310N	03/10/25 21:06
WG2038779-5CCAL	WG2038779-5	ADP0310N	03/10/25 22:15
WG2038540-1BLANK	WG2038540-1	038441-1	03/10/25 22:37
WG2038540-2LCS	WG2038540-2	038441-2	03/10/25 23:22
WG2038540-3LCSD	WG2038540-3	038441-3	03/10/25 23:45
EQUIPMENT BLANK	L2511944-09	11944-09	03/11/25 00:29

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV107	**Analysis Date**	: 03/04/25 21:26
Tune Standard	: R1937231-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	32.4
68	Less than 2.0% of mass 69	0.5 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	39.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	22.6
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	88.4
443	15.0 - 24.0% of mass 442	17.4 (19.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1937231-9	ABNL9	03/04/25 21:51
ABNL8	R1937231-8	ABNL8	03/04/25 22:16
ABNL7	R1937231-7	ABNL7	03/04/25 22:42
ABNL6	R1937231-6	ABNL6	03/04/25 23:07
ABNL5	R1937231-5	ABNL5	03/04/25 23:33
ABNL4	R1937231-4	ABNL4	03/04/25 23:58
ABNL3	R1937231-3	ABNL3	03/05/25 00:24
ABNL2	R1937231-2	ABNL2	03/05/25 00:49
ABNL1	R1937231-1	ABNL1	03/05/25 01:14
ABN ICV Quant Report	R1937231-28	ABNICV	03/05/25 03:47

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV107	**Analysis Date**	: 03/05/25 04:38
Tune Standard	: R1937231-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	29.8
68	Less than 2.0% of mass 69	0.4 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	39.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	23.1
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	94.3
443	15.0 - 24.0% of mass 442	18.6 (19.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R1937231-27	AP9L9	03/05/25 05:03
AP9L8	R1937231-26	AP9L8	03/05/25 05:29
AP9L7	R1937231-25	AP9L7	03/05/25 05:54
AP9L6	R1937231-24	AP9L6	03/05/25 06:20
AP9L5	R1937231-21	AP9L5	03/05/25 06:45
AP9L4	R1937231-22	AP9L4	03/05/25 07:11
AP9L3	R1937231-23	AP9L3	03/05/25 07:36
AP9L2	R1937231-20	AP9L2	03/05/25 08:02
AP9L1	R1937231-19	AP9L1	03/05/25 08:27
ADPL9	R1937231-18	ADPL9	03/05/25 08:53
ADPL8	R1937231-17	ADPL8	03/05/25 09:19
ADPL7	R1937231-16	ADPL7	03/05/25 09:44
ADPL6	R1937231-14	ADPL6	03/05/25 10:10
ADPL5	R1937231-15	ADPL5	03/05/25 10:35
ADPL4	R1937231-13	ADPL4	03/05/25 11:01
ADPL3	R1937231-11	ADPL3	03/05/25 11:27
ADPL2	R1937231-12	ADPL2	03/05/25 11:52
ADPL1	R1937231-10	ADPL1	03/05/25 12:18
AP9 ICV Quant Report	R1937231-30	AP9ICV	03/05/25 12:44
ADP ICV Quant Report	R1937231-29	ADPICV	03/05/25 13:09

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV107	**Analysis Date**	: 03/06/25 10:02
Tune Standard	: WG2037390-1	**Tune File ID**	: DEG0306_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.8
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	40.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	23.4
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17
442	Base Peak, or >50% of mass 198	91.9
443	15.0 - 24.0% of mass 442	18 (19.6)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037390-6TFACTOR-B	WG2037390-6	DEG0306	03/06/25 10:02
WG2037390-7TFACTOR-P	WG2037390-7	DEG0306	03/06/25 10:02
WG2037390-3CCAL	WG2037390-3	ABN0306	03/06/25 10:28
WG2037390-4CCAL	WG2037390-4	AP90306	03/06/25 10:54
WG2037390-5CCAL	WG2037390-5	ADP0306	03/06/25 11:20
WG2037072-4MS	WG2037072-4	037072-4	03/06/25 16:34
WG2037072-5MSD	WG2037072-5	037072-5	03/06/25 17:00
MW-1SR	L2511944-06	11944-06	03/06/25 17:26
MW-10R2	L2511944-07	11944-07	03/06/25 17:51
DUP_03042025	L2511944-08	11944-08	03/06/25 18:17

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Analysis Date**	: 03/06/25 00:49:00
Sample No	: WG2037122-3	**Lab File ID**	: ABN0305N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2037122-3	73068	6.37	265385	7.81	170121	9.57
Upper Limit	146136	6.87	530770	8.31	340242	10.07
Lower Limit	36534	5.87	132693	7.31	85061	9.07
Sample ID						
WG2037122-4 CCAL	68803	6.37	246463	7.81	148400	9.57
WG2037122-5 CCAL	71316	6.37	-	-	154260	9.57
WG2037072-1 BLANK	52463	6.37	194811	7.81	112180	9.57
WG2037072-2 LCS	56981	6.37	210435	7.81	124994	9.57
WG2037072-3 LCSD	49620	6.37	183802	7.81	107297	9.57
MW-11S	50434	6.37	189647	7.81	109673	9.57
MW-10S	46729	6.37	176353	7.81	101421	9.57
MW-10D	44182	6.37	159821	7.81	94258	9.57
MW-13S	48949	6.37	182702	7.81	107647	9.57
MW-13D	53178	6.37	199692	7.81	118595	9.57

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Analysis Date**	: 03/06/25 00:49:00
Sample No	: WG2037122-3	**Lab File ID**	: ABN0305N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2037122-3	330097	11.01	331360	13.64	342841	15.11
Upper Limit	660194	11.51	662720	14.14	685682	15.61
Lower Limit	165049	10.51	165680	13.14	171421	14.61
Sample ID						
WG2037122-4 CCAL	297709	11.01	-	-	-	-
WG2037122-5 CCAL	299241	11.01	-	-	-	-
WG2037072-1 BLANK	211106	11.01	199842	13.64	215388	15.10
WG2037072-2 LCS	235789	11.01	227798	13.64	251935	15.11
WG2037072-3 LCSD	205742	11.01	202484	13.64	222006	15.11
MW-11S	210371	11.01	209678	13.64	220886	15.11
MW-10S	200242	11.01	192067	13.64	202721	15.11
MW-10D	175830	11.01	173389	13.64	185598	15.11
MW-13S	204576	11.01	200944	13.64	213122	15.11
MW-13D	228253	11.01	228888	13.64	238334	15.11

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV107	**Analysis Date**	: 03/06/25 10:28:00
Sample No	: WG2037390-3	**Lab File ID**	: ABN0306

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2037390-3	108838	6.22	393987	7.66	252029	9.42
Upper Limit	217676	6.72	787974	8.16	504058	9.92
Lower Limit	54419	5.72	196994	7.16	126015	8.92
Sample ID						
WG2037390-4 CCAL	113507	6.22	398927	7.66	250800	9.42
WG2037390-5 CCAL	112809	6.22	-	-	259991	9.42
MW-1SR MS	80215	6.22	277564	7.66	179965	9.42
MW-1SR MSD	82973	6.22	290572	7.66	180213	9.42
MW-1SR	66752	6.22	233415	7.66	146475	9.42
MW-10R2	67844	6.22	241810	7.66	157504	9.42
DUP_03042025	65018	6.22	230159	7.66	145867	9.42

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV107	**Analysis Date**	: 03/06/25 10:28:00
Sample No	: WG2037390-3	**Lab File ID**	: ABN0306

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2037390-3	522063	10.86	526142	13.47	513357	14.94
Upper Limit	1044126	11.36	1052284	13.97	1026714	15.44
Lower Limit	261032	10.36	263071	12.97	256679	14.44
Sample ID						
WG2037390-4 CCAL	518264	10.86	-	-	-	-
WG2037390-5 CCAL	543463	10.86	-	-	-	-
MW-1SR MS	378894	10.86	344210	13.47	349493	14.92
MW-1SR MSD	373079	10.86	351239	13.47	361383	14.93
MW-1SR	318955	10.86	290405	13.47	291169	14.94
MW-10R2	338223	10.86	311016	13.47	305966	14.93
DUP_03042025	309802	10.86	287909	13.47	286619	14.94

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: DAKOTA	**Analysis Date**	: 03/10/25 20:44:00
Sample No	: WG2038779-3	**Lab File ID**	: ABN0310N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2038779-3	27477	4.34	102381	5.58	74281	7.28
Upper Limit	54954	4.84	204762	6.08	148562	7.78
Lower Limit	13739	3.84	51191	5.08	37141	6.78
Sample ID						
WG2038779-4 CCAL	31522	4.34	117255	5.58	80847	7.27
WG2038779-5 CCAL	28785	4.35	-	-	72248	7.28
WG2038540-1 BLANK	27184	4.34	94866	5.58	62891	7.28
WG2038540-2 LCS	25534	4.34	92480	5.58	63830	7.28
WG2038540-3 LCSD	28789	4.34	105007	5.58	71016	7.28
EQUIPMENT BLANK	25296	4.34	88782	5.58	60504	7.28

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: DAKOTA	**Analysis Date**	: 03/10/25 20:44:00
Sample No	: WG2038779-3	**Lab File ID**	: ABN0310N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2038779-3	169879	8.69	213117	11.28	251655	12.70
Upper Limit	339758	9.19	426234	11.78	503310	13.20
Lower Limit	84940	8.19	106559	10.78	125828	12.20
Sample ID						
WG2038779-4 CCAL	188147	8.69	-	-	-	-
WG2038779-5 CCAL	176444	8.70	-	-	-	-
WG2038540-1 BLANK	149190	8.69	187198	11.28	229367	12.71
WG2038540-2 LCS	148276	8.69	183809	11.28	227329	12.71
WG2038540-3 LCSD	162062	8.69	202896	11.28	247544	12.71
EQUIPMENT BLANK	137420	8.69	170391	11.28	207761	12.71

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

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

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

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 the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1

ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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 the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

ABN Extractables - EPA 8270E (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		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
Benzidine	92-87-5	551.1	181.028	ug/kg	10-66	50	10-66	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Azobenzene	122-66-7	167	16.032	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			

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 the laboratory

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
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ABN Extractables - EPA 8270E (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		
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
Aniline	62-53-3	200.4	78.824	ug/kg	40-140	50	40-140	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
1-Methylnaphthalene	90-12-0	167	19.372	ug/kg	26-130	50	26-130	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
n-Nitrosodimethylamine	62-75-9	334	32.064	ug/kg	22-100	50	22-100	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
Pyridine	110-86-1	180.36	63.46	ug/kg	10-93	50	10-93	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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 the laboratory

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 08:16
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-01	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.9	3.0	1.4	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 08:16
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-01	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 10:38
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 10:38
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:26
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-03	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:26
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-03	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:49
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-04	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.4	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:49
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-04	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 12:13
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-05	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.7	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 12:13
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-05	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:26
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-06	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.6	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:26
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-06	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:51
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-07	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.2	3.0	1.4	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:51
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-07	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	0.72	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 18:17
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-08	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 18:17
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-08	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV107
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/11/25 00:29
Sample Matrix	: Equipment Blank	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-09	**Analyst**	: LJG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/11/25 00:29
Sample Matrix	: Equipment Blank	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 11944-09	**Analyst**	: LJG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037072-1	**Date Collected**	: NA
Client ID	: WG2037072-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 02:23
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 037072-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.6	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037072-1	**Date Collected**	: NA
Client ID	: WG2037072-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 02:23
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 037072-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038540-1	**Date Collected**	: NA
Client ID	: WG2038540-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 22:37
Sample Matrix	: WATER	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 038441-1	**Analyst**	: LJG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038540-1	**Date Collected**	: NA
Client ID	: WG2038540-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 22:37
Sample Matrix	: WATER	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 038441-1	**Analyst**	: LJG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-01.D
Acq On : 6 Mar 2025 8:16 am
Operator : SV106:smz
Sample : L2511944-01,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 06 15:12:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.372	152	50434	4.000 ug/ml	0.00
Standard Area 1 = 73068			Recovery = 69.02%		
27) IS2_1,4-Dichlorobenzen...	6.372	152	50434	4.000 ug/ml	0.00
Standard Area 3 = 68803			Recovery = 73.30%		
35) IS1_Naphthalene-d8	7.807	136	189647	4.000 ug/ml	# 0.00
Standard Area 1 = 265385			Recovery = 71.46%		
55) IS2_Naphthalene-d8	7.807	136	189647	4.000 ug/ml	# 0.00
Standard Area 3 = 246463			Recovery = 76.95%		
63) IS1_Acenaphthene-d10	9.572	164	109673	4.000 ug/ml	0.00
Standard Area 1 = 170121			Recovery = 64.47%		
83) IS2_Acenaphthene-d10	9.572	164	109673	4.000 ug/ml	0.00
Standard Area 3 = 148400			Recovery = 73.90%		
86) IS3_Acenaphthene-d10	9.572	164	109673	4.000 ug/ml	0.00
Standard Area 2 = 154260			Recovery = 71.10%		
88) IS1_Phenanthrene-d10	11.007	188	210371	4.000 ug/ml	# 0.00
Standard Area 1 = 330097			Recovery = 63.73%		
100) IS3_Phenanthrene-d10	11.007	188	210371	4.000 ug/ml	# 0.00
Standard Area 2 = 299241			Recovery = 70.30%		
104) IS1_Chrysene-d12	13.642	240	209678	4.000 ug/ml	0.00
Standard Area 1 = 331360			Recovery = 63.28%		
113) IS1_Perylene-d12	15.107	264	220886	4.000 ug/ml	0.00
Standard Area 1 = 342841			Recovery = 64.43%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.407	112	8091	0.516 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.80%		
7) Phenol-d6	6.007	99	10218	0.541 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.05%		
19) Nitrobenzene-d5	7.037	82	12779	0.746 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.60%		
46) 2-Fluorobiphenyl	8.931	172	29507	0.672 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.20%		
79) 2,4,6-Tribromophenol	10.336	330	4842	0.780 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.00%		
96) 4-Terphenyl-d14	12.595	244	52140	0.924 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.40%		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-01.D
Acq On : 6 Mar 2025 8:16 am
Operator : SV106:smz
Sample : L2511944-01,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 06 15:12:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-01.D
Acq On : 6 Mar 2025 8:16 am
Operator : SV106:smz
Sample : L2511944-01,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 06 15:12:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	11.642	149	5293	0.076	ug/ml#	79
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	16861	0.388	ug/ml#	92
109) Di-n-octylphthalate	0.000		0	N.D. d		

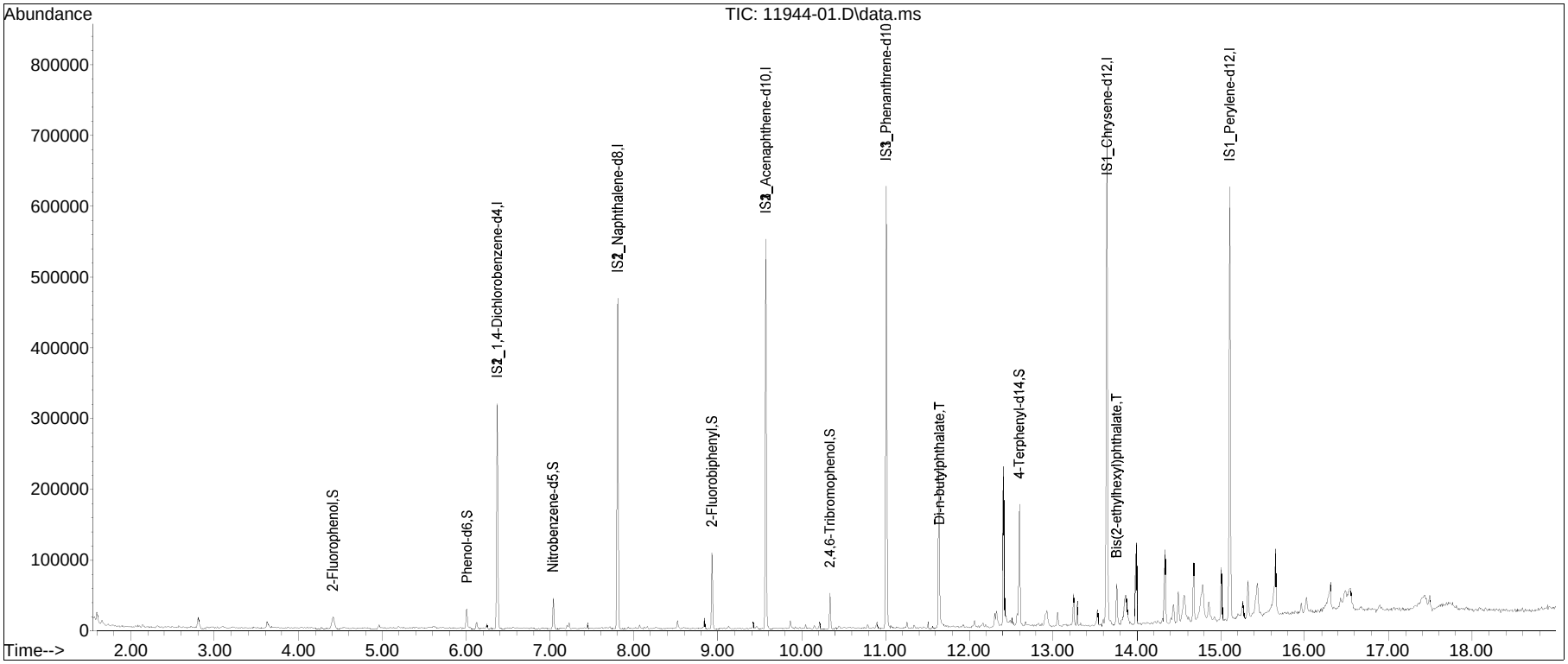
(#) = qualifier out of range (m) = manual integration (+) = signals summed

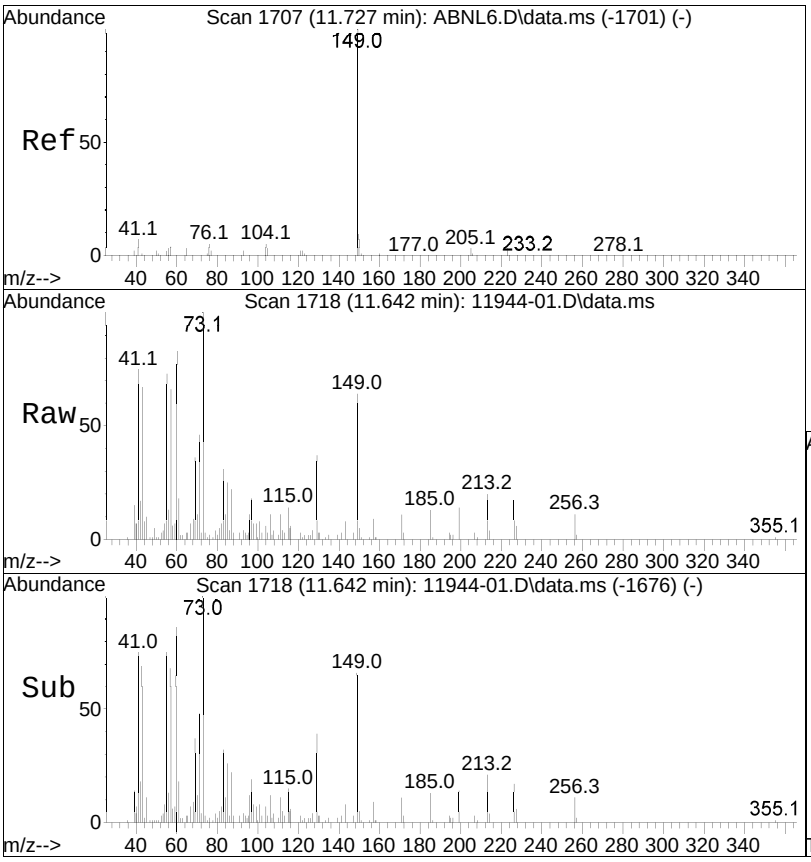
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-01.D
Acq On : 6 Mar 2025 8:16 am
Operator : SV106:smz
Sample : L2511944-01,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 06 15:12:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP90305n.D•

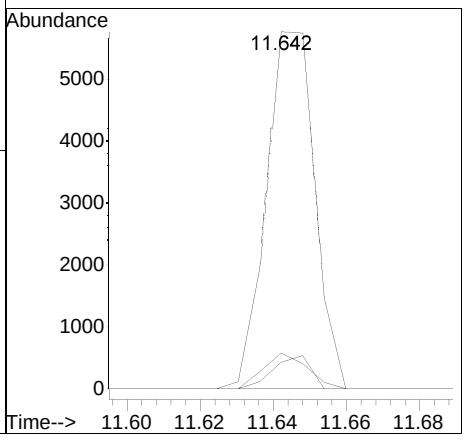


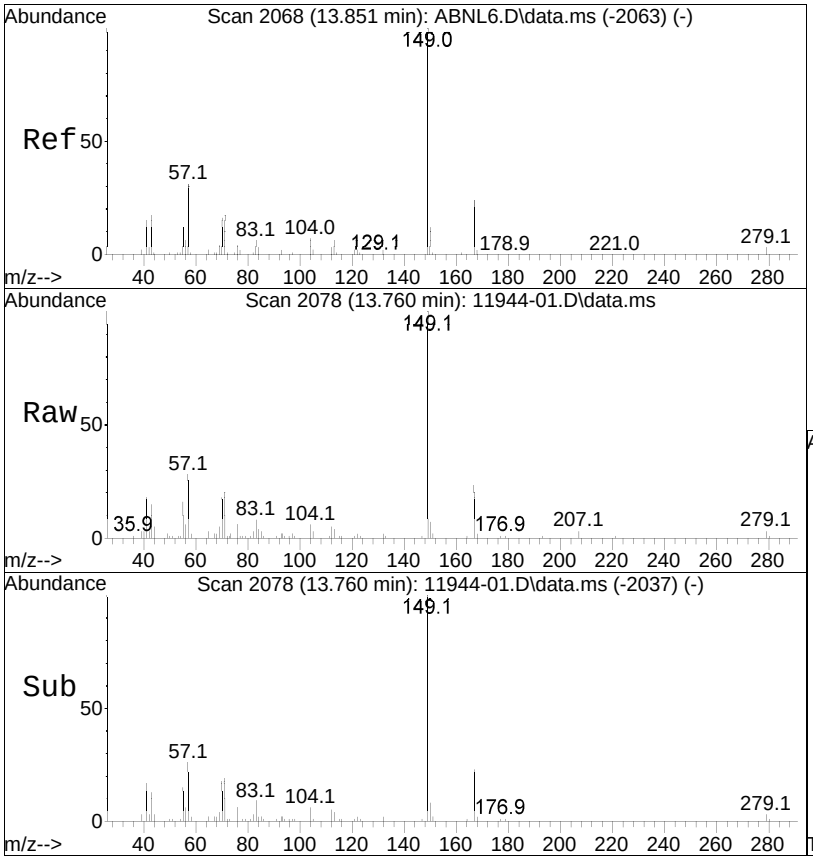


#92
Di-n-butylphthalate
Concen: 0.08 ug/ml
RT: 11.642 min Scan# 1718
Delta R.T. -0.006 min
Lab File: 11944-01.D
Acq: 6 Mar 2025 8:16 am

Tgt Ion:149 Resp: 5293

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#

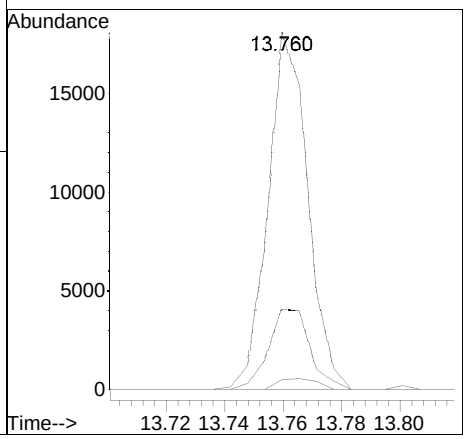




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.39 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 11944-01.D
Acq: 6 Mar 2025 8:16 am

Tgt Ion:149 Resp: 16861

Ion	Ratio	Lower	Upper
149	100		
167	23.7	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 11944-01.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 8:16 am	Instrument	: SV 106
Sample	: L2511944-01,32,,ASK	Quant Date	: 3/6/2025 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-02.D
Acq On : 6 Mar 2025 10:38 am
Operator : SV106:smz
Sample : L2511944-02,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 06 15:13:16 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.372	152	46729	4.000	ug/ml	0.00
Standard Area 1 = 73068			Recovery = 63.95%			
27) IS2_1,4-Dichlorobenzen...	6.372	152	46729	4.000	ug/ml	0.00
Standard Area 3 = 68803			Recovery = 67.92%			
35) IS1_Naphthalene-d8	7.807	136	176353	4.000	ug/ml	# 0.00
Standard Area 1 = 265385			Recovery = 66.45%			
55) IS2_Naphthalene-d8	7.807	136	176353	4.000	ug/ml	# 0.00
Standard Area 3 = 246463			Recovery = 71.55%			
63) IS1_Acenaphthene-d10	9.572	164	101421	4.000	ug/ml	0.00
Standard Area 1 = 170121			Recovery = 59.62%			
83) IS2_Acenaphthene-d10	9.572	164	101421	4.000	ug/ml	0.00
Standard Area 3 = 148400			Recovery = 68.34%			
86) IS3_Acenaphthene-d10	9.572	164	101421	4.000	ug/ml	0.00
Standard Area 2 = 154260			Recovery = 65.75%			
88) IS1_Phenanthrene-d10	11.007	188	200242	4.000	ug/ml	# 0.00
Standard Area 1 = 330097			Recovery = 60.66%			
100) IS3_Phenanthrene-d10	11.007	188	200242	4.000	ug/ml	# 0.00
Standard Area 2 = 299241			Recovery = 66.92%			
104) IS1_Chrysene-d12	13.642	240	192067	4.000	ug/ml	0.00
Standard Area 1 = 331360			Recovery = 57.96%			
113) IS1_Perylene-d12	15.107	264	202721	4.000	ug/ml	0.00
Standard Area 1 = 342841			Recovery = 59.13%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.407	112	13496	0.928	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.40%			
7) Phenol-d6	6.007	99	13522	0.773	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.65%			
19) Nitrobenzene-d5	7.037	82	18021	1.135	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 113.50%			
46) 2-Fluorobiphenyl	8.931	172	38004	0.931	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 93.10%			
79) 2,4,6-Tribromophenol	10.336	330	7530	1.312	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 65.60%			
96) 4-Terphenyl-d14	12.595	244	53846	1.002	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 100.20%			

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-02.D
Acq On : 6 Mar 2025 10:38 am
Operator : SV106:smz
Sample : L2511944-02,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 06 15:13:16 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-02.D
Acq On : 6 Mar 2025 10:38 am
Operator : SV106:smz
Sample : L2511944-02,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 06 15:13:16 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	3200	0.080	ug/ml#	93
109) Di-n-octylphthalate	0.000		0	N.D.	d	

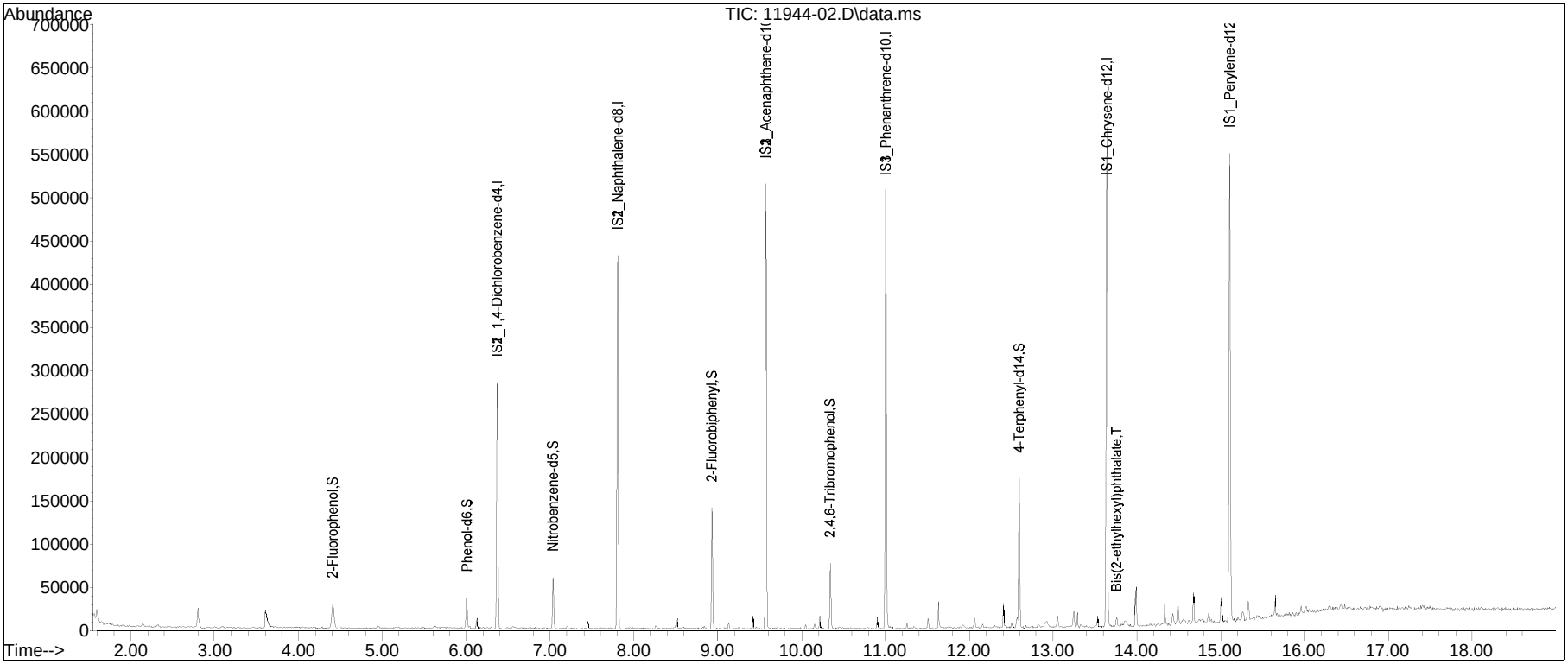
(#) = qualifier out of range (m) = manual integration (+) = signals summed

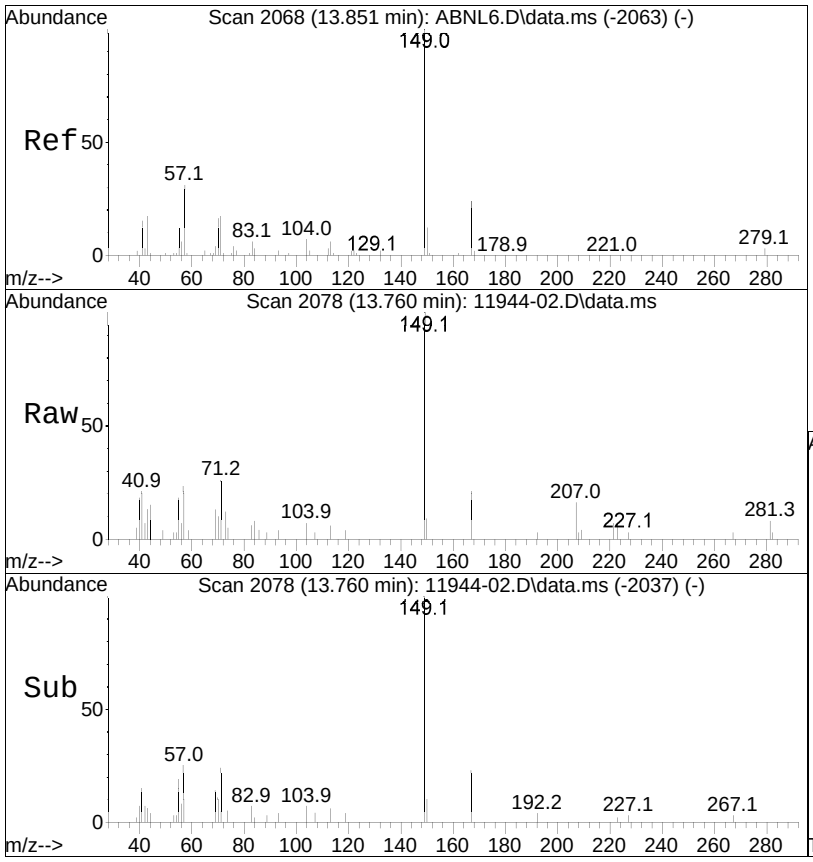
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-02.D
Acq On : 6 Mar 2025 10:38 am
Operator : SV106:smz
Sample : L2511944-02,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 06 15:13:16 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP90305n.D•

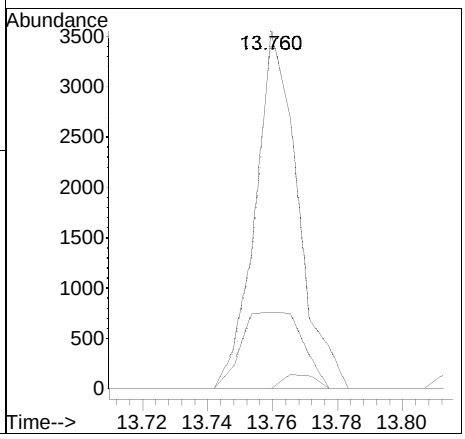




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.08 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 11944-02.D
Acq: 6 Mar 2025 10:38 am

Tgt Ion:149 Resp: 3200

Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 11944-02.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 10:38 am	Instrument	: SV 106
Sample	: L2511944-02,32,,ASK	Quant Date	: 3/6/2025 10:58 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-03.D
Acq On : 6 Mar 2025 11:26 am
Operator : SV106:smz
Sample : L2511944-03,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 06 15:13:35 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.372	152	44182	4.000	ug/ml	0.00
Standard Area 1 = 73068			Recovery = 60.47%			
27) IS2_1,4-Dichlorobenzen...	6.372	152	44182	4.000	ug/ml	0.00
Standard Area 3 = 68803			Recovery = 64.22%			
35) IS1_Naphthalene-d8	7.807	136	159821	4.000	ug/ml	# 0.00
Standard Area 1 = 265385			Recovery = 60.22%			
55) IS2_Naphthalene-d8	7.807	136	159821	4.000	ug/ml	# 0.00
Standard Area 3 = 246463			Recovery = 64.85%			
63) IS1_Acenaphthene-d10	9.572	164	94258	4.000	ug/ml	0.00
Standard Area 1 = 170121			Recovery = 55.41%			
83) IS2_Acenaphthene-d10	9.572	164	94258	4.000	ug/ml	0.00
Standard Area 3 = 148400			Recovery = 63.52%			
86) IS3_Acenaphthene-d10	9.572	164	94258	4.000	ug/ml	0.00
Standard Area 2 = 154260			Recovery = 61.10%			
88) IS1_Phenanthrene-d10	11.007	188	175830	4.000	ug/ml	# 0.00
Standard Area 1 = 330097			Recovery = 53.27%			
100) IS3_Phenanthrene-d10	11.007	188	175830	4.000	ug/ml	# 0.00
Standard Area 2 = 299241			Recovery = 58.76%			
104) IS1_Chrysene-d12	13.642	240	173389	4.000	ug/ml	0.00
Standard Area 1 = 331360			Recovery = 52.33%			
113) IS1_Perylene-d12	15.107	264	185598	4.000	ug/ml	0.00
Standard Area 1 = 342841			Recovery = 54.14%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.413	112	18687	1.359	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 67.95%			
7) Phenol-d6	6.007	99	16576	1.002	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.10%			
19) Nitrobenzene-d5	7.037	82	18406	1.226	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 122.60%			
46) 2-Fluorobiphenyl	8.931	172	41609	1.125	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 112.50%			
79) 2,4,6-Tribromophenol	10.336	330	10448	1.959	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 97.95%			
96) 4-Terphenyl-d14	12.595	244	55923	1.185	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 118.50%			

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-03.D
Acq On : 6 Mar 2025 11:26 am
Operator : SV106:smz
Sample : L2511944-03,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 06 15:13:35 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-03.D
Acq On : 6 Mar 2025 11:26 am
Operator : SV106:smz
Sample : L2511944-03,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 06 15:13:35 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D. d		
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	2455	0.068	ug/ml#	86
109) Di-n-octylphthalate	0.000		0	N.D. d		

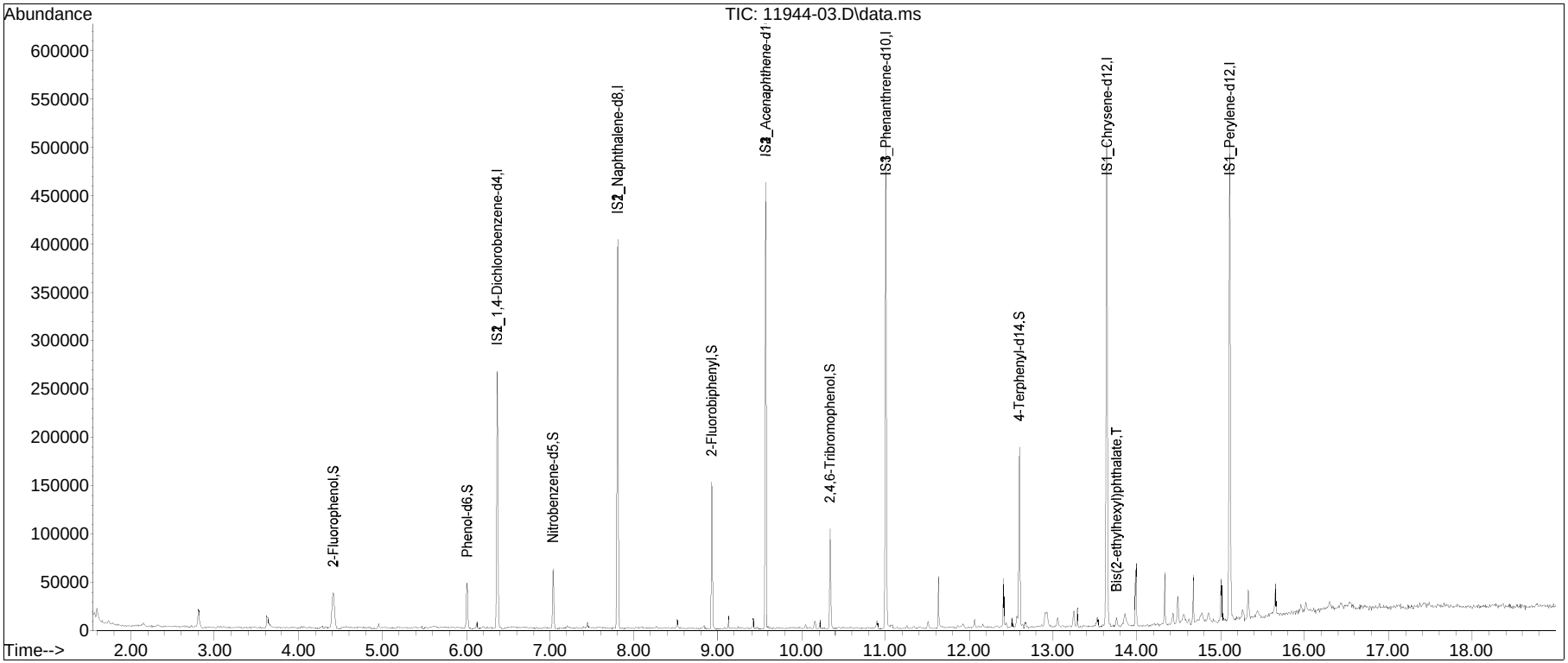
(#) = qualifier out of range (m) = manual integration (+) = signals summed

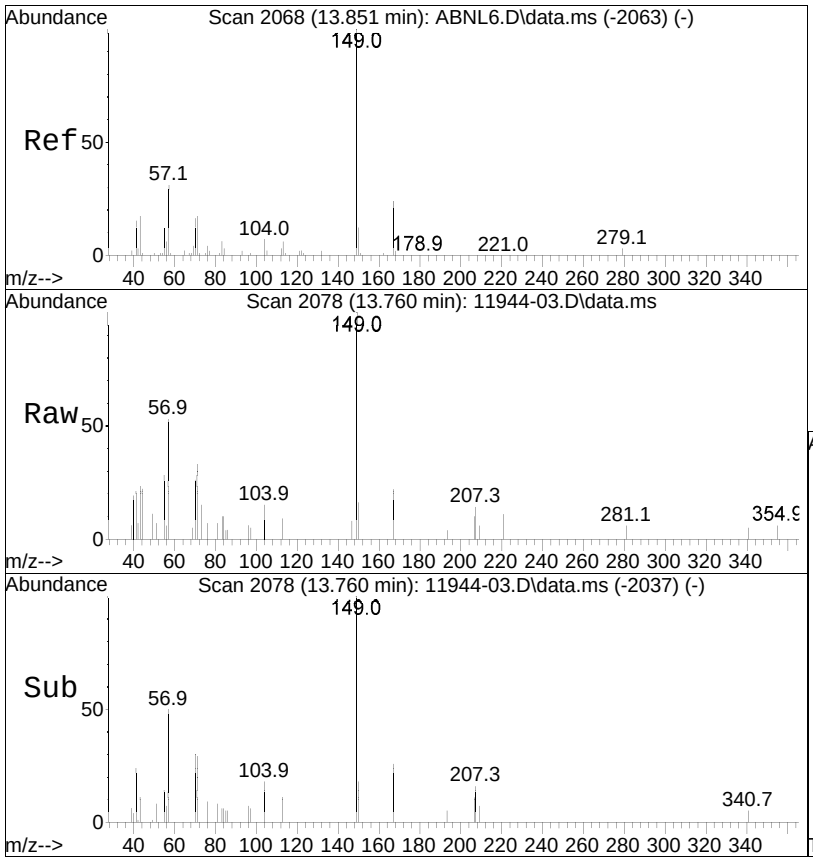
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-03.D
Acq On : 6 Mar 2025 11:26 am
Operator : SV106:smz
Sample : L2511944-03,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 06 15:13:35 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP90305n.D•

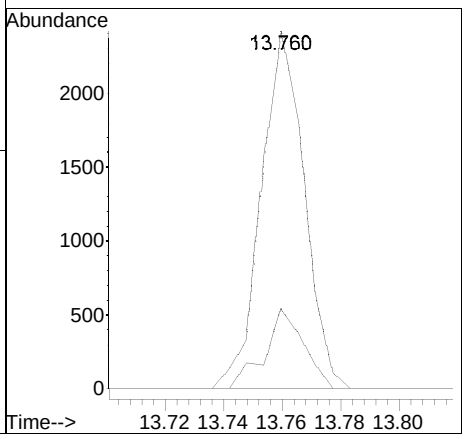




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.07 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 11944-03.D
Acq: 6 Mar 2025 11:26 am

Tgt Ion:149 Resp: 2455

Ion	Ratio	Lower	Upper
149	100		
167	20.4	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 11944-03.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 11:26 am	Instrument	: SV 106
Sample	: L2511944-03,32,,ASK	Quant Date	: 3/6/2025 11:45 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-04.D
Acq On : 6 Mar 2025 11:49 am
Operator : SV106:smz
Sample : L2511944-04,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 06 15:14:09 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.372	152	48949	4.000 ug/ml	0.00
Standard Area 1 = 73068			Recovery = 66.99%		
27) IS2_1,4-Dichlorobenzen...	6.372	152	48949	4.000 ug/ml	0.00
Standard Area 3 = 68803			Recovery = 71.14%		
35) IS1_Naphthalene-d8	7.807	136	182702	4.000 ug/ml	# 0.00
Standard Area 1 = 265385			Recovery = 68.84%		
55) IS2_Naphthalene-d8	7.807	136	182702	4.000 ug/ml	# 0.00
Standard Area 3 = 246463			Recovery = 74.13%		
63) IS1_Acenaphthene-d10	9.572	164	107647	4.000 ug/ml	0.00
Standard Area 1 = 170121			Recovery = 63.28%		
83) IS2_Acenaphthene-d10	9.572	164	107647	4.000 ug/ml	0.00
Standard Area 3 = 148400			Recovery = 72.54%		
86) IS3_Acenaphthene-d10	9.572	164	107647	4.000 ug/ml	0.00
Standard Area 2 = 154260			Recovery = 69.78%		
88) IS1_Phenanthrene-d10	11.007	188	204576	4.000 ug/ml	# 0.00
Standard Area 1 = 330097			Recovery = 61.97%		
100) IS3_Phenanthrene-d10	11.007	188	204576	4.000 ug/ml	# 0.00
Standard Area 2 = 299241			Recovery = 68.36%		
104) IS1_Chrysene-d12	13.642	240	200944	4.000 ug/ml	0.00
Standard Area 1 = 331360			Recovery = 60.64%		
113) IS1_Perylene-d12	15.106	264	213122	4.000 ug/ml	0.00
Standard Area 1 = 342841			Recovery = 62.16%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.419	112	21517	1.413 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.65%		
7) Phenol-d6	6.007	99	18954	1.034 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.70%		
19) Nitrobenzene-d5	7.036	82	22016	1.324 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 132.40%#		
46) 2-Fluorobiphenyl	8.930	172	45110	1.067 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 106.70%		
79) 2,4,6-Tribromophenol	10.336	330	11835	1.943 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 97.15%		
96) 4-Terphenyl-d14	12.595	244	62763	1.143 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 114.30%		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-04.D
Acq On : 6 Mar 2025 11:49 am
Operator : SV106:smz
Sample : L2511944-04,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 06 15:14:09 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.	d	
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.	d	
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-04.D
Acq On : 6 Mar 2025 11:49 am
Operator : SV106:smz
Sample : L2511944-04,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 06 15:14:09 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	11.642	149	4785	0.071	ug/ml#	79
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	5737	0.138	ug/ml#	96
109) Di-n-octylphthalate	0.000		0	N.D.	d	

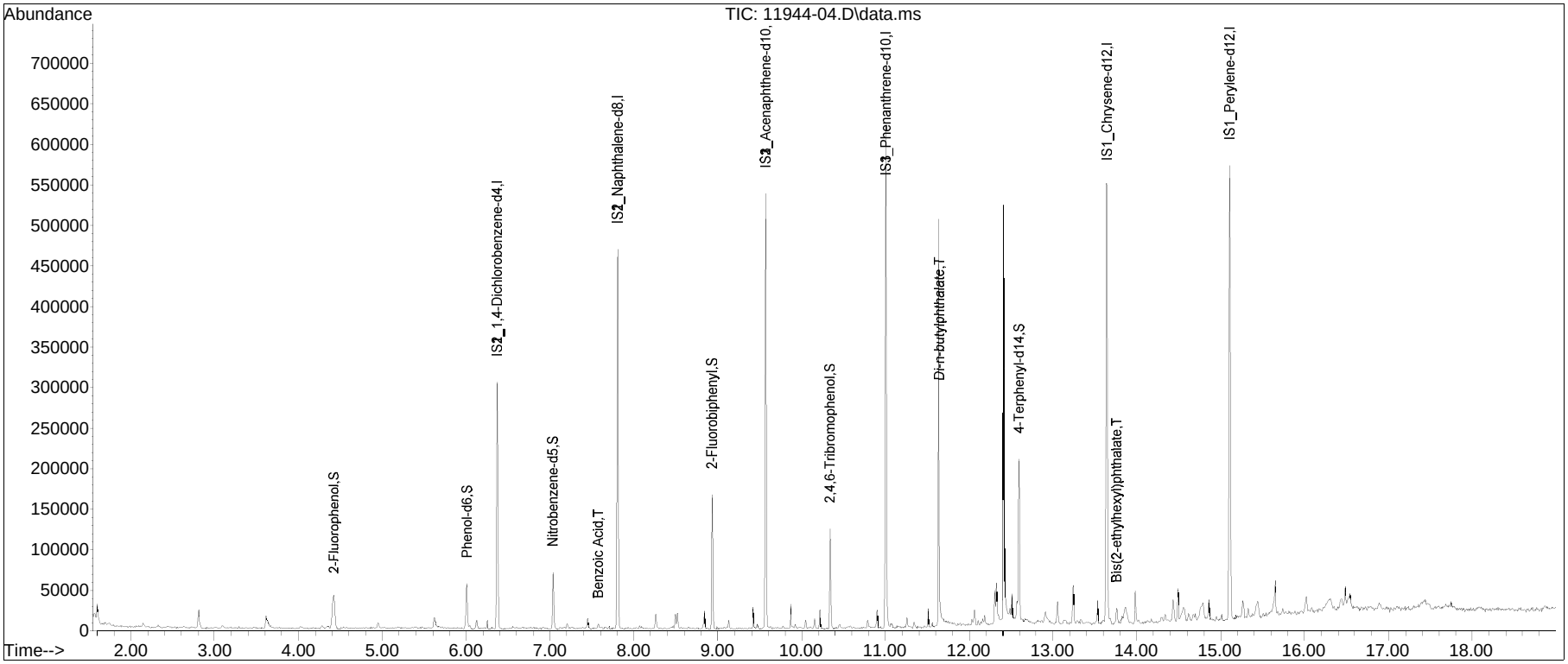
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

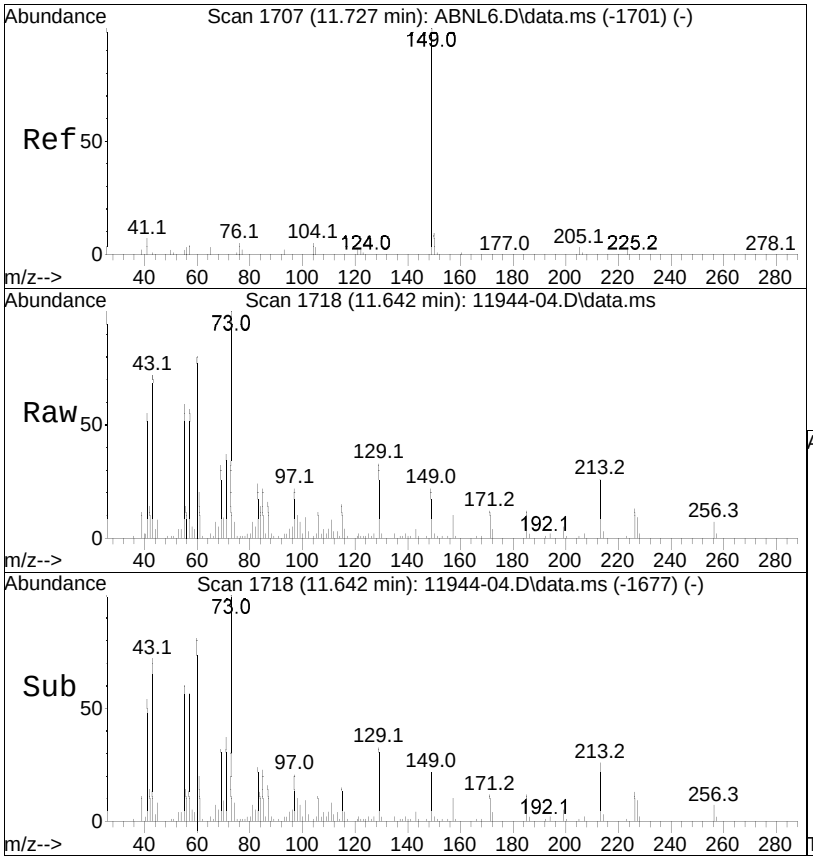
Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-04.D
Acq On : 6 Mar 2025 11:49 am
Operator : SV106:smz
Sample : L2511944-04,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 06 15:14:09 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP90305n.D•



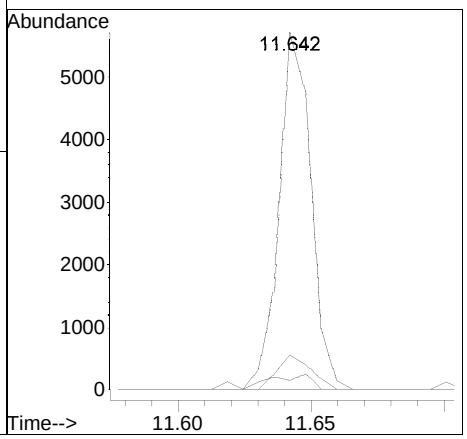
FS241009SV106.m Thu Mar 06 15:16:27 2025 Page: 4

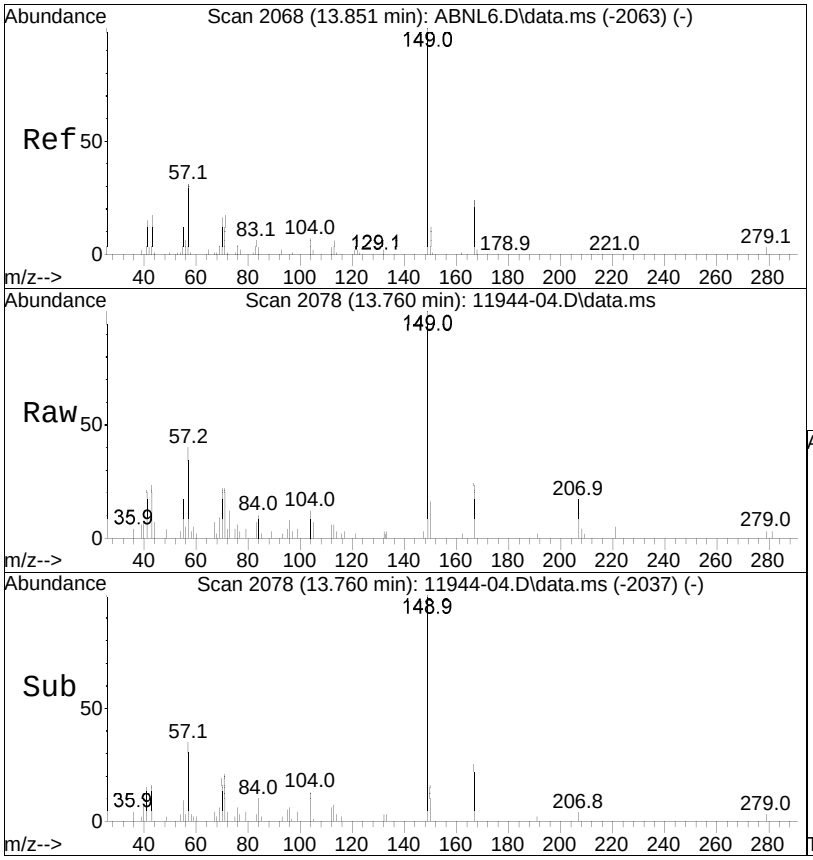


#92
Di-n-butylphthalate
Concen: 0.07 ug/ml
RT: 11.642 min Scan# 1718
Delta R.T. -0.006 min
Lab File: 11944-04.D
Acq: 6 Mar 2025 11:49 am

Tgt Ion:149 Resp: 4785

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#

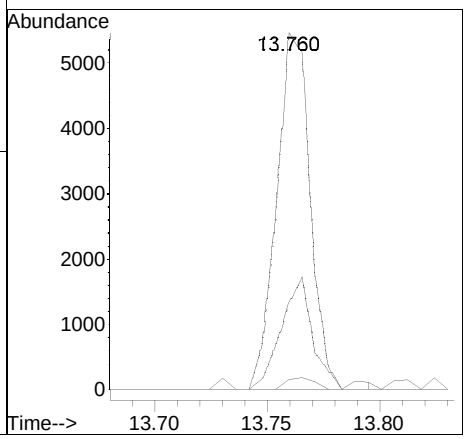




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.14 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 11944-04.D
Acq: 6 Mar 2025 11:49 am

Tgt Ion:149 Resp: 5737

Ion	Ratio	Lower	Upper
149	100		
167	29.0	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 11944-04.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 11:49 am	Instrument	: SV 106
Sample	: L2511944-04,32,,ASK	Quant Date	: 3/6/2025 12:09 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-05.D
Acq On : 6 Mar 2025 12:13 pm
Operator : SV106:smz
Sample : L2511944-05,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 06 15:14:44 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.372	152	53178	4.000 ug/ml	0.00
Standard Area 1 = 73068			Recovery = 72.78%		
27) IS2_1,4-Dichlorobenzen...	6.372	152	53178	4.000 ug/ml	0.00
Standard Area 3 = 68803			Recovery = 77.29%		
35) IS1_Naphthalene-d8	7.807	136	199692	4.000 ug/ml	# 0.00
Standard Area 1 = 265385			Recovery = 75.25%		
55) IS2_Naphthalene-d8	7.807	136	199692	4.000 ug/ml	# 0.00
Standard Area 3 = 246463			Recovery = 81.02%		
63) IS1_Acenaphthene-d10	9.572	164	118595	4.000 ug/ml	0.00
Standard Area 1 = 170121			Recovery = 69.71%		
83) IS2_Acenaphthene-d10	9.572	164	118595	4.000 ug/ml	0.00
Standard Area 3 = 148400			Recovery = 79.92%		
86) IS3_Acenaphthene-d10	9.572	164	118595	4.000 ug/ml	0.00
Standard Area 2 = 154260			Recovery = 76.88%		
88) IS1_Phenanthrene-d10	11.007	188	228253	4.000 ug/ml	# 0.00
Standard Area 1 = 330097			Recovery = 69.15%		
100) IS3_Phenanthrene-d10	11.007	188	228253	4.000 ug/ml	# 0.00
Standard Area 2 = 299241			Recovery = 76.28%		
104) IS1_Chrysene-d12	13.642	240	228888	4.000 ug/ml	0.00
Standard Area 1 = 331360			Recovery = 69.08%		
113) IS1_Perylene-d12	15.106	264	238334	4.000 ug/ml	0.00
Standard Area 1 = 342841			Recovery = 69.52%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.407	112	15172	0.917 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.85%		
7) Phenol-d6	6.007	99	16153	0.811 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 40.55%		
19) Nitrobenzene-d5	7.036	82	20051	1.110 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 111.00%		
46) 2-Fluorobiphenyl	8.930	172	42059	0.910 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 91.00%		
79) 2,4,6-Tribromophenol	10.336	330	7398	1.103 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 55.15%		
96) 4-Terphenyl-d14	12.595	244	58538	0.956 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 95.60%		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-05.D
Acq On : 6 Mar 2025 12:13 pm
Operator : SV106:smz
Sample : L2511944-05,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 06 15:14:44 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.	d	
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-05.D
Acq On : 6 Mar 2025 12:13 pm
Operator : SV106:smz
Sample : L2511944-05,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 06 15:14:44 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	7923	0.167	ug/ml#	95
109) Di-n-octylphthalate	0.000		0	N.D.	d	

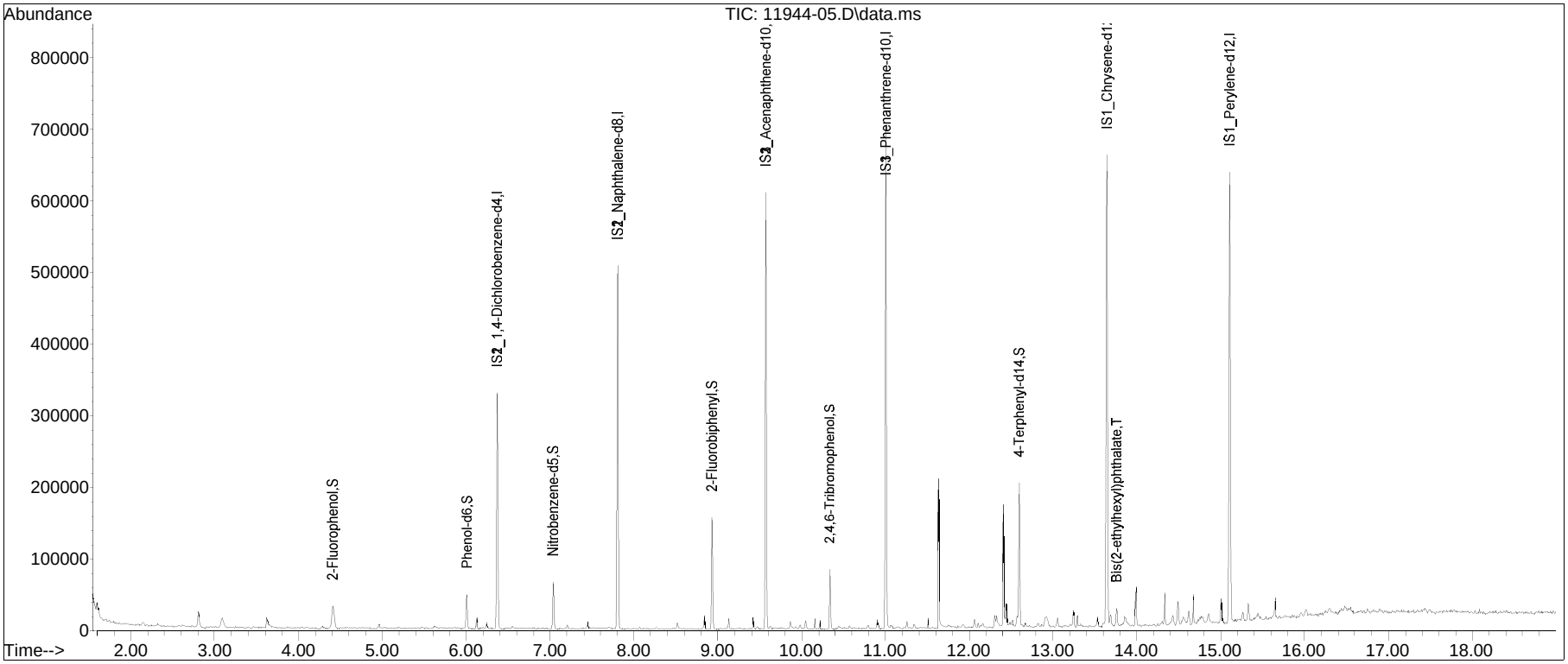
(#) = qualifier out of range (m) = manual integration (+) = signals summed

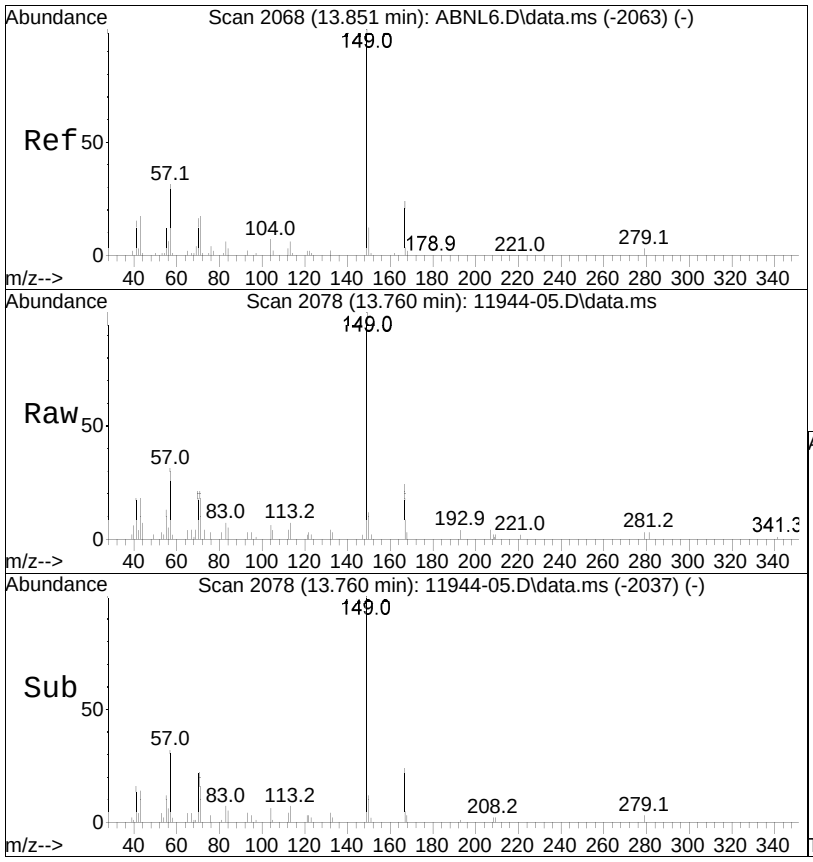
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 11944-05.D
Acq On : 6 Mar 2025 12:13 pm
Operator : SV106:smz
Sample : L2511944-05,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 06 15:14:44 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 09:24:08 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAP90305n.D•

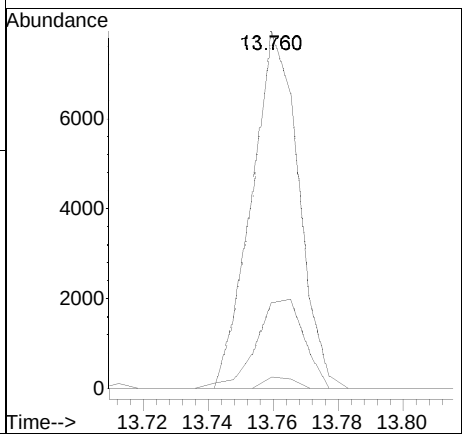




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.17 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 11944-05.D
Acq: 6 Mar 2025 12:13 pm

Tgt Ion:149 Resp: 7923

Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 11944-05.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 12:13 pm	Instrument	: SV 106
Sample	: L2511944-05,32,,ASK	Quant Date	: 3/6/2025 12:33 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-06.D
Acq On : 6 Mar 2025 5:26 pm
Operator : SV107:slr
Sample : L2511944-06,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 10:13:00 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.221	152	66752	4.000	ug/ml		0.00
Standard Area 1 = 108838			Recovery = 61.33%				
27) IS2_1,4-Dichlorobenzen...	6.221	152	66752	4.000	ug/ml		0.00
Standard Area 3 = 113507			Recovery = 58.81%				
35) IS1_Naphthalene-d8	7.660	136	233415	4.000	ug/ml		0.00
Standard Area 1 = 393987			Recovery = 59.24%				
55) IS2_Naphthalene-d8	7.660	136	233415	4.000	ug/ml		0.00
Standard Area 3 = 398927			Recovery = 58.51%				
63) IS1_Acenaphthene-d10	9.421	164	146475	4.000	ug/ml		0.00
Standard Area 1 = 252029			Recovery = 58.12%				
83) IS2_Acenaphthene-d10	9.421	164	146475	4.000	ug/ml		0.00
Standard Area 3 = 250800			Recovery = 58.40%				
86) IS3_Acenaphthene-d10	9.421	164	146475	4.000	ug/ml		0.00
Standard Area 2 = 259991			Recovery = 56.34%				
88) IS1_Phenanthrene-d10	10.859	188	318955	4.000	ug/ml		0.00
Standard Area 1 = 522063			Recovery = 61.10%				
100) IS3_Phenanthrene-d10	10.859	188	318955	4.000	ug/ml	#	0.00
Standard Area 2 = 543463			Recovery = 58.69%				
104) IS1_Chrysene-d12	13.473	240	290405	4.000	ug/ml	#	0.00
Standard Area 1 = 526142			Recovery = 55.20%				
113) IS1_Perylene-d12	14.935	264	291169	4.000	ug/ml		0.00
Standard Area 1 = 513357			Recovery = 56.72%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.185	112	24963	1.473	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 73.65%				
7) Phenol-d6	5.856	99	19347	0.937	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.85%				
19) Nitrobenzene-d5	6.901	82	21017	1.118	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 111.80%				
46) 2-Fluorobiphenyl	8.786	172	66795	1.166	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 116.60%				
79) 2,4,6-Tribromophenol	10.196	330	16219	2.200	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 110.00%#				
96) 4-Terphenyl-d14	12.436	244	94566	1.229	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 122.90%				

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-06.D
Acq On : 6 Mar 2025 5:26 pm
Operator : SV107:slr
Sample : L2511944-06,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 10:13:00 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.	d	
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-06.D
Acq On : 6 Mar 2025 5:26 pm
Operator : SV107:slr
Sample : L2511944-06,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 10:13:00 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.592	149	4646	0.264	ug/ml#	98
109) Di-n-octylphthalate	0.000		0	N.D.	d	

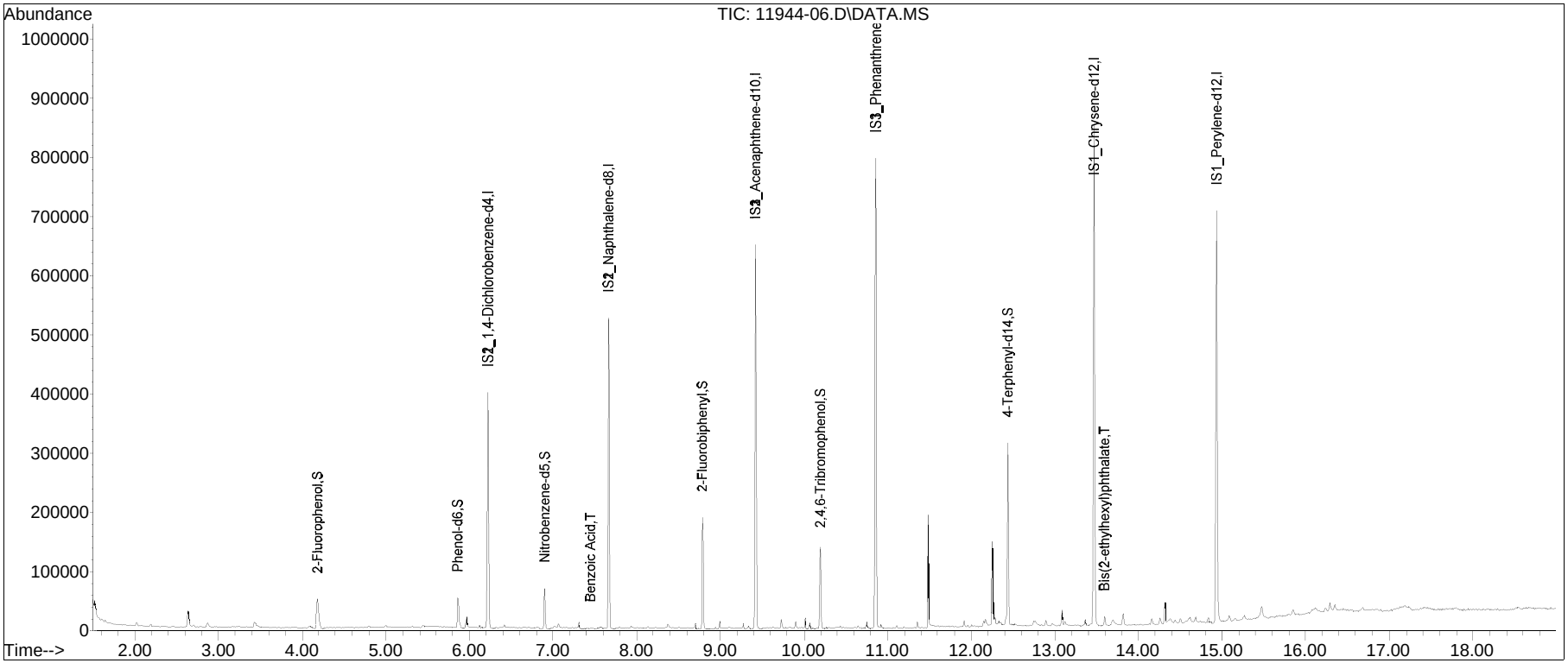
(#) = qualifier out of range (m) = manual integration (+) = signals summed

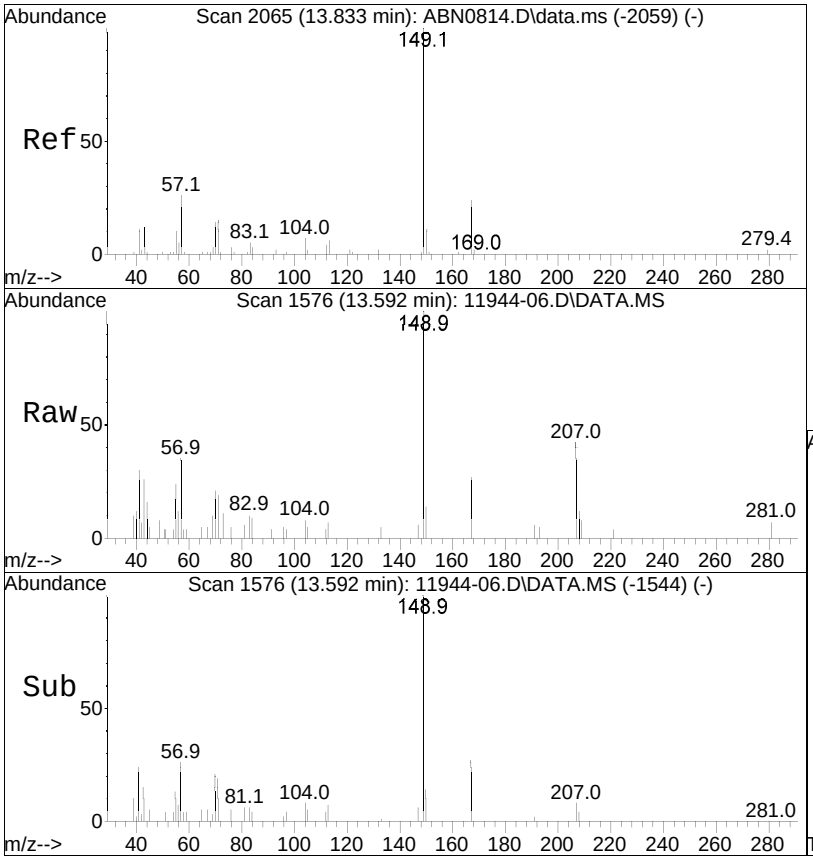
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-06.D
Acq On : 6 Mar 2025 5:26 pm
Operator : SV107:slr
Sample : L2511944-06,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 07 10:13:00 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90306.D•

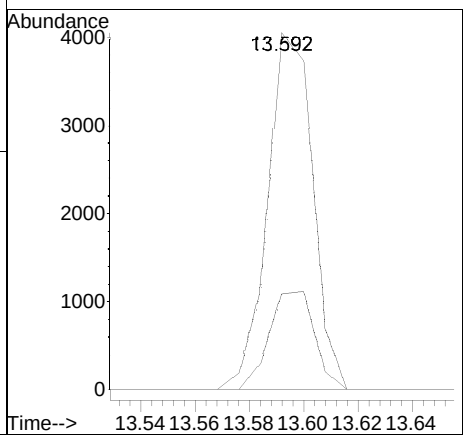




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.26 ug/ml
RT: 13.592 min Scan# 1576
Delta R.T. -0.000 min
Lab File: 11944-06.D
Acq: 6 Mar 2025 5:26 pm

Tgt Ion:149 Resp: 4646

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV107\250306RVT\	QMethod	: FS250303SV107RVT.m
Data File	: 11944-06.D	Operator	: SV107:slr
Date Inj'd	: 3/6/2025 5:26 pm	Instrument	: SV107
Sample	: L2511944-06,32,,gmr	Quant Date	: 3/6/2025 5:45 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-07.D
Acq On : 6 Mar 2025 5:51 pm
Operator : SV107:slr
Sample : L2511944-07,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 07 10:14:21 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.222	152	67844	4.000	ug/ml		0.00
Standard Area 1 = 108838			Recovery = 62.33%				
27) IS2_1,4-Dichlorobenzen...	6.222	152	67844	4.000	ug/ml		0.00
Standard Area 3 = 113507			Recovery = 59.77%				
35) IS1_Naphthalene-d8	7.660	136	241810	4.000	ug/ml		0.00
Standard Area 1 = 393987			Recovery = 61.38%				
55) IS2_Naphthalene-d8	7.660	136	241810	4.000	ug/ml		0.00
Standard Area 3 = 398927			Recovery = 60.62%				
63) IS1_Acenaphthene-d10	9.422	164	157504	4.000	ug/ml		0.00
Standard Area 1 = 252029			Recovery = 62.49%				
83) IS2_Acenaphthene-d10	9.422	164	157504	4.000	ug/ml		0.00
Standard Area 3 = 250800			Recovery = 62.80%				
86) IS3_Acenaphthene-d10	9.422	164	157504	4.000	ug/ml		0.00
Standard Area 2 = 259991			Recovery = 60.58%				
88) IS1_Phenanthrene-d10	10.859	188	338223	4.000	ug/ml		0.00
Standard Area 1 = 522063			Recovery = 64.79%				
100) IS3_Phenanthrene-d10	10.859	188	338223	4.000	ug/ml	#	0.00
Standard Area 2 = 543463			Recovery = 62.23%				
104) IS1_Chrysene-d12	13.474	240	311016	4.000	ug/ml	#	0.00
Standard Area 1 = 526142			Recovery = 59.11%				
113) IS1_Perylene-d12	14.927	264	305966	4.000	ug/ml		0.00
Standard Area 1 = 513357			Recovery = 59.60%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.186	112	22208	1.289	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.45%				
7) Phenol-d6	5.857	99	18794	0.895	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.75%				
19) Nitrobenzene-d5	6.902	82	18362	0.961	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 96.10%				
46) 2-Fluorobiphenyl	8.786	172	61779	1.041	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 104.10%				
79) 2,4,6-Tribromophenol	10.196	330	15368	1.938	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 96.90%				
96) 4-Terphenyl-d14	12.437	244	95532	1.171	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 117.10%				

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-07.D
Acq On : 6 Mar 2025 5:51 pm
Operator : SV107:slr
Sample : L2511944-07,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 07 10:14:21 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.874	94	1697	0.072	ug/ml#	22
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.	d	
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-07.D
Acq On : 6 Mar 2025 5:51 pm
Operator : SV107:slr
Sample : L2511944-07,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 07 10:14:21 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.592	149	8174	0.321	ug/ml#	93
109) Di-n-octylphthalate	0.000		0	N.D.	d	

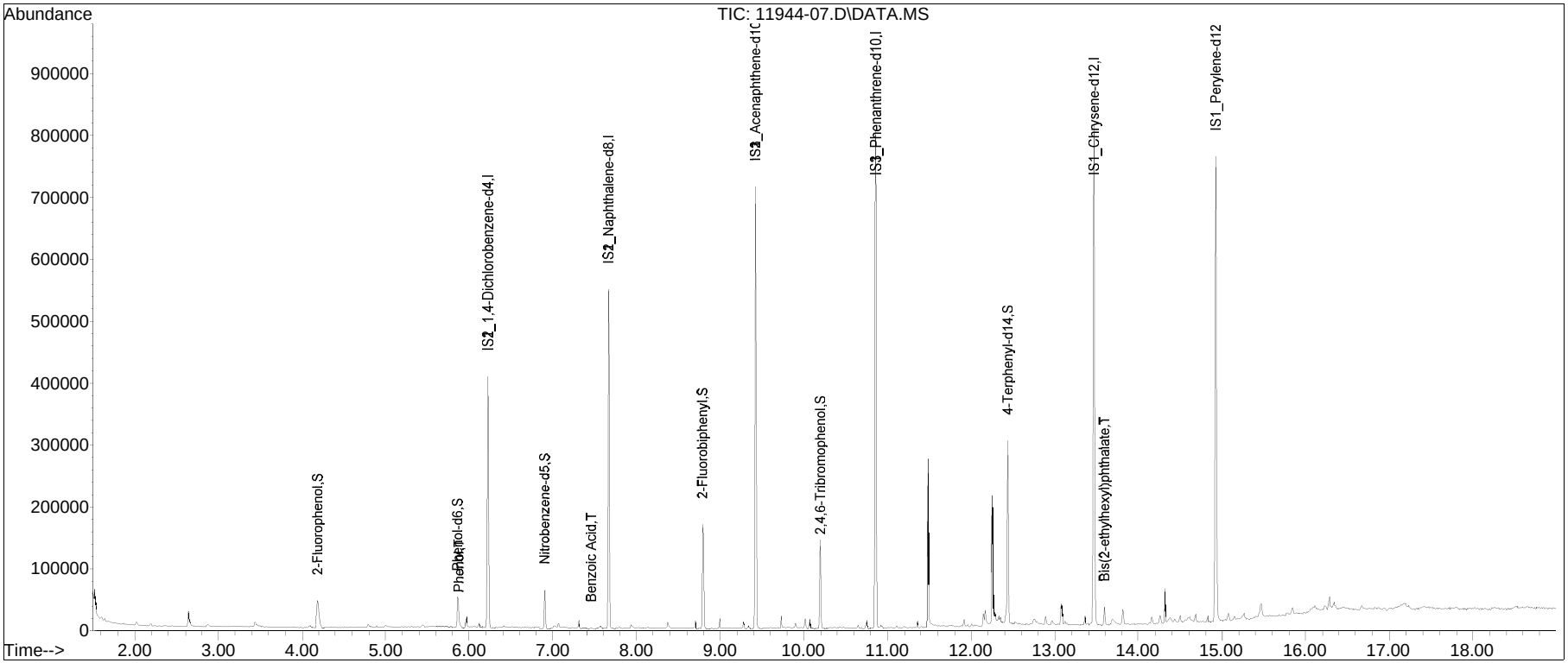
(#) = qualifier out of range (m) = manual integration (+) = signals summed

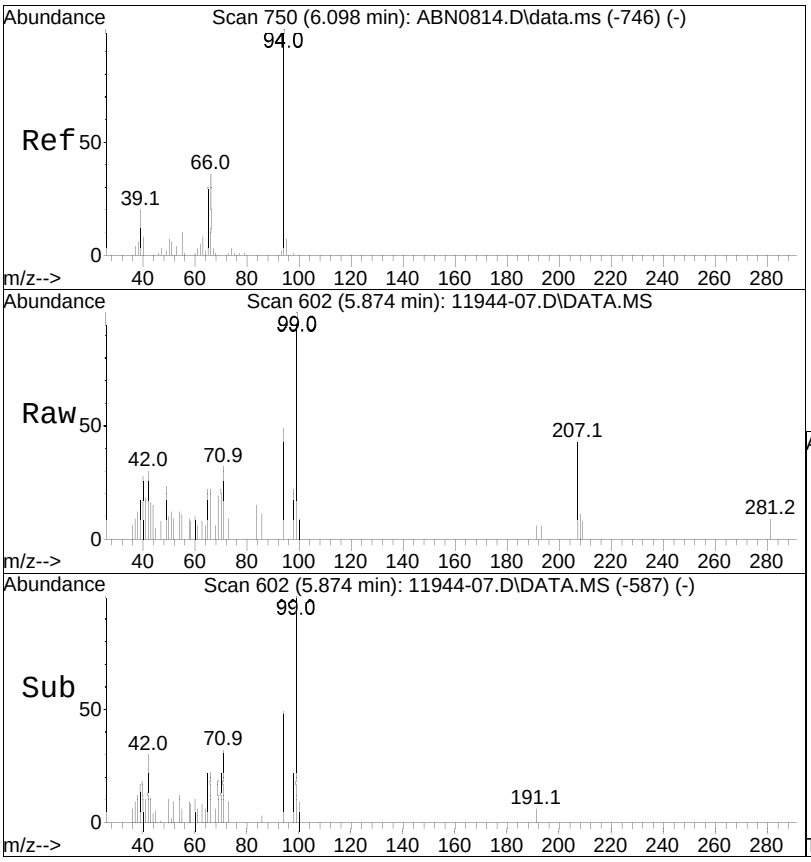
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-07.D
Acq On : 6 Mar 2025 5:51 pm
Operator : SV107:slr
Sample : L2511944-07,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 07 10:14:21 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90306.D•

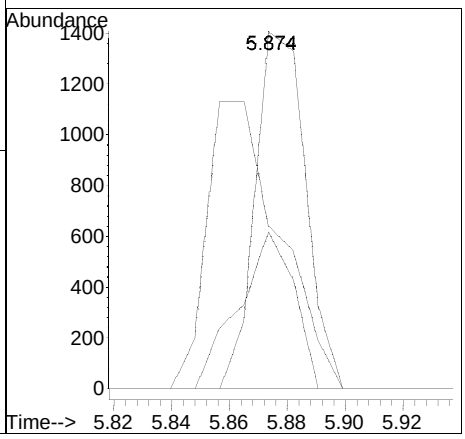


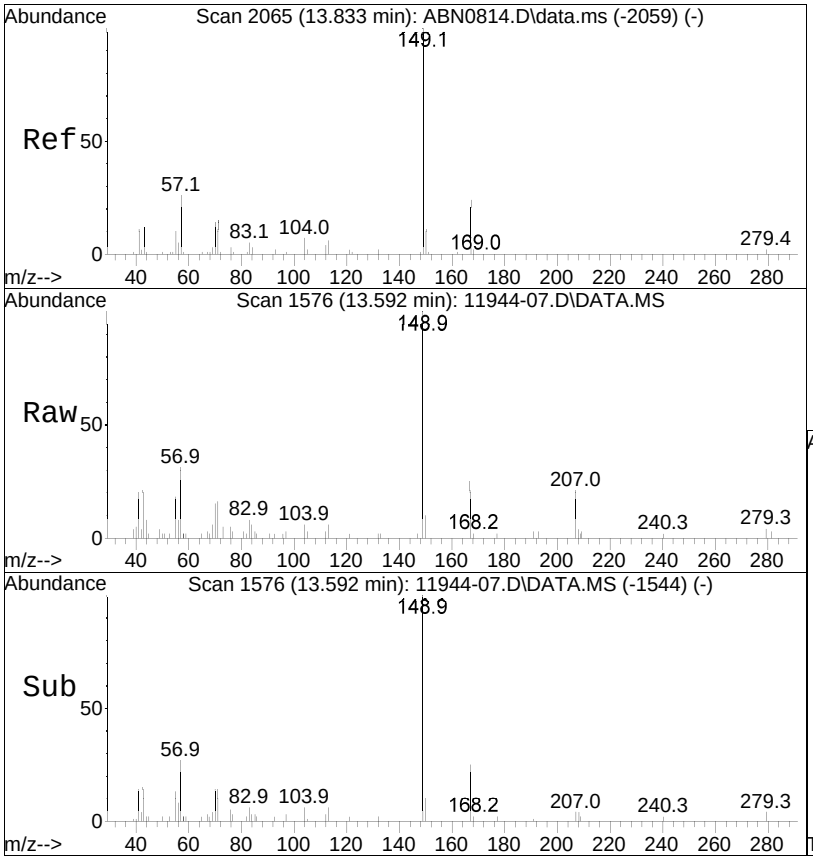


#8
Phenol
Concen: 0.07 ug/ml
RT: 5.874 min Scan# 602
Delta R.T. 0.000 min
Lab File: 11944-07.D
Acq: 6 Mar 2025 5:51 pm

Tgt Ion: 94 Resp: 1697

Ion	Ratio	Lower	Upper
94	100		
65	48.6	26.0	39.0#
66	115.4	33.8	50.8#

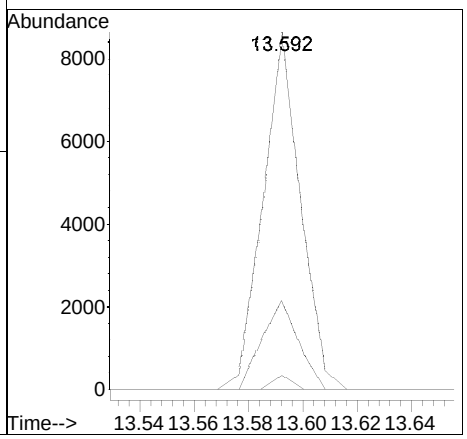




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ug/ml
RT: 13.592 min Scan# 1576
Delta R.T. 0.000 min
Lab File: 11944-07.D
Acq: 6 Mar 2025 5:51 pm

Tgt Ion:149 Resp: 8174

Ion	Ratio	Lower	Upper
149	100		
167	24.3	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV107\250306RVT\	QMethod	: FS250303SV107RVT.m
Data File	: 11944-07.D	Operator	: SV107:slr
Date Inj'd	: 3/6/2025 5:51 pm	Instrument	: SV107
Sample	: L2511944-07,32,,gmr	Quant Date	: 3/6/2025 6:11 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-08.D
Acq On : 6 Mar 2025 6:17 pm
Operator : SV107:slr
Sample : L2511944-08,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 07 10:15:59 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.222	152	65018	4.000	ug/ml		0.00
Standard Area 1 = 108838			Recovery = 59.74%				
27) IS2_1,4-Dichlorobenzen...	6.222	152	65018	4.000	ug/ml		0.00
Standard Area 3 = 113507			Recovery = 57.28%				
35) IS1_Naphthalene-d8	7.660	136	230159	4.000	ug/ml		0.00
Standard Area 1 = 393987			Recovery = 58.42%				
55) IS2_Naphthalene-d8	7.660	136	230159	4.000	ug/ml		0.00
Standard Area 3 = 398927			Recovery = 57.69%				
63) IS1_Acenaphthene-d10	9.422	164	145867	4.000	ug/ml		0.00
Standard Area 1 = 252029			Recovery = 57.88%				
83) IS2_Acenaphthene-d10	9.422	164	145867	4.000	ug/ml		0.00
Standard Area 3 = 250800			Recovery = 58.16%				
86) IS3_Acenaphthene-d10	9.422	164	145867	4.000	ug/ml		0.00
Standard Area 2 = 259991			Recovery = 56.10%				
88) IS1_Phenanthrene-d10	10.859	188	309802	4.000	ug/ml		0.00
Standard Area 1 = 522063			Recovery = 59.34%				
100) IS3_Phenanthrene-d10	10.859	188	309802	4.000	ug/ml	#	0.00
Standard Area 2 = 543463			Recovery = 57.01%				
104) IS1_Chrysene-d12	13.474	240	287909	4.000	ug/ml	#	0.00
Standard Area 1 = 526142			Recovery = 54.72%				
113) IS1_Perylene-d12	14.935	264	286619	4.000	ug/ml		0.00
Standard Area 1 = 513357			Recovery = 55.83%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.186	112	23259	1.409	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.45%				
7) Phenol-d6	5.857	99	19797	0.984	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.20%				
19) Nitrobenzene-d5	6.902	82	19252	1.052	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 105.20%				
46) 2-Fluorobiphenyl	8.786	172	62518	1.107	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 110.70%				
79) 2,4,6-Tribromophenol	10.196	330	14200	1.934	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 96.70%				
96) 4-Terphenyl-d14	12.437	244	92523	1.238	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 123.80%				

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-08.D
Acq On : 6 Mar 2025 6:17 pm
Operator : SV107:slr
Sample : L2511944-08,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 07 10:15:59 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.874	94	585	0.026	ug/ml#	1
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.		
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.		
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.	d	
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-08.D
Acq On : 6 Mar 2025 6:17 pm
Operator : SV107:slr
Sample : L2511944-08,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 07 10:15:59 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.592	149	5917	0.290	ug/ml#	95
109) Di-n-octylphthalate	0.000		0	N.D.	d	

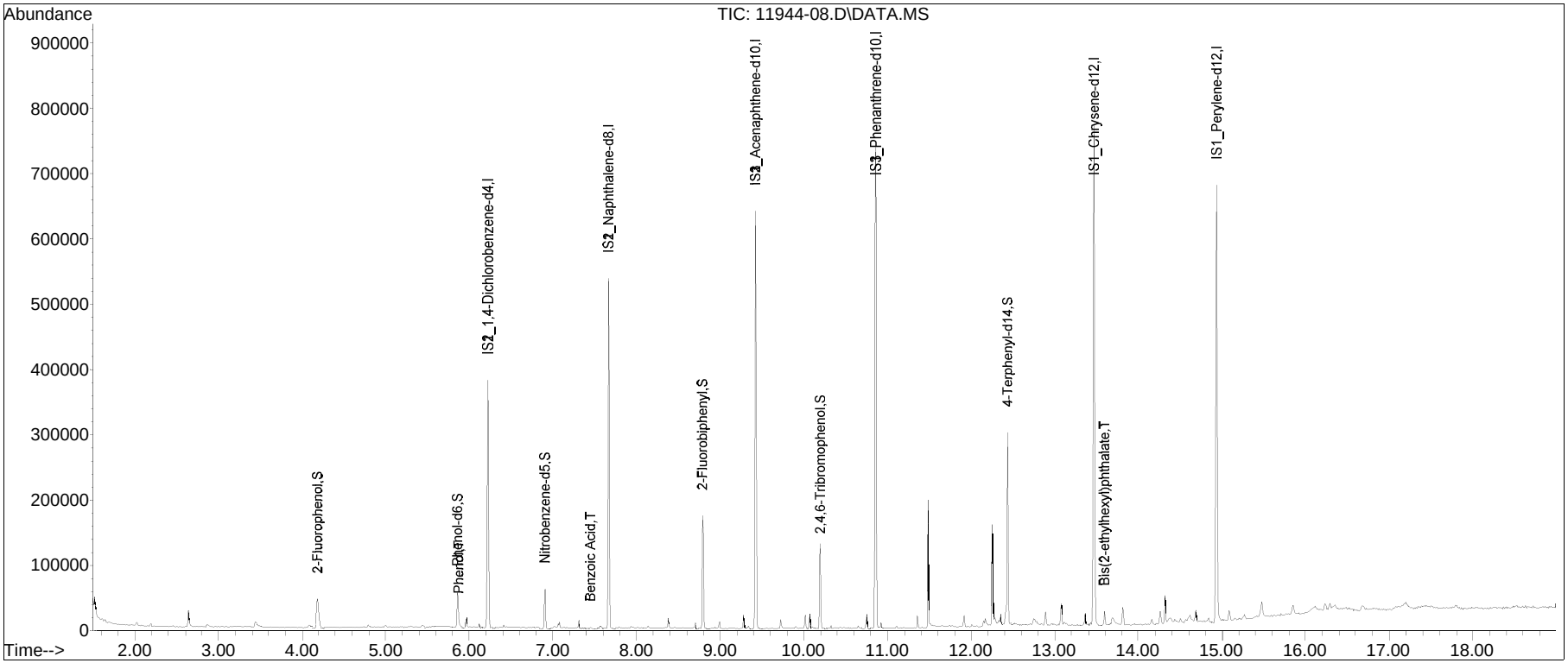
(#) = qualifier out of range (m) = manual integration (+) = signals summed

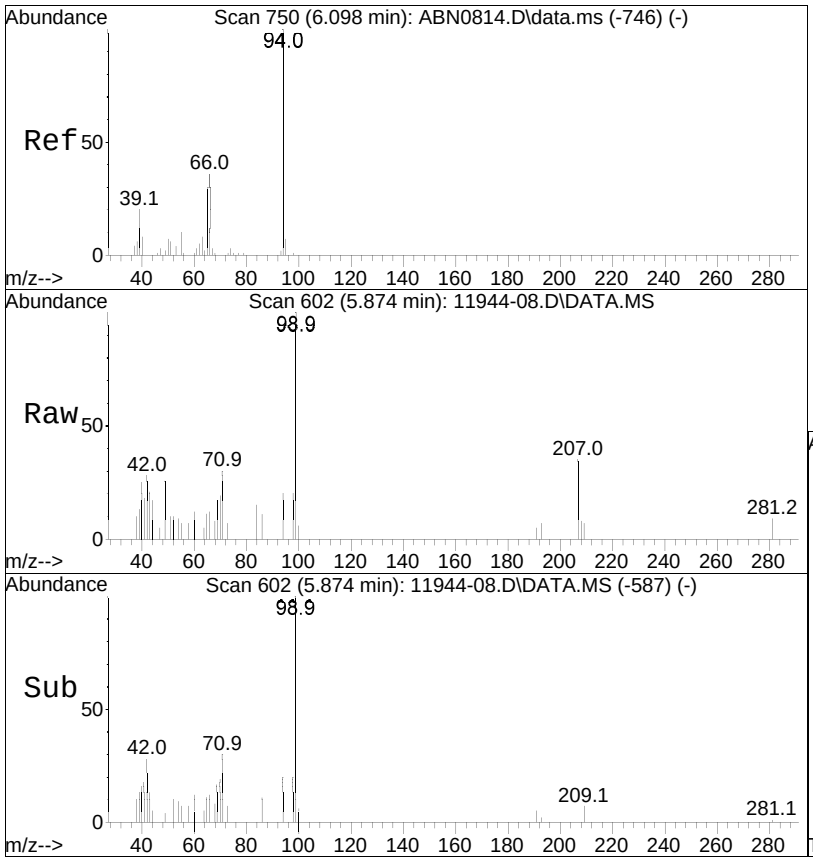
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 11944-08.D
Acq On : 6 Mar 2025 6:17 pm
Operator : SV107:slr
Sample : L2511944-08,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 07 10:15:59 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90306.D•

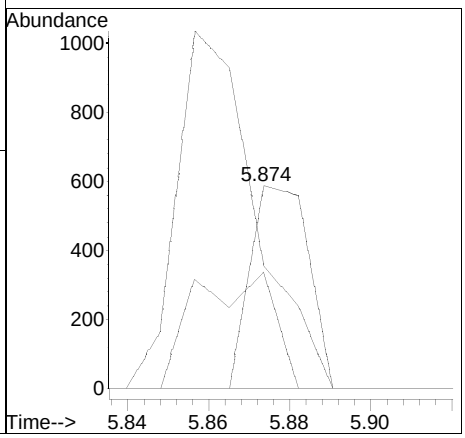


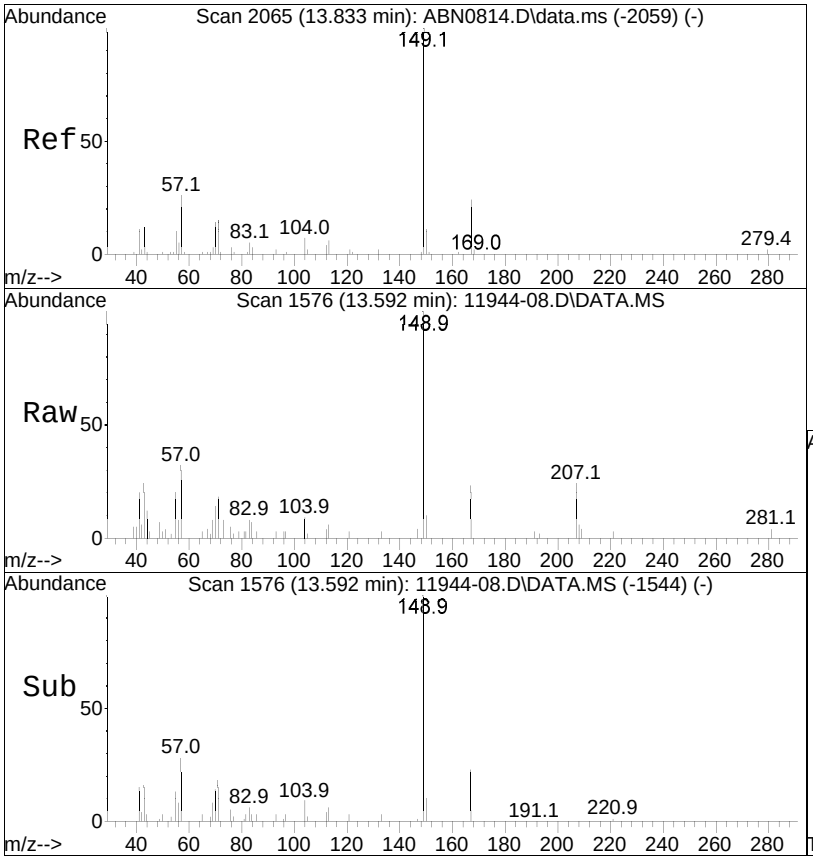


#8
Phenol
Concen: 0.03 ug/ml
RT: 5.874 min Scan# 602
Delta R.T. 0.000 min
Lab File: 11944-08.D
Acq: 6 Mar 2025 6:17 pm

Tgt Ion: 94 Resp: 585

Ion	Ratio	Lower	Upper
94	100		
65	77.6	26.0	39.0#
66	237.4	33.8	50.8#

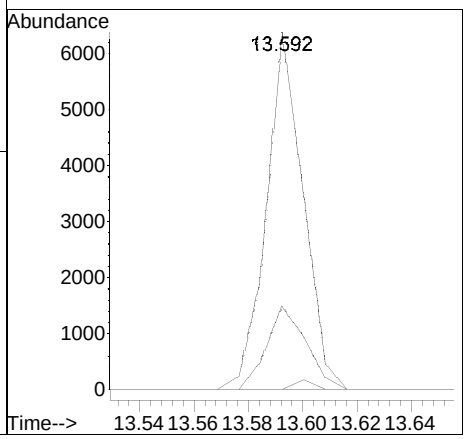




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.29 ug/ml
RT: 13.592 min Scan# 1576
Delta R.T. 0.000 min
Lab File: 11944-08.D
Acq: 6 Mar 2025 6:17 pm

Tgt Ion:149 Resp: 5917

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.1	33.1
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV107\250306RVT\	QMethod	: FS250303SV107RVT.m
Data File	: 11944-08.D	Operator	: SV107:slr
Date Inj'd	: 3/6/2025 6:17 pm	Instrument	: SV107
Sample	: L2511944-08,32,,gmr	Quant Date	: 3/6/2025 6:37 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 11944-09.D
Acq On : 11 Mar 2025 12:29 am
Operator : Dakota:ljg
Sample : L2511944-09,32,,RE,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 08:51:30 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.340	152	25296	4.000	ug/ml	0.00
Standard Area 1 = 27477			Recovery = 92.06%			
27) IS2_1,4-Dichlorobenzen...	4.340	152	25296	4.000	ug/ml	0.00
Standard Area 3 = 31522			Recovery = 80.25%			
37) IS1_Naphthalene-d8	5.580	136	88782	4.000	ug/ml	0.00
Standard Area 1 = 102381			Recovery = 86.72%			
57) IS2_Naphthalene-d8	5.580	136	88782	4.000	ug/ml	0.00
Standard Area 3 = 117255			Recovery = 75.72%			
65) IS1_Acenaphthene-d10	7.277	164	60504	4.000	ug/ml	0.00
Standard Area 1 = 74281			Recovery = 81.45%			
85) IS2_Acenaphthene-d10	7.277	164	60504	4.000	ug/ml	0.00
Standard Area 3 = 80847			Recovery = 74.84%			
88) IS3_Acenaphthene-d10	7.277	164	60504	4.000	ug/ml	0.00
Standard Area 2 = 72248			Recovery = 83.74%			
90) IS1_Phenanthrene-d10	8.694	188	137420	4.000	ug/ml	0.00
Standard Area 1 = 169879			Recovery = 80.89%			
102) IS3_Phenanthrene-d10	8.694	188	137420	4.000	ug/ml	0.00
Standard Area 2 = 176444			Recovery = 77.88%			
106) IS1_Chrysene-d12	11.277	240	170391	4.000	ug/ml	0.00
Standard Area 1 = 213117			Recovery = 79.95%			
115) IS1_Perylene-d12	12.707	264	207761	4.000	ug/ml	0.00
Standard Area 1 = 251655			Recovery = 82.56%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.087	112	7322	1.126	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.30%			
7) Phenol-d6	4.078	99	7031	0.844	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.20%			
19) Nitrobenzene-d5	4.896	82	5668	0.750	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.00%			
48) 2-Fluorobiphenyl	6.655	172	17967	0.818	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.80%			
81) 2,4,6-Tribromophenol	8.041	330	6120	1.415	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.75%			
98) 4-Terphenyl-d14	10.267	244	34827	0.876	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.60%			

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 11944-09.D
Acq On : 11 Mar 2025 12:29 am
Operator : Dakota:ljg
Sample : L2511944-09,32,,RE,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 08:51:30 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
40) 4-Chloroaniline	0.000		0	N.D.		
42) p-Chloro-m-cresol	0.000		0	N.D.		
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	0.000		0	N.D.		
47) 2,4,5-Trichlorophenol	0.000		0	N.D.		
50) 2-Nitroaniline	0.000		0	N.D.		
53) Dimethyl phthalate	0.000		0	N.D.	d	
55) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
62) Caprolactam	0.000		0	N.D.		
63) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
64) Biphenyl	0.000		0	N.D.		
66) 3-Nitroaniline	0.000		0	N.D.		
68) 2,4-Dinitrophenol	0.000		0	N.D.		
69) Dibenzofuran	0.000		0	N.D.		
70) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
71) 4-Nitrophenol	0.000		0	N.D.		
74) Diethyl phthalate	0.000		0	N.D.		
76) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
77) 4-Nitroaniline	0.000		0	N.D.		
78) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
79) NDPA/DPA	0.000		0	N.D.		
82) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 11944-09.D
Acq On : 11 Mar 2025 12:29 am
Operator : Dakota:ljg
Sample : L2511944-09,32,,RE,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 08:51:30 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Atrazine	0.000		0	N.D.		
93) Carbazole	0.000		0	N.D.		
94) Di-n-butylphthalate	0.000		0	N.D.		
99) Butyl benzyl phthalate	0.000		0	N.D.		
108) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
110) Bis(2-ethylhexyl)phtha...	11.417	149	829	0.027	ug/ml#	52
111) Di-n-octylphthalate	0.000		0	N.D.	d	

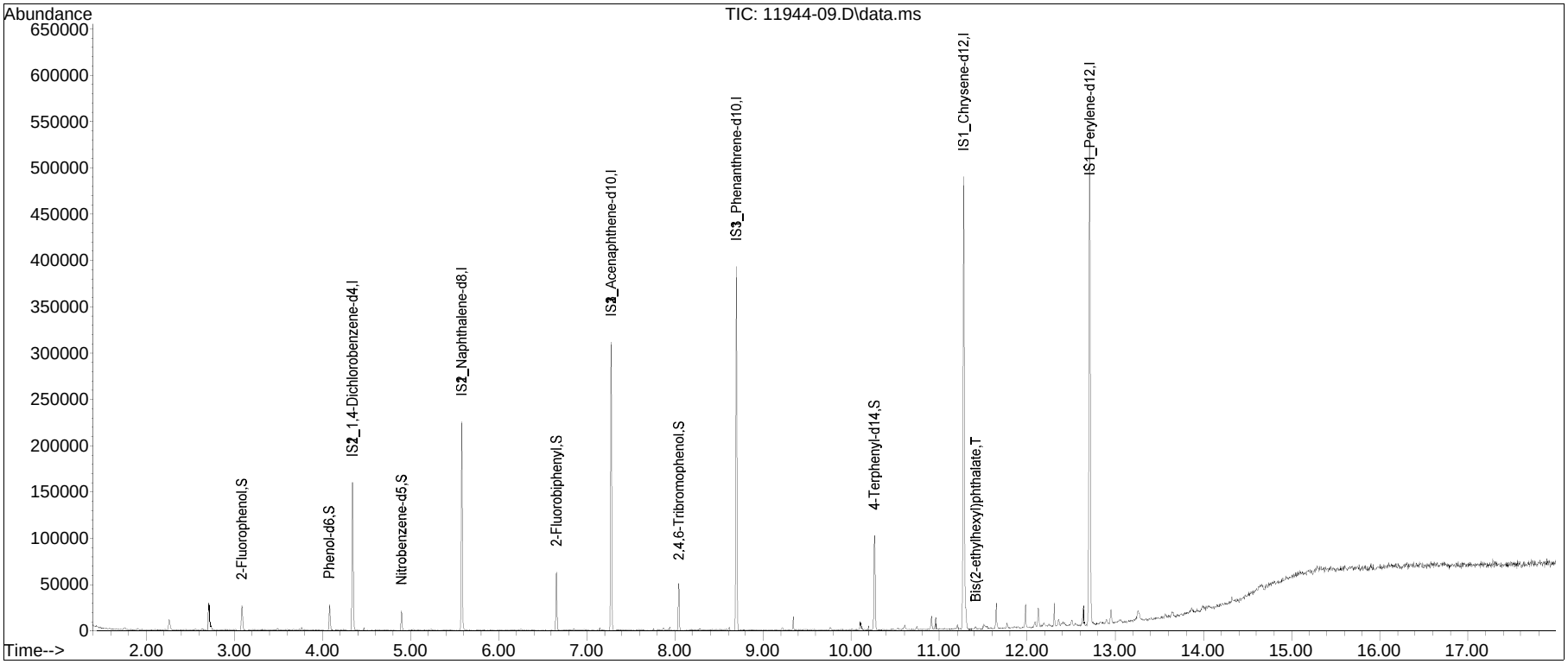
(#) = qualifier out of range (m) = manual integration (+) = signals summed

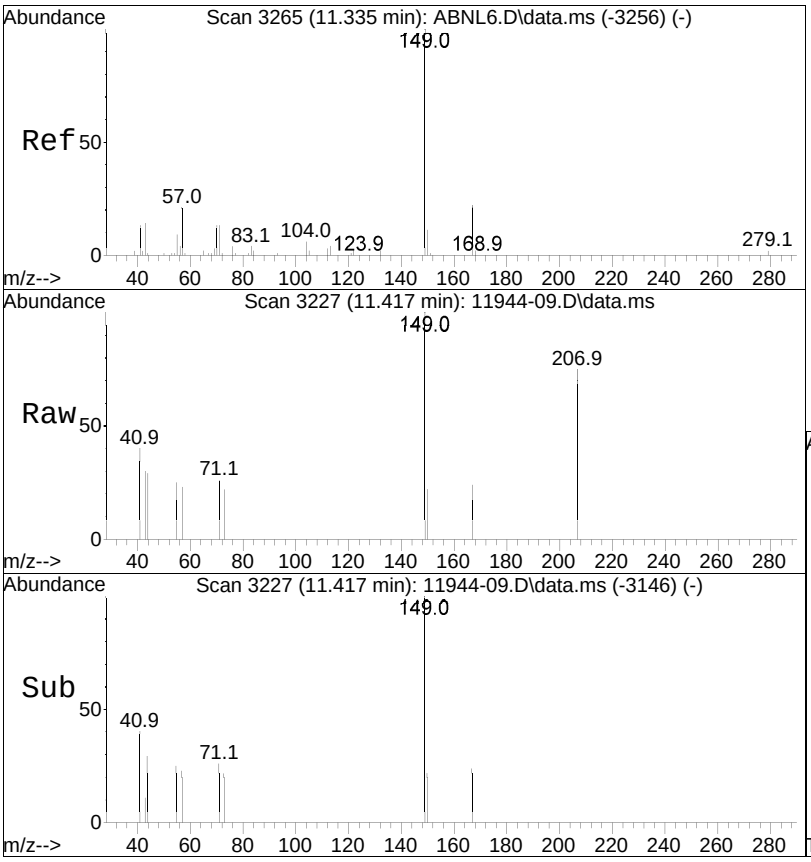
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 11944-09.D
Acq On : 11 Mar 2025 12:29 am
Operator : Dakota:ljg
Sample : L2511944-09,32,,RE,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 11 08:51:30 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MAAP90310n.D•

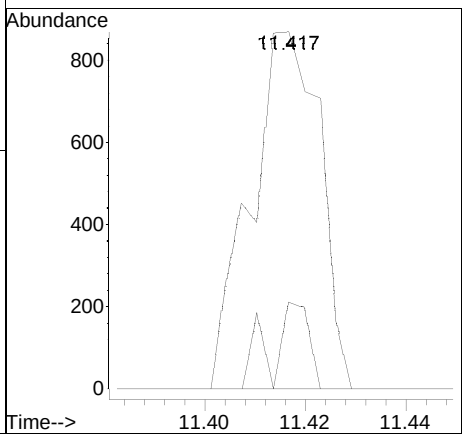




#110
Bis(2-ethylhexyl)phthalate
Concen: 0.03 ug/ml
RT: 11.417 min Scan# 3227
Delta R.T. 0.003 min
Lab File: 11944-09.D
Acq: 11 Mar 2025 12:29 am

Tgt Ion:149 Resp: 829

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



Manual Integration Report

Data Path	: I:\8270\Dakota\250310RVTn\	QMethod	: FS241105RVT_Dakota.m
Data File	: 11944-09.D	Operator	: Dakota:ljg
Date Inj'd	: 3/11/2025 12:29 am	Instrument	: Dakota
Sample	: L2511944-09,32,,RE,mrg	Quant Date	: 3/11/2025 7:26 am

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

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.794	0.791	0.767	0.739	0.714	0.756	0.724	0.759	0.797	0.760	4.03
3)	t	Pyridine	1.259	1.357	1.206	1.165	1.167	1.210	1.166	1.206	1.233	1.219	4.99
4)	S	2-Fluorophenol	1.469	1.303	1.174	1.186	1.133	1.228	1.179	1.261	1.267	1.245	8.05
5)	T	Aniline	1.663	1.751	1.672	1.834	1.671	1.817	1.760	1.844	1.927	1.771	5.20
6)	t	2-Chlorophenol	1.427	1.504	1.219	1.353	1.263	1.386	1.328	1.380	1.426	1.365	6.39
7)	S	Phenol-d6	1.690	1.672	1.373	1.453	1.356	1.471	1.439	1.490	1.538	1.498	7.85
8)	T	Phenol	1.782	1.590	1.411	1.532	1.437	1.569	1.508	1.563	1.599	1.555	6.90
9)	T	bis(2-Chloroethyl)ether	1.547	1.430	1.155	1.205	1.157	1.290	1.215	1.243	1.282	1.280	10.18
10)	T	1,3-Dichlorobenzene	1.810	1.795	1.663	1.645	1.555	1.636	1.587	1.649	1.679	1.669	5.09
11)	T	1,4-Dichlorobenzene	1.853	1.897	1.663	1.742	1.547	1.652	1.586	1.663	1.696	1.700	6.76
12)	T	1,2-Dichlorobenzene	1.987	1.723	1.549	1.575	1.494	1.609	1.530	1.580	1.625	1.630	9.12
13)	t	Benzyl alcohol	1.155	1.145	0.982	1.001	0.932	1.064	1.047	1.076	1.140	1.060	7.40
14)	T	bis(2-chloroisopropyl)ether	2.486	2.142	1.894	2.011	1.807	1.970	1.888	1.935	1.990	2.014	9.94
15)	T	2-Methylphenol	1.240	1.140	1.057	1.085	1.025	1.140	1.101	1.148	1.174	1.123	5.75
16)	T	Hexachloroethane	0.710	0.636	0.598	0.613	0.559	0.601	0.584	0.612	0.612	0.614	6.85
17)	T	n-Nitrosodi-n-propylamine	1.069	1.007	0.853	0.911	0.822	0.960	0.916	0.940	0.985	0.940	8.11
18)	T	3-Methylphenol/4-Methylphenol	1.351	1.247	1.151	1.188	1.120	1.250	1.202	1.243	1.276	1.225	5.66
19)	S	Nitrobenzene-d5	1.664	1.365	1.257	1.277	1.207	1.373	1.329	1.366	1.397	1.359	9.59
20)	T	Nitrobenzene	1.673	1.444	1.291	1.318	1.233	1.384	1.363	1.378	1.417	1.389	8.97
21)	T	Isophorone	2.685	2.494	2.213	2.320	2.136	2.481	2.408	2.450	2.557	2.416	7.06
22)	T	2-Nitrophenol	0.725	0.742	0.599	0.681	0.644	0.752	0.721	0.771	0.778	0.713	8.43
23)	T	2,4-Dimethylphenol	1.273	1.164	1.053	1.089	1.008	1.124	1.080	1.101	1.174	1.119	6.94
24)	T	bis(2-Chloroethoxy)methane	1.915	1.579	1.540	1.620	1.443	1.643	1.577	1.573	1.636	1.614	7.92
25)	T	2,4-Dichlorophenol	1.404	1.292	1.102	1.201	1.140	1.303	1.232	1.275	1.302	1.250	7.39
26)	T	1,2,4-Trichlorobenzene	1.696	1.587	1.414	1.423	1.316	1.411	1.381	1.403	1.407	1.449	8.08
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.774	0.848	0.995	0.869	1.012	0.975	0.981	0.966	1.108	0.948	10.60
29)	T	Acetophenone	1.728	1.786	1.934	1.608	1.877	1.809	1.798	1.826	2.091	1.829	7.34
30)	T	m-Toluidine			1.396	1.351	1.634	1.628	1.682	1.683	1.912	1.612	11.74
31)	T	2-Chloroaniline	1.363	1.516	1.622	1.464	1.694	1.652	1.649	1.650	1.874	1.609	9.14
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane		0.609	0.450	0.607	0.439	0.395	0.462	0.456	0.466	0.485	16.26
34)	T	n-Decane		1.504	1.315	1.921	1.407	1.268	1.487	1.469	1.516	1.486	13.30
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.353	1.228	1.064	1.107	1.009	1.089	1.067	1.105	1.142	1.129	9.13

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T	Benzoic Acid					0.158	0.213	0.243	0.276	0.289	*L	0.9994
38) T	4-Chloroaniline	0.123	0.144	0.111	0.131	0.114	0.129	0.126	0.130	0.132	0.127	7.95
39) T	Hexachlorobutadiene	0.255	0.262	0.221	0.246	0.219	0.239	0.226	0.235	0.245	0.239	6.22
40) T	p-Chloro-m-cresol	0.301	0.309	0.257	0.286	0.264	0.305	0.303	0.314	0.327	0.296	7.79
41) T	2-Methylnaphthalene	0.899	0.803	0.686	0.722	0.672	0.747	0.726	0.750	0.767	0.752	9.00
42) T	1-Methylnaphthalene	0.294	0.265	0.228	0.236	0.211	0.237	0.231	0.240	0.249	0.243	9.82
43) T	Hexachlorocyclopentadiene	0.266	0.278	0.246	0.258	0.238	0.261	0.259	0.268	0.283	0.262	5.37
44) T	2,4,6-Trichlorophenol	0.306	0.284	0.252	0.258	0.243	0.285	0.278	0.281	0.289	0.275	7.27
45) T	2,4,5-Trichlorophenol	0.288	0.304	0.254	0.278	0.261	0.288	0.287	0.293	0.311	0.285	6.49
46) S	2-Fluorobiphenyl	1.120	0.991	0.853	0.900	0.812	0.918	0.896	0.904	0.938	0.926	9.56
47) T	2-Chloronaphthalene	0.953	0.836	0.728	0.770	0.691	0.769	0.763	0.763	0.788	0.785	9.50
48) T	2-Nitroaniline	0.252	0.211	0.195	0.201	0.187	0.234	0.241	0.241	0.248	0.223	11.09
49) T	1,4-Dinitrobenzene	0.113	0.112	0.103	0.101	0.101	0.122	0.123	0.124	0.128	0.114	9.32
50) T	1,3-Dinitrobenzene	0.132	0.104	0.110	0.125	0.108	0.136	0.137	0.134	0.139	0.125	10.98
51) T	Dimethyl phthalate	1.062	0.944	0.878	0.892	0.815	0.943	0.906	0.876	0.916	0.915	7.39
52) T	Acenaphthylene	1.355	1.229	1.072	1.123	1.033	1.177	1.163	1.165	1.210	1.170	8.00
53) T	2,6-Dinitrotoluene	0.193	0.168	0.161	0.182	0.167	0.204	0.200	0.196	0.202	0.186	8.97
54) T	1,2-Dinitrobenzene	0.088	0.079	0.069	0.082	0.071	0.086	0.085	0.081	0.084	0.081	7.92
55) I	IS2_Naphthalene-d8	----------ISTD----------										
56) T	a-Terpineol	0.275	0.267	0.269	0.236	0.290	0.280	0.293	0.293	0.336	0.282	9.59
57) T	3-Chloroaniline	0.109	0.107	0.147	0.120	0.138	0.140	0.144	0.137	0.152	0.132	12.57
58) T	2,6-Dichlorophenol	0.244	0.282	0.299	0.262	0.307	0.310	0.320	0.315	0.361	0.300	11.42
59) T	1-chloro-2-nitrobenzene	0.128	0.138	0.151	0.127	0.151	0.146	0.151	0.149	0.169	0.145	9.06
60) T	Caprolactam		0.121	0.133	0.124	0.148	0.151	0.156	0.162	0.178	0.147	13.33
61) T	1,2,4,5-Tetrachlorobenzene	0.362	0.388	0.443	0.367	0.409	0.398	0.406	0.396	0.448	0.402	7.30
62) T	Biphenyl	0.800	0.845	0.953	0.829	0.952	0.925	0.914	0.914	1.032	0.907	7.94
63) I	IS1_Acenaphthene-d10	----------ISTD----------										
64) T	3-Nitroaniline	0.325	0.328	0.284	0.310	0.298	0.334	0.336	0.346	0.346	0.323	6.65
65) T	Acenaphthene	1.468	1.237	1.049	1.163	1.000	1.107	1.100	1.148	1.141	1.157	11.64
66) T	2,4-Dinitrophenol					0.141	0.198	0.224	0.241	0.249	*L	1.0000
67) T	Dibenzofuran	2.384	2.124	1.675	1.894	1.624	1.767	1.756	1.812	1.811	1.872	12.80
68) T	2,4-Dinitrotoluene	0.436	0.419	0.352	0.412	0.369	0.438	0.438	0.453	0.455	0.419	8.62
69) T	4-Nitrophenol	0.227	0.227	0.189	0.243	0.217	0.255	0.257	0.267	0.267	0.239	10.86
70) T	2,3,5,6-Tetrachlorophenol	0.372	0.380	0.337	0.377	0.357	0.406	0.418	0.432	0.435	0.390	8.75
71) T	2,3,4,6-Tetrachlorophenol	0.405	0.372	0.339	0.390	0.345	0.400	0.399	0.406	0.412	0.385	7.04
72) T	Diethyl phthalate	1.818	1.602	1.416	1.472	1.357	1.481	1.478	1.508	1.529	1.518	8.67

Initial Calibration Summary
Form 6
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV106	**Ical Ref**	: ICAL21604
Calibration dates	: 10/09/24 20:07 10/11/24 15:53		

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.777	1.580	1.346	1.483	1.268	1.426	1.416	1.426	1.436	1.462	9.97
74)	T	4-Chlorophenyl-phenylether	0.990	0.829	0.702	0.742	0.632	0.721	0.710	0.716	0.711	0.750	13.75
75)	T	4-Nitroaniline	0.356	0.301	0.291	0.337	0.303	0.332	0.350	0.356	0.332	0.329	7.53
76)	T	4,6-Dinitro-o-cresol			0.168	0.203	0.212	0.263	0.285	0.300	0.308	*L	0.9982
77)	T	NDPA/DPA	1.502	1.304	1.165	1.267	1.112	1.256	1.247	1.245	1.253	1.261	8.51
78)	T	Azobenzene	1.440	1.309	1.095	1.233	1.093	1.238	1.207	1.226	1.252	1.232	8.53
79)	S	2,4,6-Tribromophenol	0.235	0.245	0.198	0.225	0.198	0.229	0.233	0.235	0.239	0.226	7.54
80)	T	4-Bromophenyl-phenylether	0.584	0.491	0.442	0.467	0.393	0.454	0.450	0.446	0.457	0.465	11.11
81)	T	Hexachlorobenzene	0.718	0.592	0.482	0.511	0.451	0.494	0.491	0.496	0.501	0.526	15.44
82)	T	Pentachlorophenol				0.264	0.266	0.325	0.342	0.351	0.363	0.319	13.63
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran			0.159	0.136	0.167	0.178	0.191	0.212	0.226	0.181	17.26
85)	T	Pentachloronitrobenzene	0.204	0.162	0.193	0.163	0.184	0.199	0.199	0.210	0.226	0.193	10.85
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine		0.376	0.330	0.478	0.406	0.394	0.422	0.452	0.462	0.415	11.80
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.504	1.339	1.033	1.155	1.048	1.124	1.097	1.144	1.118	1.174	12.95
90)	T	Anthracene	1.494	1.253	1.052	1.135	1.049	1.116	1.111	1.171	1.151	1.170	11.63
91)	T	Carbazole	1.297	1.044	0.920	1.035	0.962	1.045	1.035	1.090	1.056	1.054	9.94
92)	T	Di-n-butylphthalate	1.460	1.281	1.142	1.233	1.152	1.352	1.379	1.432	1.438	1.319	9.27
93)	T	Fluoranthene	1.613	1.418	1.239	1.306	1.215	1.347	1.322	1.385	1.336	1.353	8.60
94)	T	Benzidine			0.595	0.722	0.695	0.841	0.850	0.871	0.857	0.776	13.67
95)	T	Pyrene	1.693	1.490	1.310	1.402	1.290	1.410	1.405	1.444	1.408	1.428	8.18
96)	S	4-Terphenyl-d14	1.298	1.156	0.979	1.043	0.954	1.059	1.053	1.072	1.048	1.073	9.45
97)	T	Butyl benzyl phthalate	0.554	0.490	0.442	0.498	0.483	0.600	0.617	0.646	0.660	0.555	14.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.461	0.460	0.464	0.452	0.481	0.530	0.521	0.569	0.607	0.505	10.94
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane		0.432	0.385	0.572	0.478	0.483	0.501	0.513	0.519	0.485	11.71
102)	T	Parathion		0.083	0.076	0.113	0.097	0.104	0.125	0.145	0.157	*Q	0.9979
103)	T	3,3'-Dimethylbenzidine				0.800	0.702	0.747	0.896	0.958		0.821	12.85
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.766	1.533	1.218	1.308	1.238	1.316	1.294	1.390	1.349	1.379	12.46
106)	T	3,3'-Dichlorobenzidine	0.462	0.427	0.372	0.440	0.426	0.468	0.473	0.516	0.494	0.453	9.40
107)	T	Chrysene	1.714	1.447	1.236	1.320	1.201	1.260	1.208	1.295	1.232	1.324	12.45
108)	T	bis(2-Ethylhexyl)phthalate	0.830	0.764	0.664	0.758	0.765	0.896	0.898	0.925	0.952	0.828	11.62

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21604**
Calibration dates	**: 10/09/24 20:07 10/11/24 15:53**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D

L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	1.260	1.251	1.050	1.157	1.225	1.506	1.554	1.655	1.700	1.373	17.03
110)	T	Benzo(b)fluoranthene	1.483	1.369	1.200	1.339	1.248	1.285	1.347	1.364	1.342	1.331	6.09
111)	T	Benzo(k)fluoranthene	1.430	1.322	1.109	1.208	1.121	1.257	1.124	1.332	1.254	1.240	8.91
112)	T	Benzo(a)pyrene	1.236	1.183	0.962	1.139	1.084	1.160	1.144	1.266	1.223	1.155	7.93
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.397	1.246	1.043	1.161	1.132	1.211	1.255	1.319	1.150	1.213	8.75
115)	T	Dibenzo[a,h]anthracene	1.310	1.235	1.009	1.135	1.085	1.161	1.154	1.202	1.089	1.153	7.73
116)	T	Benzo(g,h,i)perylene	1.280	1.167	0.971	1.084	1.022	1.086	1.080	1.122	0.906	1.080	10.10

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) I	IS1_Naphthalene-d8	----------ISTD----------										
38) T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39) T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40) T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41) T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42) T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43) T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44) T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45) T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00
46) T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47) T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48) S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49) T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50) T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51) T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52) T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53) T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54) T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55) T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56) T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57) I	IS2_Naphthalene-d8	----------ISTD----------										
58) T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59) T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60) T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61) T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62) T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63) T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64) T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65) I	IS1_Acenaphthene-d10	----------ISTD----------										
66) T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67) T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68) T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69) T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70) T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71) T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72) T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15	
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53	
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16	
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66	
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76	
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54	
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94	
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61	
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99	
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10	
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60	
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51	
85)	I	IS2_Acenaphthene-d10	----------ISTD----------											
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47	
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74	
88)	I	IS3_Acenaphthene-d10	----------ISTD----------											
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90	
90)	I	IS1_Phenanthrene-d10	----------ISTD----------											
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11	
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06	
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14	
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42	
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44	
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90	
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29	
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95	
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34	
100)	I	IS2_Phenanthrene-d10	----------ISTD----------											
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13	
102)	I	IS3_Phenanthrene-d10	----------ISTD----------											
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10	
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115		*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870		*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------											
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16	
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21680**
Calibration dates	**: 11/05/24 16:59 11/06/24 04:17**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL22052**
Calibration dates	**: 03/04/25 21:51 03/05/25 12:18**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.589	0.527	0.775	0.740	0.621	0.700	0.690	0.739	0.694	0.675	11.90
3)	t	Pyridine	1.490	1.201	1.307	1.302	1.020	1.175	1.258	1.198	1.183	1.237	10.33
4)	S	2-Fluorophenol	0.996	0.896	1.093	1.014	0.936	1.015	1.065	1.091	1.032	1.016	6.56
5)	T	Aniline	1.161	1.254	1.750	1.619	1.474	1.634	1.712	1.788	1.737	1.570	14.44
6)	t	2-Chlorophenol	1.069	1.058	1.228	1.133	1.057	1.132	1.180	1.209	1.174	1.138	5.72
7)	S	Phenol-d6	1.321	1.062	1.266	1.236	1.121	1.247	1.273	1.337	1.275	1.238	7.28
8)	T	Phenol	1.485	1.247	1.487	1.399	1.276	1.376	1.395	1.450	1.395	1.390	6.01
9)	T	bis(2-Chloroethyl)ether	1.235	1.052	1.210	1.104	0.991	1.064	1.081	1.128	1.108	1.108	6.88
10)	T	1,3-Dichlorobenzene	1.638	1.402	1.738	1.538	1.342	1.447	1.448	1.517	1.474	1.505	8.08
11)	T	1,4-Dichlorobenzene	1.715	1.578	1.756	1.560	1.360	1.458	1.496	1.539	1.504	1.552	7.90
12)	T	1,2-Dichlorobenzene	1.629	1.390	1.605	1.509	1.296	1.400	1.428	1.490	1.471	1.469	7.18
13)	t	Benzyl alcohol	0.775	0.711	0.847	0.808	0.763	0.869	0.892	0.993	0.993	0.850	11.57
14)	T	bis(2-chloroisopropyl)ether	1.904	1.595	1.914	1.781	1.619	1.754	1.771	1.898	2.065	1.811	8.30
15)	T	2-Methylphenol	0.997	0.867	1.035	0.982	0.913	1.027	1.036	1.159	1.173	1.021	9.81
16)	T	Hexachloroethane	0.480	0.502	0.554	0.508	0.472	0.507	0.530	0.564	0.551	0.519	6.35
17)	T	n-Nitrosodi-n-propylamine	0.764	0.657	0.814	0.758	0.726	0.826	0.831	0.942	0.922	0.804	11.27
18)	T	3-Methylphenol/4-Methylphenol	0.987	0.926	1.106	1.047	0.987	1.087	1.118	1.225	1.216	1.078	9.49
19)	S	Nitrobenzene-d5	1.053	0.910	1.153	1.099	1.016	1.146	1.190	1.292	1.277	1.126	10.89
20)	T	Nitrobenzene	1.009	0.980	1.151	1.114	1.077	1.174	1.207	1.287	1.259	1.140	9.23
21)	T	Isophorone	2.074	1.910	2.169	2.040	1.963	2.233	2.302	2.538	2.485	2.190	10.07
22)	T	2-Nitrophenol			0.440	0.446	0.449	0.526	0.563	0.673	0.680	0.540	19.33
23)	T	2,4-Dimethylphenol	1.017	0.968	1.158	1.115	1.054	1.199	1.214	1.359	1.366	1.161	12.05
24)	T	bis(2-Chloroethoxy)methane	1.607	1.468	1.830	1.729	1.539	1.678	1.618	1.811	1.017	1.589	15.42
25)	T	2,4-Dichlorophenol	1.032	0.962	1.180	1.131	1.062	1.218	1.249	1.393	1.392	1.180	12.78
26)	T	1,2,4-Trichlorobenzene	1.669	1.446	1.670	1.495	1.341	1.431	1.456	1.577	1.567	1.517	7.37
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.801	0.720	0.903	0.826	0.785	0.834	0.879	1.018	0.962	0.859	10.74
29)	T	Acetophenone	1.211	1.105	1.594	1.431	1.371	1.458	1.545	1.819	1.711	1.472	15.43
30)	T	m-Toluidine				1.165	1.268	1.413	1.549	1.845	1.757	1.500	17.90
31)	T	2-Chloroaniline	1.309	1.080	1.383	1.308	1.282	1.331	1.451	1.684	1.602	1.381	13.03
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)		1,4-Dioxane	0.671	0.660	0.558	0.531	0.422	0.453	0.435	0.544	0.479	0.528	17.33
34)	T	n-Decane	1.479	1.268	1.484	1.403	1.205	1.340	1.378	1.717	1.516	1.421	10.64
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.154	1.051	1.157	1.058	0.910	0.976	0.973	1.010	0.962	1.028	8.31

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL22052**
Calibration dates	**: 03/04/25 21:51 03/05/25 12:18**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid	0.095	0.090	0.127	0.139	0.145	0.124	0.164	0.252		*Q	0.9985
38)	T	4-Chloroaniline	0.138	0.123	0.144	0.125	0.116	0.126	0.129	0.134	0.133	0.130	6.67
39)	T	Hexachlorobutadiene	0.285	0.252	0.278	0.251	0.220	0.231	0.234	0.236	0.235	0.247	8.97
40)	T	p-Chloro-m-cresol	0.251	0.227	0.258	0.261	0.247	0.284	0.290	0.321	0.320	0.273	11.90
41)	T	2-Methylnaphthalene	0.721	0.646	0.717	0.666	0.590	0.633	0.636	0.669	0.631	0.657	6.43
42)	T	1-Methylnaphthalene	0.260	0.227	0.259	0.239	0.210	0.230	0.223	0.232	0.240	0.236	6.82
43)	T	Hexachlorocyclopentadiene	0.256	0.246	0.277	0.258	0.245	0.280	0.283	0.319	0.334	0.278	11.29
44)	T	2,4,6-Trichlorophenol	0.265	0.201	0.256	0.246	0.240	0.275	0.278	0.311	0.309	0.264	13.02
45)	T	2,4,5-Trichlorophenol	0.270	0.218	0.260	0.264	0.243	0.284	0.285	0.328	0.327	0.275	13.04
46)	S	2-Fluorobiphenyl	1.124	0.971	1.085	1.004	0.884	0.948	0.911	0.989	0.919	0.982	8.13
47)	T	2-Chloronaphthalene	0.961	0.795	0.860	0.796	0.694	0.754	0.740	0.781	0.769	0.795	9.70
48)	T	2-Nitroaniline			0.158	0.155	0.159	0.197	0.210	0.239	0.241	0.194	19.43
49)	T	1,4-Dinitrobenzene			0.094	0.093	0.098	0.122	0.139	0.168	0.161	*L	0.9936
50)	T	1,3-Dinitrobenzene				0.097	0.101	0.131	0.133	0.154	0.150	0.128	18.74
51)	T	Dimethyl phthalate	1.033	0.891	1.003	0.971	0.884	0.987	0.928	1.015	0.953	0.963	5.54
52)	T	Acenaphthylene	1.278	1.084	1.272	1.202	1.092	1.230	1.229	1.273	1.238	1.211	6.12
53)	T	2,6-Dinitrotoluene			0.147	0.153	0.155	0.191	0.190	0.207	0.220	0.180	16.04
54)	T	1,2-Dinitrobenzene	0.059	0.055	0.072	0.074	0.073	0.085	0.085	0.093	0.093	0.077	18.11
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.221	0.186	0.222	0.201	0.202	0.224	0.233	0.290	0.279	0.229	15.30
57)	T	3-Chloroaniline	0.121	0.108	0.142	0.128	0.124	0.140	0.139	0.161	0.150	0.135	11.87
58)	T	2,6-Dichlorophenol	0.280	0.220	0.286	0.256	0.257	0.293	0.306	0.356	0.334	0.288	14.44
59)	T	1-chloro-2-nitrobenzene	0.106	0.077	0.115	0.099	0.100	0.115	0.119	0.147	0.143	0.114	19.20
60)	T	Caprolactam			0.094	0.095	0.100	0.126	0.140	0.178	0.171	*L	0.9919
61)	T	1,2,4,5-Tetrachlorobenzene	0.463	0.390	0.484	0.421	0.387	0.419	0.408	0.453	0.426	0.428	7.69
62)	T	Biphenyl	1.069	0.835	1.032	0.949	0.869	0.936	0.924	1.094	1.017	0.969	9.17
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.189	0.179	0.252	0.254	0.252	0.294	0.292	0.310	0.317	0.260	19.09
65)	T	Acenaphthene	1.392	1.157	1.195	1.063	0.895	0.997	0.989	1.021	1.031	1.082	13.56
66)	T	2,4-Dinitrophenol		0.055	0.081	0.089	0.098	0.128	0.145	0.171	0.178	*Q	0.9968
67)	T	Dibenzofuran	2.173	1.896	2.099	1.868	1.618	1.789	1.749	1.739	1.684	1.846	10.07
68)	T	2,4-Dinitrotoluene			0.307	0.335	0.334	0.402	0.396	0.435	0.432	0.377	13.61
69)	T	4-Nitrophenol			0.167	0.163	0.169	0.211	0.211	0.236	0.245	0.200	16.99
70)	T	2,3,5,6-Tetrachlorophenol	0.294	0.229	0.309	0.323	0.298	0.361	0.375	0.397	0.383	0.330	16.35
71)	T	2,3,4,6-Tetrachlorophenol	0.281	0.266	0.338	0.366	0.333	0.407	0.430	0.379	0.397	0.355	15.68
72)	T	Diethyl phthalate	1.310	1.241	1.407	1.338	1.203	1.374	1.324	1.406	1.387	1.332	5.40

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL22052**
Calibration dates	**: 03/04/25 21:51 03/05/25 12:18**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD		
73)	T	Fluorene	1.649	1.366	1.567	1.448	1.267	1.410	1.390	1.408	1.362	1.430	8.01		
74)	T	4-Chlorophenyl-phenylether	0.914	0.772	0.838	0.739	0.635	0.695	0.678	0.674	0.654	0.733	12.67		
75)	T	4-Nitroaniline	0.177	0.167	0.240	0.246	0.237	0.280	0.284	0.297	0.287	0.246	19.24		
76)	T	4,6-Dinitro-o-cresol			0.140	0.137	0.144	0.191	0.205	0.243	0.246		*L	0.9941	
77)	T	NDPA/DPA	1.224	1.129	1.328	1.237	1.094	1.209	1.179	1.220	1.184	1.200	5.57		
78)	T	Azobenzene	1.120	1.009	1.202	1.155	1.048	1.196	1.159	1.179	1.133	1.133	5.82		
79)	S	2,4,6-Tribromophenol	0.172	0.168	0.193	0.194	0.187	0.218	0.215	0.233	0.232	0.201	12.11		
80)	T	4-Bromophenyl-phenylether	0.529	0.428	0.471	0.427	0.384	0.429	0.419	0.433	0.433	0.439	9.16		
81)	T	Hexachlorobenzene	0.637	0.540	0.587	0.517	0.442	0.483	0.470	0.472	0.467	0.513	12.55		
82)	T	Pentachlorophenol				0.210	0.224	0.283	0.296	0.333	0.335	0.280	18.96		
83)	I	IS2_Acenaphthene-d10	----------ISTD----------												
84)	T	Dichloran			0.098	0.095	0.096	0.124	0.155	0.247	0.237		*Q	0.9847	
85)	T	Pentachloronitrobenzene				0.119	0.109	0.149	0.171	0.208	0.201		*L	0.9948	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------												
87)	T	Atrazine	0.400	0.328	0.323	0.366	0.346	0.389	0.463	0.652			*Q	0.9999	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------												
89)	T	Phenanthrene	1.365	1.193	1.246	1.135	0.984	1.065	1.073	1.089	1.014	1.129	10.69		
90)	T	Anthracene	1.176	1.052	1.159	1.072	0.978	1.082	1.075	1.100	1.032	1.081	5.62		
91)	T	Carbazole	0.945	0.852	1.031	0.965	0.899	1.003	1.001	1.049	1.008	0.973	6.60		
92)	T	Di-n-butylphthalate	0.809	0.719	0.891	0.886	0.904	1.097	1.164	1.283	1.214	0.996	19.81		
93)	T	Fluoranthene	1.342	1.174	1.311	1.213	1.105	1.274	1.264	1.271	1.173	1.236	6.14		
94)	T	Benzidine			0.446	0.508	0.566	0.728	0.789	0.848	0.821		*L	0.9981	
95)	T	Pyrene	1.372	1.239	1.394	1.311	1.210	1.366	1.333	1.279	1.171	1.297	5.99		
96)	S	4-Terphenyl-d14	1.083	0.933	1.036	0.974	0.876	0.978	0.958	0.973	0.873	0.965	7.05		
97)	T	Butyl benzyl phthalate			0.275	0.287	0.300	0.421	0.451	0.547	0.558		*L	0.9928	
98)	I	IS2_Phenanthrene-d10	----------ISTD----------												
99)	T	Diphenamid			0.302	0.304	0.324	0.403	0.458	0.573	0.553		*L	0.9921	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------												
101)	T	n-Octadecane	0.352	0.287	0.318	0.326	0.301	0.370	0.404	0.509	0.443	0.368	19.78		
102)	T	Parathion	0.062	0.048	0.054	0.050	0.045	0.052	0.070	0.125			*Q	0.9997	
103)	T	3,3'-Dimethylbenzidine			0.254	0.308	0.369	0.505	0.679	1.005			*Q	0.9992	
104)	I	IS1_Chrysene-d12	----------ISTD----------												
105)	T	Benzo[a]anthracene	1.401	1.184	1.277	1.223	1.117	1.266	1.265	1.326	1.182	1.249	6.76		
106)	T	3,3'-Dichlorobenzidine	0.314	0.287	0.356	0.373	0.374	0.463	0.478	0.505	0.476	0.403	19.68		
107)	T	Chrysene	1.576	1.355	1.384	1.213	1.076	1.147	1.115	1.114	1.116	1.233	13.75		
108)	T	bis(2-Ethylhexyl)phthalate		0.381	0.445	0.471	0.533	0.697	0.712	0.861	0.882		*Q	0.9970	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV107**	**Ical Ref**	**: ICAL22052**
Calibration dates	**: 03/04/25 21:51 03/05/25 12:18**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
109)	T	Di-n-octylphthalate				0.648	0.660	0.738	1.079	1.188	1.485	1.490	*Q	0.9953
110)	T	Benzo(b)fluoranthene	1.211	0.979	1.129	1.230	1.071	1.306	1.347	1.284	1.342	1.211	10.56	
111)	T	Benzo(k)fluoranthene	1.114	0.991	1.239	1.027	0.985	1.003	0.975	1.089	1.016	1.049	8.17	
112)	T	Benzo(a)pyrene	0.946	0.806	0.998	0.977	0.898	1.052	1.081	1.156	1.167	1.009	11.73	
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene	0.978	0.845	0.969	0.950	0.893	1.071	1.097	1.152	1.090	1.005	10.22	
115)	T	Dibenzo[a,h]anthracene	0.899	0.877	1.081	0.970	0.948	1.025	1.057	1.092	1.053	1.000	7.95	
116)	T	Benzo(g,h,i)perylene	1.072	0.992	1.062	1.004	0.936	1.020	1.057	1.061	0.893	1.011	6.16	

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.794	0.791	0.767	0.739	0.714	0.756	0.724	0.759	0.797	0.760	4.03
3)	t	Pyridine	1.259	1.357	1.206	1.165	1.167	1.210	1.166	1.206	1.233	1.219	4.99
4)	S	2-Fluorophenol	1.469	1.303	1.174	1.186	1.133	1.228	1.179	1.261	1.267	1.245	8.05
5)	T	Aniline	1.663	1.751	1.672	1.834	1.671	1.817	1.760	1.844	1.927	1.771	5.20
6)	t	2-Chlorophenol	1.427	1.504	1.219	1.353	1.263	1.386	1.328	1.380	1.426	1.365	6.39
7)	S	Phenol-d6	1.690	1.672	1.373	1.453	1.356	1.471	1.439	1.490	1.538	1.498	7.85
8)	T	Phenol	1.782	1.590	1.411	1.532	1.437	1.569	1.508	1.563	1.599	1.555	6.90
9)	T	bis(2-Chloroethyl)ether	1.547	1.430	1.155	1.205	1.157	1.290	1.215	1.243	1.282	1.280	10.18
10)	T	1,3-Dichlorobenzene	1.810	1.795	1.663	1.645	1.555	1.636	1.587	1.649	1.679	1.669	5.09
11)	T	1,4-Dichlorobenzene	1.853	1.897	1.663	1.742	1.547	1.652	1.586	1.663	1.696	1.700	6.76
12)	T	1,2-Dichlorobenzene	1.987	1.723	1.549	1.575	1.494	1.609	1.530	1.580	1.625	1.630	9.12
13)	t	Benzyl alcohol	1.155	1.145	0.982	1.001	0.932	1.064	1.047	1.076	1.140	1.060	7.40
14)	T	bis(2-chloroisopropyl)ether	2.486	2.142	1.894	2.011	1.807	1.970	1.888	1.935	1.990	2.014	9.94
15)	T	2-Methylphenol	1.240	1.140	1.057	1.085	1.025	1.140	1.101	1.148	1.174	1.123	5.75
16)	T	Hexachloroethane	0.710	0.636	0.598	0.613	0.559	0.601	0.584	0.612	0.612	0.614	6.85
17)	T	n-Nitrosodi-n-propylamine	1.069	1.007	0.853	0.911	0.822	0.960	0.916	0.940	0.985	0.940	8.11
18)	T	3-Methylphenol/4-Methylphenol	1.351	1.247	1.151	1.188	1.120	1.250	1.202	1.243	1.276	1.225	5.66
19)	S	Nitrobenzene-d5	1.664	1.365	1.257	1.277	1.207	1.373	1.329	1.366	1.397	1.359	9.59
20)	T	Nitrobenzene	1.673	1.444	1.291	1.318	1.233	1.384	1.363	1.378	1.417	1.389	8.97
21)	T	Isophorone	2.685	2.494	2.213	2.320	2.136	2.481	2.408	2.450	2.557	2.416	7.06
22)	T	2-Nitrophenol	0.725	0.742	0.599	0.681	0.644	0.752	0.721	0.771	0.778	0.713	8.43
23)	T	2,4-Dimethylphenol	1.273	1.164	1.053	1.089	1.008	1.124	1.080	1.101	1.174	1.119	6.94
24)	T	bis(2-Chloroethoxy)methane	1.915	1.579	1.540	1.620	1.443	1.643	1.577	1.573	1.636	1.614	7.92
25)	T	2,4-Dichlorophenol	1.404	1.292	1.102	1.201	1.140	1.303	1.232	1.275	1.302	1.250	7.39
26)	T	1,2,4-Trichlorobenzene	1.696	1.587	1.414	1.423	1.316	1.411	1.381	1.403	1.407	1.449	8.08
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.774	0.848	0.995	0.869	1.012	0.975	0.981	0.966	1.108	0.948	10.60
29)	T	Acetophenone	1.728	1.786	1.934	1.608	1.877	1.809	1.798	1.826	2.091	1.829	7.34
30)	T	m-Toluidine			1.396	1.351	1.634	1.628	1.682	1.683	1.912	1.612	11.74
31)	T	2-Chloroaniline	1.363	1.516	1.622	1.464	1.694	1.652	1.649	1.650	1.874	1.609	9.14
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane		0.609	0.450	0.607	0.439	0.395	0.462	0.456	0.466	0.485	16.26
34)	T	n-Decane		1.504	1.315	1.921	1.407	1.268	1.487	1.469	1.516	1.486	13.30
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.353	1.228	1.064	1.107	1.009	1.089	1.067	1.105	1.142	1.129	9.13
37)	T	Benzoic Acid					0.158	0.213	0.243	0.276	0.289	*L	0.9994
38)	T	4-Chloroaniline	0.123	0.144	0.111	0.131	0.114	0.129	0.126	0.130	0.132	0.127	7.95
39)	T	Hexachlorobutadiene	0.255	0.262	0.221	0.246	0.219	0.239	0.226	0.235	0.245	0.239	6.22
40)	T	p-Chloro-m-cresol	0.301	0.309	0.257	0.286	0.264	0.305	0.303	0.314	0.327	0.296	7.79
41)	T	2-Methylnaphthalene	0.899	0.803	0.686	0.722	0.672	0.747	0.726	0.750	0.767	0.752	9.00
42)	T	1-Methylnaphthalene	0.294	0.265	0.228	0.236	0.211	0.237	0.231	0.240	0.249	0.243	9.82
43)	T	Hexachlorocyclopentadiene	0.266	0.278	0.246	0.258	0.238	0.261	0.259	0.268	0.283	0.262	5.37
44)	T	2,4,6-Trichlorophenol	0.306	0.284	0.252	0.258	0.243	0.285	0.278	0.281	0.289	0.275	7.27
45)	T	2,4,5-Trichlorophenol	0.288	0.304	0.254	0.278	0.261	0.288	0.287	0.293	0.311	0.285	6.49

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
46)	S	2-Fluorobiphenyl	1.120	0.991	0.853	0.900	0.812	0.918	0.896	0.904	0.938	0.926	9.56	
47)	T	2-Chloronaphthalene	0.953	0.836	0.728	0.770	0.691	0.769	0.763	0.763	0.788	0.785	9.50	
48)	T	2-Nitroaniline	0.252	0.211	0.195	0.201	0.187	0.234	0.241	0.241	0.248	0.223	11.09	
49)	T	1,4-Dinitrobenzene	0.113	0.112	0.103	0.101	0.101	0.122	0.123	0.124	0.128	0.114	9.32	
50)	T	1,3-Dinitrobenzene	0.132	0.104	0.110	0.125	0.108	0.136	0.137	0.134	0.139	0.125	10.98	
51)	T	Dimethyl phthalate	1.062	0.944	0.878	0.892	0.815	0.943	0.906	0.876	0.916	0.915	7.39	
52)	T	Acenaphthylene	1.355	1.229	1.072	1.123	1.033	1.177	1.163	1.165	1.210	1.170	8.00	
53)	T	2,6-Dinitrotoluene	0.193	0.168	0.161	0.182	0.167	0.204	0.200	0.196	0.202	0.186	8.97	
54)	T	1,2-Dinitrobenzene	0.088	0.079	0.069	0.082	0.071	0.086	0.085	0.081	0.084	0.081	7.92	
55)	I	IS2_Naphthalene-d8	ISTD											
56)	T	a-Terpineol	0.275	0.267	0.269	0.236	0.290	0.280	0.293	0.293	0.336	0.282	9.59	
57)	T	3-Chloroaniline	0.109	0.107	0.147	0.120	0.138	0.140	0.144	0.137	0.152	0.132	12.57	
58)	T	2,6-Dichlorophenol	0.244	0.282	0.299	0.262	0.307	0.310	0.320	0.315	0.361	0.300	11.42	
59)	T	1-chloro-2-nitrobenzene	0.128	0.138	0.151	0.127	0.151	0.146	0.151	0.149	0.169	0.145	9.06	
60)	T	Caprolactam		0.121	0.133	0.124	0.148	0.151	0.156	0.162	0.178	0.147	13.33	
61)	T	1,2,4,5-Tetrachlorobenzene	0.362	0.388	0.443	0.367	0.409	0.398	0.406	0.396	0.448	0.402	7.30	
62)	T	Biphenyl	0.800	0.845	0.953	0.829	0.952	0.925	0.914	0.914	1.032	0.907	7.94	
63)	I	IS1_Acenaphthene-d10	ISTD											
64)	T	3-Nitroaniline	0.325	0.328	0.284	0.310	0.298	0.334	0.336	0.346	0.346	0.323	6.65	
65)	T	Acenaphthene	1.468	1.237	1.049	1.163	1.000	1.107	1.100	1.148	1.141	1.157	11.64	
66)	T	2,4-Dinitrophenol					0.141	0.198	0.224	0.241	0.249		*L	1.0000
67)	T	Dibenzofuran	2.384	2.124	1.675	1.894	1.624	1.767	1.756	1.812	1.811	1.872	12.80	
68)	T	2,4-Dinitrotoluene	0.436	0.419	0.352	0.412	0.369	0.438	0.438	0.453	0.455	0.419	8.62	
69)	T	4-Nitrophenol	0.227	0.227	0.189	0.243	0.217	0.255	0.257	0.267	0.267	0.239	10.86	
70)	T	2,3,5,6-Tetrachlorophenol	0.372	0.380	0.337	0.377	0.357	0.406	0.418	0.432	0.435	0.390	8.75	
71)	T	2,3,4,6-Tetrachlorophenol	0.405	0.372	0.339	0.390	0.345	0.400	0.399	0.406	0.412	0.385	7.04	
72)	T	Diethyl phthalate	1.818	1.602	1.416	1.472	1.357	1.481	1.478	1.508	1.529	1.518	8.67	
73)	T	Fluorene	1.777	1.580	1.346	1.483	1.268	1.426	1.416	1.426	1.436	1.462	9.97	
74)	T	4-Chlorophenyl-phenylether	0.990	0.829	0.702	0.742	0.632	0.721	0.710	0.716	0.711	0.750	13.75	
75)	T	4-Nitroaniline	0.356	0.301	0.291	0.337	0.303	0.332	0.350	0.356	0.332	0.329	7.53	
76)	T	4,6-Dinitro-o-cresol			0.168	0.203	0.212	0.263	0.285	0.300	0.308		*L	0.9982
77)	T	NDPA/DPA	1.502	1.304	1.165	1.267	1.112	1.256	1.247	1.245	1.253	1.261	8.51	
78)	T	Azobenzene	1.440	1.309	1.095	1.233	1.093	1.238	1.207	1.226	1.252	1.232	8.53	
79)	S	2,4,6-Tribromophenol	0.235	0.245	0.198	0.225	0.198	0.229	0.233	0.235	0.239	0.226	7.54	
80)	T	4-Bromophenyl-phenylether	0.584	0.491	0.442	0.467	0.393	0.454	0.450	0.446	0.457	0.465	11.11	
81)	T	Hexachlorobenzene	0.718	0.592	0.482	0.511	0.451	0.494	0.491	0.496	0.501	0.526	15.44	
82)	T	Pentachlorophenol				0.264	0.266	0.325	0.342	0.351	0.363	0.319	13.63	
83)	I	IS2_Acenaphthene-d10	ISTD											
84)	T	Dichloran			0.159	0.136	0.167	0.178	0.191	0.212	0.226	0.181	17.26	
85)	T	Pentachloronitrobenzene	0.204	0.162	0.193	0.163	0.184	0.199	0.199	0.210	0.226	0.193	10.85	
86)	I	IS3_Acenaphthene-d10	ISTD											
87)	T	Atrazine		0.376	0.330	0.478	0.406	0.394	0.422	0.452	0.462	0.415	11.80	
88)	I	IS1_Phenanthrene-d10	ISTD											
89)	T	Phenanthrene	1.504	1.339	1.033	1.155	1.048	1.124	1.097	1.144	1.118	1.174	12.95	
90)	T	Anthracene	1.494	1.253	1.052	1.135	1.049	1.116	1.111	1.171	1.151	1.170	11.63	

Response Factor Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024
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Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ABNL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

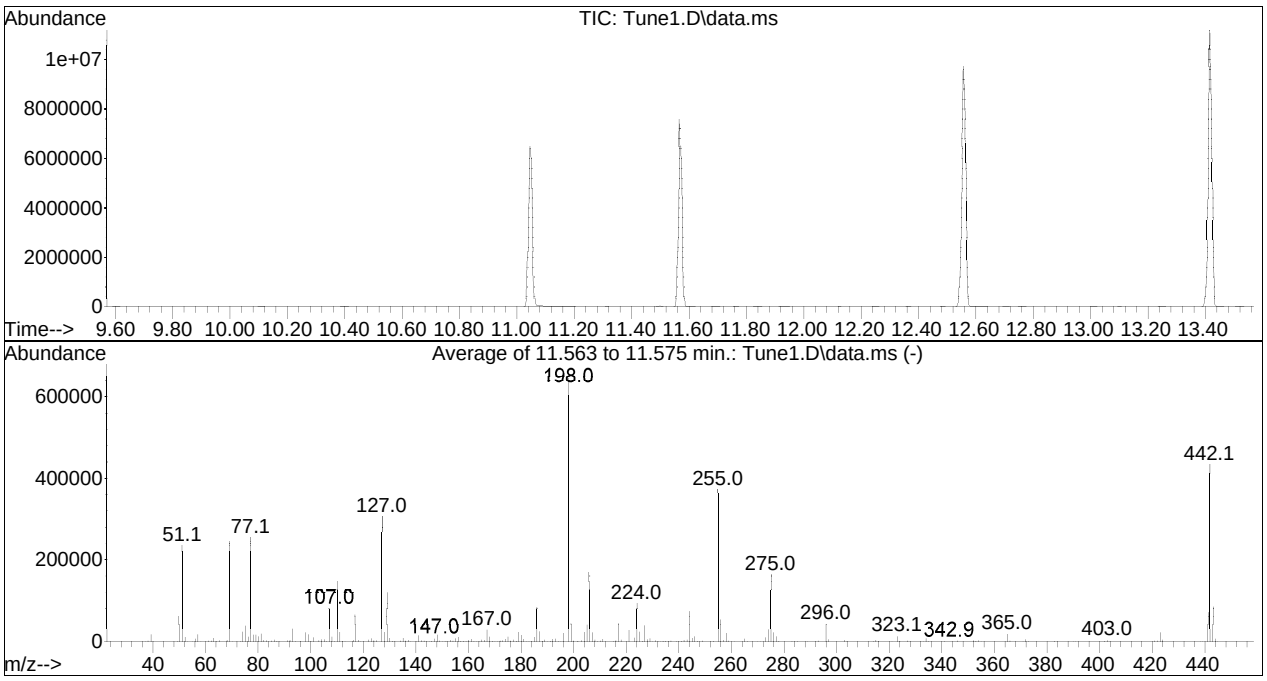
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.297	1.044	0.920	1.035	0.962	1.045	1.035	1.090	1.056	1.054	9.94
92)	T	Di-n-butylphthalate	1.460	1.281	1.142	1.233	1.152	1.352	1.379	1.432	1.438	1.319	9.27
93)	T	Fluoranthene	1.613	1.418	1.239	1.306	1.215	1.347	1.322	1.385	1.336	1.353	8.60
94)	T	Benzidine			0.595	0.722	0.695	0.841	0.850	0.871	0.857	0.776	13.67
95)	T	Pyrene	1.693	1.490	1.310	1.402	1.290	1.410	1.405	1.444	1.408	1.428	8.18
96)	S	4-Terphenyl-d14	1.298	1.156	0.979	1.043	0.954	1.059	1.053	1.072	1.048	1.073	9.45
97)	T	Butyl benzyl phthalate	0.554	0.490	0.442	0.498	0.483	0.600	0.617	0.646	0.660	0.555	14.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.461	0.460	0.464	0.452	0.481	0.530	0.521	0.569	0.607	0.505	10.94
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane		0.432	0.385	0.572	0.478	0.483	0.501	0.513	0.519	0.485	11.71
102)	T	Parathion		0.083	0.076	0.113	0.097	0.104	0.125	0.145	0.157	*Q	0.9979
103)	T	3,3'-Dimethylbenzidine				0.800	0.702	0.747	0.896	0.958		0.821	12.85
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.766	1.533	1.218	1.308	1.238	1.316	1.294	1.390	1.349	1.379	12.46
106)	T	3,3'-Dichlorobenzidine	0.462	0.427	0.372	0.440	0.426	0.468	0.473	0.516	0.494	0.453	9.40
107)	T	Chrysene	1.714	1.447	1.236	1.320	1.201	1.260	1.208	1.295	1.232	1.324	12.45
108)	T	bis(2-Ethylhexyl)phthalate	0.830	0.764	0.664	0.758	0.765	0.896	0.898	0.925	0.952	0.828	11.62
109)	T	Di-n-octylphthalate	1.260	1.251	1.050	1.157	1.225	1.506	1.554	1.655	1.700	1.373	17.03
110)	T	Benzo(b)fluoranthene	1.483	1.369	1.200	1.339	1.248	1.285	1.347	1.364	1.342	1.331	6.09
111)	T	Benzo(k)fluoranthene	1.430	1.322	1.109	1.208	1.121	1.257	1.124	1.332	1.254	1.240	8.91
112)	T	Benzo(a)pyrene	1.236	1.183	0.962	1.139	1.084	1.160	1.144	1.266	1.223	1.155	7.93
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.397	1.246	1.043	1.161	1.132	1.211	1.255	1.319	1.150	1.213	8.75
115)	T	Dibenzo[a,h]anthracene	1.310	1.235	1.009	1.135	1.085	1.161	1.154	1.202	1.089	1.153	7.73
116)	T	Benzo(g,h,i)perylene	1.280	1.167	0.971	1.084	1.022	1.086	1.080	1.122	0.906	1.080	10.10

(#) = Out of Range

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Oct 11 18:38:05 2024



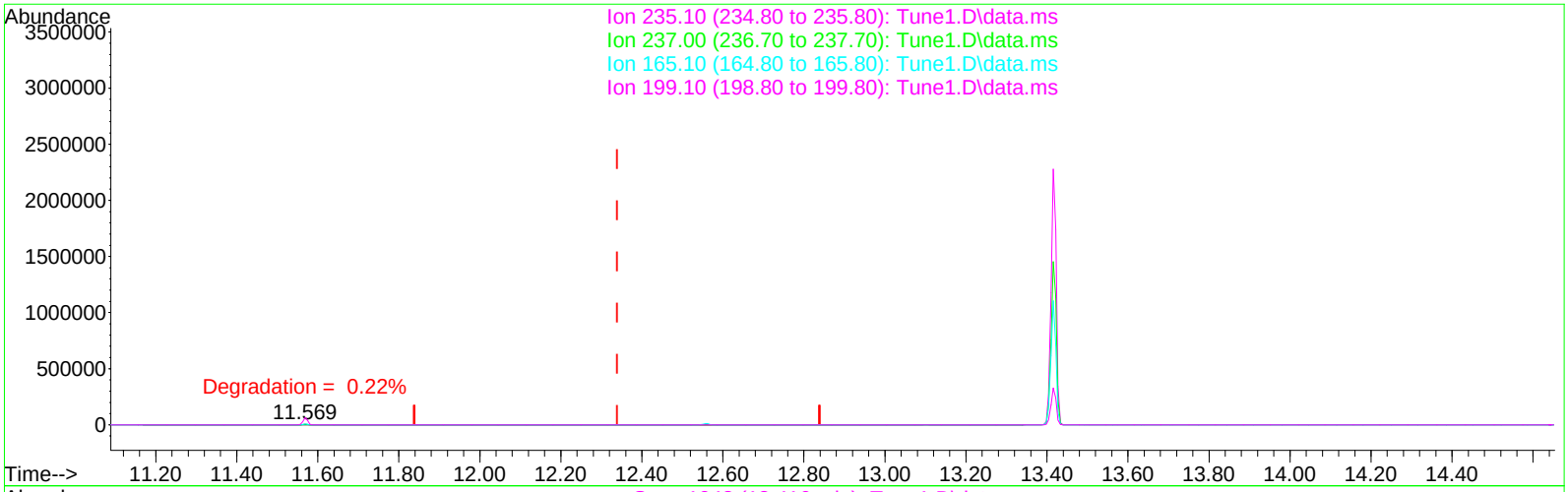
Spectrum Information: Average of 11.563 to 11.575 min.

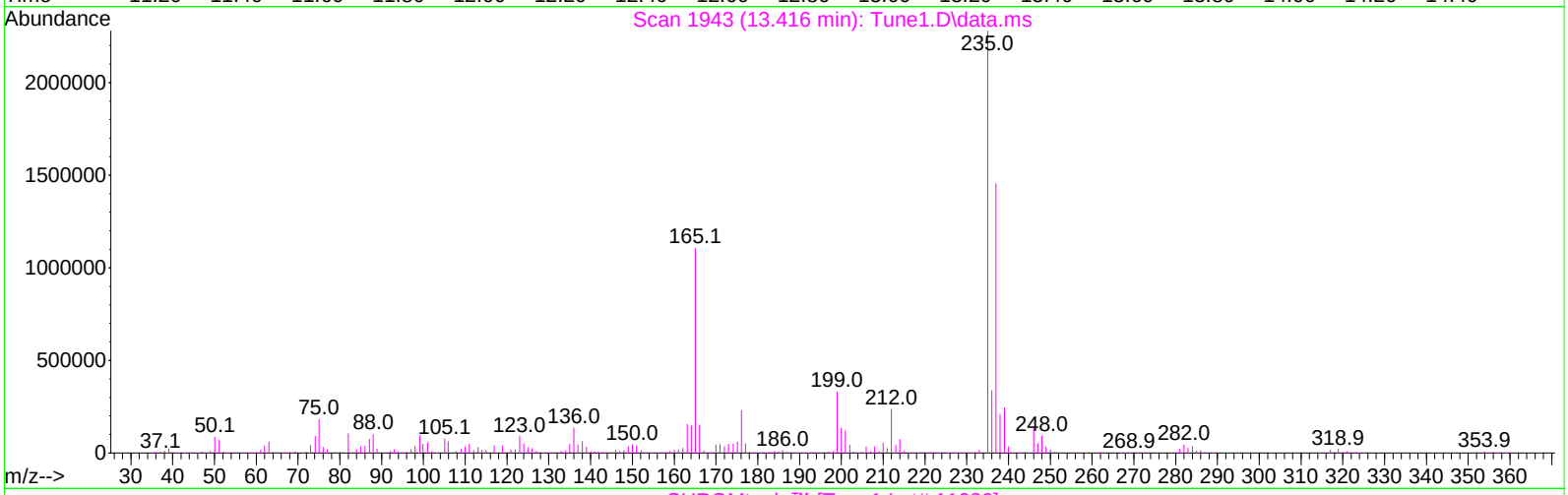
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.3	235008	PASS
68	69	0.00	2	1.7	4243	PASS
69	69	100	100	100.0	246197	PASS
70	69	0.00	2	0.5	1173	PASS
127	198	10	80	47.3	305899	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	647189	PASS
199	198	5	9	6.9	44368	PASS
275	198	10	60	25.3	163643	PASS
365	198	1	100	2.8	17966	PASS
441	442	0.01	24	16.2	70368	PASS
442	198	50	100	66.9	433096	PASS
443	442	15	24	19.5	84349	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(6) DDT (T)

13.416min (+ 1.077) 339.80 M2

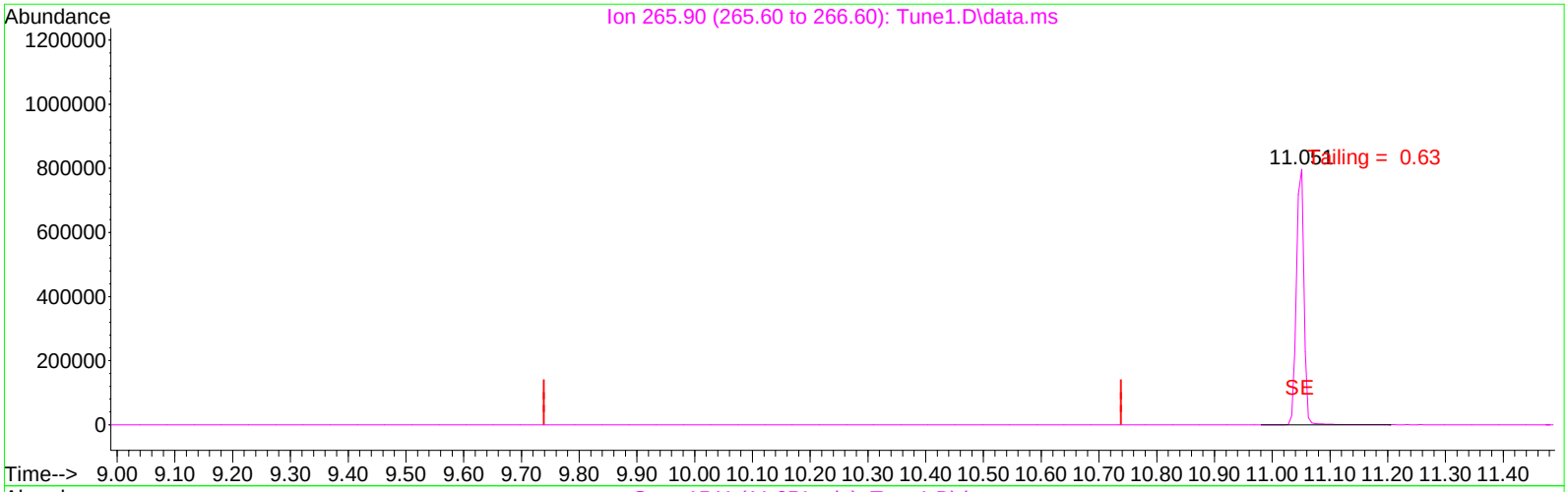
response 2071334

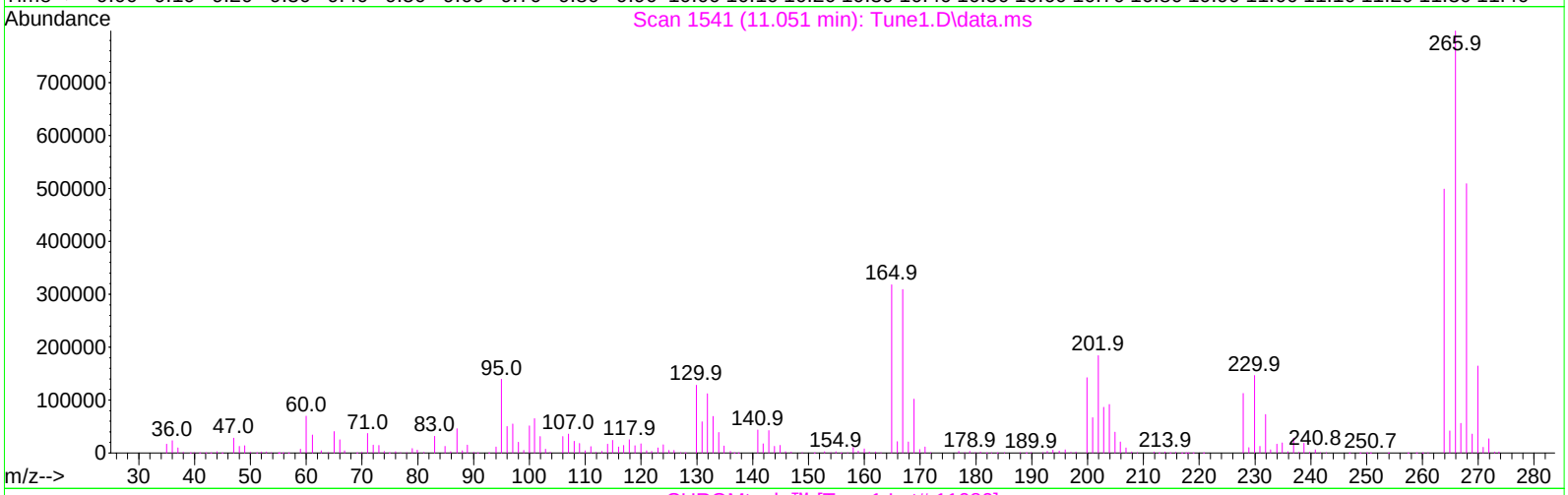
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	0.00#
165.10	44.50	0.00#
199.10	14.80	0.00#

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(1) Pentachlorophenol (T)

11.051min (+ 0.812) 346.47 M2

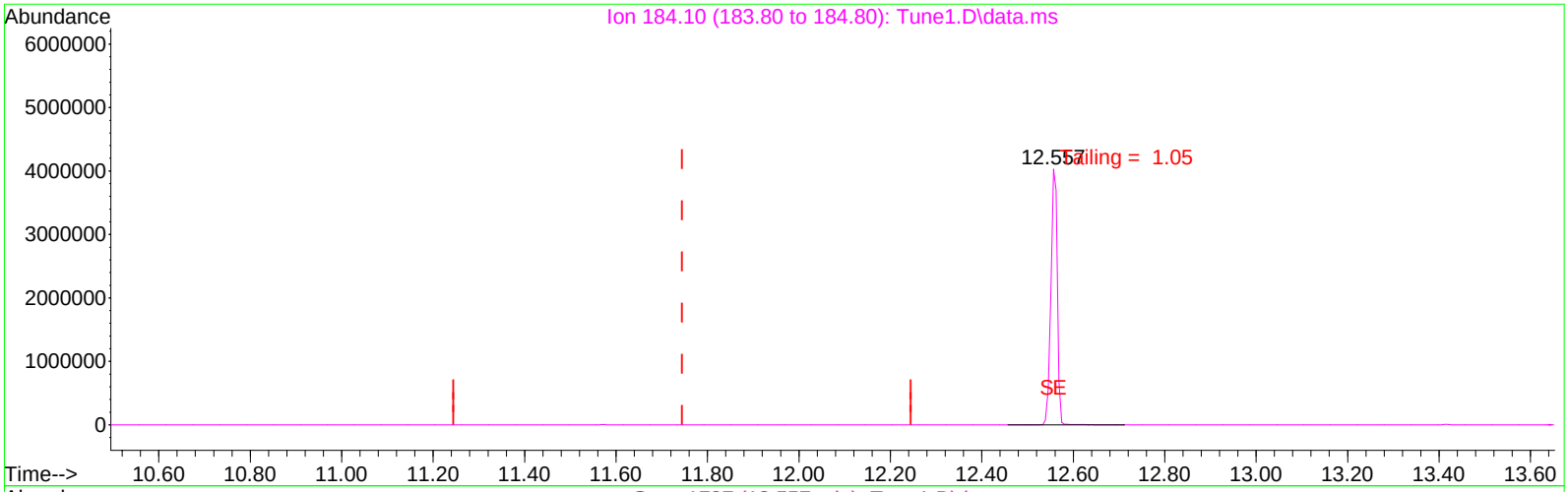
response 727717

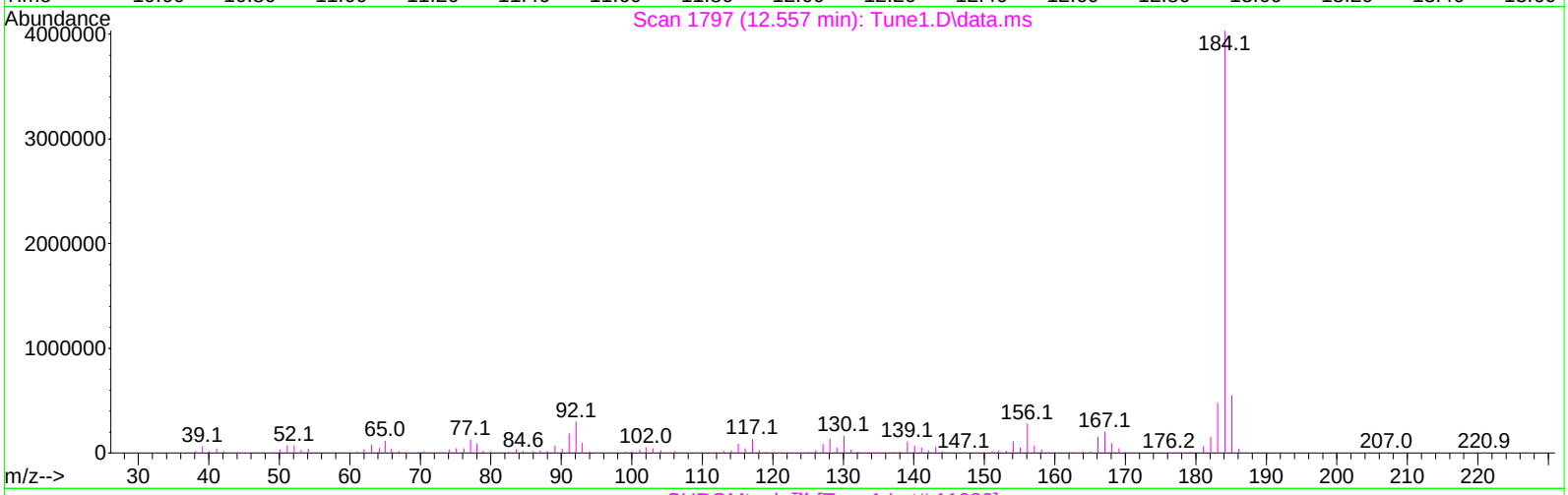
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune1.D
Acq On : 9 Oct 2024 7:43 pm
Operator : SV106:HNY
Sample : Tune1 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 09 20:05:38 2024
Quant Method : I:\8270\SV106\241009RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Oct 06 06:11:48 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11080]

(3) Benzidine (T)

12.557min (+ 0.812) 386.56 M2

response 3935254

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	74560	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 107.60%			
35) IS1_Naphthalene-d8	8.016	136	275431	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 104.10%			
63) IS1_Acenaphthene-d10	9.775	164	170378	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 102.04%			
88) IS1_Phenanthrene-d10	11.222	188	335783	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 102.86%			
104) IS1_Chrysene-d12	13.880	240	360598	4.000	ug/ml	0.01
Standard Area 1 = 353807			Recovery = 101.92%			
113) IS1_Perylene-d12	15.357	264	385048	4.000	ug/ml	0.01
Standard Area 1 = 379737			Recovery = 101.40%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.769	112	1181054	54.805	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2740.25%#			
7) Phenol-d6	6.239	99	1433009	48.575	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2428.75%#			
19) Nitrobenzene-d5	7.251	82	1301740	43.145	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4314.50%#			
46) 2-Fluorobiphenyl	9.133	172	3230002	45.667	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4566.70%#			
79) 2,4,6-Tribromophenol	10.551	330	509334	47.965	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2398.25%#			
96) 4-Terphenyl-d14	12.810	244	4398016	48.711	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4871.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.299	74	743161	46.837	ug/ml#	67
3) Pyridine	2.328	79	1149105	44.275	ug/ml#	66
5) Aniline	6.204	93	1796082	47.037	ug/ml	95
6) 2-Chlorophenol	6.345	128	1329194	55.372	ug/ml	92
8) Phenol	6.257	94	1490044	48.690	ug/ml	97
9) Bis(2-chloroethyl)ether	6.328	93	1194874	47.543	ug/ml#	85
10) 1,3-Dichlorobenzene	6.528	146	1564709	54.281	ug/ml	98
11) 1,4-Dichlorobenzene	6.622	146	1580351	54.177	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	1514293	53.367	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.810	79	1062645	44.979	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	1854894	45.939	ug/ml#	56
15) 2-Methylphenol	6.969	108	1094022	49.632	ug/ml	98
16) Hexachloroethane	7.181	117	570349	49.138	ug/ml#	60
17) n-Nitrosodi-n-propylamine	7.128	70	918268	46.610	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.157	108	1188802	49.866	ug/ml	98
20) Nitrobenzene	7.275	77	1320199	43.102	ug/ml	97
21) Isophorone	7.551	82	2383423	46.326	ug/ml	98
22) 2-Nitrophenol	7.622	139	724763	56.207	ug/ml	88
23) 2,4-Dimethylphenol	7.722	107	1094240	45.107	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.816	93	1524948	46.018	ug/ml	98
25) 2,4-Dichlorophenol	7.886	162	1213671	52.808	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.969	180	1311393	46.591	ug/ml	96
36) Naphthalene	8.034	128	3930303	49.776	ug/ml	100
37) Benzoic Acid	7.904	105	996641	43.900	ug/ml	95
38) 4-Chloroaniline	8.116	65	454739	39.063	ug/ml	74
39) Hexachlorobutadiene	8.198	225	843919	40.496	ug/ml	99
40) p-Chloro-m-cresol	8.633	107	1126014	47.727	ug/ml	96
41) 2-Methylnaphthalene	8.751	142	2641293	50.193	ug/ml	97
42) 1-Methylnaphthalene	8.845	115	857123	42.892	ug/ml	96
43) Hexachlorocyclopentadiene	8.922	237	973395	42.107	ug/ml	99
44) 2,4,6-Trichlorophenol	9.045	196	996484	48.151	ug/ml	99
45) 2,4,5-Trichlorophenol	9.075	196	1070945	48.327	ug/ml	98
47) 2-Chloronaphthalene	9.228	162	2714409	48.509	ug/ml	96
48) 2-Nitroaniline	9.345	138	852481	50.567	ug/ml#	82
49) 1,4-Dinitrobenzene	9.480	168	440415	49.639	ug/ml#	72
50) 1,3-Dinitrobenzene	9.557	168	478257	47.303	ug/ml#	1
51) Dimethyl phthalate	9.557	163	3153002	46.298	ug/ml#	99
52) Acenaphthylene	9.633	152	4167487	48.652	ug/ml	100
53) 2,6-Dinitrotoluene	9.592	165	695345	47.422	ug/ml#	72
54) 1,2-Dinitrobenzene	9.645	168	289559	46.313	ug/ml#	1
64) 3-Nitroaniline	9.751	138	736995	54.177	ug/ml#	90
65) Acenaphthene	9.810	154	2430167	49.498	ug/ml	92
66) 2,4-Dinitrophenol	9.851	184	531316	58.485	ug/ml#	84
67) Dibenzofuran	9.980	168	3856625	46.767	ug/ml	95
68) 2,4-Dinitrotoluene	9.986	165	969550	47.938	ug/ml	86
69) 4-Nitrophenol	9.939	65	568465	41.265	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.069	232	926636	48.111	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.110	232	877466	47.364	ug/ml		98
72)	Diethyl phthalate	10.251	149	3256771	49.991	ug/ml		99
73)	Fluorene	10.316	166	3057557	47.146	ug/ml		94
74)	4-Chlorophenyl phenyl ...	10.327	204	1515059	44.387	ug/ml		90
75)	4-Nitroaniline	10.357	138	706331	49.872	ug/ml		82
76)	4,6-Dinitro-o-cresol	10.386	198	655908	57.857	ug/ml	#	59
77)	NDPA/DPA	10.451	169	2667684	49.606	ug/ml		99
78)	Azobenzene	10.486	77	2665664	43.282	ug/ml	#	92
80)	4-Bromophenyl phenyl e...	10.804	248	973702M3	45.721	ug/ml		
81)	Hexachlorobenzene	10.857	284	1067806	44.080	ug/ml	#	82
82)	Pentachlorophenol	11.051	266	773904	50.305	ug/ml		99
89)	Phenanthrene	11.245	178	4692549	50.038	ug/ml		100
90)	Anthracene	11.292	178	4831002	51.813	ug/ml		100
91)	Carbazole	11.463	167	4432036	51.879	ug/ml		100
92)	Di-n-butylphthalate	11.845	149	6037609	60.171	ug/ml	#	98
93)	Fluoranthene	12.404	202	5608475	48.916	ug/ml	#	92
94)	Benzidine	12.557	184	3596429	57.780	ug/ml	#	94
95)	Pyrene	12.621	202	5910145	48.897	ug/ml		99
97)	Butyl benzyl phthalate	13.333	149	2771604	60.014	ug/ml		87
105)	Benzo(a)anthracene	13.874	228	6081522	45.640	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.868	252	2226835	50.512	ug/ml	#	97
107)	Chrysene	13.915	228	5551583	43.097	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.974	149	4291464	58.259	ug/ml	#	93
109)	Di-n-octylphthalate	14.662	149	7663610	62.856	ug/ml	#	72
110)	Benzo(b)fluoranthene	14.992	252	6049795	46.920	ug/ml	#	94
111)	Benzo(k)fluoranthene	15.021	252	5651954M3	46.232	ug/ml		
112)	Benzo(a)pyrene	15.310	252	5512474M2	49.251	ug/ml		
114)	Indeno(1,2,3-cd)pyrene	16.380	276	5536258M6	53.154	ug/mL		
115)	Dibenzo(a,h)anthracene	16.404	278	5243490	52.291	ug/ml	#	90
116)	Benzo(ghi)perylene	16.651	276	4360525	46.984	ug/ml	#	87

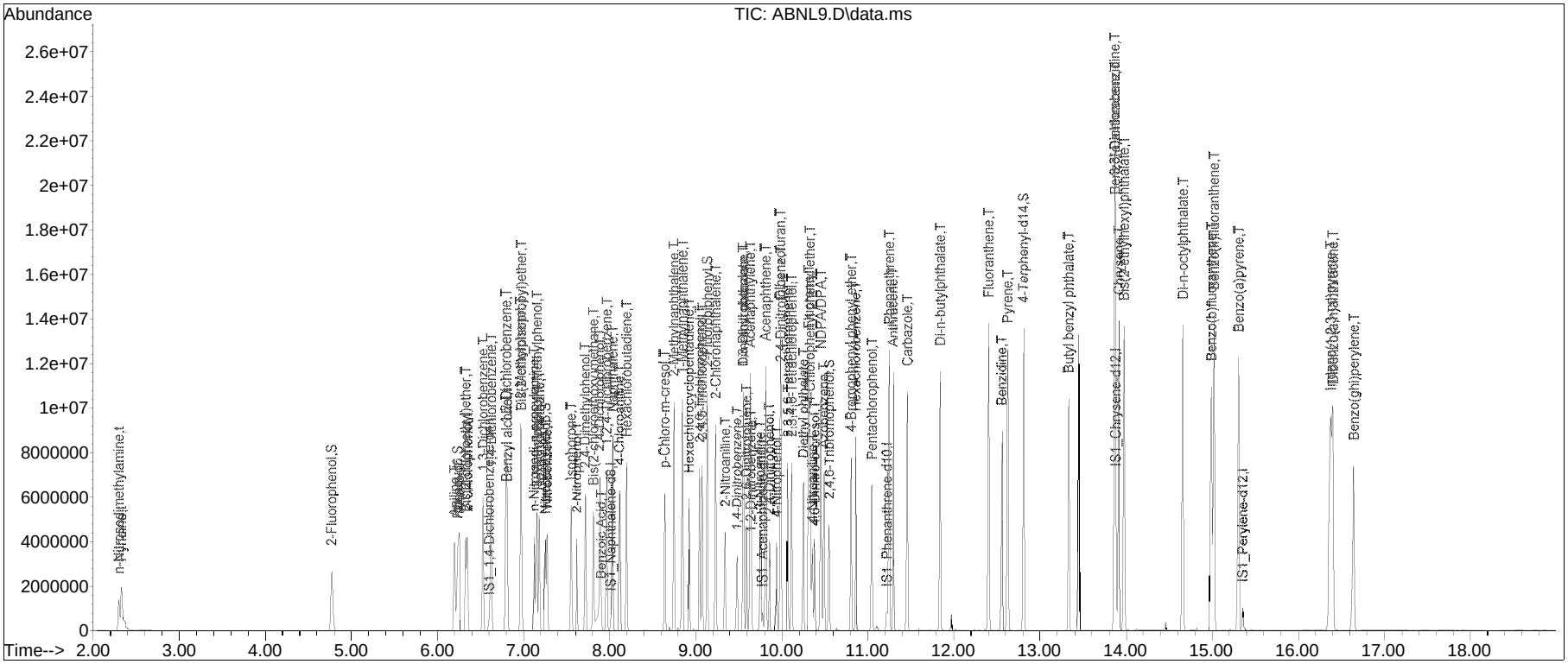
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL9.D
Acq On : 9 Oct 2024 8:07 pm
Operator : SV106:HNY
Sample : IL2,32,,ABNL50 Lot# 11004
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 11:41:27 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

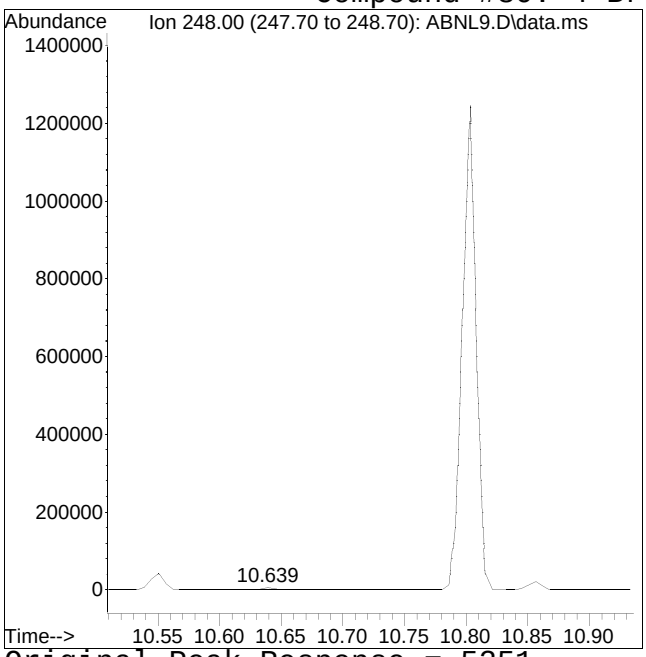
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

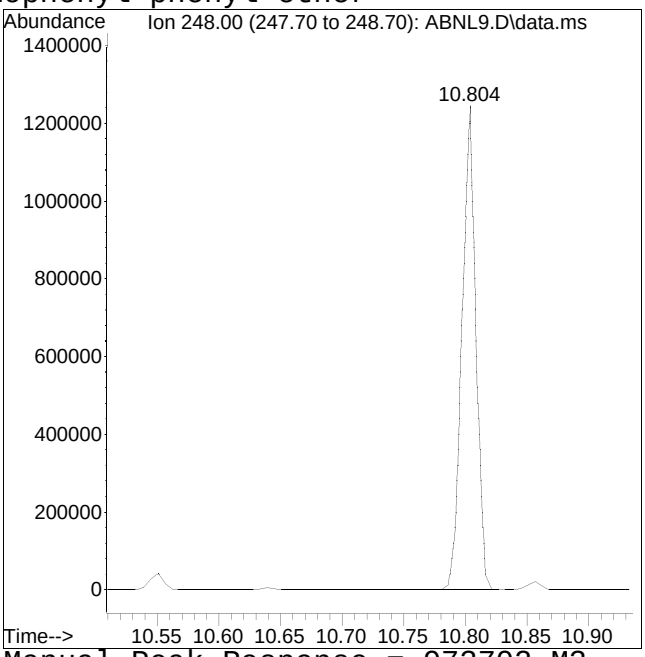


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #80: 4-Bromophenyl phenyl ether





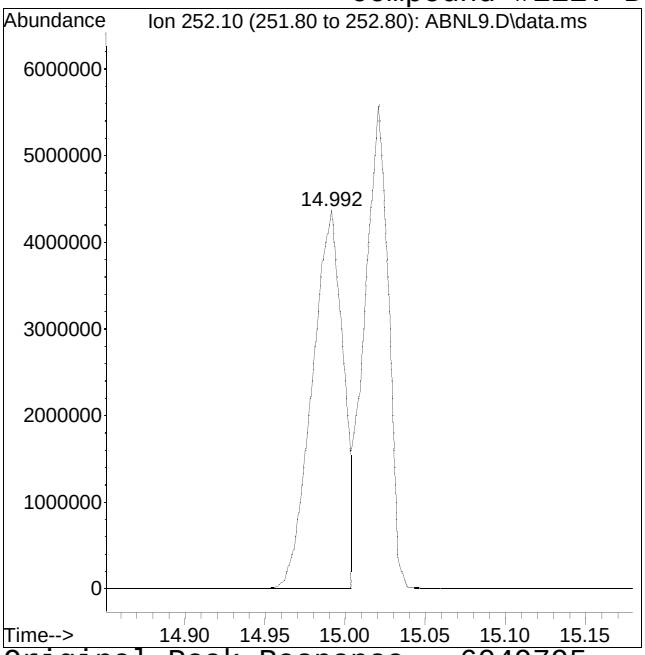
Original Peak Response = 5251 Manual Peak Response = 973702 M3

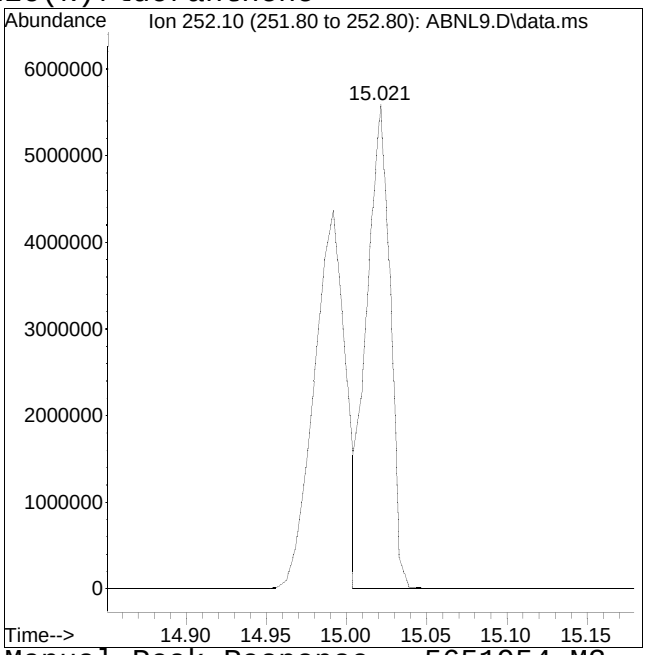
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #111: Benzo(k)fluoranthene



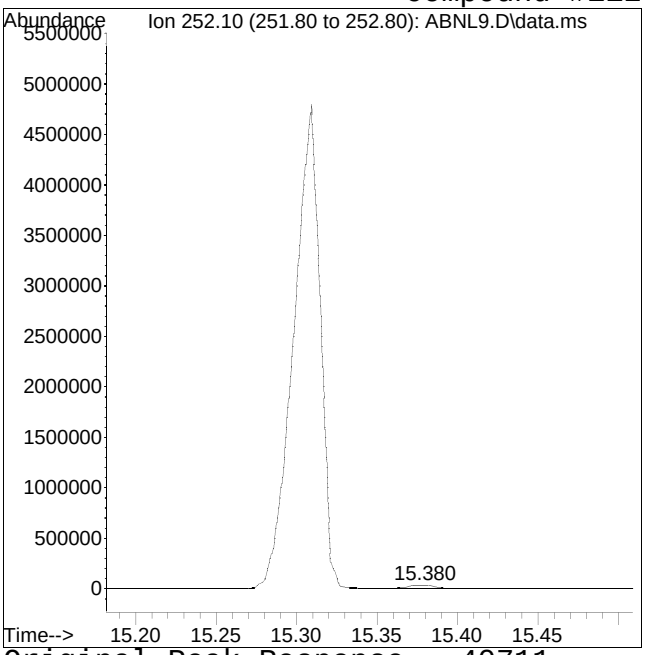


Original Peak Response = 6049795 Manual Peak Response = 5651954 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

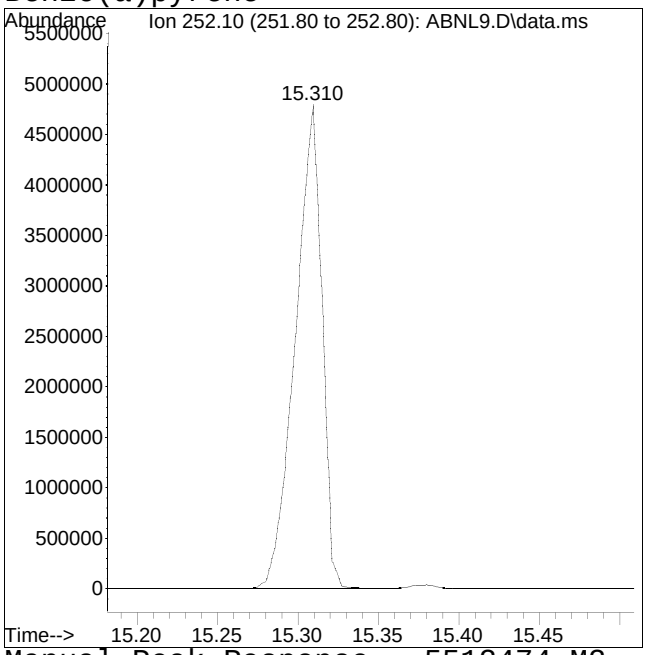
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 40711



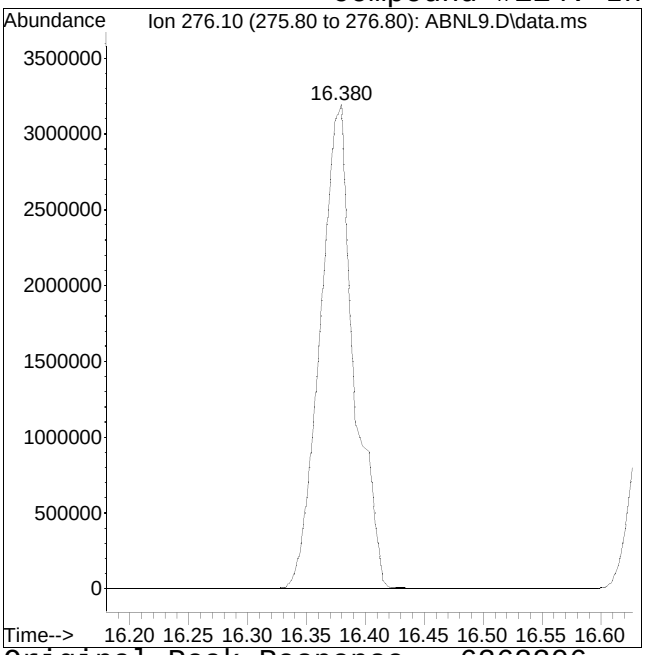
Manual Peak Response = 5512474 M2

M2 = Peak not found by automatic integration algorithm.

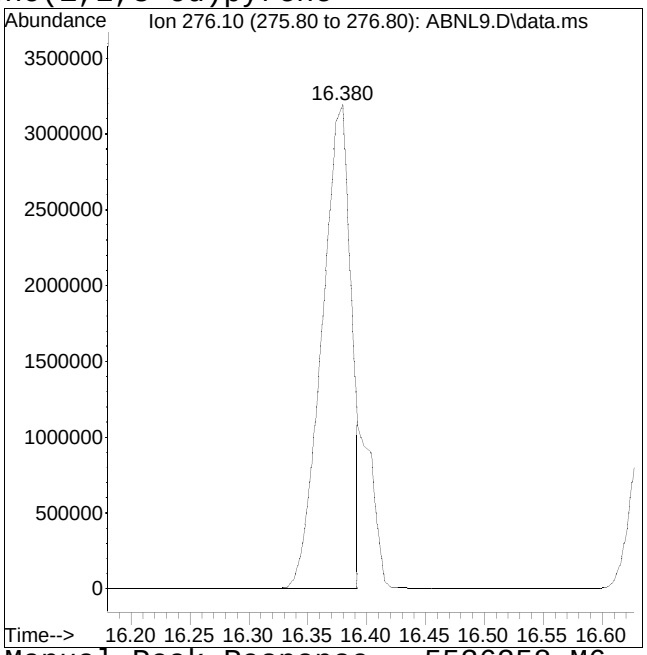
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL9.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:07 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11004 Quant Date : 10/11/2024 11:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 6362306



Manual Peak Response = 5536258 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	69692	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 100.57%			
35) IS1_Naphthalene-d8	8.010	136	258719	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.78%			
63) IS1_Acenaphthene-d10	9.775	164	154939	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 92.79%			
88) IS1_Phenanthrene-d10	11.216	188	294376	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 90.17%			
104) IS1_Chrysene-d12	13.874	240	314886	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 89.00%			
113) IS1_Perylene-d12	15.345	264	342705	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 90.25%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.769	112	549260	27.268	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1363.40%#			
7) Phenol-d6	6.228	99	649095	23.539	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1176.95%#			
19) Nitrobenzene-d5	7.245	82	595158	21.104	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2110.40%#			
46) 2-Fluorobiphenyl	9.128	172	1461913	22.004	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2200.40%#			
79) 2,4,6-Tribromophenol	10.545	330	227738	23.583	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1179.15%#			
96) 4-Terphenyl-d14	12.804	244	1972266	24.917	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2491.70%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.293	74	330743	22.301	ug/ml#	67
3) Pyridine	2.328	79	525087	21.645	ug/ml#	65
5) Aniline	6.198	93	803286	22.506	ug/ml	96
6) 2-Chlorophenol	6.346	128	601267	26.797	ug/ml	91
8) Phenol	6.246	94	680744	23.798	ug/ml	95
9) Bis(2-chloroethyl)ether	6.322	93	541237	23.040	ug/ml#	85
10) 1,3-Dichlorobenzene	6.528	146	718099	26.651	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	724265	26.563	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	688287	25.951	ug/ml	97

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	468603	21.220	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	842726	22.329	ug/ml#	56
15) 2-Methylphenol	6.969	108	500029	24.269	ug/ml	98
16) Hexachloroethane	7.181	117	266748	24.587	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.122	70	409377	22.231	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.151	108	541583	24.305	ug/ml	98
20) Nitrobenzene	7.269	77	600184	20.964	ug/ml	96
21) Isophorone	7.545	82	1067020	22.188	ug/ml	99
22) 2-Nitrophenol	7.622	139	336029	27.880	ug/ml#	87
23) 2,4-Dimethylphenol	7.716	107	479645	21.153	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	685342	22.126	ug/ml	99
25) 2,4-Dichlorophenol	7.887	162	555272	25.848	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	611172	23.231	ug/ml	96
36) Naphthalene	8.034	128	1787204	24.097	ug/ml	100
37) Benzoic Acid	7.857	105	446018	22.358	ug/ml	94
38) 4-Chloroaniline	8.110	65	209528	19.161	ug/ml	74
39) Hexachlorobutadiene	8.198	225	380449	19.436	ug/ml	100
40) p-Chloro-m-cresol	8.634	107	507159	22.885	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	1213431	24.549	ug/ml	97
42) 1-Methylnaphthalene	8.845	115	388324	20.688	ug/ml	97
43) Hexachlorocyclopentadiene	8.922	237	433985	19.986	ug/ml	100
44) 2,4,6-Trichlorophenol	9.039	196	454935	23.403	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	473916	22.767	ug/ml	100
47) 2-Chloronaphthalene	9.228	162	1234483	23.486	ug/ml	96
48) 2-Nitroaniline	9.339	138	389403	24.591	ug/ml#	82
49) 1,4-Dinitrobenzene	9.475	168	200966M3	24.114	ug/ml	
50) 1,3-Dinitrobenzene	9.551	168	215931	22.737	ug/ml#	1
51) Dimethyl phthalate	9.545	163	1415733	22.131	ug/ml#	98
52) Acenaphthylene	9.628	152	1883367	23.407	ug/ml	99
53) 2,6-Dinitrotoluene	9.586	165	317392	23.044	ug/ml#	72
54) 1,2-Dinitrobenzene	9.634	168	130396	22.203	ug/ml#	1
64) 3-Nitroaniline	9.745	138	335120	27.090	ug/ml#	90
65) Acenaphthene	9.804	154	1111714	24.900	ug/ml	92
66) 2,4-Dinitrophenol	9.845	184	233112	28.217	ug/ml#	83
67) Dibenzofuran	9.975	168	1754838	23.400	ug/ml	96
68) 2,4-Dinitrotoluene	9.981	165	438832	23.860	ug/ml	86
69) 4-Nitrophenol	9.928	65	258141	20.606	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.063	232	418301	23.883	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	392681	23.308	ug/ml		97
72)	Diethyl phthalate	10.239	149	1460423	24.651	ug/ml		99
73)	Fluorene	10.310	166	1380410	23.406	ug/ml		94
74)	4-Chlorophenyl phenyl ...	10.328	204	693168	22.331	ug/ml		89
75)	4-Nitroaniline	10.339	138	344590	26.755	ug/ml	#	80
76)	4,6-Dinitro-o-cresol	10.375	198	290744	28.202	ug/ml	#	58
77)	NDPA/DPA	10.445	169	1205904	24.658	ug/ml		99
78)	Azobenzene	10.481	77	1187171	21.197	ug/ml	#	91
80)	4-Bromophenyl phenyl e...	10.798	248	431456M3	22.278	ug/ml		
81)	Hexachlorobenzene	10.851	284	480648	21.819	ug/ml	#	83
82)	Pentachlorophenol	11.045	266	340151	24.313	ug/ml		99
89)	Phenanthrene	11.239	178	2104839	25.602	ug/ml		100
90)	Anthracene	11.286	178	2154475	26.357	ug/ml		100
91)	Carbazole	11.457	167	2004699	26.767	ug/ml		100
92)	Di-n-butylphthalate	11.839	149	2635226	29.957	ug/ml	#	98
93)	Fluoranthene	12.398	202	2548112	25.350	ug/ml	#	92
94)	Benzidine	12.551	184	1602442	29.366	ug/ml	#	95
95)	Pyrene	12.616	202	2656050	25.066	ug/ml		100
97)	Butyl benzyl phthalate	13.333	149	1187650	29.334	ug/ml		87
105)	Benzo(a)anthracene	13.863	228	2736082	23.514	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.863	252	1015007	26.366	ug/ml	#	97
107)	Chrysene	13.904	228	2548395	22.655	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.969	149	1820683	28.305	ug/ml	#	93
109)	Di-n-octylphthalate	14.657	149	3257778	30.599	ug/ml	#	72
110)	Benzo(b)fluoranthene	14.980	252	2684585	23.843	ug/ml	#	94
111)	Benzo(k)fluoranthene	15.010	252	2622344	24.564	ug/ml	#	94
112)	Benzo(a)pyrene	15.298	252	2491135	25.488	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.363	276	2826049M6	30.486	ug/mL		
115)	Dibenzo(a,h)anthracene	16.386	278	2574655	28.849	ug/ml	#	90
116)	Benzo(ghi)perylene	16.633	276	2402943	29.091	ug/ml	#	87

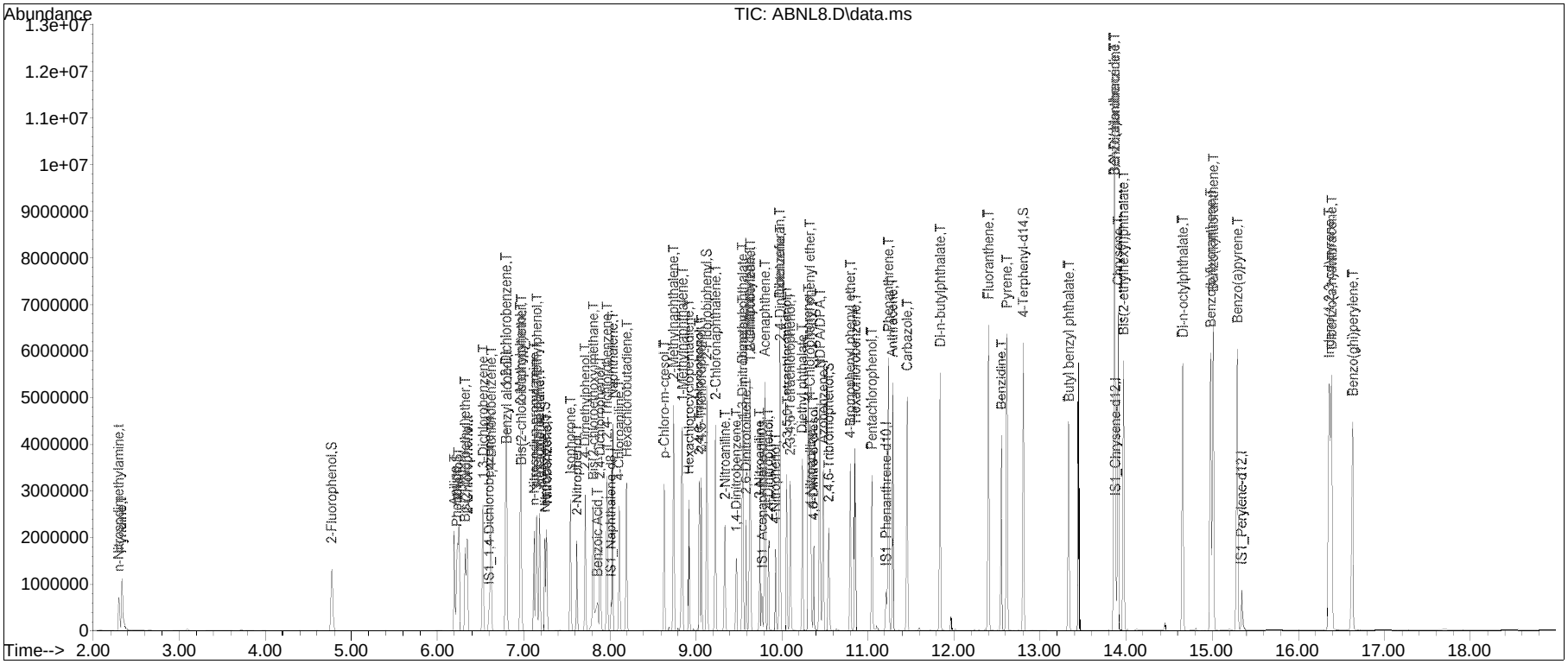
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL8.D
Acq On : 9 Oct 2024 8:30 pm
Operator : SV106:HNY
Sample : IL3,32,,ABNL25 Lot# 11005
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 11:39:19 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

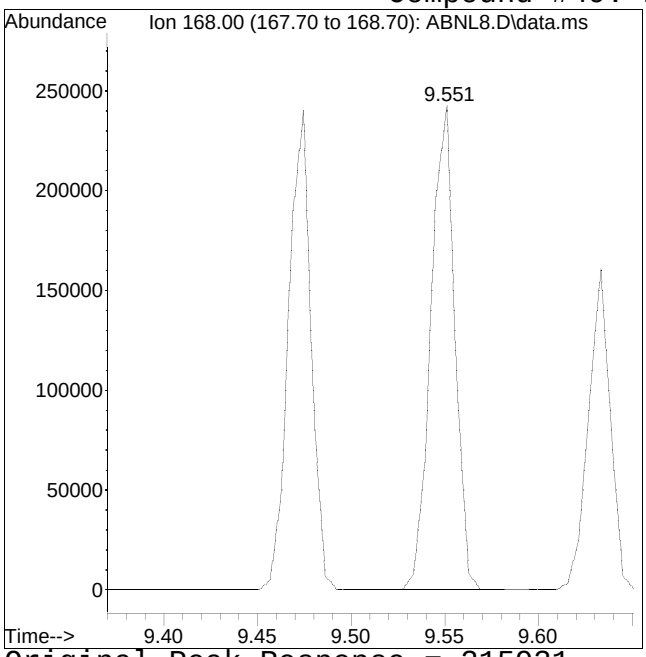
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

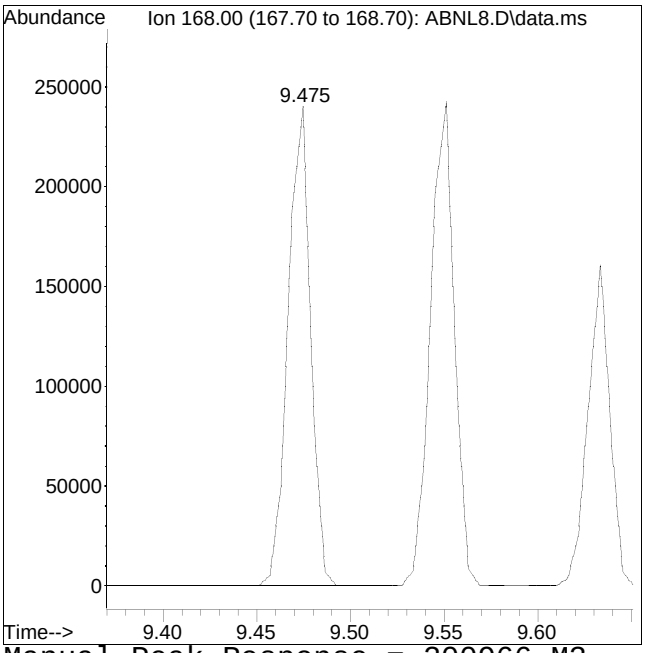


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene



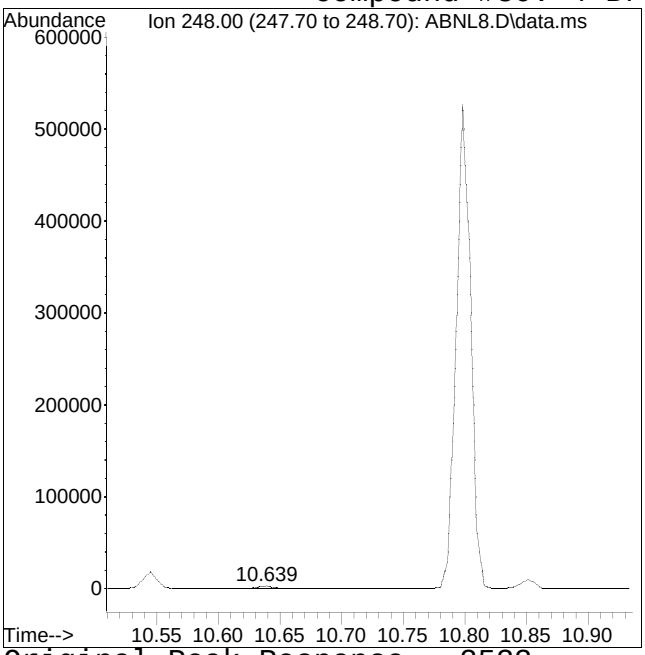


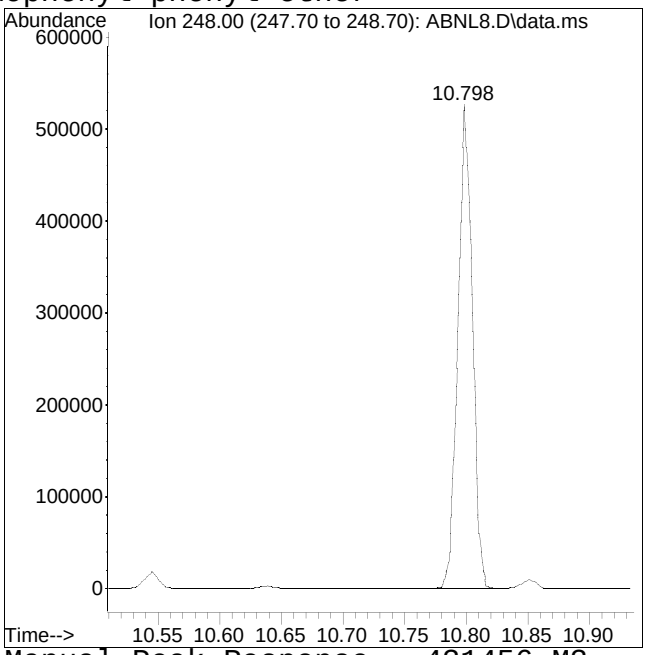
Original Peak Response = 215931 Manual Peak Response = 200966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #80: 4-Bromophenyl phenyl ether





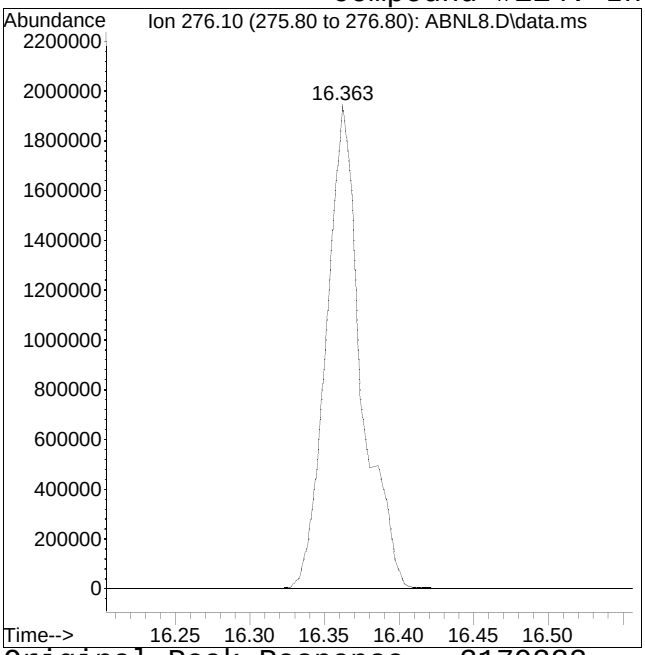
Original Peak Response = 2533 Manual Peak Response = 431456 M3

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

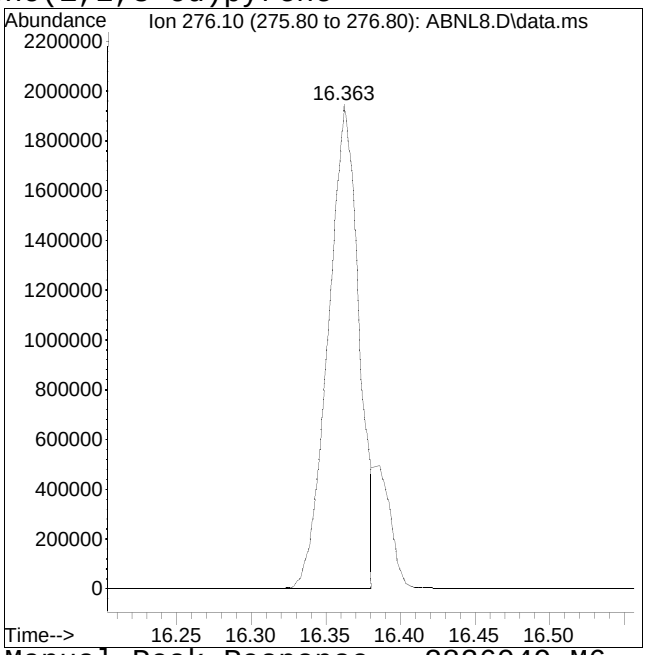
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL8.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:30 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11005 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3179333



Manual Peak Response = 2826049 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	74123	4.000	ug/ml	# 0.00
Standard Area 1 = 69296			Recovery = 106.97%			
35) IS1_Naphthalene-d8	8.010	136	279694	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 105.71%			
63) IS1_Acenaphthene-d10	9.775	164	172802	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 103.49%			
88) IS1_Phenanthrene-d10	11.216	188	346318	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 106.08%			
104) IS1_Chrysene-d12	13.868	240	380782	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 107.62%			
113) IS1_Perylene-d12	15.345	264	393856	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 103.72%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	218401	10.194	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 509.70%#			
7) Phenol-d6	6.228	99	266712	9.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 454.70%#			
19) Nitrobenzene-d5	7.245	82	246307	8.212	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 821.20%#			
46) 2-Fluorobiphenyl	9.128	172	626231	8.719	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 871.90%#			
79) 2,4,6-Tribromophenol	10.545	330	100484	9.330	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 466.50%#			
96) 4-Terphenyl-d14	12.804	244	911314	9.786	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 978.60%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.305	74	134103	8.502	ug/ml#	68
3) Pyridine	2.340	79	216081	8.375	ug/ml#	66
5) Aniline	6.198	93	326188	8.593	ug/ml	97
6) 2-Chlorophenol	6.340	128	246173	10.316	ug/ml	92
8) Phenol	6.245	94	279454	9.185	ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	225102	9.009	ug/ml	86
10) 1,3-Dichlorobenzene	6.528	146	294086	10.262	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	293845	10.133	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	283461	10.049	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	193962	8.258	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.975	45	349801	8.714	ug/ml#	57
15) 2-Methylphenol	6.963	108	203931	9.306	ug/ml	97
16) Hexachloroethane	7.181	117	108287	9.384	ug/ml#	62
17) n-Nitrosodi-n-propylamine	7.122	70	169671	8.663	ug/ml	97
18) 3-Methylphenol/4-Methy...	7.151	108	222673	9.395	ug/ml	96
20) Nitrobenzene	7.269	77	252563	8.294	ug/ml	98
21) Isophorone	7.545	82	446178	8.723	ug/ml	99
22) 2-Nitrophenol	7.622	139	133535	10.417	ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	200205	8.302	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	292285	8.872	ug/ml	99
25) 2,4-Dichlorophenol	7.881	162	228319	9.993	ug/ml	94
26) 1,2,4-Trichlorobenzene	7.963	180	255921	9.146	ug/ml	97
36) Naphthalene	8.034	128	745981	9.304	ug/ml	99
37) Benzoic Acid	7.822	105	169956	8.433	ug/ml	95
38) 4-Chloroaniline	8.110	65	87849	7.431	ug/ml	73
39) Hexachlorobutadiene	8.198	225	158039	7.468	ug/ml	100
40) p-Chloro-m-cresol	8.633	107	212079	8.852	ug/ml	93
41) 2-Methylnaphthalene	8.745	142	507496	9.497	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	161285	7.948	ug/ml	93
43) Hexachlorocyclopentadiene	8.922	237	181287	7.723	ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	194353	9.248	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	200910	8.928	ug/ml	98
47) 2-Chloronaphthalene	9.228	162	533279	9.385	ug/ml	96
48) 2-Nitroaniline	9.339	138	168307	9.831	ug/ml#	82
49) 1,4-Dinitrobenzene	9.469	168	85945	9.539	ug/ml#	72
50) 1,3-Dinitrobenzene	9.545	168	95905	9.341	ug/ml#	1
51) Dimethyl phthalate	9.539	163	633492	9.160	ug/ml#	98
52) Acenaphthylene	9.628	152	813240	9.349	ug/ml	100
53) 2,6-Dinitrotoluene	9.586	165	139583	9.374	ug/ml#	73
54) 1,2-Dinitrobenzene	9.628	168	59620	9.390	ug/ml#	1
64) 3-Nitroaniline	9.739	138	145058	10.514	ug/ml#	92
65) Acenaphthene	9.804	154	475284	9.545	ug/ml	91
66) 2,4-Dinitrophenol	9.845	184	96630	10.487	ug/ml#	83
67) Dibenzofuran	9.975	168	758470	9.069	ug/ml	95
68) 2,4-Dinitrotoluene	9.975	165	189184	9.223	ug/ml	87
69) 4-Nitrophenol	9.928	65	111120	7.953	ug/ml#	79
70) 2,3,5,6-Tetrachlorophenol	10.063	232	180474	9.239	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2,3,4,6-Tetrachlorophenol	10.104	232	172491	9.180	ug/ml	97
72) Diethyl phthalate	10.239	149	638510	9.663	ug/ml	99
73) Fluorene	10.310	166	611701	9.300	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.328	204	306584	8.856	ug/ml	89
75) 4-Nitroaniline	10.333	138	151370	10.538	ug/ml#	79
76) 4,6-Dinitro-o-cresol	10.369	198	123077	10.704	ug/ml#	58
77) NDPA/DPA	10.439	169	538785	9.878	ug/ml	99
78) Azobenzene	10.475	77	521328	8.346	ug/ml#	90
80) 4-Bromophenyl phenyl e...	10.798	248	194301M3	8.996	ug/ml	
81) Hexachlorobenzene	10.851	284	212215	8.638	ug/ml#	82
82) Pentachlorophenol	11.045	266	147530	9.455	ug/ml	99
89) Phenanthrene	11.239	178	949421	9.816	ug/ml	99
90) Anthracene	11.286	178	962312	10.007	ug/ml	100
91) Carbazole	11.451	167	895995	10.169	ug/ml	99
92) Di-n-butylphthalate	11.839	149	1193514	11.533	ug/ml	99
93) Fluoranthene	12.398	202	1144667	9.680	ug/ml#	92
94) Benzidine	12.545	184	736147	11.467	ug/ml#	95
95) Pyrene	12.616	202	1216186	9.756	ug/ml	99
97) Butyl benzyl phthalate	13.327	149	534359	11.219	ug/ml	87
105) Benzo(a)anthracene	13.863	228	1232284	8.758	ug/ml	100
106) 3,3'-Dichlorobenzidine	13.857	252	449887	9.664	ug/ml#	97
107) Chrysene	13.898	228	1150295	8.457	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.968	149	854452	10.985	ug/ml#	93
109) Di-n-octylphthalate	14.651	149	1479451	11.491	ug/ml#	72
110) Benzo(b)fluoranthene	14.974	252	1282730	9.421	ug/ml#	91
111) Benzo(k)fluoranthene	15.004	252	1069880	8.288	ug/ml#	92
112) Benzo(a)pyrene	15.292	252	1088576M2	9.210	ug/ml	
114) Indeno(1,2,3-cd)pyrene	16.357	276	1235655M6	11.598	ug/mL	
115) Dibenzo(a,h)anthracene	16.380	278	1135928	11.075	ug/ml#	90
116) Benzo(ghi)perylene	16.621	276	1063003	11.198	ug/ml#	87

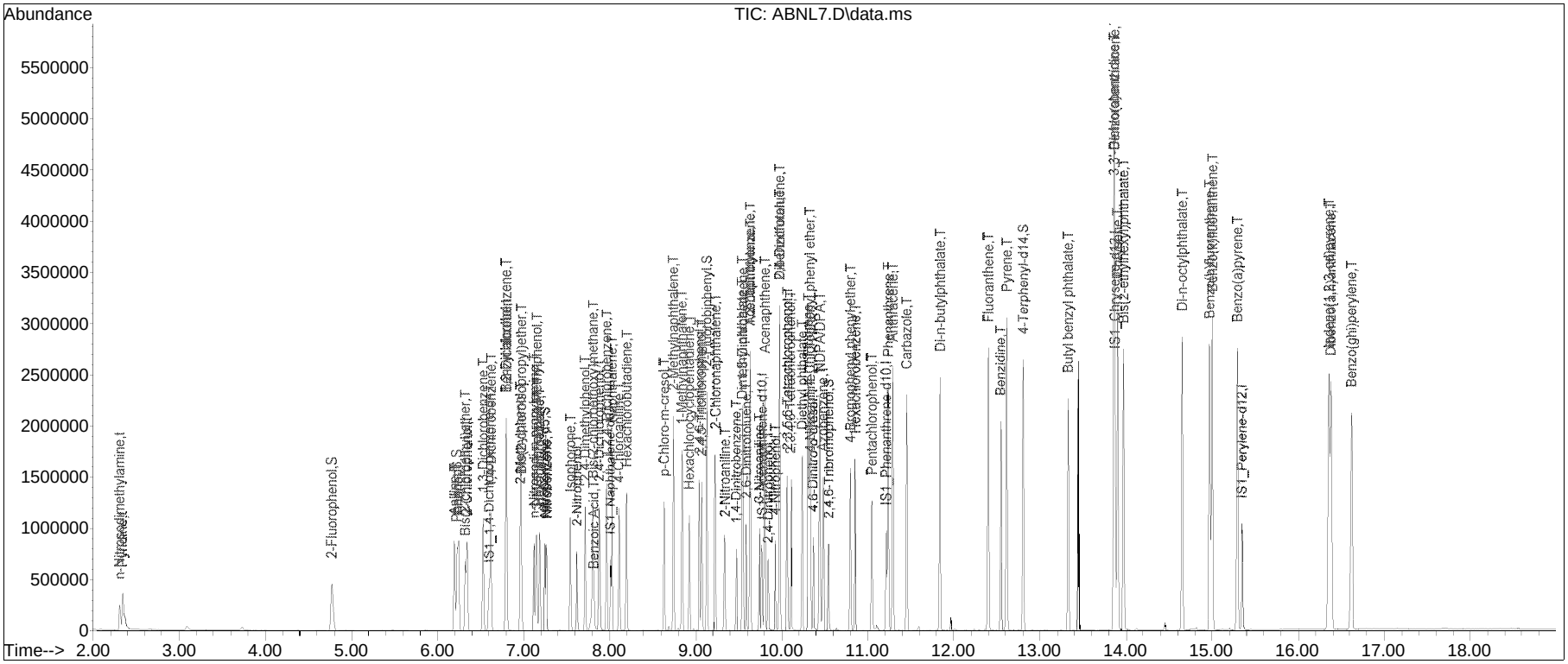
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL7.D
Acq On : 9 Oct 2024 8:54 pm
Operator : SV106:HNY
Sample : IL4,32,,ABNL10 Lot# 11006
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 11:38:05 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

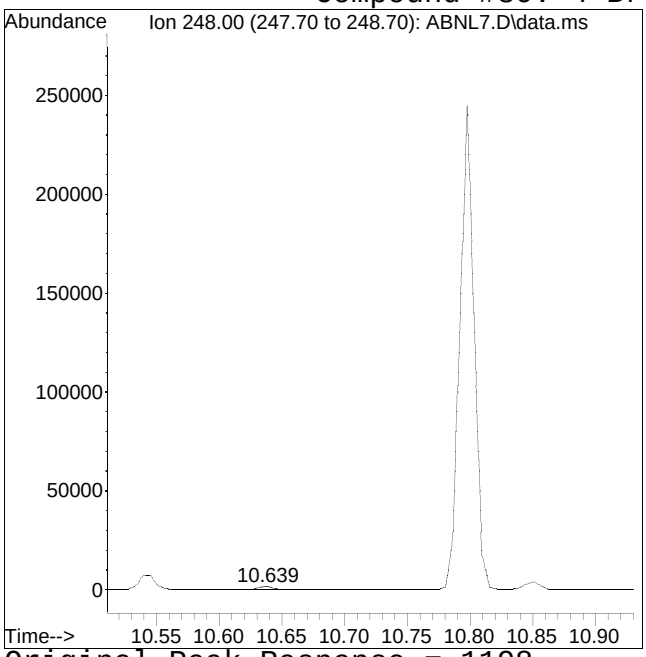
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

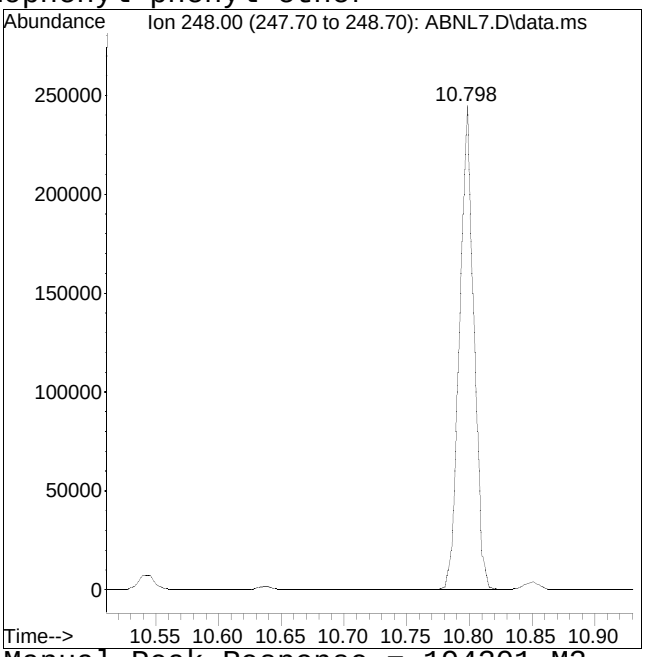


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #80: 4-Bromophenyl phenyl ether





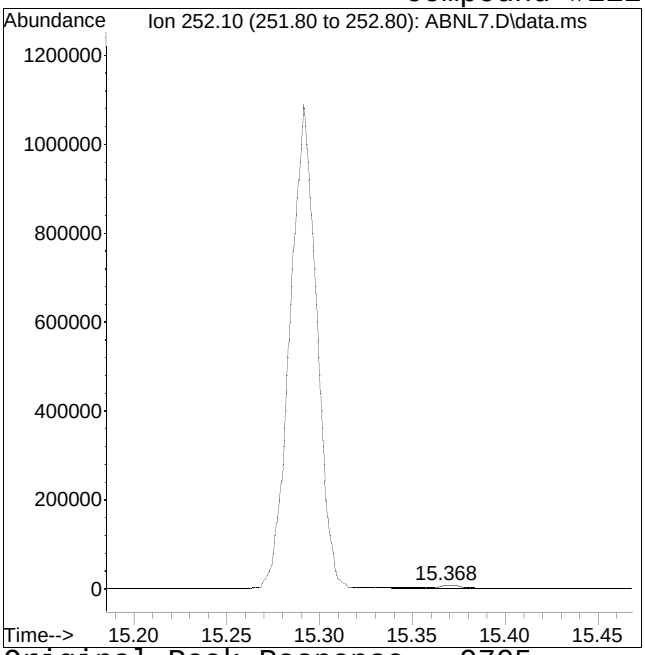
Original Peak Response = 1198 Manual Peak Response = 194301 M3

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

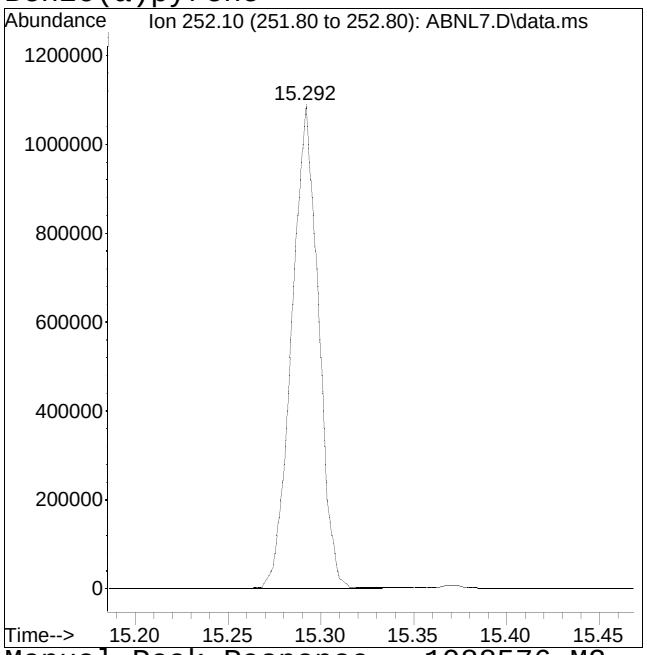
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 9705



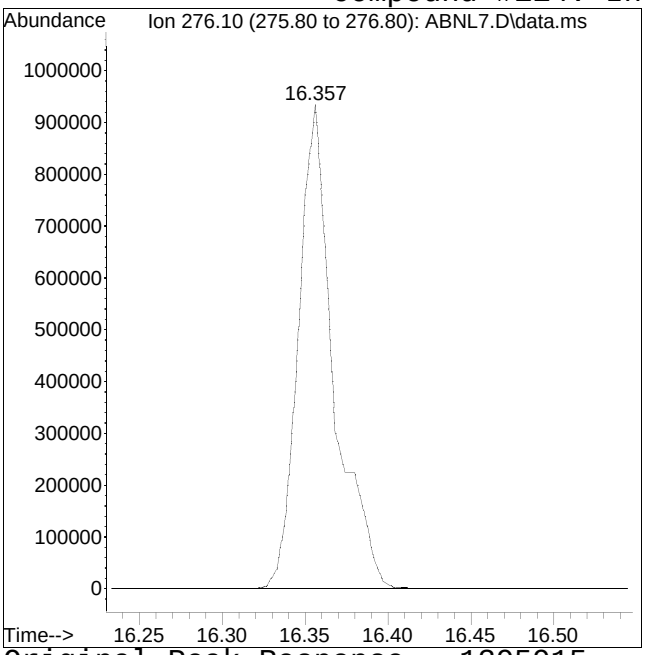
Manual Peak Response = 1088576 M2

M2 = Peak not found by automatic integration algorithm.

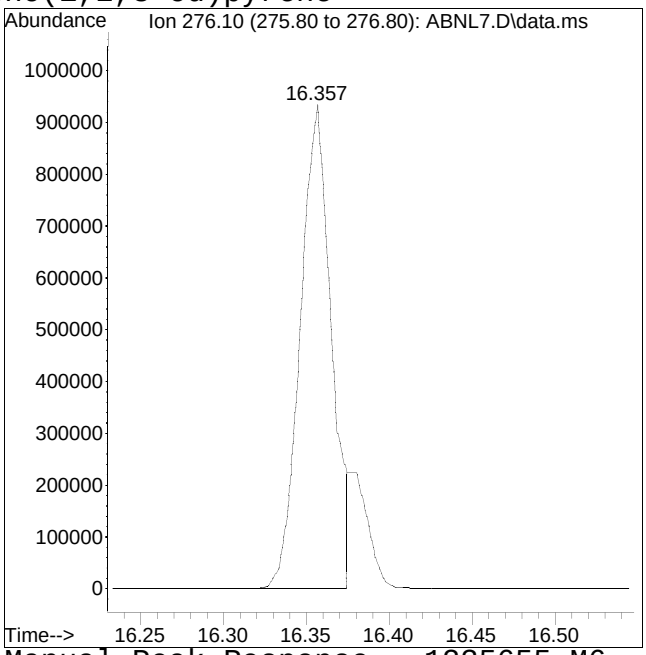
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL7.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 8:54 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11006 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1395915



Manual Peak Response = 1235655 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	69296	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 100.00%			
35) IS1_Naphthalene-d8	8.010	136	264583	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	9.769	164	166975	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	11.216	188	326455	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 100.00%			
104) IS1_Chrysene-d12	13.868	240	353807	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 100.00%			
113) IS1_Perylene-d12	15.345	264	379737	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	106392	5.312	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 265.60%#			
7) Phenol-d6	6.228	99	127394	4.646	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 232.30%#			
19) Nitrobenzene-d5	7.245	82	118933	4.241	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 424.10%#			
46) 2-Fluorobiphenyl	9.127	172	303510	4.467	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.70%#			
79) 2,4,6-Tribromophenol	10.545	330	47874	4.600	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 230.00%#			
96) 4-Terphenyl-d14	12.804	244	432325	4.925	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 492.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.304	74	65510	4.442	ug/ml#	67
3) Pyridine	2.340	79	104822	4.346	ug/ml#	64
5) Aniline	6.198	93	157418	4.436	ug/ml	96
6) 2-Chlorophenol	6.339	128	120089	5.383	ug/ml	92
8) Phenol	6.245	94	135949	4.780	ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	111711	4.783	ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	141682	5.288	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	143120	5.279	ug/ml	97
12) 1,2-Dichlorobenzene	6.798	146	139337	5.284	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	92144	4.196	ug/ml	99
14) Bis(2-chloroisopropyl)...	6.975	45	170670	4.548	ug/ml#	58
15) 2-Methylphenol	6.963	108	98765	4.821	ug/ml	99
16) Hexachloroethane	7.181	117	52022	4.822	ug/ml#	61
17) n-Nitrosodi-n-propylamine	7.122	70	83145	4.541	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.145	108	108248	4.886	ug/ml	98
20) Nitrobenzene	7.269	77	119875	4.211	ug/ml	97
21) Isophorone	7.539	82	214897	4.494	ug/ml	99
22) 2-Nitrophenol	7.622	139	65108	5.433	ug/ml#	87
23) 2,4-Dimethylphenol	7.716	107	97372	4.319	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	142321	4.621	ug/ml	98
25) 2,4-Dichlorophenol	7.880	162	112858	5.284	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.963	180	122241	4.673	ug/ml	96
36) Naphthalene	8.033	128	360278	4.750	ug/ml	100
37) Benzoic Acid	7.798	105	70508	3.951	ug/ml	92
38) 4-Chloroaniline	8.110	65	42744	3.822	ug/ml	75
39) Hexachlorobutadiene	8.198	225	79068	3.950	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	100818	4.448	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	247048	4.887	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	78250	4.076	ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	86254	3.884	ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	94100	4.733	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	95342	4.479	ug/ml	99
47) 2-Chloronaphthalene	9.222	162	254190	4.729	ug/ml	95
48) 2-Nitroaniline	9.333	138	77370	4.778	ug/ml#	83
49) 1,4-Dinitrobenzene	9.469	168	40269	4.725	ug/ml#	73
50) 1,3-Dinitrobenzene	9.545	168	44940	4.627	ug/ml#	1
51) Dimethyl phthalate	9.539	163	311840	4.767	ug/ml#	99
52) Acenaphthylene	9.627	152	389169	4.730	ug/ml	99
53) 2,6-Dinitrotoluene	9.580	165	67434	4.787	ug/ml#	72
54) 1,2-Dinitrobenzene	9.627	168	28290	4.710	ug/ml#	1
64) 3-Nitroaniline	9.739	138	69790	5.235	ug/ml#	92
65) Acenaphthene	9.804	154	230981	4.800	ug/ml	92
66) 2,4-Dinitrophenol	9.839	184	41274	4.636	ug/ml#	85
67) Dibenzofuran	9.974	168	368723	4.562	ug/ml	95
68) 2,4-Dinitrotoluene	9.974	165	91370	4.610	ug/ml	88
69) 4-Nitrophenol	9.922	65	53228	3.943	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	10.063	232	84691	4.487	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	83438	4.596	ug/ml	98
72)	Diethyl phthalate	10.233	149	309080	4.841	ug/ml	99
73)	Fluorene	10.310	166	297535	4.681	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.327	204	150570	4.501	ug/ml	89
75)	4-Nitroaniline	10.333	138	69338	4.996	ug/ml#	80
76)	4,6-Dinitro-o-cresol	10.369	198	54901	4.941	ug/ml#	60
77)	NDPA/DPA	10.439	169	262130	4.974	ug/ml	99
78)	Azobenzene	10.474	77	258347	4.280	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.798	248	94725	4.539	ug/ml#	83
81)	Hexachlorobenzene	10.851	284	103176	4.346	ug/ml#	82
82)	Pentachlorophenol	11.045	266	67884	4.502	ug/ml	98
89)	Phenanthrene	11.233	178	458834	5.032	ug/ml	100
90)	Anthracene	11.286	178	455499	5.025	ug/ml	99
91)	Carbazole	11.451	167	426360	5.133	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	551825	5.657	ug/ml	99
93)	Fluoranthene	12.392	202	549789	4.932	ug/ml#	93
94)	Benzidine	12.545	184	343170	5.671	ug/ml#	95
95)	Pyrene	12.615	202	575183	4.895	ug/ml	100
97)	Butyl benzyl phthalate	13.327	149	244971	5.456	ug/ml	86
105)	Benzo(a)anthracene	13.857	228	581936	4.451	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.857	252	207146	4.789	ug/ml#	96
107)	Chrysene	13.898	228	557157	4.408	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	396173	5.481	ug/ml#	93
109)	Di-n-octylphthalate	14.651	149	665863	5.566	ug/ml#	72
110)	Benzo(b)fluoranthene	14.974	252	568512	4.494	ug/ml#	95
111)	Benzo(k)fluoranthene	14.998	252	555881	4.634	ug/ml#	94
112)	Benzo(a)pyrene	15.292	252	512962	4.671	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	574632M6	5.594	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	551268	5.574	ug/ml#	89
116)	Benzo(ghi)perylene	16.621	276	515451	5.632	ug/ml#	87

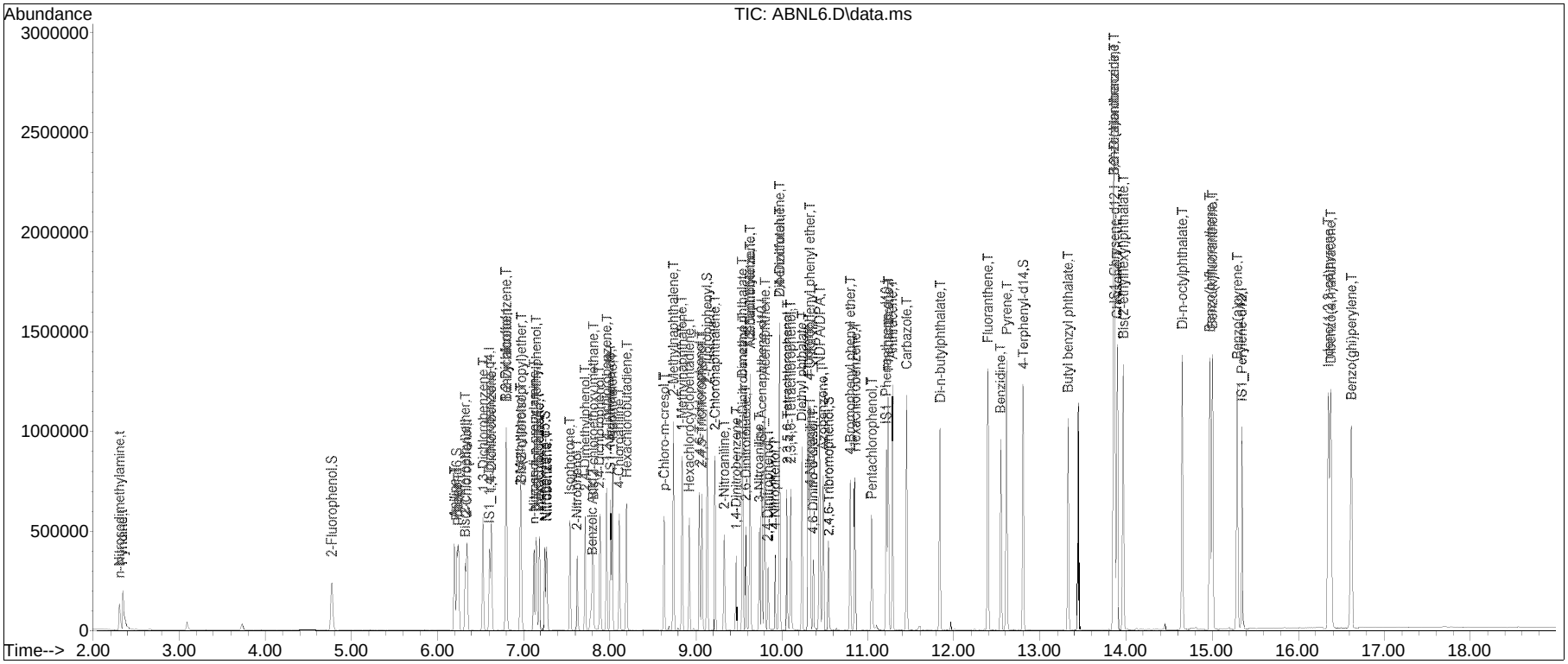
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL6.D
Acq On : 9 Oct 2024 9:18 pm
Operator : SV106:HNY
Sample : IL5,32,,ABNL5 Lot# 11007
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 11:36:50 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

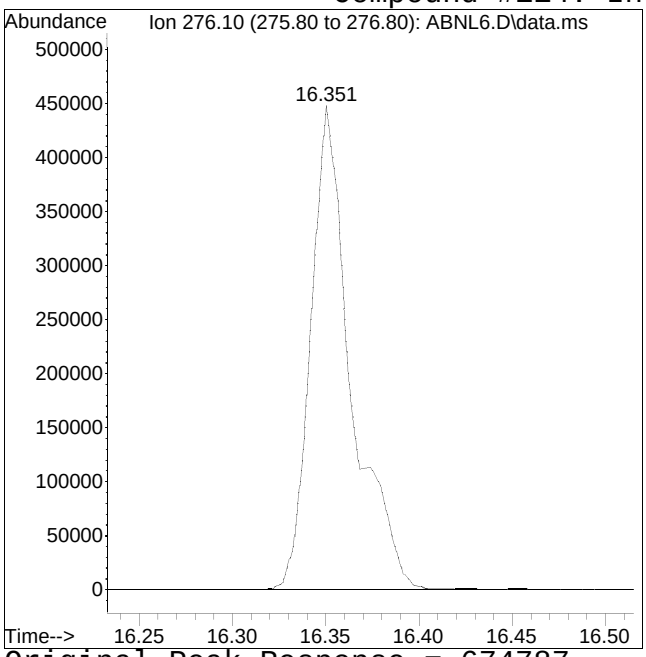
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



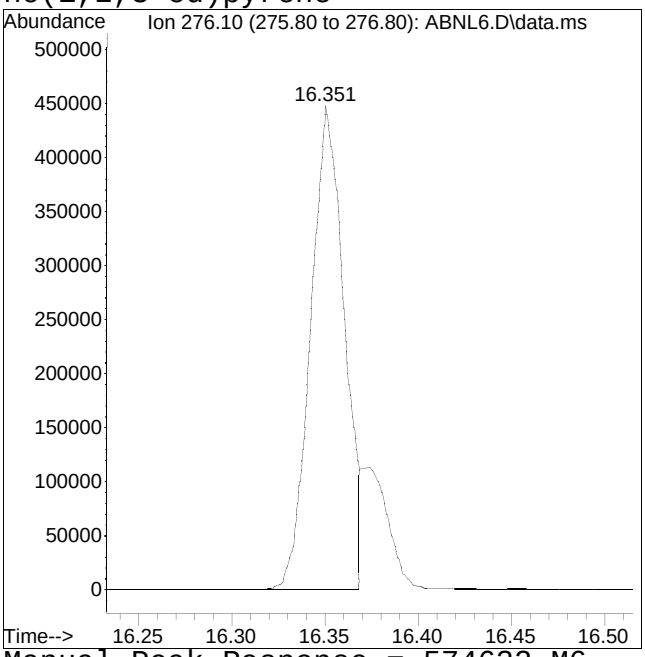
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL6.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:18 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11007 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 674787



Manual Peak Response = 574632 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	70308	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 101.46%			
35) IS1_Naphthalene-d8	8.010	136	261601	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 98.87%			
63) IS1_Acenaphthene-d10	9.769	164	159180	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 95.33%			
88) IS1_Phenanthrene-d10	11.216	188	298592	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 91.46%			
104) IS1_Chrysene-d12	13.868	240	303536	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 85.79%			
113) IS1_Perylene-d12	15.345	264	322402	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 84.90%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	49767	2.449	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 122.45%#			
7) Phenol-d6	6.228	99	59577	2.142	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 107.10%			
19) Nitrobenzene-d5	7.245	82	53025	1.864	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 186.40%#			
46) 2-Fluorobiphenyl	9.127	172	132809	1.977	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 197.70%#			
79) 2,4,6-Tribromophenol	10.539	330	19676	1.983	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 99.15%			
96) 4-Terphenyl-d14	12.798	244	178058	2.218	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 221.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.304	74	31362	2.096	ug/ml#	66
3) Pyridine	2.346	79	51270	2.095	ug/ml#	65
5) Aniline	6.198	93	73427	2.039	ug/ml	95
6) 2-Chlorophenol	6.339	128	55505	2.452	ug/ml	91
8) Phenol	6.239	94	63157	2.189	ug/ml	96
9) Bis(2-chloroethyl)ether	6.322	93	50835	2.145	ug/ml	86
10) 1,3-Dichlorobenzene	6.528	146	68336	2.514	ug/ml	96
11) 1,4-Dichlorobenzene	6.622	146	67965	2.471	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	65663	2.454	ug/ml	97

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	40933	1.837	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.975	45	79423	2.086	ug/ml#	58
15) 2-Methylphenol	6.963	108	45021	2.166	ug/ml	98
16) Hexachloroethane	7.181	117	24560	2.244	ug/ml#	57
17) n-Nitrosodi-n-propylamine	7.122	70	36102	1.943	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.145	108	49194	2.188	ug/ml	99
20) Nitrobenzene	7.269	77	54168	1.875	ug/ml	98
21) Isophorone	7.545	82	93853	1.935	ug/ml	99
22) 2-Nitrophenol	7.622	139	28303	2.328	ug/ml	89
23) 2,4-Dimethylphenol	7.716	107	44311	1.937	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	63410	2.029	ug/ml	99
25) 2,4-Dichlorophenol	7.880	162	50081	2.311	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	57841	2.179	ug/ml	97
36) Naphthalene	8.033	128	165019	2.200	ug/ml	99
37) Benzoic Acid	7.786	105	25804	1.703	ug/ml	95
38) 4-Chloroaniline	8.110	65	18647	1.686	ug/ml#	71
39) Hexachlorobutadiene	8.198	225	35778	1.808	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	43135	1.925	ug/ml	96
41) 2-Methylnaphthalene	8.745	142	109920	2.199	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	34523	1.819	ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	38961	1.774	ug/ml	100
44) 2,4,6-Trichlorophenol	9.039	196	39763	2.023	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	42671	2.027	ug/ml	94
47) 2-Chloronaphthalene	9.222	162	112952	2.125	ug/ml	95
48) 2-Nitroaniline	9.333	138	30554	1.908	ug/ml	86
49) 1,4-Dinitrobenzene	9.469	168	16574M3	1.967	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	17671	1.840	ug/ml#	1
51) Dimethyl phthalate	9.539	163	133276	2.060	ug/ml#	99
52) Acenaphthylene	9.627	152	168894	2.076	ug/ml	100
53) 2,6-Dinitrotoluene	9.580	165	27352	1.964	ug/ml#	76
54) 1,2-Dinitrobenzene	9.622	168	11678	1.967	ug/ml#	1
64) 3-Nitroaniline	9.739	138	29627	2.331	ug/ml	89
65) Acenaphthene	9.804	154	99535	2.170	ug/ml	92
66) 2,4-Dinitrophenol	9.839	184	14006	1.650	ug/ml	90
67) Dibenzofuran	9.974	168	161528	2.097	ug/ml	97
68) 2,4-Dinitrotoluene	9.974	165	36737	1.944	ug/ml	93
69) 4-Nitrophenol	9.922	65	21637	1.681	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	10.063	232	35480	1.972	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	34361	1.985	ug/ml		97
72)	Diethyl phthalate	10.233	149	135002	2.218	ug/ml		100
73)	Fluorene	10.304	166	126199	2.083	ug/ml		96
74)	4-Chlorophenyl phenyl ...	10.327	204	62859	1.971	ug/ml		91
75)	4-Nitroaniline	10.327	138	30097	2.275	ug/ml	#	81
76)	4,6-Dinitro-o-cresol	10.369	198	21077	1.990	ug/ml	#	61
77)	NDPA/DPA	10.439	169	110592	2.201	ug/ml		98
78)	Azobenzene	10.474	77	108731	1.890	ug/ml	#	91
80)	4-Bromophenyl phenyl e...	10.798	248	39090	1.965	ug/ml	#	83
81)	Hexachlorobenzene	10.851	284	44860	1.982	ug/ml	#	83
82)	Pentachlorophenol	11.045	266	26444	1.840	ug/ml		97
89)	Phenanthrene	11.233	178	195650	2.346	ug/ml		99
90)	Anthracene	11.286	178	195835	2.362	ug/ml		99
91)	Carbazole	11.451	167	179581	2.364	ug/ml		99
92)	Di-n-butylphthalate	11.839	149	214953	2.409	ug/ml		99
93)	Fluoranthene	12.398	202	226775	2.224	ug/ml	#	92
94)	Benzidine	12.545	184	129726	2.344	ug/ml	#	95
95)	Pyrene	12.615	202	240698	2.239	ug/ml		99
97)	Butyl benzyl phthalate	13.327	149	90156	2.195	ug/ml		86
105)	Benzo(a)anthracene	13.857	228	234867	2.094	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.857	252	80905	2.180	ug/ml	#	97
107)	Chrysene	13.892	228	227893	2.102	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.968	149	145115	2.340	ug/ml	#	92
109)	Di-n-octylphthalate	14.651	149	232445	2.265	ug/ml	#	74
110)	Benzo(b)fluoranthene	14.974	252	236696	2.181	ug/ml	#	93
111)	Benzo(k)fluoranthene	14.998	252	212686	2.067	ug/ml	#	95
112)	Benzo(a)pyrene	15.286	252	205590	2.182	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	228073M6	2.615	ug/mL		
115)	Dibenzo(a,h)anthracene	16.374	278	218574	2.603	ug/ml	#	89
116)	Benzo(ghi)perylene	16.615	276	205979	2.651	ug/ml	#	87

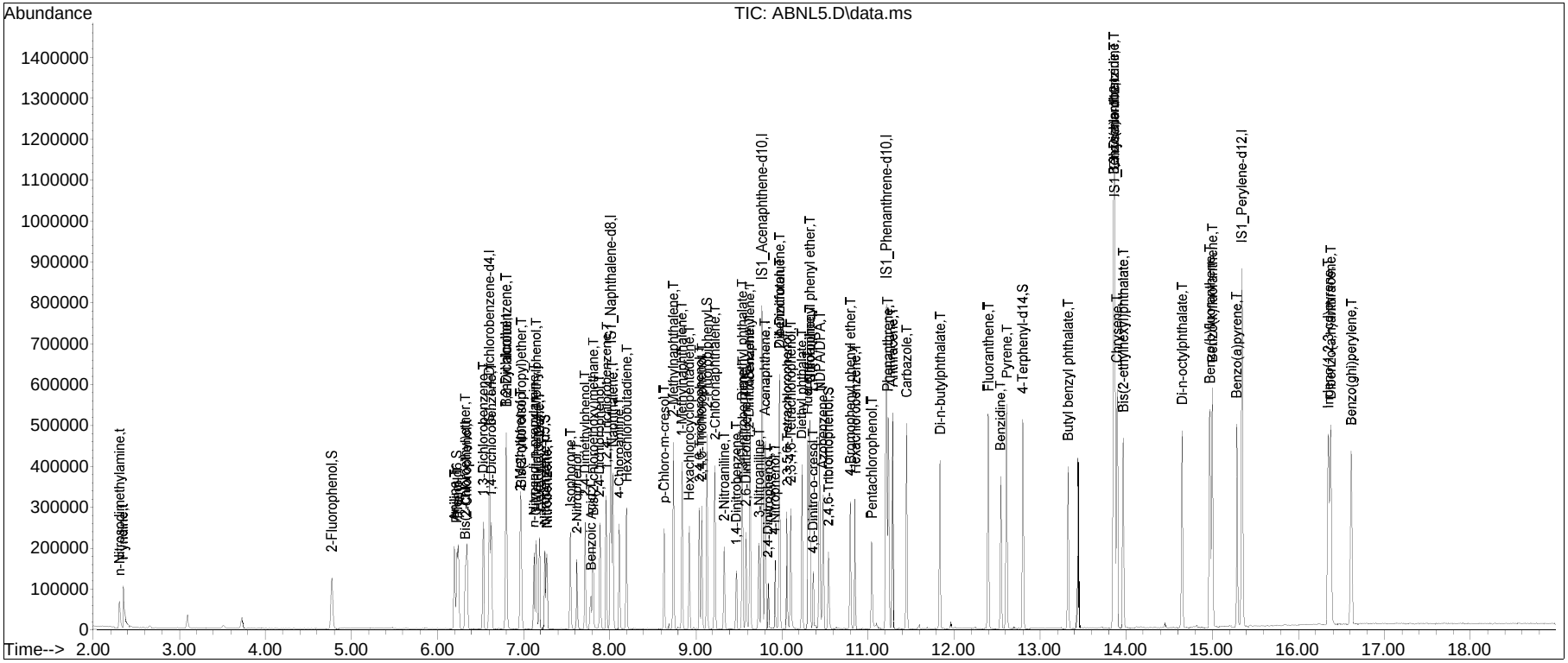
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL5.D
Acq On : 9 Oct 2024 9:41 pm
Operator : SV106:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11008
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 11:34:43 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

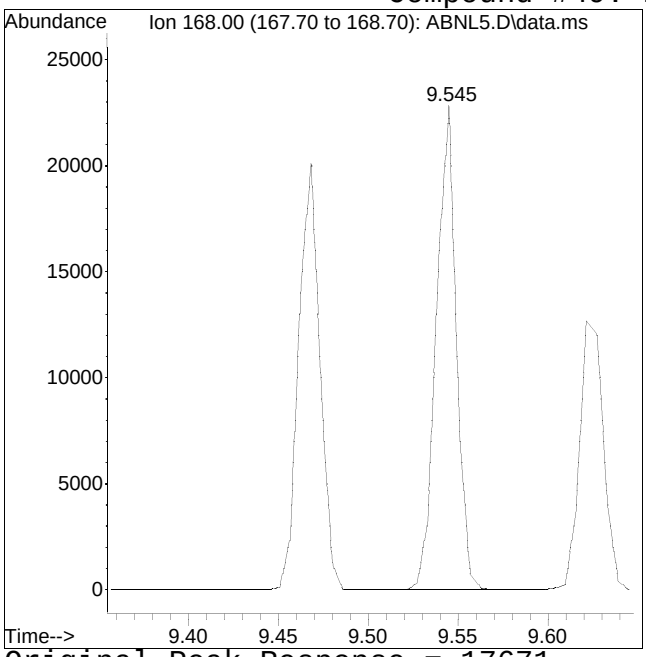
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

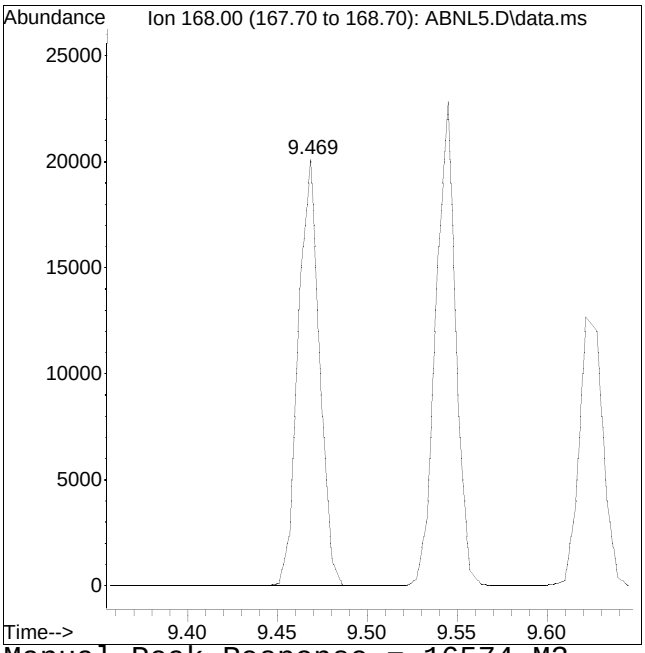


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL5.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:41 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11008Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene





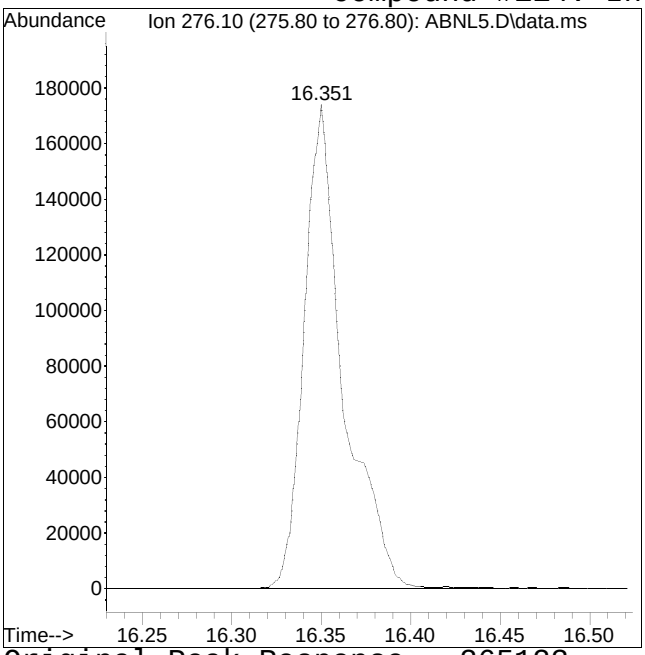
Original Peak Response = 17671 Manual Peak Response = 16574 M3

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

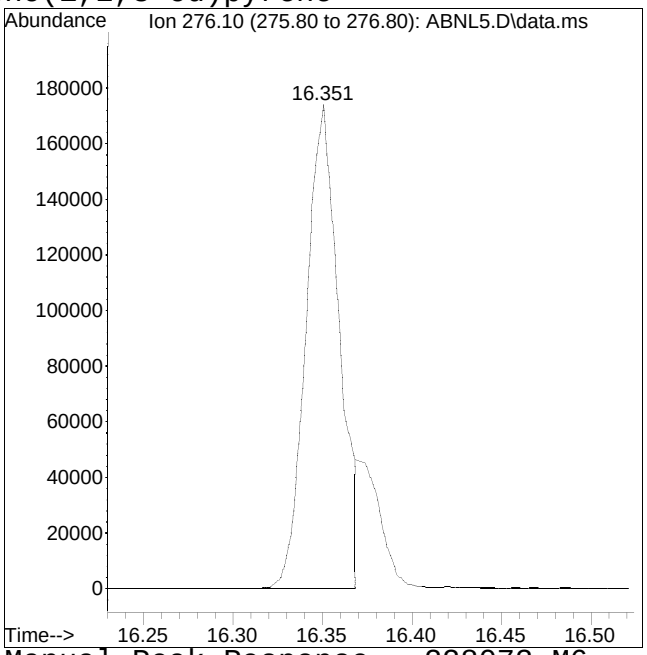
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL5.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 9:41 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11008Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 265123



Manual Peak Response = 228073 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	71339	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 102.95%			
35) IS1_Naphthalene-d8	8.010	136	266497	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 100.72%			
63) IS1_Acenaphthene-d10	9.769	164	156133	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 93.51%			
88) IS1_Phenanthrene-d10	11.216	188	309183	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 94.71%			
104) IS1_Chrysene-d12	13.868	240	327099	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 92.45%			
113) IS1_Perylene-d12	15.345	264	347213	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 91.44%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	21159	1.026	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.30%			
7) Phenol-d6	6.228	99	25905	0.918	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.90%			
19) Nitrobenzene-d5	7.245	82	22769	0.789	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.90%			
46) 2-Fluorobiphenyl	9.127	172	59958	0.876	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.60%			
79) 2,4,6-Tribromophenol	10.545	330	8795	0.904	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.20%			
96) 4-Terphenyl-d14	12.804	244	80600	0.969	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 96.90%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.310	74	13176	0.868	ug/ml#	74
3) Pyridine	2.363	79	20777	0.837	ug/ml#	64
5) Aniline	6.198	93	32716	0.895	ug/ml	94
6) 2-Chlorophenol	6.345	128	24128	1.051	ug/ml	90
8) Phenol	6.245	94	27320	0.933	ug/ml	96
9) Bis(2-chloroethyl)ether	6.328	93	21489	0.894	ug/ml#	79
10) 1,3-Dichlorobenzene	6.528	146	29330	1.063	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	31063	1.113	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	28092	1.035	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	17852	0.790	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.975	45	35860	0.928	ug/ml#	58
15) 2-Methylphenol	6.963	108	19349	0.917	ug/ml	96
16) Hexachloroethane	7.181	117	10924	0.984	ug/ml#	66
17) n-Nitrosodi-n-propylamine	7.122	70	16244	0.862	ug/ml	97
18) 3-Methylphenol/4-Methy...	7.145	108	21188	0.929	ug/ml	98
20) Nitrobenzene	7.269	77	23506	0.802	ug/ml	95
21) Isophorone	7.545	82	41378	0.841	ug/ml	99
22) 2-Nitrophenol	7.622	139	12144	0.984	ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	19420	0.837	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.810	93	28891	0.911	ug/ml	97
25) 2,4-Dichlorophenol	7.881	162	21411	0.974	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.963	180	25382	0.942	ug/ml	98
36) Naphthalene	8.033	128	73731	0.965	ug/ml	99
37) Benzoic Acid	7.775	105	7545	0.752	ug/ml#	89
38) 4-Chloroaniline	8.110	65	8758	0.778	ug/ml	85
39) Hexachlorobutadiene	8.198	225	16407	0.814	ug/ml	98
40) p-Chloro-m-cresol	8.633	107	19065	0.835	ug/ml	97
41) 2-Methylnaphthalene	8.745	142	48095	0.945	ug/ml	94
42) 1-Methylnaphthalene	8.839	115	15739	0.814	ug/ml	94
43) Hexachlorocyclopentadiene	8.922	237	17168	0.768	ug/ml	96
44) 2,4,6-Trichlorophenol	9.039	196	17212	0.860	ug/ml	97
45) 2,4,5-Trichlorophenol	9.069	196	18514	0.863	ug/ml	98
47) 2-Chloronaphthalene	9.222	162	51319	0.948	ug/ml	97
48) 2-Nitroaniline	9.333	138	13384	0.821	ug/ml	87
49) 1,4-Dinitrobenzene	9.469	168	6701	0.781	ug/ml	89
50) 1,3-Dinitrobenzene	9.545	168	8335	0.852	ug/ml#	1
51) Dimethyl phthalate	9.539	163	59446	0.902	ug/ml#	99
52) Acenaphthylene	9.627	152	74788	0.902	ug/ml	99
53) 2,6-Dinitrotoluene	9.580	165	12135	0.855	ug/ml#	73
54) 1,2-Dinitrobenzene	9.627	168	5451	0.901	ug/ml#	1
64) 3-Nitroaniline	9.739	138	12094	0.970	ug/ml#	98
65) Acenaphthene	9.804	154	45406	1.009	ug/ml	91
66) 2,4-Dinitrophenol	9.845	184	5396	0.648	ug/ml#	86
67) Dibenzofuran	9.975	168	73937	0.978	ug/ml	94
68) 2,4-Dinitrotoluene	9.975	165	16078	0.867	ug/ml	92
69) 4-Nitrophenol	9.922	65	9501	0.753	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	10.063	232	14729	0.835	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	15221	0.897	ug/ml	98
72)	Diethyl phthalate	10.233	149	57465	0.963	ug/ml	97
73)	Fluorene	10.310	166	57874	0.974	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.327	204	28945	0.925	ug/ml	89
75)	4-Nitroaniline	10.327	138	13152	1.013	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.369	198	7935	0.764	ug/ml#	67
77)	NDPA/DPA	10.439	169	49470	1.004	ug/ml	99
78)	Azobenzene	10.474	77	48116	0.853	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.798	248	18237	0.934	ug/ml#	83
81)	Hexachlorobenzene	10.851	284	19927	0.898	ug/ml#	81
82)	Pentachlorophenol	11.045	266	10299	0.731	ug/ml	97
89)	Phenanthrene	11.233	178	89296	1.034	ug/ml	99
90)	Anthracene	11.286	178	87718	1.022	ug/ml	99
91)	Carbazole	11.451	167	79979	1.017	ug/ml	99
92)	Di-n-butylphthalate	11.839	149	95333	1.032	ug/ml	98
93)	Fluoranthene	12.398	202	100934	0.956	ug/ml#	92
94)	Benzidine	12.545	184	55776	0.973	ug/ml#	96
95)	Pyrene	12.616	202	108332	0.973	ug/ml	99
97)	Butyl benzyl phthalate	13.327	149	38502	0.905	ug/ml	88
105)	Benzo(a)anthracene	13.857	228	106990	0.885	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.857	252	35971	0.900	ug/ml	97
107)	Chrysene	13.898	228	107915	0.924	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.968	149	62019	0.928	ug/ml#	91
109)	Di-n-octylphthalate	14.651	149	94640	0.856	ug/ml#	74
110)	Benzo(b)fluoranthene	14.974	252	109491	0.936	ug/ml#	95
111)	Benzo(k)fluoranthene	14.998	252	98758	0.891	ug/ml#	93
112)	Benzo(a)pyrene	15.292	252	93110	0.917	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.351	276	100815M6	1.073	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	98550	1.090	ug/ml#	90
116)	Benzo(ghi)perylene	16.615	276	94121	1.125	ug/ml#	89

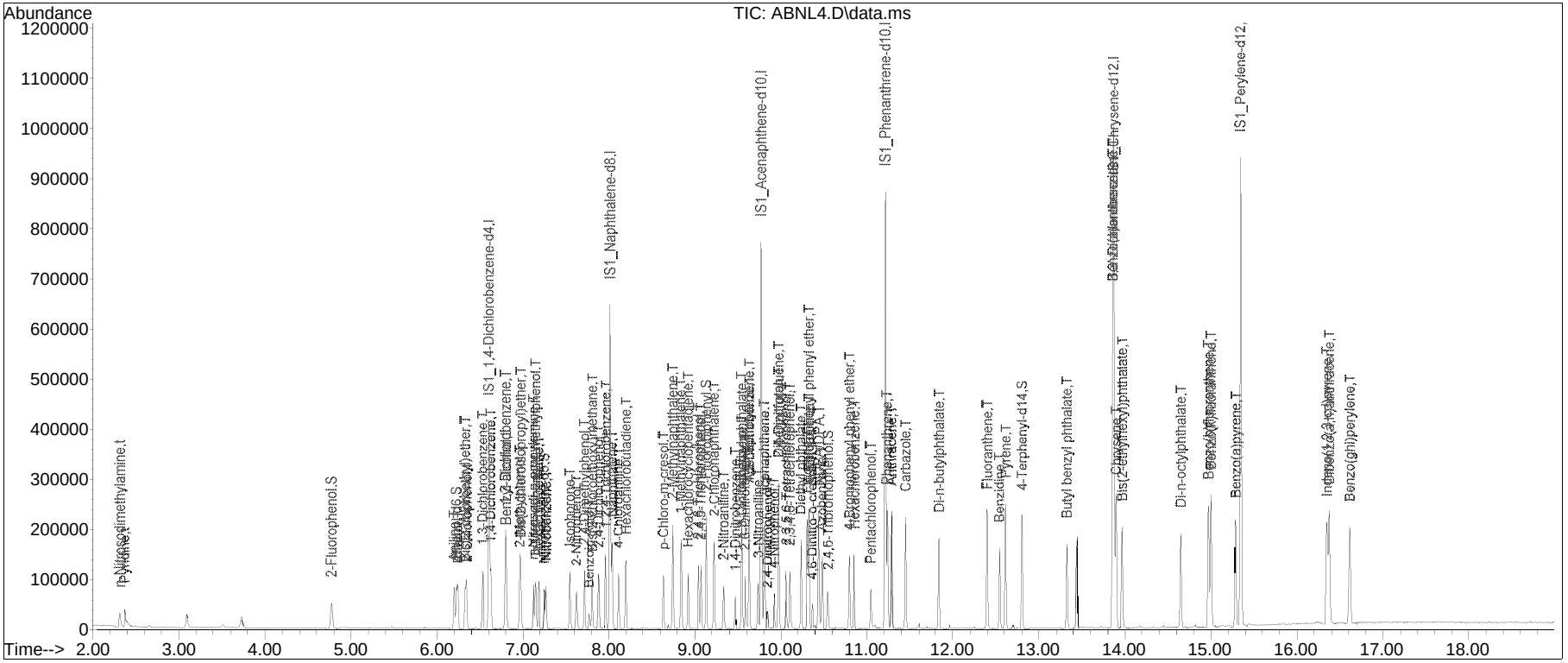
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL4.D
Acq On : 9 Oct 2024 10:05 pm
Operator : SV106:HNY
Sample : IL7,32,,ABNL1 Lot# 11009
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 11:32:09 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

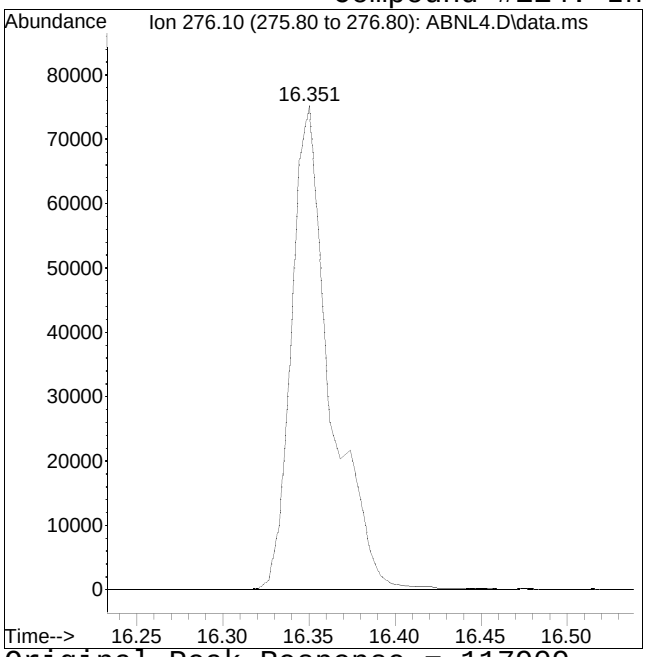
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



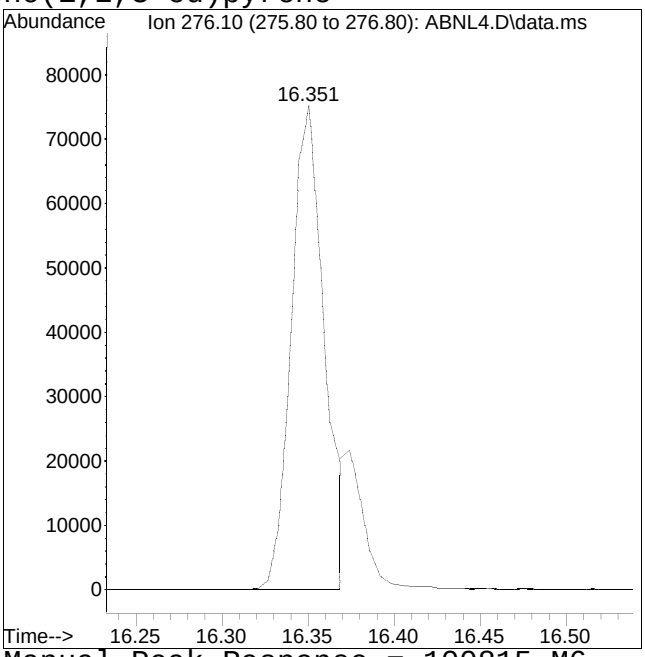
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL4.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:05 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11009 Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 117909



Manual Peak Response = 100815 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	66051	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 95.32%			
35) IS1_Naphthalene-d8	8.010	136	256751	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.04%			
63) IS1_Acenaphthene-d10	9.769	164	160411	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 96.07%			
88) IS1_Phenanthrene-d10	11.216	188	323665	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 99.15%			
104) IS1_Chrysene-d12	13.868	240	338113	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 95.56%			
113) IS1_Perylene-d12	15.345	264	355610	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 93.65%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	9693	0.508	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.40%			
7) Phenol-d6	6.228	99	11340	0.434	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 21.70%			
19) Nitrobenzene-d5	7.245	82	10375	0.388	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 38.80%			
46) 2-Fluorobiphenyl	9.127	172	27368	0.415	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 41.50%			
79) 2,4,6-Tribromophenol	10.539	330	3967	0.397	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 19.85%			
96) 4-Terphenyl-d14	12.804	244	39616	0.455	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 45.50%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.310	74	6334	0.451	ug/ml#	69
3) Pyridine	2.375	79	9961M1	0.433	ug/ml	
5) Aniline	6.204	93	13801	0.408	ug/ml	99
6) 2-Chlorophenol	6.345	128	10062	0.473	ug/ml	94
8) Phenol	6.245	94	11649	0.430	ug/ml	98
9) Bis(2-chloroethyl)ether	6.328	93	9537	0.428	ug/ml#	82
10) 1,3-Dichlorobenzene	6.528	146	13732	0.538	ug/ml	95
11) 1,4-Dichlorobenzene	6.622	146	13732	0.531	ug/ml	98
12) 1,2-Dichlorobenzene	6.798	146	12792	0.509	ug/ml	96

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.804	79	8109	0.387 ug/ml	95
14) Bis(2-chloroisopropyl)...	6.975	45	15637	0.437 ug/ml#	55
15) 2-Methylphenol	6.963	108	8731	0.447 ug/ml	97
16) Hexachloroethane	7.186	117	4938	0.480 ug/ml#	65
17) n-Nitrosodi-n-propylamine	7.122	70	7045	0.404 ug/ml	93
18) 3-Methylphenol/4-Methy...	7.145	108	9500	0.450 ug/ml	99
20) Nitrobenzene	7.269	77	10659	0.393 ug/ml	96
21) Isophorone	7.545	82	18275	0.401 ug/ml	95
22) 2-Nitrophenol	7.622	139	4949	0.433 ug/ml	90
23) 2,4-Dimethylphenol	7.716	107	8695	0.405 ug/ml	97
24) Bis(2-chloroethoxy)met...	7.810	93	12716	0.433 ug/ml#	96
25) 2,4-Dichlorophenol	7.881	162	9099	0.447 ug/ml	92
26) 1,2,4-Trichlorobenzene	7.963	180	11671	0.468 ug/ml	96
36) Naphthalene	8.033	128	34138	0.464 ug/ml	99
37) Benzoic Acid	7.775	105	2290M1	0.489 ug/ml	
38) 4-Chloroaniline	8.110	65	3555	0.328 ug/ml#	68
39) Hexachlorobutadiene	8.198	225	7108	0.366 ug/ml	100
40) p-Chloro-m-cresol	8.633	107	8248	0.375 ug/ml	96
41) 2-Methylnaphthalene	8.745	142	22014	0.449 ug/ml	98
42) 1-Methylnaphthalene	8.839	115	7325	0.393 ug/ml	92
43) Hexachlorocyclopentadiene	8.922	237	7896	0.366 ug/ml	99
44) 2,4,6-Trichlorophenol	9.039	196	8087	0.419 ug/ml	91
45) 2,4,5-Trichlorophenol	9.069	196	8138	0.394 ug/ml	93
47) 2-Chloronaphthalene	9.222	162	23352	0.448 ug/ml	94
48) 2-Nitroaniline	9.333	138	6274	0.399 ug/ml#	81
49) 1,4-Dinitrobenzene	9.469	168	3313	0.401 ug/ml	80
50) 1,3-Dinitrobenzene	9.545	168	3540	0.376 ug/ml#	1
51) Dimethyl phthalate	9.539	163	28188	0.444 ug/ml	99
52) Acenaphthylene	9.627	152	34410	0.431 ug/ml	100
53) 2,6-Dinitrotoluene	9.580	165	5175	0.379 ug/ml#	78
54) 1,2-Dinitrobenzene	9.627	168	2228	0.382 ug/ml#	1
64) 3-Nitroaniline	9.739	138	5701	0.445 ug/ml	89
65) Acenaphthene	9.804	154	21041	0.455 ug/ml	87
66) 2,4-Dinitrophenol	9.845	184	1597	0.187 ug/ml#	71
67) Dibenzofuran	9.975	168	33587	0.433 ug/ml	97
68) 2,4-Dinitrotoluene	9.975	165	7068	0.371 ug/ml	98
69) 4-Nitrophenol	9.922	65	3791	0.292 ug/ml#	82
70) 2,3,5,6-Tetrachlorophenol	10.063	232	6751	0.372 ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	6792	0.389	ug/ml		99
72)	Diethyl phthalate	10.233	149	28402	0.463	ug/ml		98
73)	Fluorene	10.310	166	26998	0.442	ug/ml		95
74)	4-Chlorophenyl phenyl ...	10.327	204	14085	0.438	ug/ml		87
75)	4-Nitroaniline	10.327	138	5841	0.438	ug/ml		85
76)	4,6-Dinitro-o-cresol	10.369	198	3366	0.315	ug/ml	#	62
77)	NDPA/DPA	10.439	169	23369	0.462	ug/ml		99
78)	Azobenzene	10.474	77	21953	0.379	ug/ml	#	88
80)	4-Bromophenyl phenyl e...	10.798	248	8864	0.442	ug/ml	#	82
81)	Hexachlorobenzene	10.851	284	9663	0.424	ug/ml	#	82
82)	Pentachlorophenol	11.045	266	4435	0.306	ug/ml		90
89)	Phenanthrene	11.233	178	41775	0.462	ug/ml		99
90)	Anthracene	11.286	178	42546	0.473	ug/ml		99
91)	Carbazole	11.451	167	37204	0.452	ug/ml		99
92)	Di-n-butylphthalate	11.839	149	46219	0.478	ug/ml		98
93)	Fluoranthene	12.392	202	50109	0.453	ug/ml	#	92
94)	Benzidine	12.545	184	24083	0.401	ug/ml	#	93
95)	Pyrene	12.616	202	53019	0.455	ug/ml		97
97)	Butyl benzyl phthalate	13.327	149	17868	0.401	ug/ml		88
105)	Benzo(a)anthracene	13.857	228	51493	0.412	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.857	252	15712	0.380	ug/ml		98
107)	Chrysene	13.898	228	52235	0.432	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	28063	0.406	ug/ml	#	92
109)	Di-n-octylphthalate	14.651	149	44366	0.388	ug/ml	#	74
110)	Benzo(b)fluoranthene	14.974	252	50696	0.419	ug/ml	#	95
111)	Benzo(k)fluoranthene	14.998	252	46890	0.409	ug/ml	#	95
112)	Benzo(a)pyrene	15.286	252	40649	0.387	ug/ml	#	95
114)	Indeno(1,2,3-cd)pyrene	16.351	276	46348M6	0.482	ug/mL		
115)	Dibenzo(a,h)anthracene	16.374	278	44838	0.484	ug/ml	#	91
116)	Benzo(ghi)perylene	16.615	276	43164	0.504	ug/ml	#	89

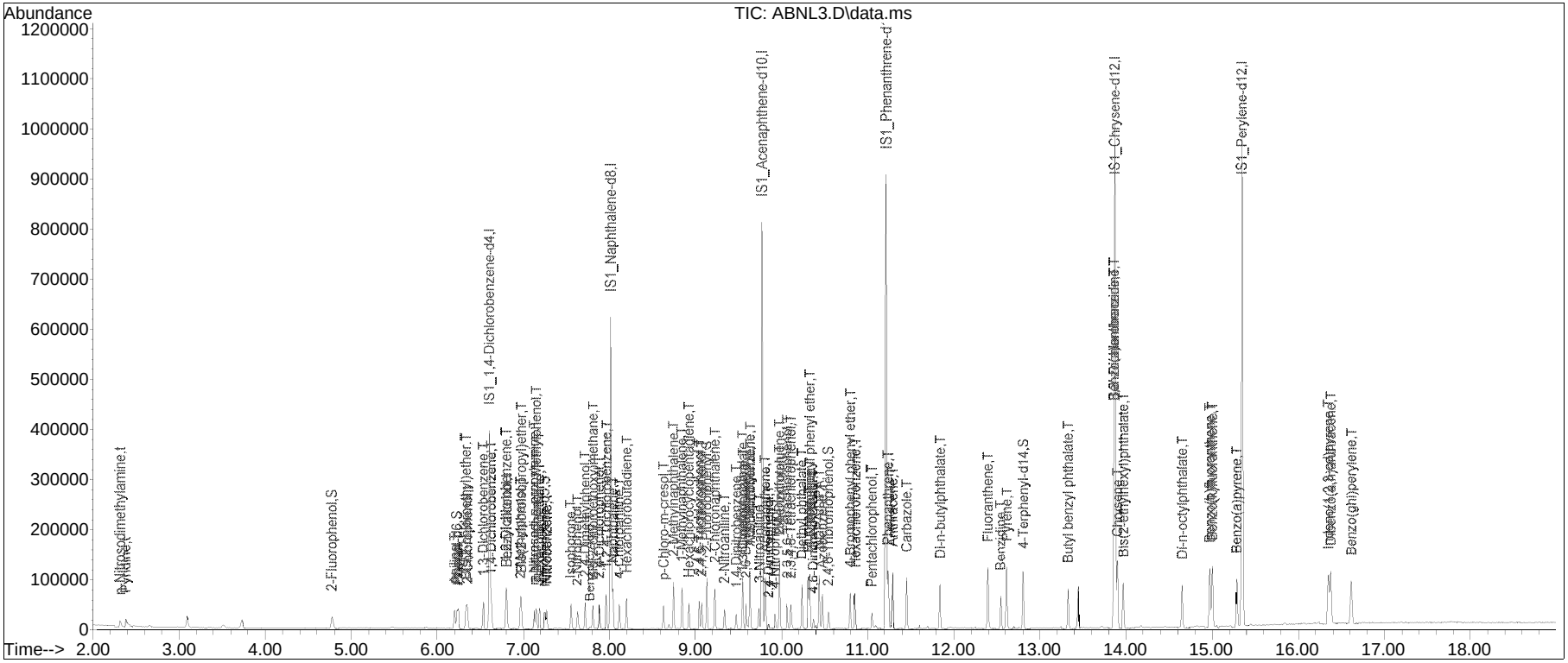
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL3.D
Acq On : 9 Oct 2024 10:29 pm
Operator : SV106:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11010
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 11:29:41 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

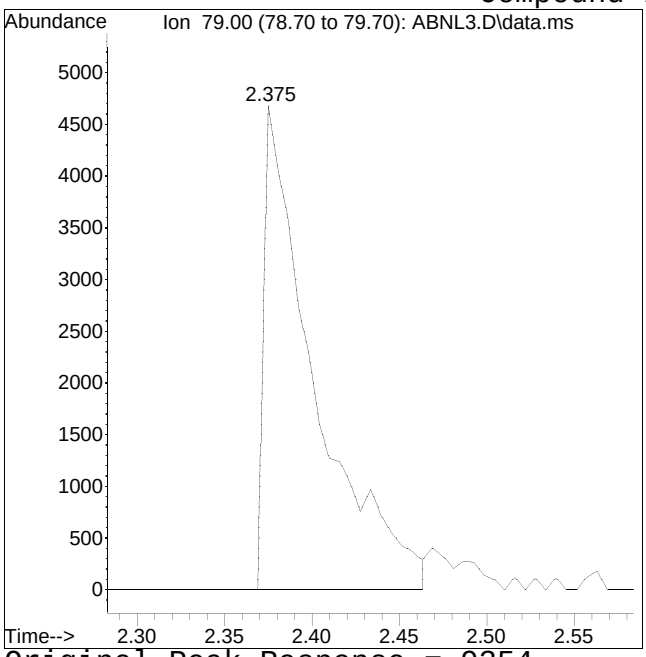
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

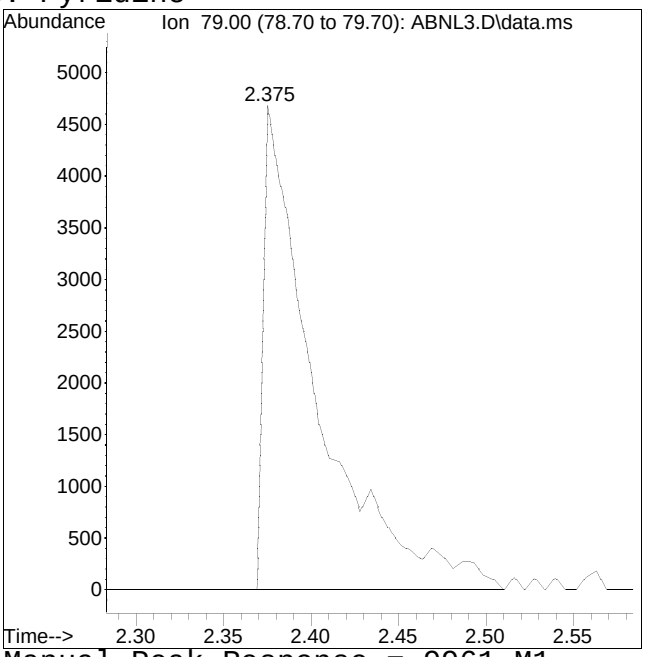


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #3: Pyridine





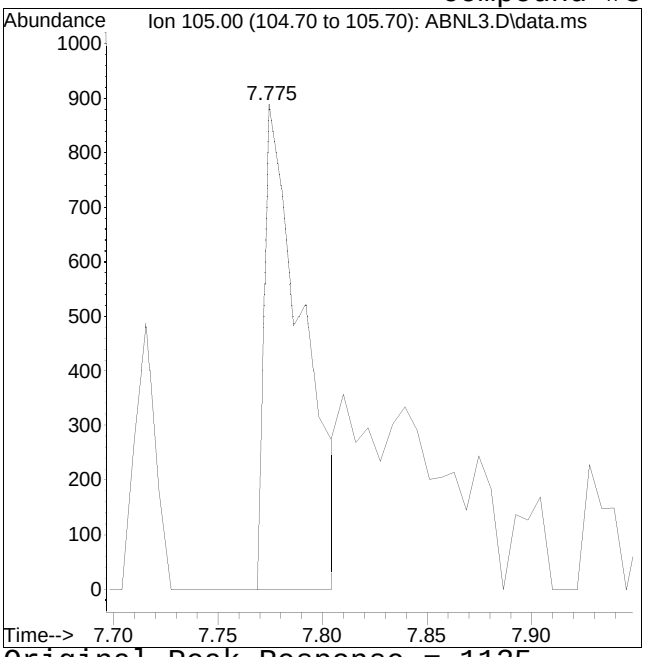
Original Peak Response = 9354 Manual Peak Response = 9961 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

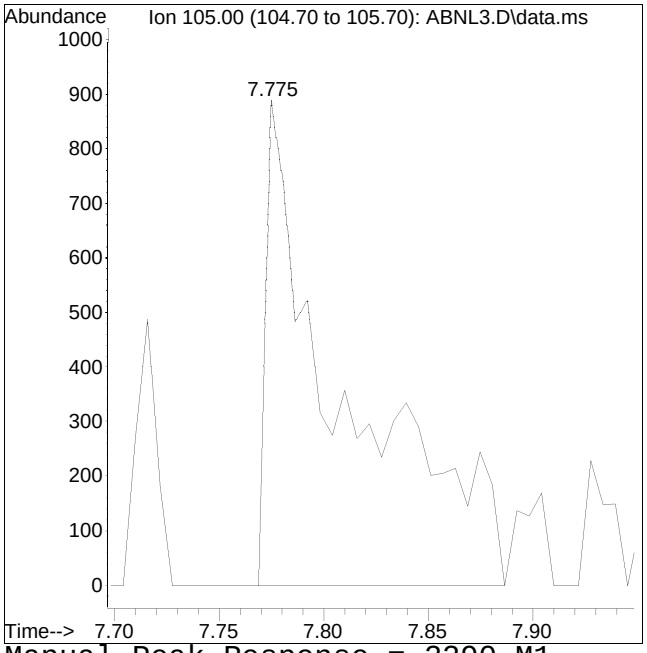
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #37: Benzoic Acid



Original Peak Response = 1135



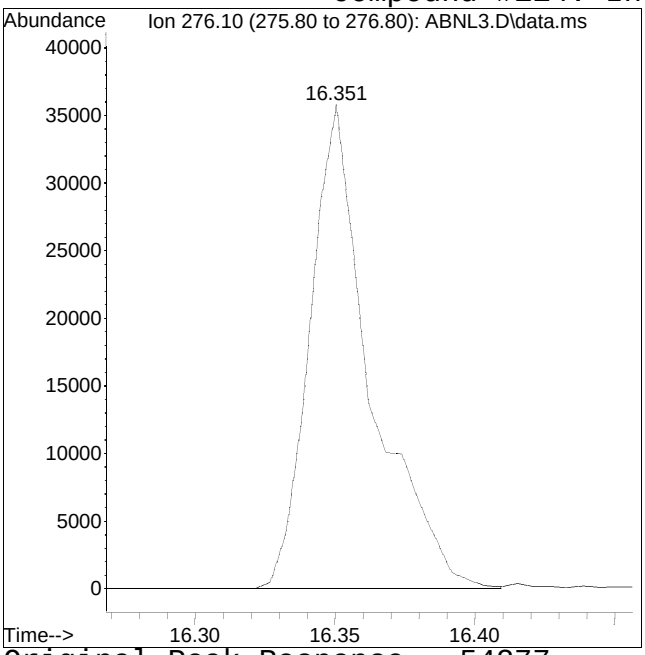
Manual Peak Response = 2290 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

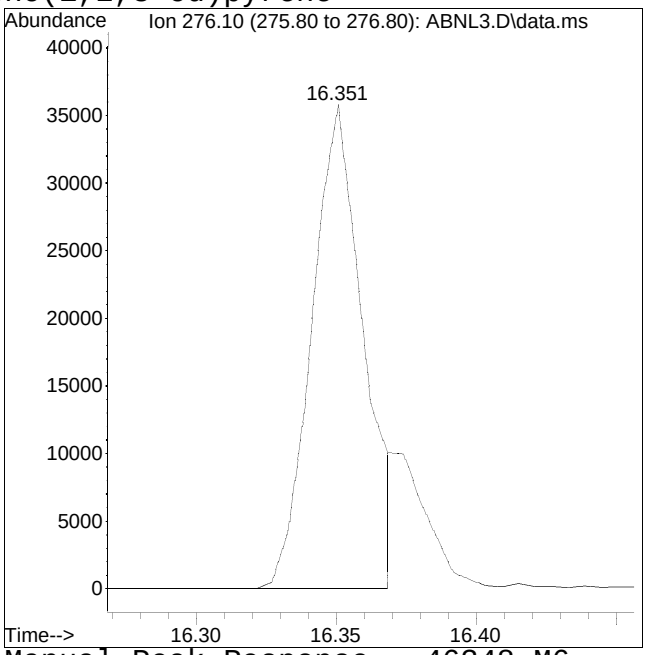
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL3.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:29 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11010Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 54277



Manual Peak Response = 46348 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.598	152	90668	4.000 ug/ml	0.00
Standard Area 1 = 69296			Recovery = 130.84%		
35) IS1_Naphthalene-d8	8.010	136	337819	4.000 ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 127.68%		
63) IS1_Acenaphthene-d10	9.769	164	197727	4.000 ug/ml	0.00
Standard Area 1 = 166975			Recovery = 118.42%		
88) IS1_Phenanthrene-d10	11.216	188	380017	4.000 ug/ml	0.00
Standard Area 1 = 326455			Recovery = 116.41%		
104) IS1_Chrysene-d12	13.868	240	377623	4.000 ug/ml	0.00
Standard Area 1 = 353807			Recovery = 106.73%		
113) IS1_Perylene-d12	15.351	264	394228	4.000 ug/ml	0.00
Standard Area 1 = 379737			Recovery = 103.82%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.775	112	5909	0.225 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.25%#		
7) Phenol-d6	6.228	99	7579	0.211 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.55%#		
19) Nitrobenzene-d5	7.245	82	6186	0.169 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 16.90%#		
46) 2-Fluorobiphenyl	9.128	172	16742	0.193 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.30%#		
79) 2,4,6-Tribromophenol	10.545	330	2420	0.196 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 9.80%#		
96) 4-Terphenyl-d14	12.804	244	21963	0.215 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.316	74	3587	0.186 ug/ml#	75
3) Pyridine	2.393	79	6151M1	0.195 ug/ml	
5) Aniline	6.204	93	7937	0.171 ug/ml	94
6) 2-Chlorophenol	6.345	128	6817	0.234 ug/ml	89
8) Phenol	6.240	94	7208	0.194 ug/ml	97
9) Bis(2-chloroethyl)ether	6.328	93	6481	0.212 ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	8139	0.232 ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	8599	0.242 ug/ml	96
12) 1,2-Dichlorobenzene	6.798	146	7810	0.226 ug/ml	98

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	5192	0.181	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.975	45	9711	0.198	ug/ml#	49
15) 2-Methylphenol	6.969	108	5170	0.193	ug/ml	91
16) Hexachloroethane	7.187	117	2882	0.204	ug/ml#	55
17) n-Nitrosodi-n-propylamine	7.122	70	4563	0.190	ug/ml#	91
18) 3-Methylphenol/4-Methy...	7.145	108	5654	0.195	ug/ml	90
20) Nitrobenzene	7.269	77	6544	0.176	ug/ml	96
21) Isophorone	7.545	82	11305	0.181	ug/ml	99
22) 2-Nitrophenol	7.622	139	3366	0.215	ug/ml	91
23) 2,4-Dimethylphenol	7.716	107	5275	0.179	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.810	93	7160	0.178	ug/ml	94
25) 2,4-Dichlorophenol	7.881	162	5857	0.210	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.963	180	7195	0.210	ug/ml	95
36) Naphthalene	8.034	128	20745	0.214	ug/ml	100
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.110	65	2439	0.171	ug/ml	82
39) Hexachlorobutadiene	8.198	225	4427	0.173	ug/ml	97
40) p-Chloro-m-cresol	8.634	107	5225	0.181	ug/ml	95
41) 2-Methylnaphthalene	8.745	142	13568	0.210	ug/ml	96
42) 1-Methylnaphthalene	8.839	115	4484	0.183	ug/ml	95
43) Hexachlorocyclopentadiene	8.922	237	4695	0.166	ug/ml	94
44) 2,4,6-Trichlorophenol	9.039	196	4803	0.189	ug/ml	91
45) 2,4,5-Trichlorophenol	9.069	196	5128	0.189	ug/ml	86
47) 2-Chloronaphthalene	9.222	162	14120	0.206	ug/ml	95
48) 2-Nitroaniline	9.333	138	3567	0.173	ug/ml	85
49) 1,4-Dinitrobenzene	9.469	168	1885M3	0.173	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	1762	0.142	ug/ml#	1
51) Dimethyl phthalate	9.539	163	15938	0.191	ug/ml#	98
52) Acenaphthylene	9.628	152	20761	0.198	ug/ml	98
53) 2,6-Dinitrotoluene	9.581	165	2835	0.158	ug/ml#	85
54) 1,2-Dinitrobenzene	9.628	168	1338	0.174	ug/ml#	1
64) 3-Nitroaniline	9.739	138	3244	0.205	ug/ml#	87
65) Acenaphthene	9.798	154	12230	0.215	ug/ml	87
66) 2,4-Dinitrophenol	9.845	184	503	0.048	ug/ml#	25
67) Dibenzofuran	9.975	168	20998	0.219	ug/ml	94
68) 2,4-Dinitrotoluene	9.975	165	4138	0.176	ug/ml	93
69) 4-Nitrophenol	9.922	65	2244	0.140	ug/ml	95
70) 2,3,5,6-Tetrachlorophenol	10.063	232	3760	0.168	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	3678M3	0.171	ug/ml		
72)	Diethyl phthalate	10.233	149	15840	0.210	ug/ml		97
73)	Fluorene	10.310	166	15617	0.208	ug/ml		89
74)	4-Chlorophenyl phenyl ...	10.328	204	8199	0.207	ug/ml		89
75)	4-Nitroaniline	10.328	138	2977	0.181	ug/ml		91
76)	4,6-Dinitro-o-cresol	10.369	198	1212	0.092	ug/ml	#	77
77)	NDPA/DPA	10.439	169	12887	0.206	ug/ml		96
78)	Azobenzene	10.475	77	12942	0.181	ug/ml		93
80)	4-Bromophenyl phenyl e...	10.798	248	4854	0.196	ug/ml	#	83
81)	Hexachlorobenzene	10.851	284	5855	0.208	ug/ml	#	81
82)	Pentachlorophenol	11.045	266	1872	0.105	ug/ml		96
89)	Phenanthrene	11.239	178	25444	0.240	ug/ml		97
90)	Anthracene	11.286	178	23814	0.226	ug/ml		99
91)	Carbazole	11.451	167	19842	0.205	ug/ml		97
92)	Di-n-butylphthalate	11.839	149	24348	0.214	ug/ml		99
93)	Fluoranthene	12.398	202	26940	0.208	ug/ml	#	93
94)	Benzidine	12.545	184	9775	0.139	ug/ml	#	93
95)	Pyrene	12.616	202	28315	0.207	ug/ml		99
97)	Butyl benzyl phthalate	13.327	149	9319	0.178	ug/ml		89
105)	Benzo(a)anthracene	13.863	228	28938	0.207	ug/ml		97
106)	3,3'-Dichlorobenzidine	13.857	252	8054	0.174	ug/ml	#	94
107)	Chrysene	13.898	228	27323	0.203	ug/ml		98
108)	Bis(2-ethylhexyl)phtha...	13.968	149	14429	0.187	ug/ml	#	91
109)	Di-n-octylphthalate	14.651	149	23620	0.185	ug/ml	#	76
110)	Benzo(b)fluoranthene	14.974	252	25853	0.191	ug/ml	#	94
111)	Benzo(k)fluoranthene	14.998	252	24956	0.195	ug/ml	#	94
112)	Benzo(a)pyrene	15.292	252	22337	0.191	ug/ml	#	93
114)	Indeno(1,2,3-cd)pyrene	16.351	276	24560M6	0.230	ug/mL		
115)	Dibenzo(a,h)anthracene	16.374	278	24341	0.237	ug/ml	#	91
116)	Benzo(ghi)perylene	16.615	276	23004	0.242	ug/ml	#	90

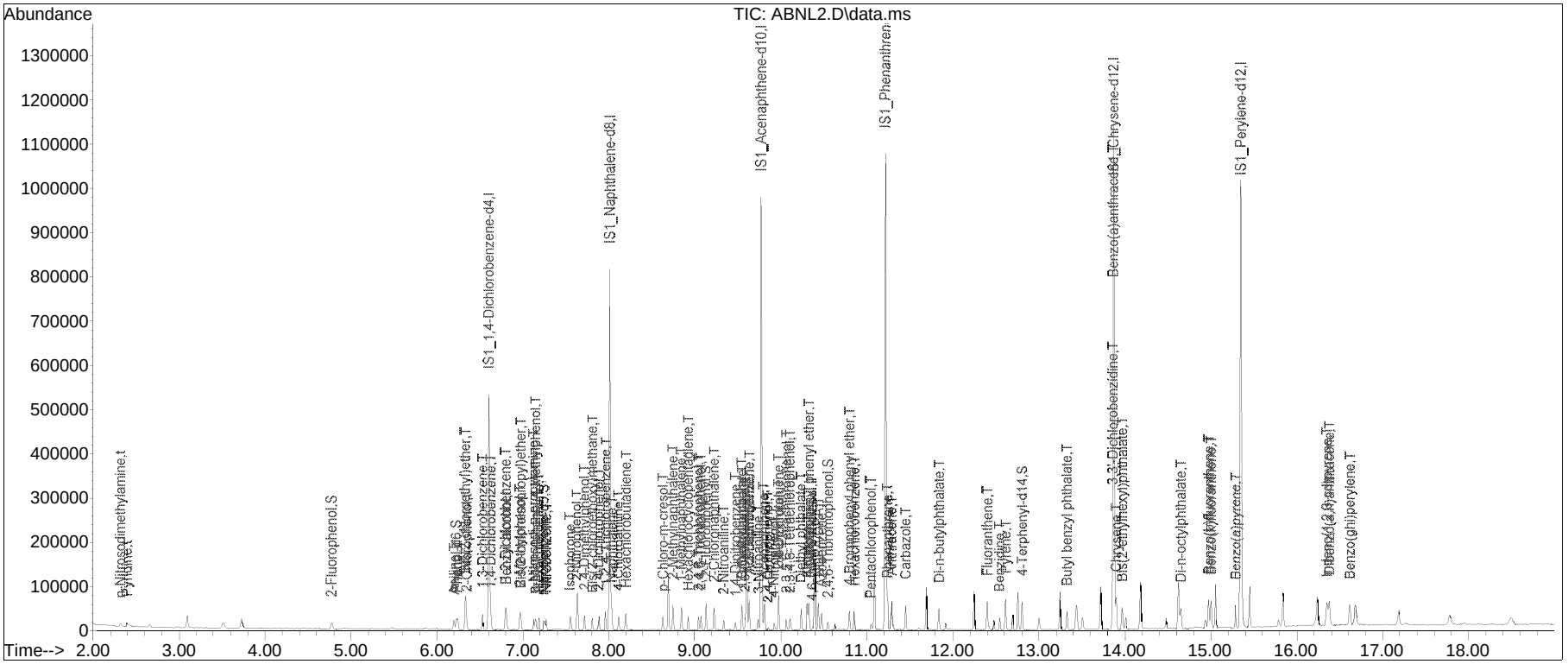
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL2.D
Acq On : 9 Oct 2024 10:52 pm
Operator : SV106:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11011
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 11:27:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

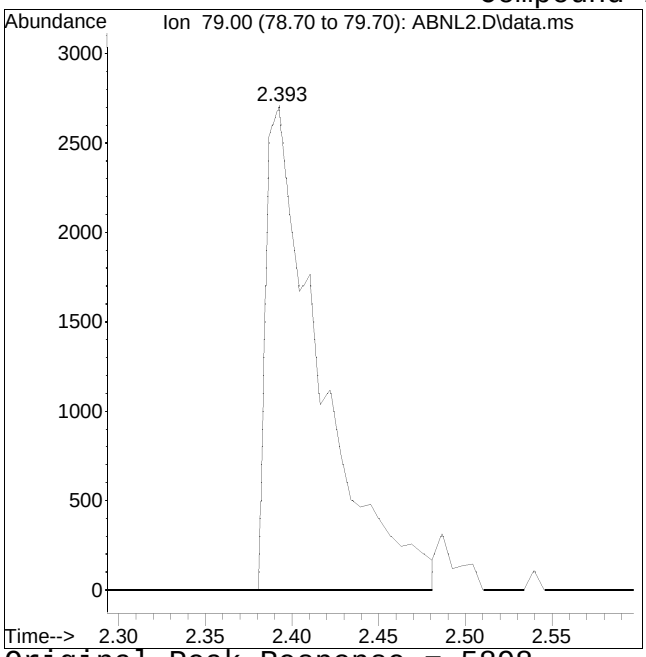
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

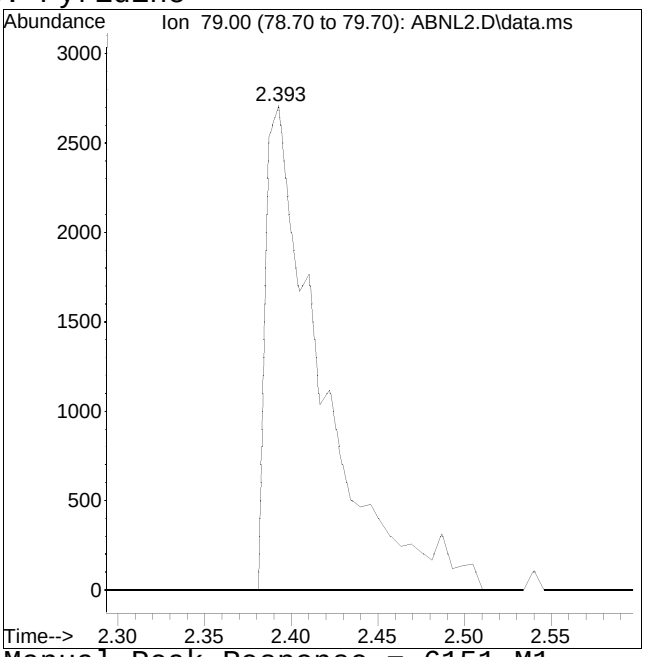


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #3: Pyridine



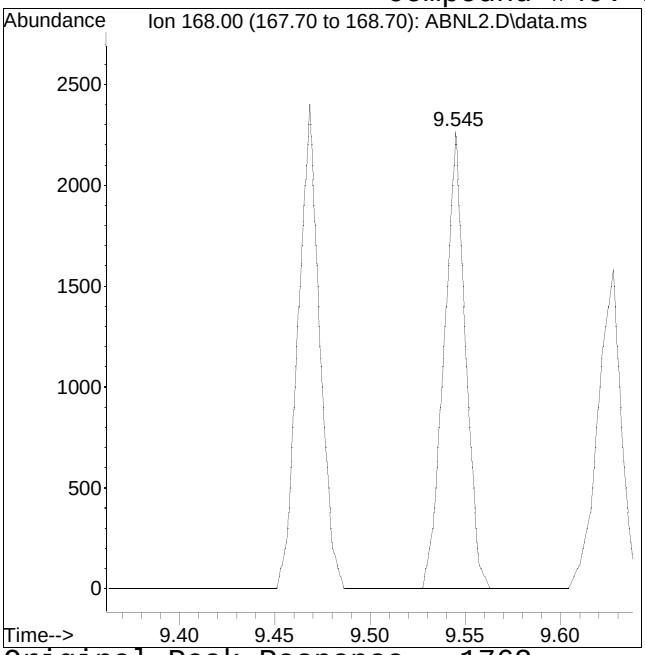


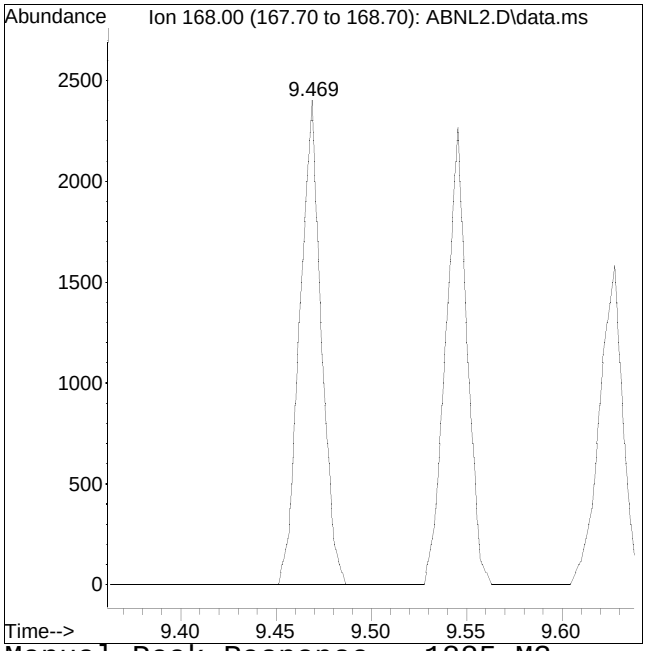
Original Peak Response = 5898 Manual Peak Response = 6151 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #49: 1,4-Dinitrobenzene





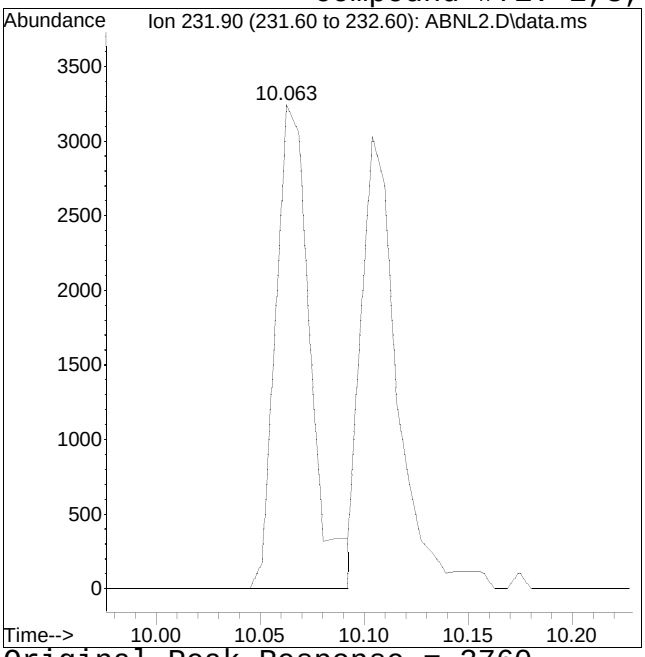
Original Peak Response = 1762 Manual Peak Response = 1885 M3

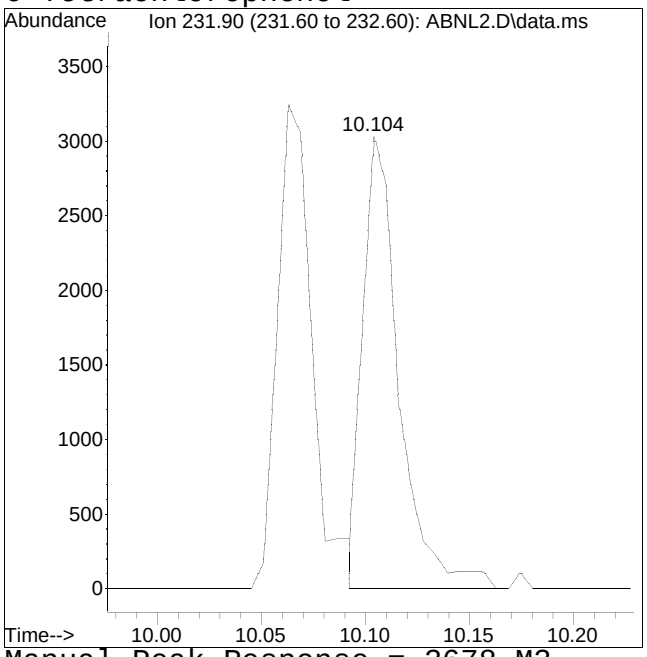
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #71: 2,3,4,6-Tetrachlorophenol



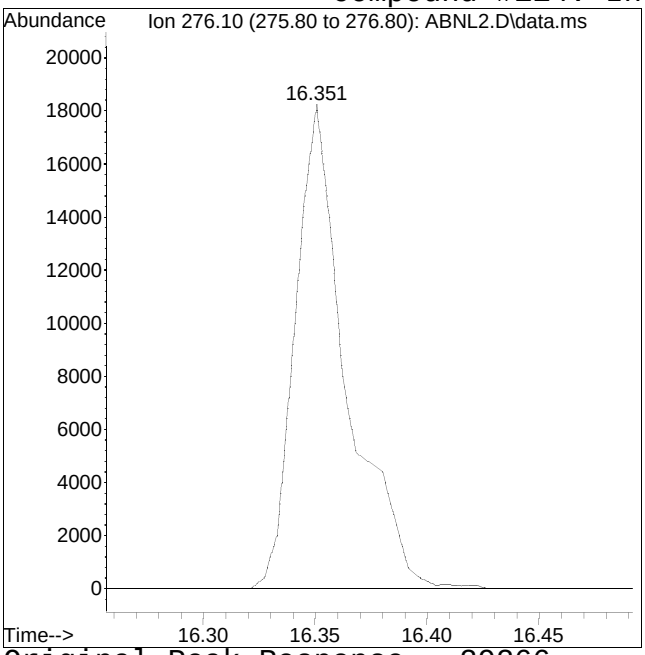


Original Peak Response = 3760 Manual Peak Response = 3678 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

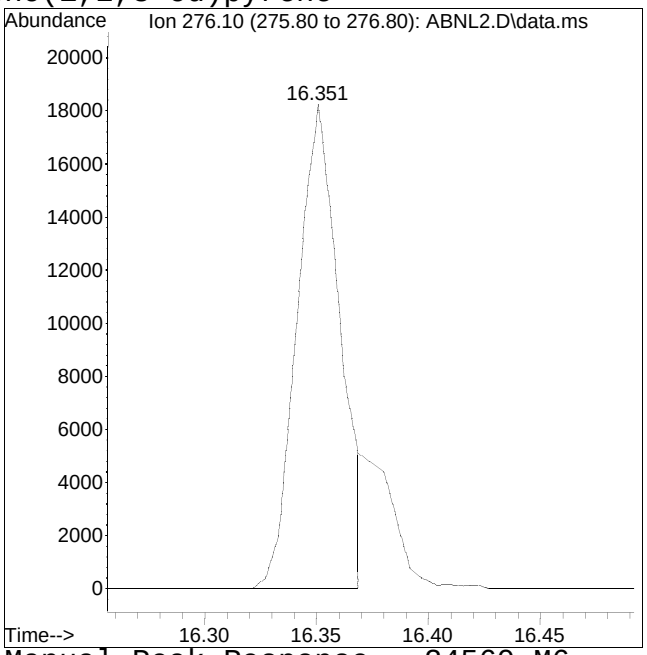
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL2.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 10:52 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11011Quant Date : 10/11/2024 11:13 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 29266



Manual Peak Response = 24560 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.598	152	75952	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 109.61%			
35) IS1_Naphthalene-d8	8.010	136	281373	4.000	ug/ml	0.00
Standard Area 1 = 264583			Recovery = 106.35%			
63) IS1_Acenaphthene-d10	9.769	164	164424	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 98.47%			
88) IS1_Phenanthrene-d10	11.216	188	313559	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 96.05%			
104) IS1_Chrysene-d12	13.868	240	306984	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 86.77%			
113) IS1_Perylene-d12	15.345	264	314348	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 82.78%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	2790	0.127	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.35%#			
7) Phenol-d6	6.228	99	3209	0.107	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.35%#			
19) Nitrobenzene-d5	7.251	82	3159	0.103	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.30%#			
46) 2-Fluorobiphenyl	9.127	172	7881	0.109	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.90%#			
79) 2,4,6-Tribromophenol	10.545	330	965	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
96) 4-Terphenyl-d14	12.804	244	10172	0.121	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.322	74	1508	0.093	ug/ml#	86
3) Pyridine	2.410	79	2390M1	0.090	ug/ml	
5) Aniline	6.204	93	3158	0.081	ug/ml	94
6) 2-Chlorophenol	6.345	128	2710	0.111	ug/ml	94
8) Phenol	6.245	94	3383	0.109	ug/ml	93
9) Bis(2-chloroethyl)ether	6.328	93	2938	0.115	ug/ml	91
10) 1,3-Dichlorobenzene	6.528	146	3437	0.117	ug/ml	96
11) 1,4-Dichlorobenzene	6.622	146	3519M3	0.118	ug/ml	
12) 1,2-Dichlorobenzene	6.798	146	3772	0.130	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.804	79	2193	0.091	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.975	45	4720	0.115	ug/ml#	57
15) 2-Methylphenol	6.969	108	2354	0.105	ug/ml	94
16) Hexachloroethane	7.186	117	1349	0.114	ug/ml#	54
17) n-Nitrosodi-n-propylamine	7.128	70	2030	0.101	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.151	108	2565	0.106	ug/ml#	90
20) Nitrobenzene	7.269	77	3176	0.102	ug/ml#	84
21) Isophorone	7.551	82	5099	0.097	ug/ml#	95
22) 2-Nitrophenol	7.622	139	1377	0.105	ug/ml#	73
23) 2,4-Dimethylphenol	7.716	107	2418	0.098	ug/ml	94
24) Bis(2-chloroethoxy)met...	7.810	93	3636	0.108	ug/ml#	91
25) 2,4-Dichlorophenol	7.881	162	2665	0.114	ug/ml#	90
26) 1,2,4-Trichlorobenzene	7.963	180	3221	0.112	ug/ml	97
36) Naphthalene	8.033	128	9515	0.118	ug/ml	97
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	8.116	65	863	0.073	ug/ml#	42
39) Hexachlorobutadiene	8.198	225	1791	0.084	ug/ml	90
40) p-Chloro-m-cresol	8.633	107	2117	0.088	ug/ml#	87
41) 2-Methylnaphthalene	8.745	142	6321	0.118	ug/ml	97
42) 1-Methylnaphthalene	8.839	115	2065	0.101	ug/ml	90
43) Hexachlorocyclopentadiene	8.922	237	1870	0.079	ug/ml#	88
44) 2,4,6-Trichlorophenol	9.045	196	2151	0.102	ug/ml	95
45) 2,4,5-Trichlorophenol	9.075	196	2029	0.090	ug/ml	94
47) 2-Chloronaphthalene	9.222	162	6703	0.117	ug/ml	94
48) 2-Nitroaniline	9.333	138	1775	0.103	ug/ml#	72
49) 1,4-Dinitrobenzene	9.469	168	792M3	0.087	ug/ml	
50) 1,3-Dinitrobenzene	9.545	168	926	0.090	ug/ml#	1
51) Dimethyl phthalate	9.539	163	7468	0.107	ug/ml#	96
52) Acenaphthylene	9.627	152	9531	0.109	ug/ml	98
53) 2,6-Dinitrotoluene	9.580	165	1359	0.091	ug/ml#	78
54) 1,2-Dinitrobenzene	9.627	168	619	0.097	ug/ml#	1
64) 3-Nitroaniline	9.739	138	1335	0.102	ug/ml#	94
65) Acenaphthene	9.804	154	6033	0.127	ug/ml	88
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	9.975	168	9801	0.123	ug/ml	97
68) 2,4-Dinitrotoluene	9.975	165	1793	0.092	ug/ml	92
69) 4-Nitrophenol	9.927	65	935	0.070	ug/ml#	69
70) 2,3,5,6-Tetrachlorophenol	10.063	232	1530	0.082	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	1666	0.093	ug/ml	99
72)	Diethyl phthalate	10.233	149	7472	0.119	ug/ml	98
73)	Fluorene	10.310	166	7305	0.117	ug/ml	93
74)	4-Chlorophenyl phenyl ...	10.327	204	4068	0.123	ug/ml#	83
75)	4-Nitroaniline	10.333	138	1464	0.107	ug/ml	84
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	10.439	169	6176	0.119	ug/ml	95
78)	Azobenzene	10.474	77	5919	0.100	ug/ml#	86
80)	4-Bromophenyl phenyl e...	10.798	248	2400	0.117	ug/ml#	88
81)	Hexachlorobenzene	10.851	284	2952	0.126	ug/ml#	80
82)	Pentachlorophenol	11.045	266	782	0.053	ug/ml#	51
89)	Phenanthrene	11.233	178	11791	0.135	ug/ml	97
90)	Anthracene	11.286	178	11708	0.134	ug/ml	98
91)	Carbazole	11.451	167	10169	0.127	ug/ml	96
92)	Di-n-butylphthalate	11.839	149	11445	0.122	ug/ml	100
93)	Fluoranthene	12.398	202	12644	0.118	ug/ml#	91
94)	Benzidine	12.545	184	2713	0.047	ug/ml#	68
95)	Pyrene	12.616	202	13268	0.118	ug/ml	97
97)	Butyl benzyl phthalate	13.327	149	4342	0.101	ug/ml	88
105)	Benzo(a)anthracene	13.863	228	13554	0.119	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.857	252	3549	0.095	ug/ml#	93
107)	Chrysene	13.898	228	13157	0.120	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.968	149	6371	0.102	ug/ml#	97
109)	Di-n-octylphthalate	14.651	149	9668	0.093	ug/ml#	81
110)	Benzo(b)fluoranthene	14.974	252	11383M3	0.104	ug/ml	
111)	Benzo(k)fluoranthene	15.004	252	10975	0.105	ug/ml	98
112)	Benzo(a)pyrene	15.292	252	9484	0.100	ug/ml	97
114)	Indeno(1,2,3-cd)pyrene	16.351	276	10975M6	0.129	ug/mL	
115)	Dibenzo(a,h)anthracene	16.374	278	10292	0.126	ug/ml	95
116)	Benzo(ghi)perylene	16.615	276	10063	0.133	ug/ml#	90

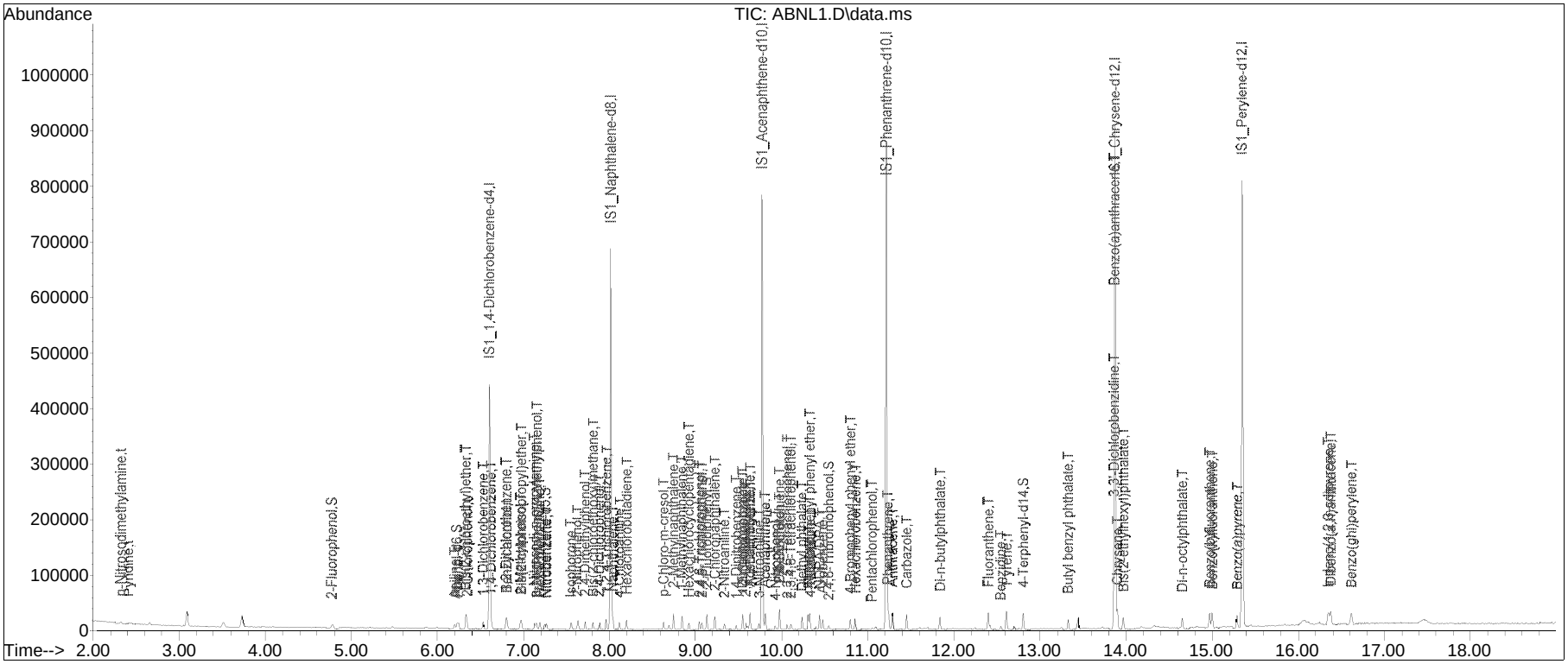
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNL1.D
Acq On : 9 Oct 2024 11:16 pm
Operator : SV106:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11012
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 11:23:58 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

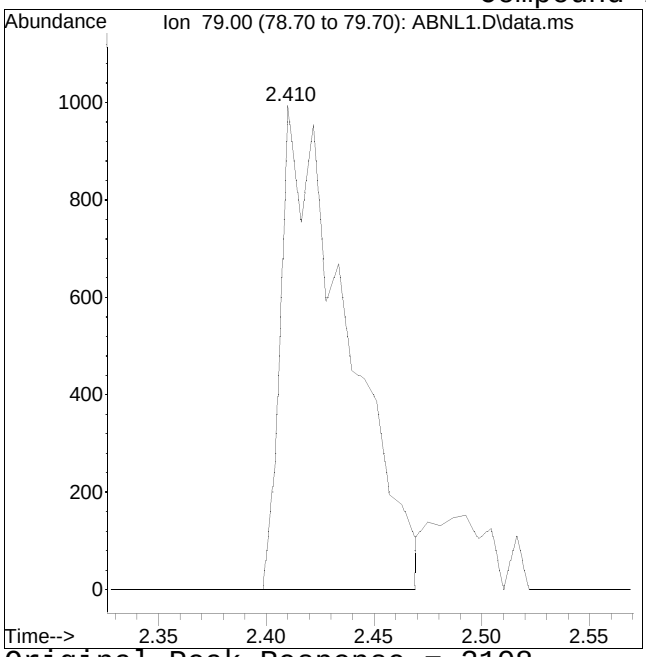
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

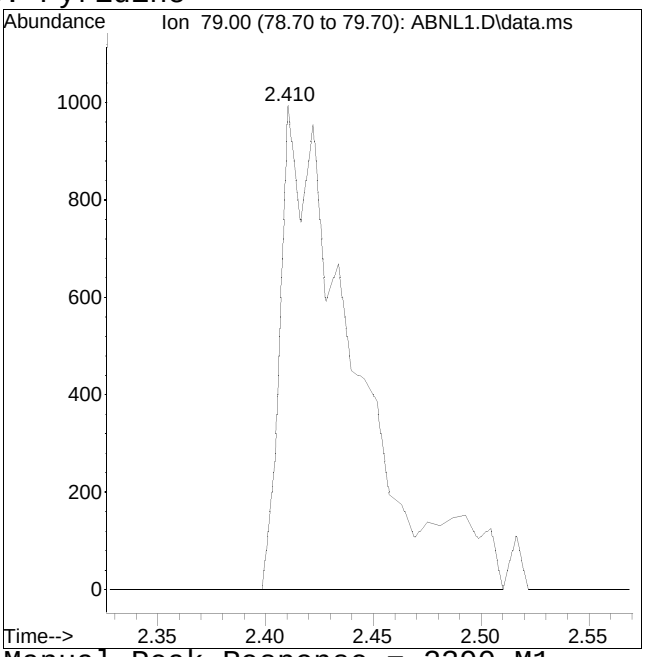


Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #3: Pyridine



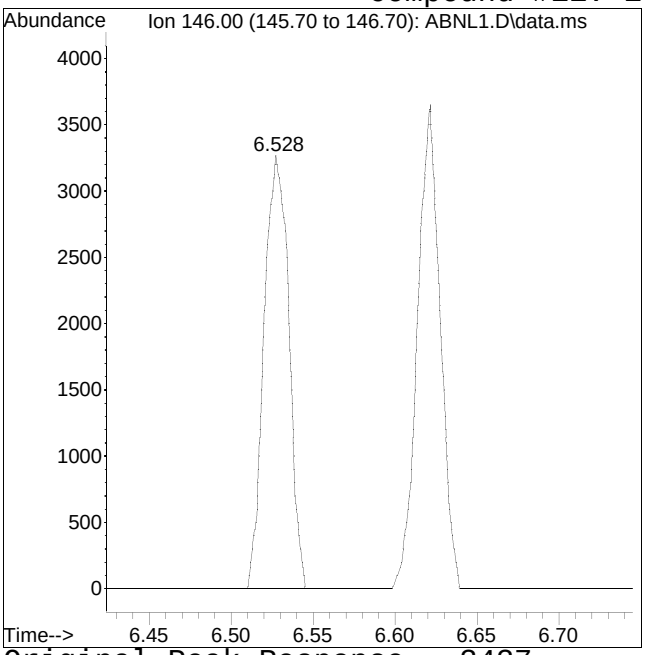


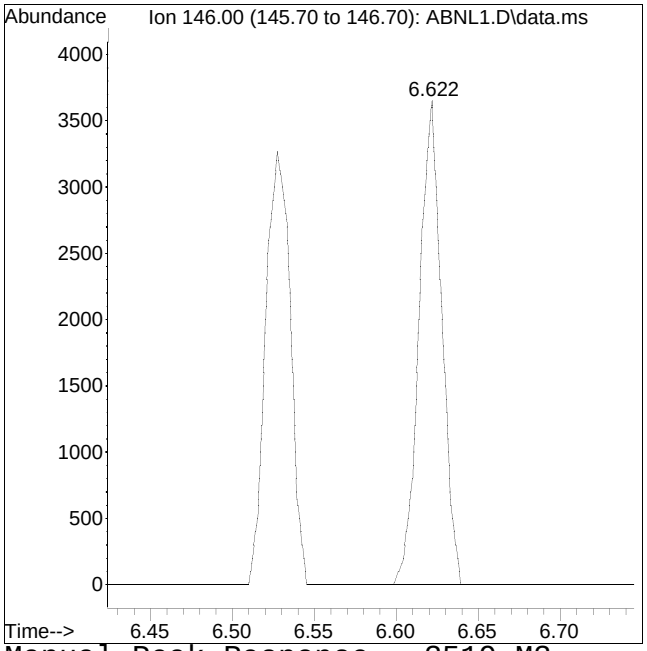
Original Peak Response = 2108 Manual Peak Response = 2390 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #11: 1,4-Dichlorobenzene





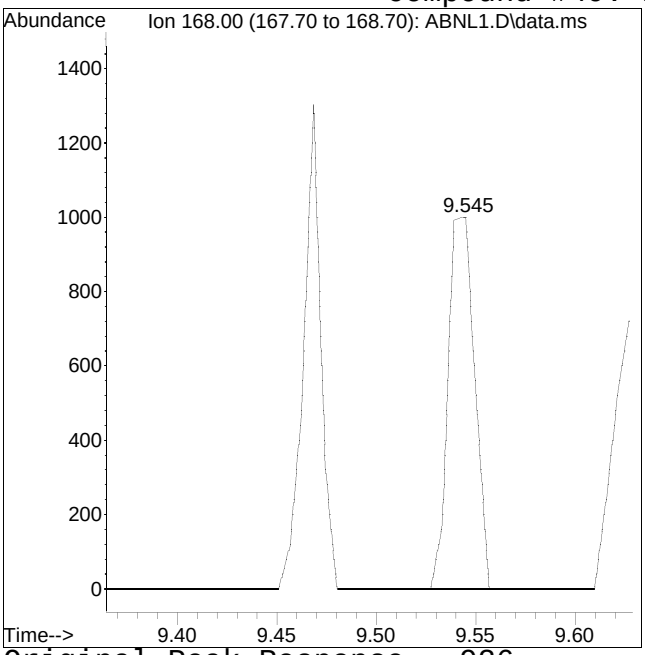
Original Peak Response = 3437 Manual Peak Response = 3519 M3

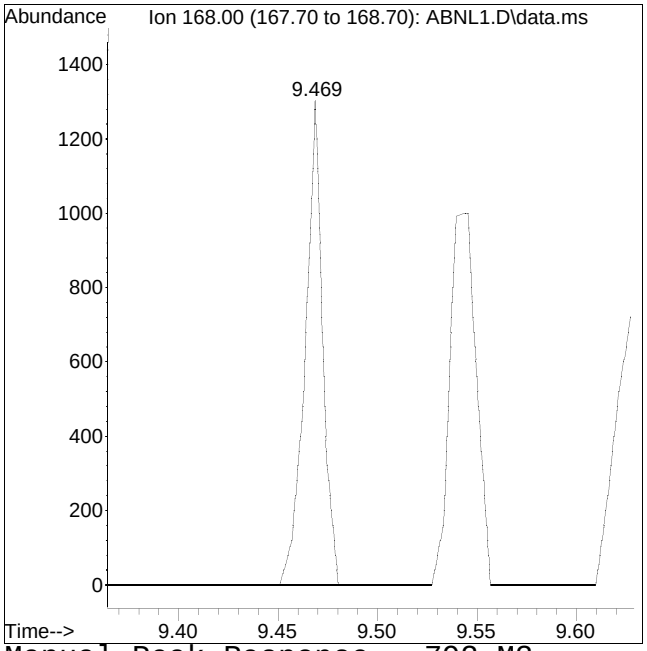
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #49: 1,4-Dinitrobenzene





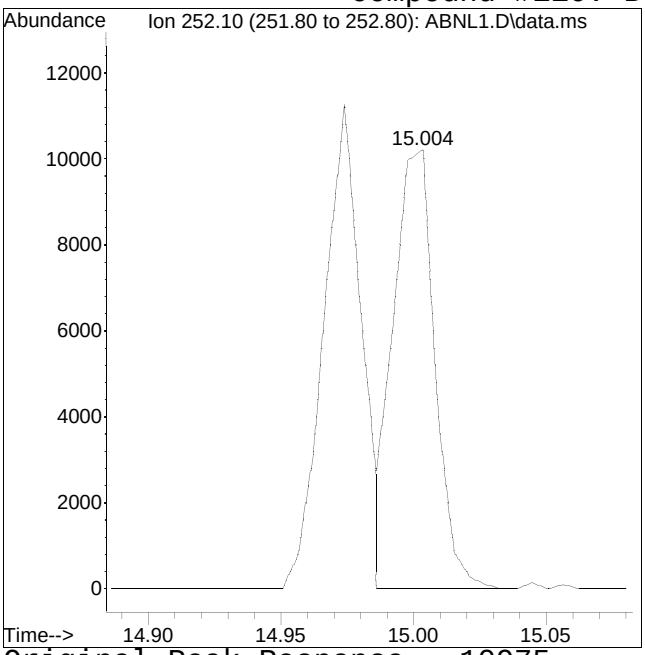
Original Peak Response = 926 Manual Peak Response = 792 M3

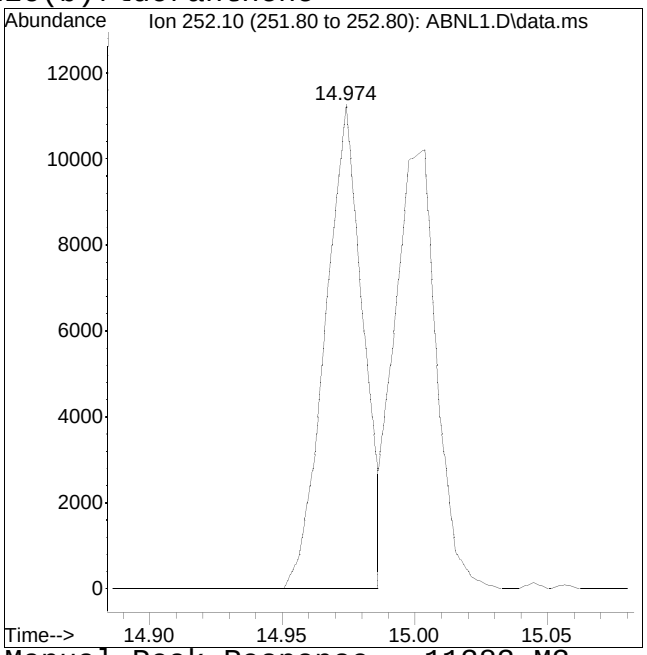
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #110: Benzo(b)fluoranthene



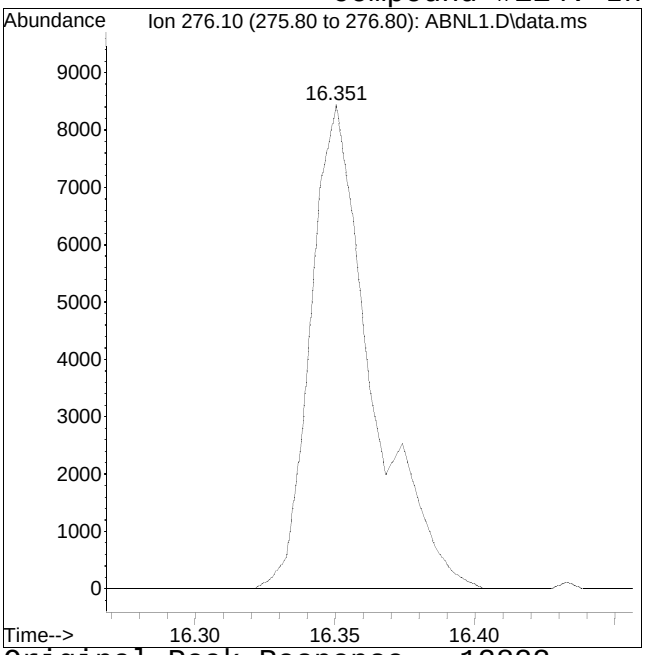


Original Peak Response = 10975 Manual Peak Response = 11383 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

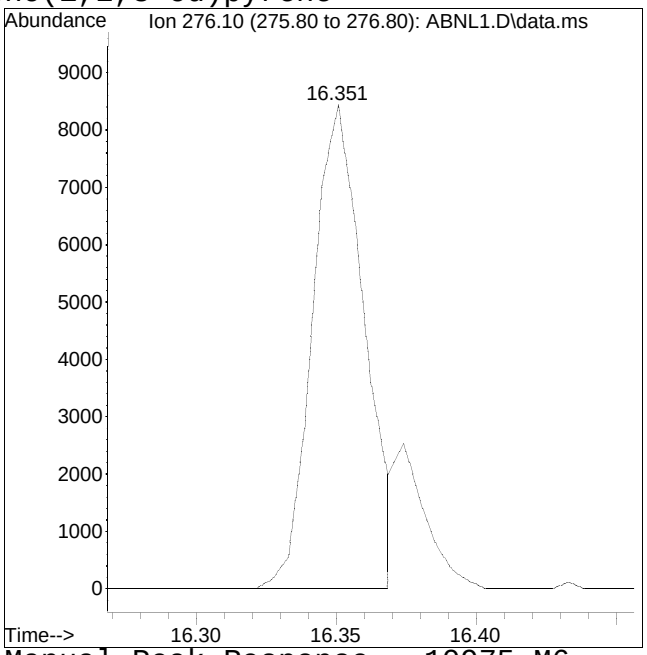
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNL1.D Operator : SV106:HNY
Date Inj'd : 10/9/2024 11:16 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1101Quant Date : 10/11/2024 11:12 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 12822



Manual Peak Response = 10975 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L9.D
Acq On : 9 Oct 2024 11:40 pm
Operator : SV106:HNY
Sample : IL2,32,,AP9L50 Lot# 11013
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 11:58:21 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	63962	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 93.27%			
55) IS2_Naphthalene-d8	8.010	136	239150	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 91.59%			
83) IS2_Acenaphthene-d10	9.769	164	144800	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 94.04%			
98) IS2_Phenanthrene-d10	11.216	188	289187	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 89.20%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	886267	46.676	ug/ml	94
29) Acetophenone	7.087	105	1671775	48.441	ug/ml#	80
30) m-Toluidine	7.186	106	1528652	48.851	ug/ml	95
31) 2-Chloroaniline	7.586	127	1498557	54.827	ug/ml#	91
56) a-Terpineol	8.086	59	1005471	42.030	ug/ml#	82
57) 3-Chloroaniline	8.098	65	455412	37.962	ug/ml	95
58) 2,6-Dichlorophenol	8.128	162	1078810	49.893	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.386	111	505579	46.925	ug/ml#	1
60) Caprolactam	8.451	55	532204	42.387	ug/ml#	69
61) 1,2,4,5-Tetrachloroben...	8.922	216	1338936	40.831	ug/ml	98
62) Biphenyl	9.222	154	3084011	47.577	ug/ml	99
84) Dichloran	10.910	206	409469	45.771	ug/ml#	67
85) Pentachloronitrobenzene	11.063	237	409184	41.849	ug/ml#	80
99) Diphenamid	12.127	167	2192949	54.041	ug/ml#	78

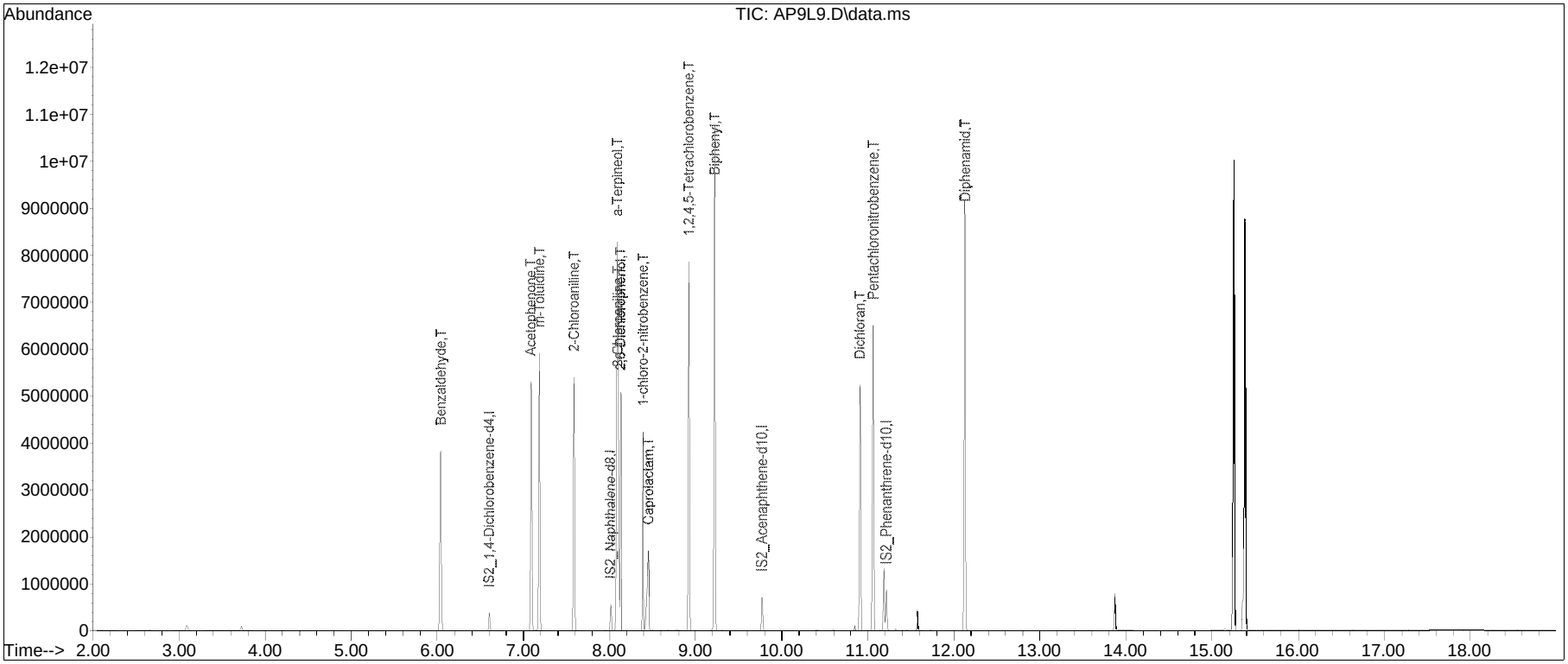
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L9.D
Acq On : 9 Oct 2024 11:40 pm
Operator : SV106:HNY
Sample : IL2,32,,AP9L50 Lot# 11013
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 11:58:21 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L9.D	Operator	: SV106:HNY
Date Inj'd	: 10/9/2024 11:40 pm	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 11013	Quant Date	: 10/11/2024 11:16 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L8.D
Acq On : 10 Oct 2024 12:03 am
Operator : SV106:HNY
Sample : IL3,32,,AP9L25 Lot# 11014
Misc : WG1984388
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 11:57:24 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	76119	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 111.00%			
55) IS2_Naphthalene-d8	8.010	136	286112	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 109.58%			
83) IS2_Acenaphthene-d10	9.769	164	165535	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 107.51%			
98) IS2_Phenanthrene-d10	11.216	188	330138	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 101.83%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.034	105	459607	20.340	ug/ml	94
29) Acetophenone	7.086	105	868815	21.154	ug/ml#	81
30) m-Toluidine	7.186	106	800501	21.496	ug/ml	95
31) 2-Chloroaniline	7.586	127	785161	24.138	ug/ml#	92
56) a-Terpineol	8.081	59	523174	18.280	ug/ml#	82
57) 3-Chloroaniline	8.092	65	244798	17.056	ug/ml	96
58) 2,6-Dichlorophenol	8.122	162	563519	21.784	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.386	111	266535	20.678	ug/ml#	1
60) Caprolactam	8.439	55	289640	19.282	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.922	216	707308	18.029	ug/ml	98
62) Biphenyl	9.222	154	1633700	21.066	ug/ml	99
84) Dichloran	10.910	206	219136	21.427	ug/ml#	66
85) Pentachloronitrobenzene	11.063	237	216870	19.402	ug/ml#	80
99) Diphenamid	12.121	167	1174053	25.343	ug/ml#	78

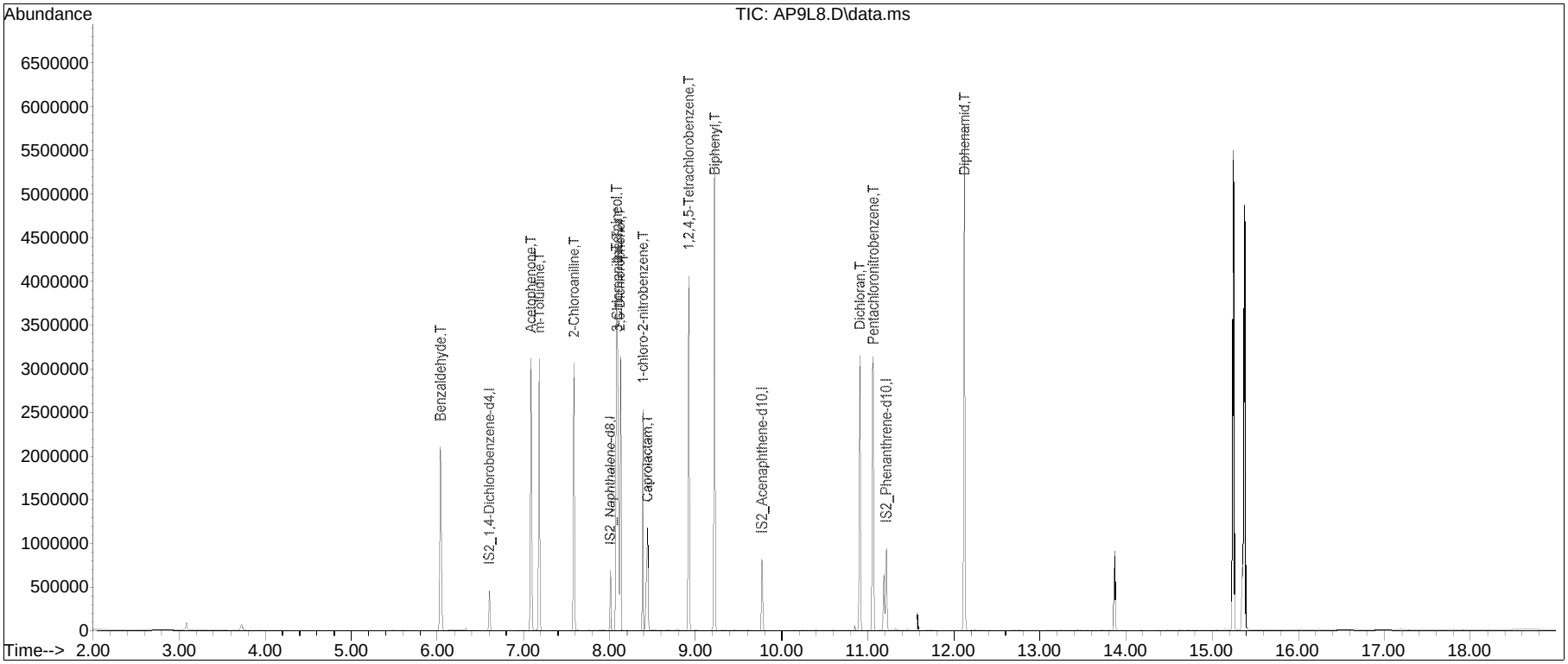
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L8.D
Acq On : 10 Oct 2024 12:03 am
Operator : SV106:HNY
Sample : IL3,32,,AP9L25 Lot# 11014
Misc : WG1984388
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 11 11:57:24 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L8.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:03 am	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 11014	Quant Date	: 10/11/2024 11:16 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L7.D
Acq On : 10 Oct 2024 12:27 am
Operator : SV106:HNY
Sample : IL4,32,,AP9L10 Lot# 11015
Misc : WG1984388
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 11:56:42 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.598	152	70510	4.000	ug/ml		0.00
Standard Area 3 = 68577			Recovery =	102.82%			
55) IS2_Naphthalene-d8	8.010	136	258176	4.000	ug/ml	#	0.00
Standard Area 3 = 261108			Recovery =	98.88%			
83) IS2_Acenaphthene-d10	9.769	164	146958	4.000	ug/ml		0.00
Standard Area 3 = 153971			Recovery =	95.45%			
98) IS2_Phenanthrene-d10	11.216	188	299480	4.000	ug/ml		0.00
Standard Area 3 = 324206			Recovery =	92.37%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.039	105	173013	8.266	ug/ml		94
29) Acetophenone	7.086	105	316976	8.332	ug/ml	#	81
30) m-Toluidine	7.186	106	296462	8.594	ug/ml		94
31) 2-Chloroaniline	7.586	127	290628	9.646	ug/ml	#	91
56) a-Terpineol	8.080	59	189275	7.329	ug/ml	#	81
57) 3-Chloroaniline	8.092	65	92888	7.172	ug/ml		99
58) 2,6-Dichlorophenol	8.122	162	206231	8.835	ug/ml	#	85
59) 1-chloro-2-nitrobenzene	8.386	111	97478	8.381	ug/ml	#	1
60) Caprolactam	8.427	55	100892	7.443	ug/ml	#	71
61) 1,2,4,5-Tetrachloroben...	8.922	216	261881	7.398	ug/ml		97
62) Biphenyl	9.222	154	590014	8.431	ug/ml		99
84) Dichloran	10.904	206	69992	7.709	ug/ml	#	66
85) Pentachloronitrobenzene	11.057	237	73196	7.376	ug/ml	#	80
99) Diphenamid	12.121	167	389973	9.280	ug/ml	#	78

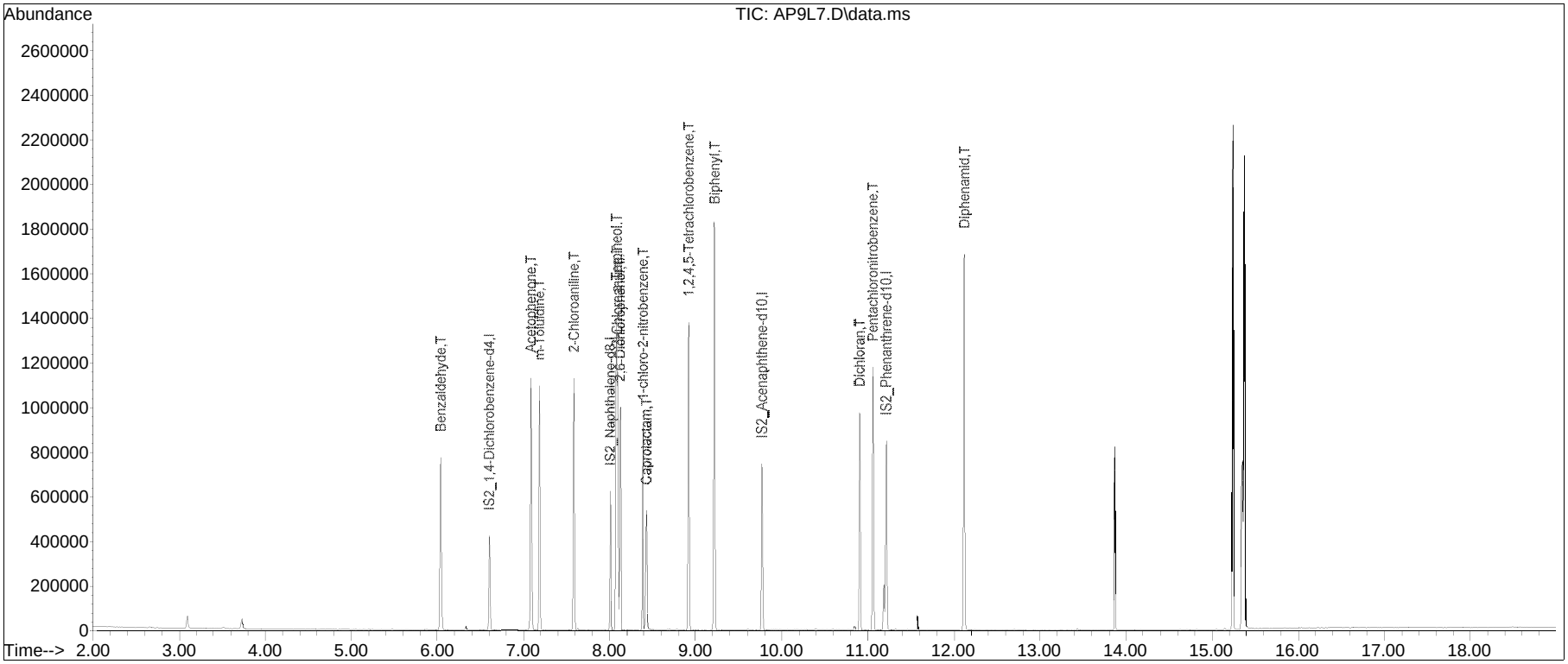
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L7.D
Acq On : 10 Oct 2024 12:27 am
Operator : SV106:HNY
Sample : IL4,32,,AP9L10 Lot# 11015
Misc : WG1984388
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 11 11:56:42 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L7.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:27 am	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 11015	Quant Date	: 10/11/2024 11:16 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L6.D
Acq On : 10 Oct 2024 12:51 am
Operator : SV106:HNY
Sample : IL5,32,,AP9L5 Lot# 11016
Misc : WG1984388
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 11:56:07 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	68577	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery =	100.00%		
55) IS2_Naphthalene-d8	8.010	136	261108	4.000	ug/ml	0.00
Standard Area 3 = 261108			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	9.769	164	153971	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	11.216	188	324206	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	83596	4.106	ug/ml	93
29) Acetophenone	7.087	105	155076	4.191	ug/ml#	81
30) m-Toluidine	7.187	106	139582	4.160	ug/ml	96
31) 2-Chloroaniline	7.587	127	141633	4.833	ug/ml#	92
56) a-Terpineol	8.075	59	91500	3.503	ug/ml#	79
57) 3-Chloroaniline	8.092	65	45585	3.480	ug/ml	99
58) 2,6-Dichlorophenol	8.122	162	101256	4.289	ug/ml#	85
59) 1-chloro-2-nitrobenzene	8.387	111	47719	4.057	ug/ml#	1
60) Caprolactam	8.422	55	49272	3.594	ug/ml#	68
61) 1,2,4,5-Tetrachloroben...	8.922	216	129995	3.631	ug/ml	98
62) Biphenyl	9.222	154	301797	4.264	ug/ml	100
84) Dichloran	10.904	206	34290	3.605	ug/ml#	69
85) Pentachloronitrobenzene	11.057	237	38263	3.680	ug/ml#	81
99) Diphenamid	12.116	167	214966	4.725	ug/ml#	78

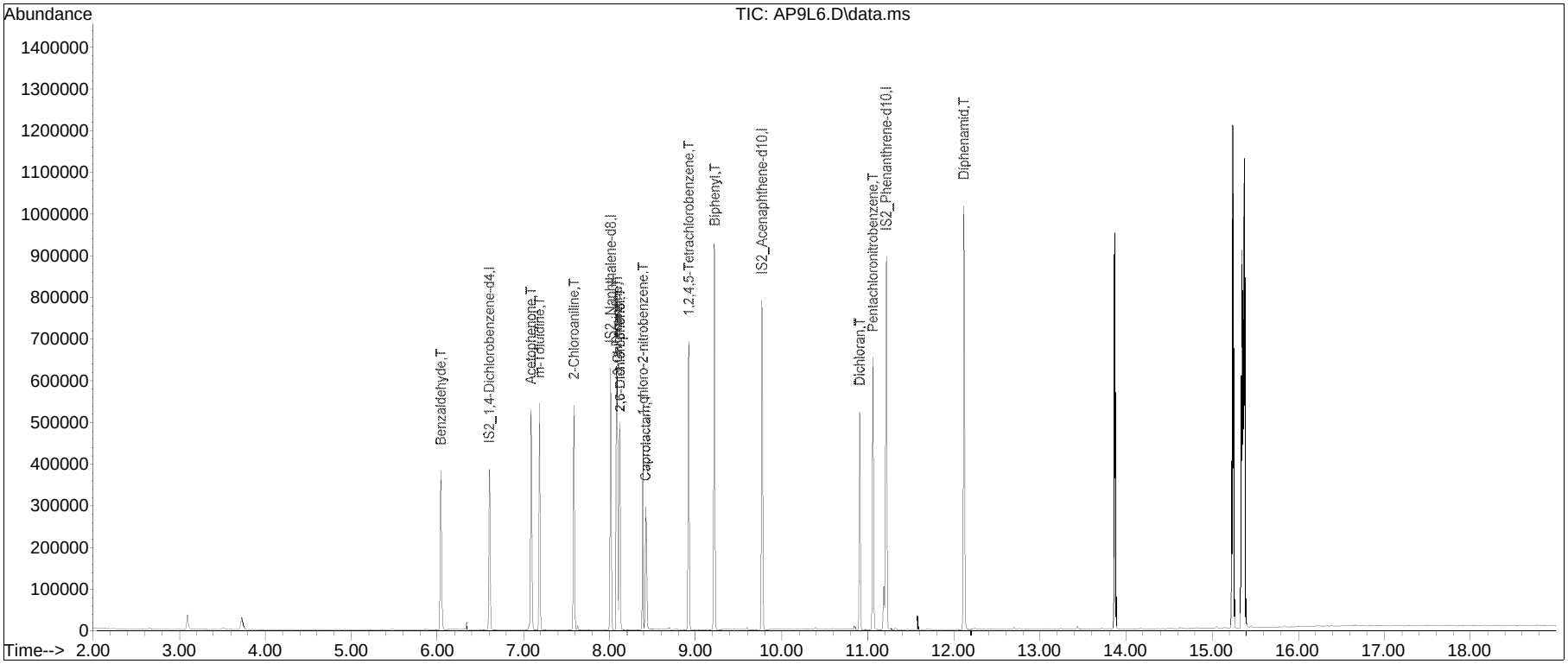
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L6.D
Acq On : 10 Oct 2024 12:51 am
Operator : SV106:HNY
Sample : IL5,32,,AP9L5 Lot# 11016
Misc : WG1984388
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 11:56:07 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L6.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 12:51 am	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 11016	Quant Date	: 10/11/2024 11:16 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L5.D
Acq On : 10 Oct 2024 1:15 am
Operator : SV106:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11017
Misc : WG1984388
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 11:55:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.604	152	62773	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 91.54%			
55) IS2_Naphthalene-d8	8.010	136	241460	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 92.48%			
83) IS2_Acenaphthene-d10	9.769	164	153739	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 99.85%			
98) IS2_Phenanthrene-d10	11.216	188	326212	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 100.62%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.040	105	39695	2.130	ug/ml	93
29) Acetophenone	7.092	105	73641	2.174	ug/ml#	81
30) m-Toluidine	7.187	106	64099	2.087	ug/ml	97
31) 2-Chloroaniline	7.586	127	66454	2.477	ug/ml#	91
56) a-Terpineol	8.075	59	43736	1.811	ug/ml#	83
57) 3-Chloroaniline	8.092	65	20806	1.718	ug/ml	96
58) 2,6-Dichlorophenol	8.116	162	46348	2.123	ug/ml#	86
59) 1-chloro-2-nitrobenzene	8.386	111	22713	2.088	ug/ml#	1
60) Caprolactam	8.422	55	22322	1.761	ug/ml#	70
61) 1,2,4,5-Tetrachloroben...	8.922	216	61732	1.865	ug/ml	98
62) Biphenyl	9.222	154	143630	2.195	ug/ml	100
84) Dichloran	10.904	206	16013	1.686	ug/ml#	68
85) Pentachloronitrobenzene	11.057	237	17687	1.704	ug/ml#	81
99) Diphenamid	12.116	167	98097	2.143	ug/ml#	79

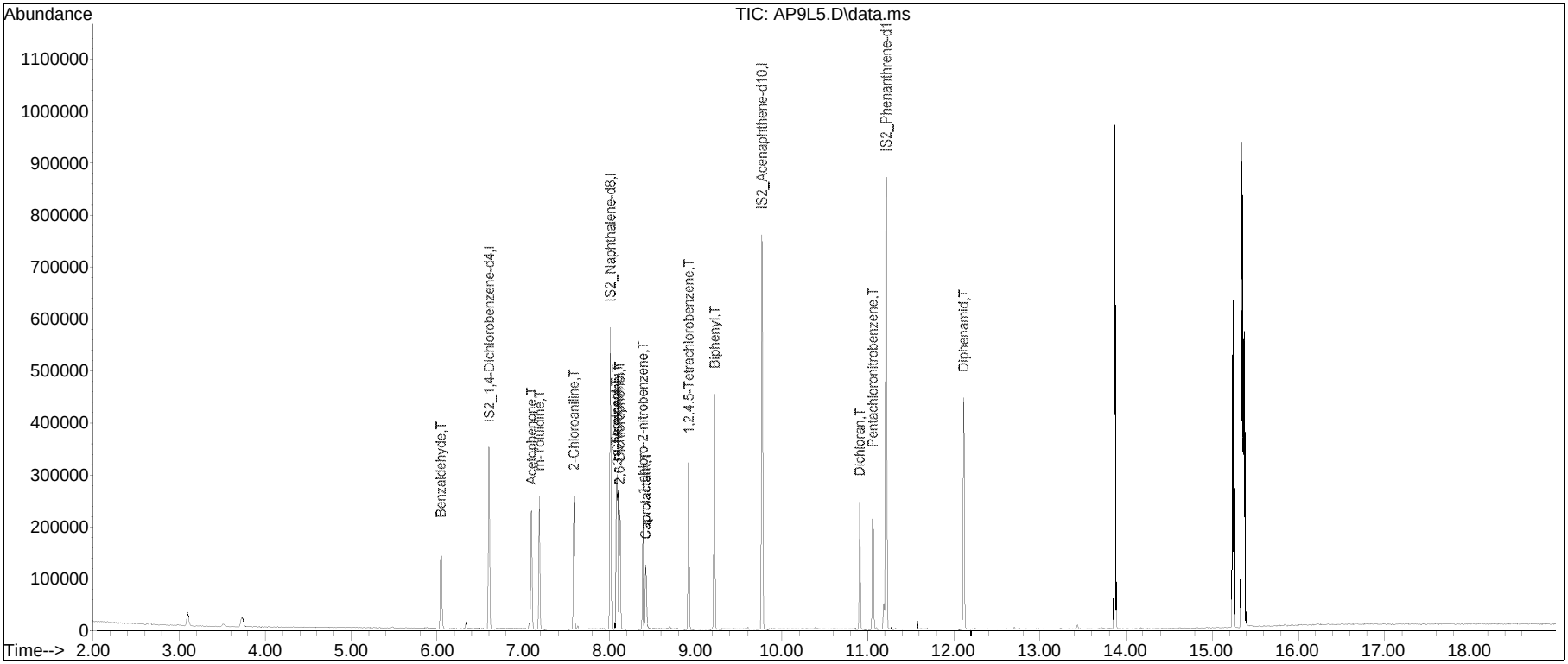
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L5.D
Acq On : 10 Oct 2024 1:15 am
Operator : SV106:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11017
Misc : WG1984388
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 11 11:55:34 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L5.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 1:15 am	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 11017	Quant Date	: 10/11/2024 11:15 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L4.D
Acq On : 10 Oct 2024 1:38 am
Operator : SV106:HNY
Sample : IL7,32,,AP9L1 Lot# 11018
Misc : WG1984388
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 11:55:03 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	71821	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery =	104.73%		
55) IS2_Naphthalene-d8	8.010	136	270768	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery =	103.70%		
83) IS2_Acenaphthene-d10	9.769	164	156722	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery =	101.79%		
98) IS2_Phenanthrene-d10	11.216	188	329147	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery =	101.52%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	15605	0.732	ug/ml	97
29) Acetophenone	7.092	105	28880	0.745	ug/ml#	81
30) m-Toluidine	7.186	106	24264	0.691	ug/ml	94
31) 2-Chloroaniline	7.586	127	26285	0.856	ug/ml#	90
56) a-Terpineol	8.080	59	15944	0.589	ug/ml#	74
57) 3-Chloroaniline	8.092	65	8091	0.596	ug/ml	97
58) 2,6-Dichlorophenol	8.116	162	17713	0.724	ug/ml#	83
59) 1-chloro-2-nitrobenzene	8.386	111	8568	0.702	ug/ml#	1
60) Caprolactam	8.422	55	8406	0.591	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.922	216	24850	0.669	ug/ml	96
62) Biphenyl	9.222	154	56095	0.764	ug/ml	99
84) Dichloran	10.904	206	5312	0.549	ug/ml#	73
85) Pentachloronitrobenzene	11.057	237	6373	0.602	ug/ml#	80
99) Diphenamid	12.115	167	37161	0.805	ug/ml#	78

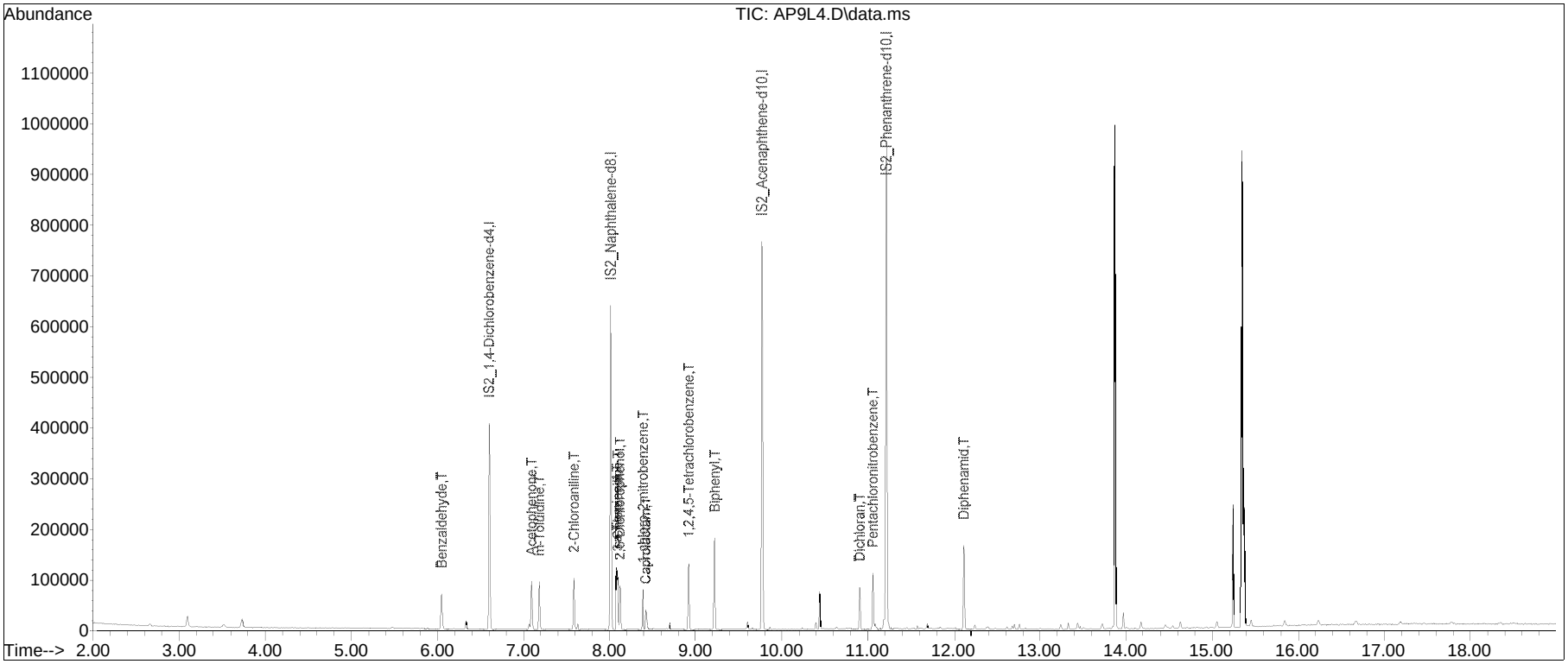
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L4.D
Acq On : 10 Oct 2024 1:38 am
Operator : SV106:HNY
Sample : IL7,32,,AP9L1 Lot# 11018
Misc : WG1984388
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 11 11:55:03 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L4.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 1:38 am	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 11018	Quant Date	: 10/11/2024 11:15 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L3.D
Acq On : 10 Oct 2024 2:02 am
Operator : SV106:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11019
Misc : WG1984388
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 11:54:32 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.604	152	68000	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 99.16%			
55) IS2_Naphthalene-d8	8.010	136	250467	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 95.92%			
83) IS2_Acenaphthene-d10	9.769	164	148065	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 96.16%			
98) IS2_Phenanthrene-d10	11.216	188	314272	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 96.94%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	8456	0.419	ug/ml	96
29) Acetophenone	7.092	105	16443	0.448	ug/ml#	85
30) m-Toluidine	7.187	106	11868	0.357	ug/ml	92
31) 2-Chloroaniline	7.587	127	13791	0.475	ug/ml#	90
56) a-Terpineol	8.081	59	8414	0.336	ug/ml#	67
57) 3-Chloroaniline	8.092	65	4590	0.365	ug/ml	91
58) 2,6-Dichlorophenol	8.122	162	9353	0.413	ug/ml#	83
59) 1-chloro-2-nitrobenzene	8.386	111	4720	0.418	ug/ml#	1
60) Caprolactam	8.422	55	4161	0.316	ug/ml#	66
61) 1,2,4,5-Tetrachloroben...	8.922	216	13865	0.404	ug/ml	94
62) Biphenyl	9.222	154	29826	0.439	ug/ml	97
84) Dichloran	10.904	206	2936	0.321	ug/ml#	66
85) Pentachloronitrobenzene	11.057	237	3571	0.357	ug/ml#	78
99) Diphenamid	12.116	167	18211	0.413	ug/ml#	80

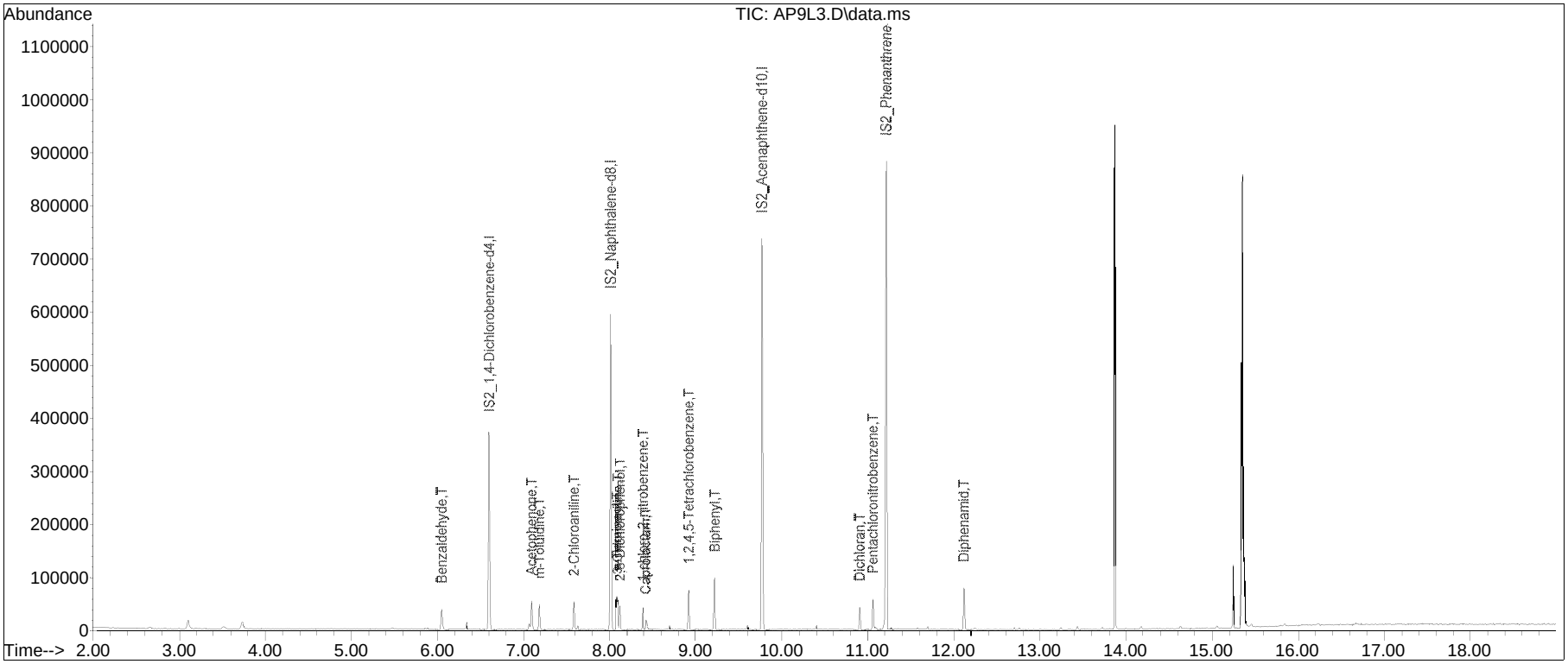
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L3.D
Acq On : 10 Oct 2024 2:02 am
Operator : SV106:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11019
Misc : WG1984388
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 11 11:54:32 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L3.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 2:02 am	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 11019	Quant Date	: 10/11/2024 11:15 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L2.D
Acq On : 10 Oct 2024 2:25 am
Operator : SV106:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11020
Misc : WG1984388
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 11:54:00 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.598	152	67059	4.000	ug/ml	0.00
Standard Area 3 = 68577			Recovery = 97.79%			
55) IS2_Naphthalene-d8	8.010	136	247872	4.000	ug/ml	# 0.00
Standard Area 3 = 261108			Recovery = 94.93%			
83) IS2_Acenaphthene-d10	9.769	164	150701	4.000	ug/ml	0.00
Standard Area 3 = 153971			Recovery = 97.88%			
98) IS2_Phenanthrene-d10	11.216	188	312804	4.000	ug/ml	0.00
Standard Area 3 = 324206			Recovery = 96.48%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	6.045	105	2842	0.143	ug/ml	100
29) Acetophenone	7.093	105	5987	0.165	ug/ml#	91
30) m-Toluidine	7.187	106	2431	0.074	ug/ml#	94
31) 2-Chloroaniline	7.587	127	5084	0.177	ug/ml#	90
56) a-Terpineol	8.081	59	3312	0.134	ug/ml#	86
57) 3-Chloroaniline	8.092	65	1322	0.106	ug/ml	83
58) 2,6-Dichlorophenol	8.122	162	3498	0.156	ug/ml#	82
59) 1-chloro-2-nitrobenzene	8.387	111	1705	0.153	ug/ml#	1
60) Caprolactam	8.434	55	1502M1	0.115	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.922	216	4806	0.141	ug/ml	95
62) Biphenyl	9.222	154	10475	0.156	ug/ml	93
84) Dichloran	10.904	206	961	0.103	ug/ml#	81
85) Pentachloronitrobenzene	11.057	237	1221	0.120	ug/ml#	83
99) Diphenamid	12.116	167	7187	0.164	ug/ml#	73

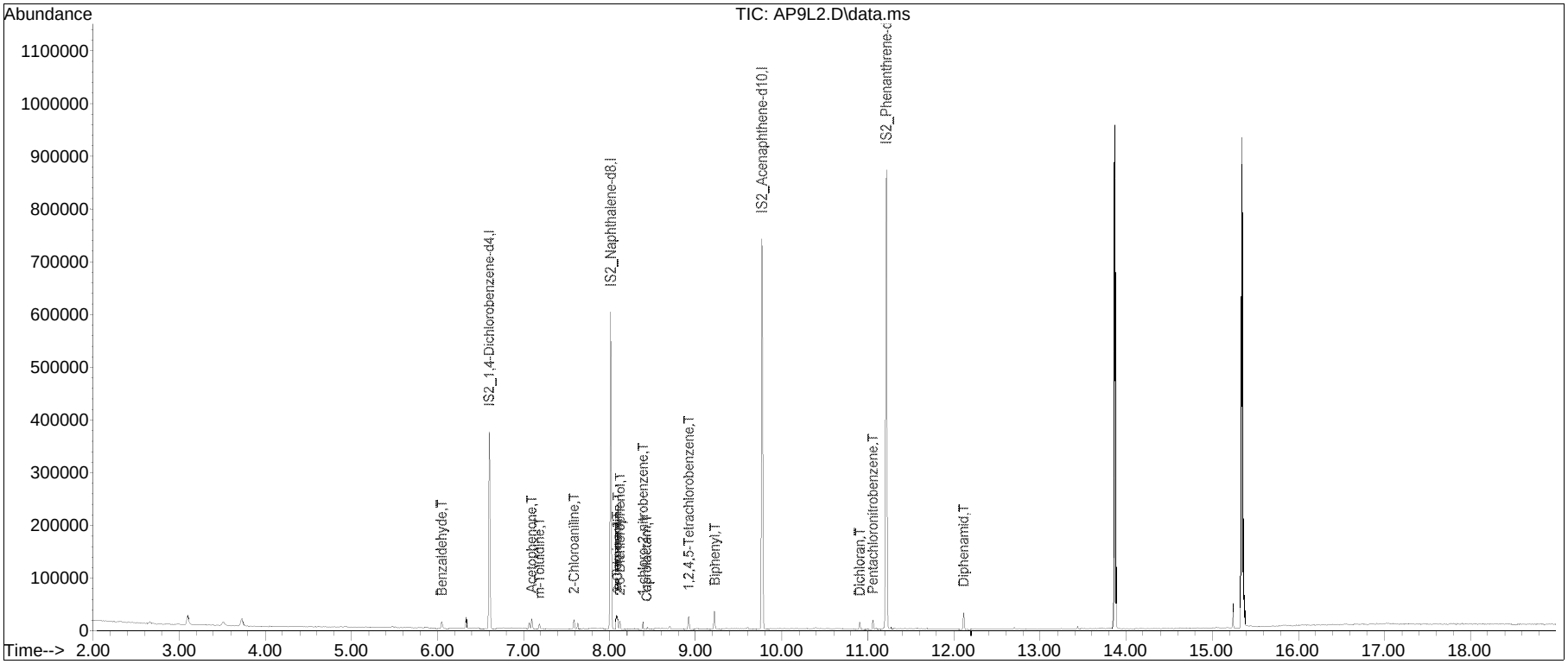
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L2.D
Acq On : 10 Oct 2024 2:25 am
Operator : SV106:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11020
Misc : WG1984388
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 11 11:54:00 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

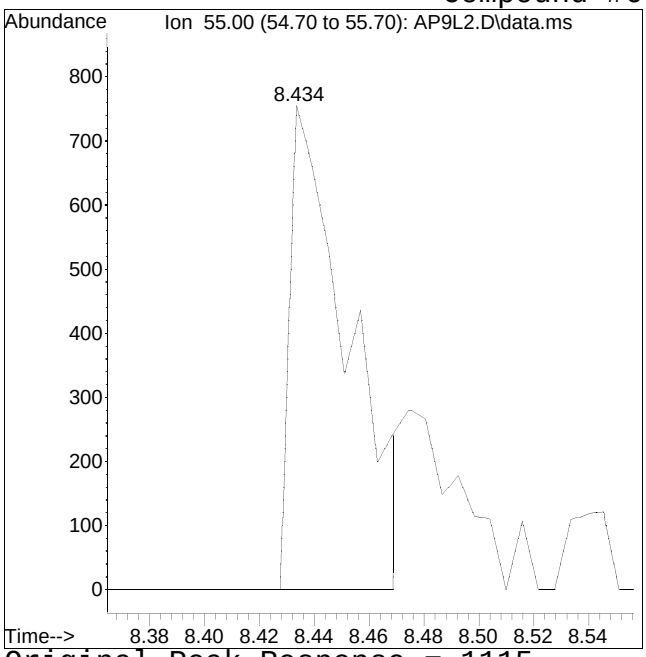
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



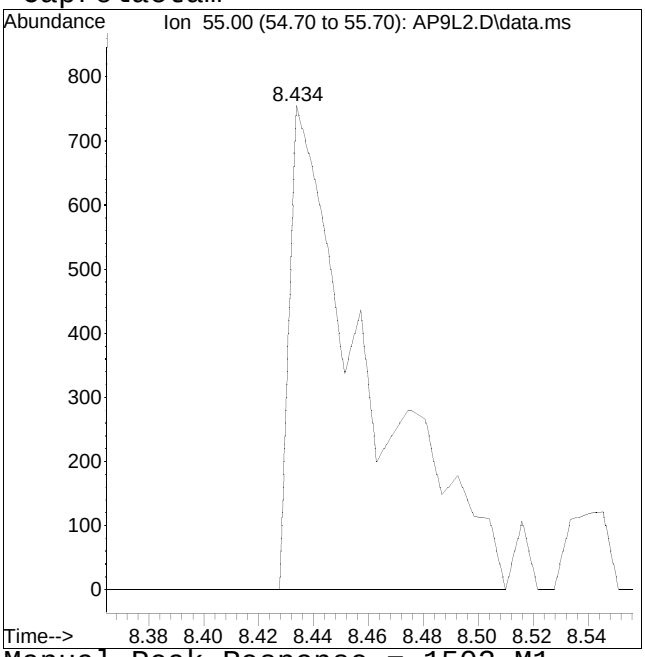
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : AP9L2.D Operator : SV106:HNY
Date Inj'd : 10/10/2024 2:25 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11020Quant Date : 10/11/2024 11:15 am

Compound #60: Caprolactam



Original Peak Response = 1115



Manual Peak Response = 1502 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L1.D
Acq On : 10 Oct 2024 2:49 am
Operator : SV106:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11021
Misc : WG1984388
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 11 11:53:01 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.598	152	70009	4.000	ug/ml		0.00
Standard Area 3 = 68577			Recovery =	102.09%			
55) IS2_Naphthalene-d8	8.010	136	259789	4.000	ug/ml	#	0.00
Standard Area 3 = 261108			Recovery =	99.49%			
83) IS2_Acenaphthene-d10	9.769	164	152390	4.000	ug/ml		0.00
Standard Area 3 = 153971			Recovery =	98.97%			
98) IS2_Phenanthrene-d10	11.216	188	307694	4.000	ug/ml		0.00
Standard Area 3 = 324206			Recovery =	94.91%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.051	105	1355	0.065	ug/ml		92
29) Acetophenone	7.092	105	3024	0.080	ug/ml	#	79
30) m-Toluidine	7.192	106	500	0.015	ug/ml	#	11
31) 2-Chloroaniline	7.586	127	2385	0.080	ug/ml	#	89
56) a-Terpineol	8.081	59	1789	0.069	ug/ml		88
57) 3-Chloroaniline	8.092	65	707	0.054	ug/ml		85
58) 2,6-Dichlorophenol	8.122	162	1585	0.067	ug/ml	#	82
59) 1-chloro-2-nitrobenzene	8.386	111	830	0.071	ug/ml	#	1
60) Caprolactam	0.000		0	N.D.			
61) 1,2,4,5-Tetrachloroben...	8.922	216	2353	0.066	ug/ml		97
62) Biphenyl	9.222	154	5193	0.074	ug/ml		94
84) Dichloran	10.904	206	503	0.053	ug/ml		81
85) Pentachloronitrobenzene	11.057	237	777	0.076	ug/ml	#	7
99) Diphenamid	12.116	167	3550	0.082	ug/ml	#	75

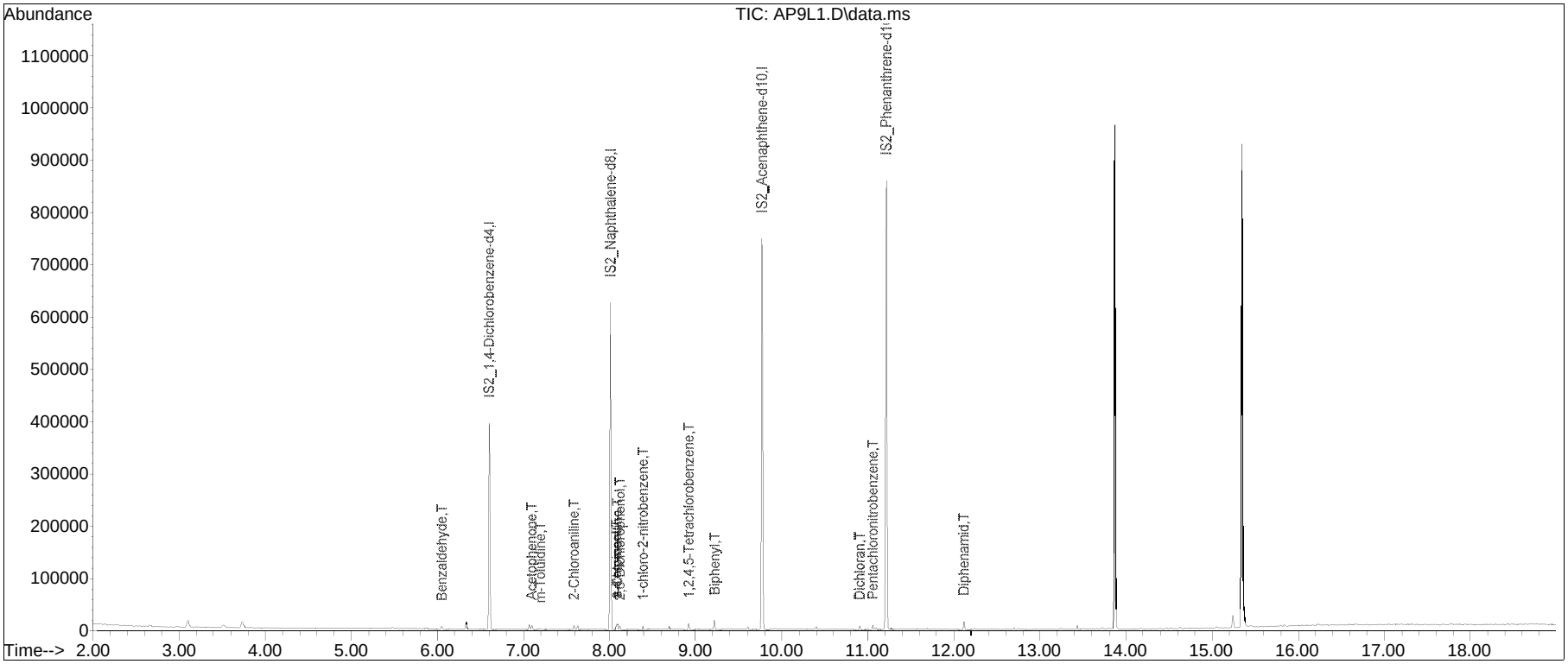
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9L1.D
Acq On : 10 Oct 2024 2:49 am
Operator : SV106:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11021
Misc : WG1984388
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 11 11:53:01 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 11:11:41 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9L1.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 2:49 am	Instrument	: SV 106
Sample	: IL10,32,,AP9L0.1 Lot# 1102	Quant Date	: 10/11/2024 11:15 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	99	0.00
2	t	n-Nitrosodimethylamine		0.760	0.773	-1.7	101	0.00
3	t	Pyridine		1.219	1.269	-4.1	104	0.00
4	S	2-Fluorophenol		1.245	1.223	1.8	99	0.00
5	T	Aniline		1.771	1.817	-2.6	99	0.00
6	t	2-Chlorophenol		1.365	1.381	-1.2	99	0.00
7	S	Phenol-d6		1.498	1.497	0.1	101	0.00
8	T	Phenol		1.555	1.590	-2.3	100	0.00
9	T	Bis(2-chloroethyl)ether		1.280	1.286	-0.5	99	0.00
10	T	1,3-Dichlorobenzene		1.669	1.677	-0.5	102	0.00
11	T	1,4-Dichlorobenzene		1.700	1.683	1.0	101	0.00
12	T	1,2-Dichlorobenzene		1.630	1.606	1.5	99	0.00
13	t	Benzyl alcohol		1.060	1.078	-1.7	100	0.00
14	T	Bis(2-chloroisopropyl)ether		2.014	2.003	0.5	101	0.00
15	T	2-Methylphenol		1.123	1.137	-1.2	99	0.00
16	T	Hexachloroethane		0.614	0.614	0.0	101	0.00
17	T	n-Nitrosodi-n-propylamine		0.940	0.946	-0.6	98	0.00
18	T	3-Methylphenol/4-Methylphen		1.225	1.245	-1.6	99	0.00
19	S	Nitrobenzene-d5		1.359	1.398	-2.9	101	0.00
20	T	Nitrobenzene		1.389	1.408	-1.4	101	0.00
21	T	Isophorone		2.416	2.493	-3.2	100	0.00
22	T	2-Nitrophenol		0.713	0.720	-1.0	95	0.00
23	T	2,4-Dimethylphenol		1.119	1.080	3.5	95	0.00
24	T	Bis(2-chloroethoxy)methane		1.614	1.673	-3.7	101	0.00
25	T	2,4-Dichlorophenol		1.250	1.287	-3.0	98	0.00
26	T	1,2,4-Trichlorobenzene		1.449	1.440	0.6	101	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	97	0.00
36	T	Naphthalene		1.129	1.129	0.0	101	0.00
37	T	Benzoic Acid	*	5.000	4.755	4.9	93	0.00
38	T	4-Chloroaniline		0.127	0.131	-3.1	99	0.00
39	T	Hexachlorobutadiene		0.239	0.246	-2.9	100	0.00
40	T	p-Chloro-m-cresol		0.296	0.303	-2.4	97	0.00
41	T	2-Methylnaphthalene		0.752	0.781	-3.9	102	0.00
42	T	1-Methylnaphthalene		0.243	0.250	-2.9	103	0.00
43	T	Hexachlorocyclopentadiene		0.262	0.282	-7.6	105	0.00
44	T	2,4,6-Trichlorophenol		0.275	0.278	-1.1	95	0.00
45	T	2,4,5-Trichlorophenol		0.285	0.294	-3.2	99	0.00
46	S	2-Fluorobiphenyl		0.926	0.958	-3.5	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.785	0.792	-0.9	100	0.00
48	T	2-Nitroaniline		0.223	0.235	-5.4	98	0.00
49	T	1,4-Dinitrobenzene		0.114	0.120	-5.3	96	0.00
50	T	1,3-Dinitrobenzene		0.125	0.137	-9.6	98	0.00
51	T	Dimethyl phthalate		0.915	0.968	-5.8	100	0.00
52	T	Acenaphthylene		1.170	1.253	-7.1	104	0.00
53	T	2,6-Dinitrotoluene		0.186	0.207	-11.3	99	0.00
54	T	1,2-Dinitrobenzene		0.081	0.087	-7.4	99	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	97	0.00
64	T	3-Nitroaniline		0.323	0.349	-8.0	101	0.00
65	T	Acenaphthene		1.157	1.189	-2.8	104	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.890	2.2	92	0.00
67	T	Dibenzofuran		1.872	1.841	1.7	101	0.00
68	T	2,4-Dinitrotoluene		0.419	0.446	-6.4	99	0.00
69	T	4-Nitrophenol		0.239	0.247	-3.3	94	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.390	0.422	-8.2	101	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.385	0.413	-7.3	100	0.00
72	T	Diethyl phthalate		1.518	1.519	-0.1	99	0.00
73	T	Fluorene		1.462	1.457	0.3	99	0.00
74	T	4-Chlorophenyl phenyl ether		0.750	0.742	1.1	100	0.00
75	T	4-Nitroaniline		0.329	0.337	-2.4	98	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.554	8.9	95	0.00
77	T	NDPA/DPA		1.261	1.306	-3.6	101	0.00
78	T	Azobenzene		1.232	1.248	-1.3	98	0.00
79	S	2,4,6-Tribromophenol		0.226	0.229	-1.3	97	0.00
80	T	4-Bromophenyl phenyl ether		0.465	0.464	0.2	99	0.00
81	T	Hexachlorobenzene		0.526	0.512	2.7	100	0.00
82	T	Pentachlorophenol		0.319	0.320	-0.3	95	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	97	0.00
89	T	Phenanthrene		1.174	1.168	0.5	101	0.00
90	T	Anthracene		1.170	1.177	-0.6	102	0.00
91	T	Carbazole		1.054	1.069	-1.4	99	0.00
92	T	Di-n-butylphthalate		1.319	1.407	-6.7	101	0.00
93	T	Fluoranthene		1.353	1.408	-4.1	101	0.00
94	T	Benzidine		0.776	0.858	-10.6	99	0.00
95	T	Pyrene		1.428	1.499	-5.0	103	0.00
96	S	4-Terphenyl-d14		1.073	1.135	-5.8	104	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.555	0.604	-8.8	98	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	98	0.00
105	T	Benzo(a)anthracene	1.379	1.351	2.0	101	0.00
106	T	3,3'-Dichlorobenzidine	0.453	0.477	-5.3	100	0.00
107	T	Chrysene	1.324	1.265	4.5	99	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.828	0.908	-9.7	100	0.00
109	T	Di-n-octylphthalate	1.373	1.522	-10.9	99	0.00
110	T	Benzo(b)fluoranthene	1.331	1.301	2.3	99	0.00
111	T	Benzo(k)fluoranthene	1.240	1.307	-5.4	102	0.00
112	T	Benzo(a)pyrene	1.155	1.237	-7.1	105	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.213	1.215	-0.2	97	0.00
115	T	Dibenzo(a,h)anthracene	1.153	1.219	-5.7	101	0.00
116	T	Benzo(ghi)perylene	1.080	1.119	-3.6	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.604	152	68684	4.000	ug/ml	0.00
Standard Area 1 = 69296			Recovery = 99.12%			
35) IS1_Naphthalene-d8	8.010	136	257423	4.000	ug/ml	# 0.00
Standard Area 1 = 264583			Recovery = 97.29%			
63) IS1_Acenaphthene-d10	9.775	164	161843	4.000	ug/ml	0.00
Standard Area 1 = 166975			Recovery = 96.93%			
88) IS1_Phenanthrene-d10	11.216	188	316695	4.000	ug/ml	0.00
Standard Area 1 = 326455			Recovery = 97.01%			
104) IS1_Chrysene-d12	13.868	240	347282	4.000	ug/ml	0.00
Standard Area 1 = 353807			Recovery = 98.16%			
113) IS1_Perylene-d12	15.345	264	367125	4.000	ug/ml	0.00
Standard Area 1 = 379737			Recovery = 96.68%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.775	112	105042	4.915	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 245.75%#			
7) Phenol-d6	6.228	99	128496	4.996	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.80%#			
19) Nitrobenzene-d5	7.245	82	119995	5.141	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 514.10%#			
46) 2-Fluorobiphenyl	9.128	172	308242	5.174	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 517.40%#			
79) 2,4,6-Tribromophenol	10.545	330	46238	5.050	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.50%#			
96) 4-Terphenyl-d14	12.804	244	449426	5.288	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 528.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.305	74	66355	5.083	ug/ml#	67
3) Pyridine	2.340	79	108986	5.208	ug/ml#	63
5) Aniline	6.198	93	156034	5.131	ug/ml	97
6) 2-Chlorophenol	6.340	128	118551	5.057	ug/ml	91
8) Phenol	6.245	94	136545	5.115	ug/ml	95
9) Bis(2-chloroethyl)ether	6.322	93	110450	5.024	ug/ml	87
10) 1,3-Dichlorobenzene	6.528	146	143984	5.025	ug/ml	97
11) 1,4-Dichlorobenzene	6.622	146	144474	4.950	ug/ml	97
12) 1,2-Dichlorobenzene	6.798	146	137894	4.926	ug/ml	97

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.798	79	92581	5.086	ug/ml	99
14) Bis(2-chloroisopropyl)...	6.975	45	171977	4.974	ug/ml#	58
15) 2-Methylphenol	6.963	108	97643	5.062	ug/ml	96
16) Hexachloroethane	7.181	117	52744	5.004	ug/ml#	59
17) n-Nitrosodi-n-propylamine	7.122	70	81185	5.029	ug/ml	96
18) 3-Methylphenol/4-Methy...	7.145	108	106865	5.080	ug/ml	98
20) Nitrobenzene	7.269	77	120866	5.068	ug/ml	96
21) Isophorone	7.545	82	214041	5.159	ug/ml	98
22) 2-Nitrophenol	7.622	139	61782	5.049	ug/ml	88
23) 2,4-Dimethylphenol	7.716	107	92715	4.827	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.810	93	143604	5.181	ug/ml	100
25) 2,4-Dichlorophenol	7.881	162	110484	5.148	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.963	180	123600	4.968	ug/ml	94
36) Naphthalene	8.034	128	363286	4.999	ug/ml	100
37) Benzoic Acid	7.804	105	65401	4.755	ug/ml	94
38) 4-Chloroaniline	8.110	65	42184	5.175	ug/ml#	72
39) Hexachlorobutadiene	8.198	225	79167	5.152	ug/ml	99
40) p-Chloro-m-cresol	8.633	107	97611	5.120	ug/ml	93
41) 2-Methylnaphthalene	8.745	142	251305	5.189	ug/ml	96
42) 1-Methylnaphthalene	8.839	115	80597	5.144	ug/ml	95
43) Hexachlorocyclopentadiene	8.922	237	90794	5.387	ug/ml	98
44) 2,4,6-Trichlorophenol	9.039	196	89438	5.050	ug/ml	99
45) 2,4,5-Trichlorophenol	9.069	196	94454	5.151	ug/ml	99
47) 2-Chloronaphthalene	9.228	162	254917	5.049	ug/ml	96
48) 2-Nitroaniline	9.333	138	75716	5.268	ug/ml#	83
49) 1,4-Dinitrobenzene	9.469	168	38619	5.263	ug/ml#	75
50) 1,3-Dinitrobenzene	9.545	168	44206	5.496	ug/ml#	1
51) Dimethyl phthalate	9.539	163	311435	5.291	ug/ml#	99
52) Acenaphthylene	9.628	152	403177	5.356	ug/ml	99
53) 2,6-Dinitrotoluene	9.581	165	66602	5.566	ug/ml#	73
54) 1,2-Dinitrobenzene	9.628	168	28077	5.413	ug/ml#	1
64) 3-Nitroaniline	9.739	138	70653	5.406	ug/ml#	92
65) Acenaphthene	9.804	154	240578	5.139	ug/ml	93
66) 2,4-Dinitrophenol	9.839	184	38145	4.890	ug/ml#	84
67) Dibenzofuran	9.975	168	372461	4.918	ug/ml	96
68) 2,4-Dinitrotoluene	9.975	165	90317	5.325	ug/ml	88
69) 4-Nitrophenol	9.922	65	50008	5.173	ug/ml#	80
70) 2,3,5,6-Tetrachlorophenol	10.063	232	85379	5.405	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	10.104	232	83604	5.362	ug/ml		97
72)	Diethyl phthalate	10.233	149	307265	5.003	ug/ml		99
73)	Fluorene	10.310	166	294821	4.984	ug/ml		94
74)	4-Chlorophenyl phenyl ...	10.328	204	150045	4.942	ug/ml		89
75)	4-Nitroaniline	10.333	138	68272	5.134	ug/ml	#	82
76)	4,6-Dinitro-o-cresol	10.369	198	51882	4.554	ug/ml	#	60
77)	NDPA/DPA	10.439	169	264255	5.178	ug/ml		99
78)	Azobenzene	10.475	77	252540	5.065	ug/ml	#	90
80)	4-Bromophenyl phenyl e...	10.798	248	93831	4.989	ug/ml	#	84
81)	Hexachlorobenzene	10.851	284	103516	4.861	ug/ml	#	83
82)	Pentachlorophenol	11.045	266	64691	5.020	ug/ml		99
89)	Phenanthrene	11.239	178	462471	4.977	ug/ml		99
90)	Anthracene	11.286	178	465973	5.029	ug/ml		99
91)	Carbazole	11.451	167	423253	5.073	ug/ml		99
92)	Di-n-butylphthalate	11.839	149	556869	5.333	ug/ml		98
93)	Fluoranthene	12.398	202	557525	5.203	ug/ml	#	92
94)	Benzidine	12.545	184	339703	5.530	ug/ml	#	95
95)	Pyrene	12.616	202	593234	5.248	ug/ml		100
97)	Butyl benzyl phthalate	13.327	149	238944	5.443	ug/ml		87
105)	Benzo(a)anthracene	13.857	228	586338	4.896	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.857	252	206912	5.260	ug/ml	#	97
107)	Chrysene	13.898	228	549197	4.779	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.968	149	394308	5.485	ug/ml	#	93
109)	Di-n-octylphthalate	14.651	149	660821	5.543	ug/ml	#	73
110)	Benzo(b)fluoranthene	14.974	252	564800	4.888	ug/ml	#	95
111)	Benzo(k)fluoranthene	15.004	252	567319	5.271	ug/ml	#	94
112)	Benzo(a)pyrene	15.292	252	537065	5.356	ug/ml	#	94
114)	Indeno(1,2,3-cd)pyrene	16.357	276	557701M6	5.011	ug/mL		
115)	Dibenzo(a,h)anthracene	16.380	278	559514	5.286	ug/ml	#	91
116)	Benzo(ghi)perylene	16.621	276	513605	5.182	ug/ml	#	87

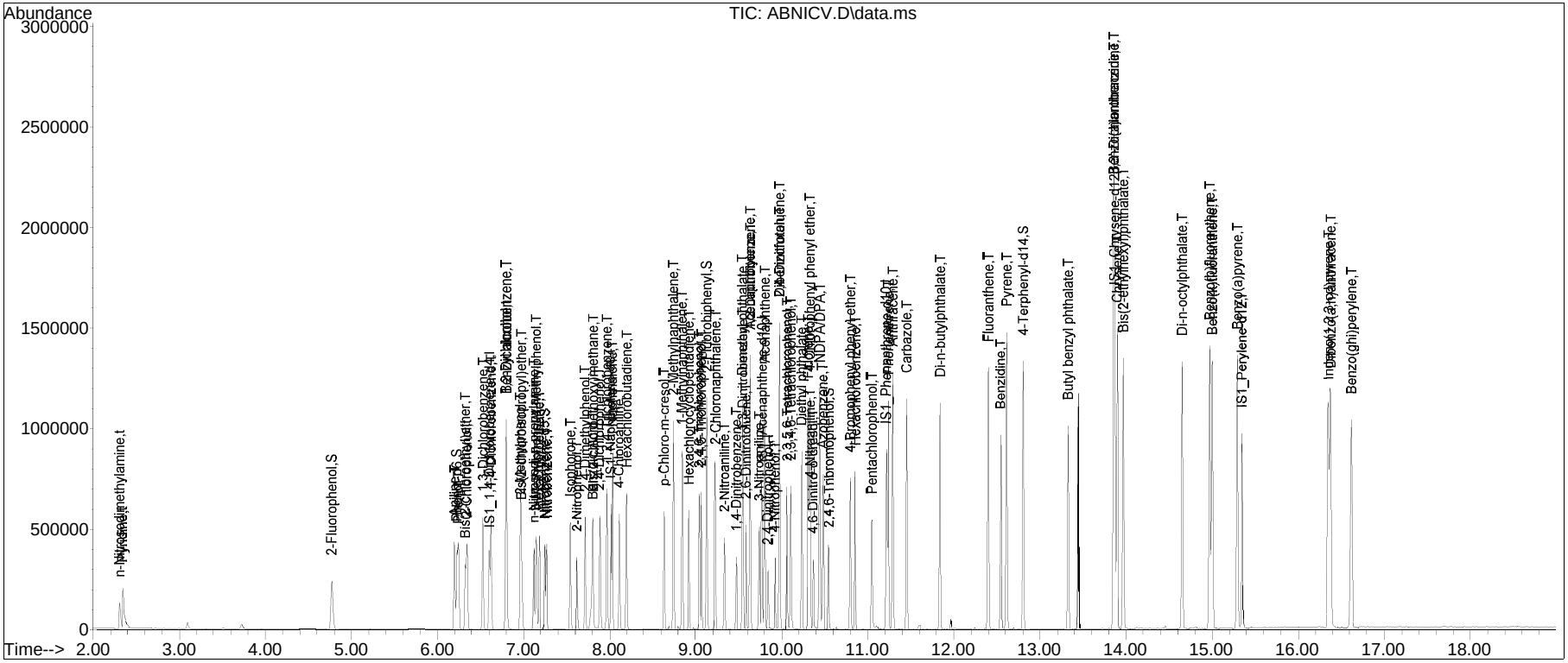
(#) = qualifier out of range (m) = manual integration (+) = signals summed

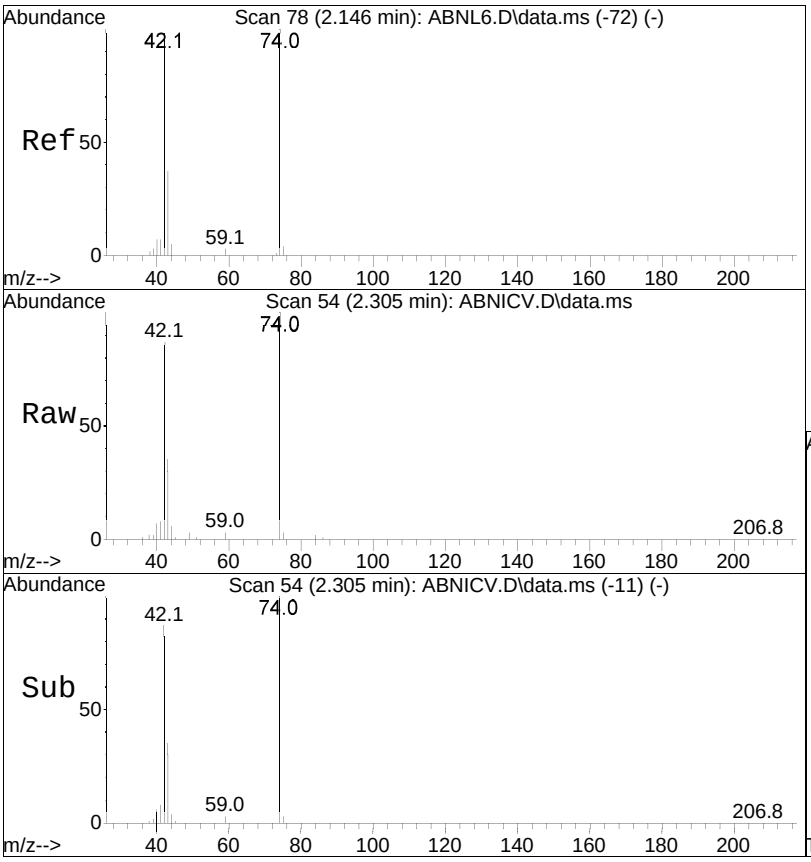
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ABNICV.D
Acq On : 10 Oct 2024 3:13 am
Operator : SV106:HNY
Sample : CQICV1,32,,ABNICV Lot# 11031
Misc : WG1984388
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 16 05:38:56 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Oct 16 05:40:28 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

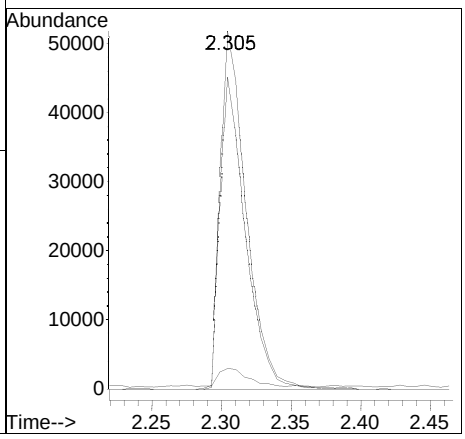


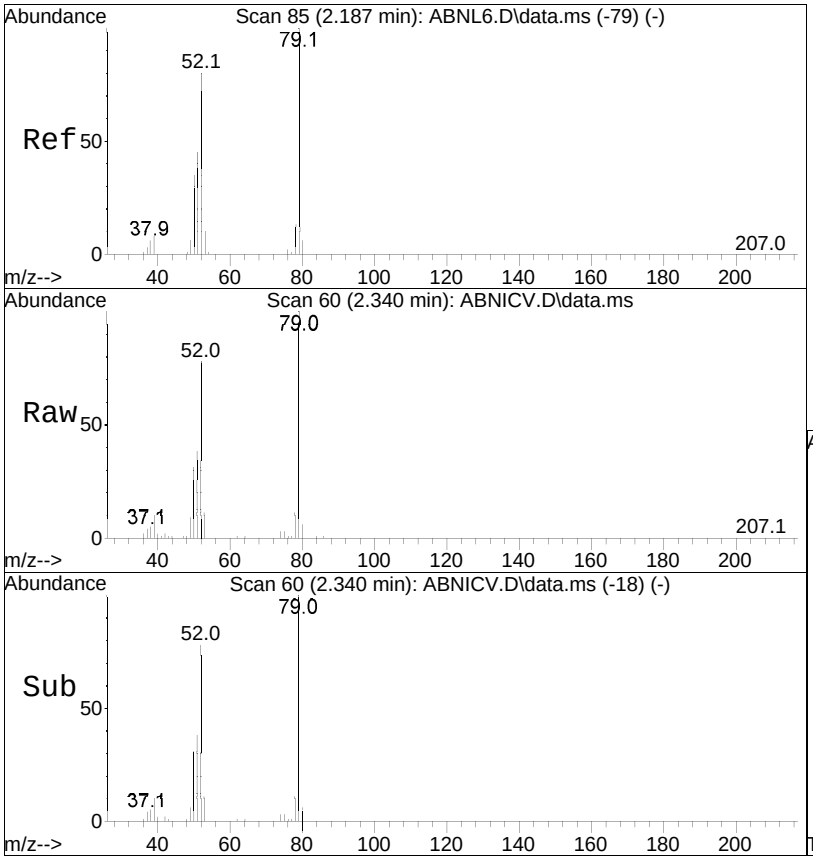


#2
n-Nitrosodimethylamine
Concen: 5.08 ug/ml
RT: 2.305 min Scan# 54
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 74 Resp: 66355

Ion	Ratio	Lower	Upper
74	100		
42	85.7	100.0	150.0#
44	5.5	6.7	10.1#

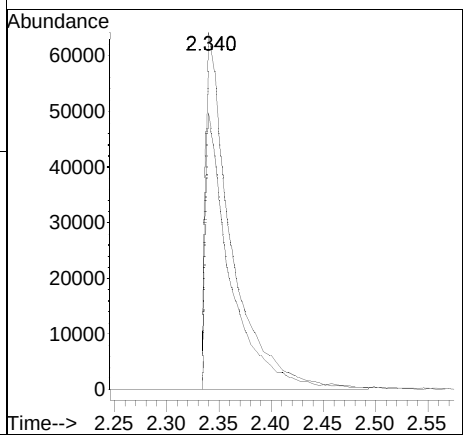


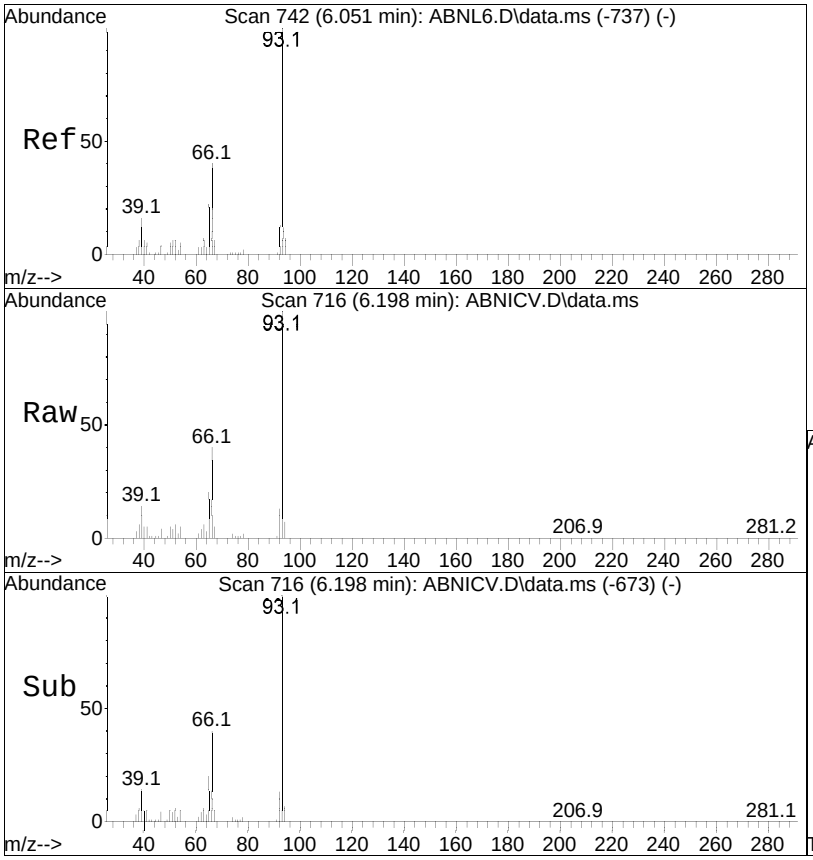


#3
Pyridine
Concen: 5.21 ug/ml
RT: 2.340 min Scan# 60
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 79 Resp: 108986

Ion	Ratio	Lower	Upper
79	100		
52	76.1	93.1	139.7#

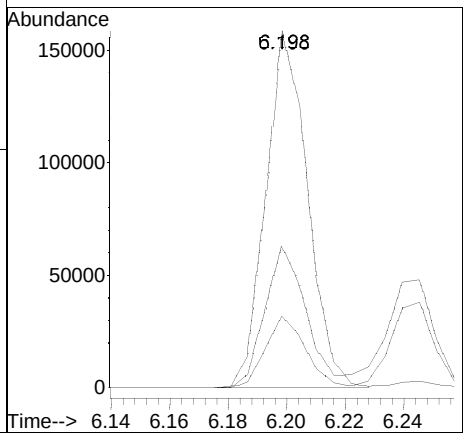


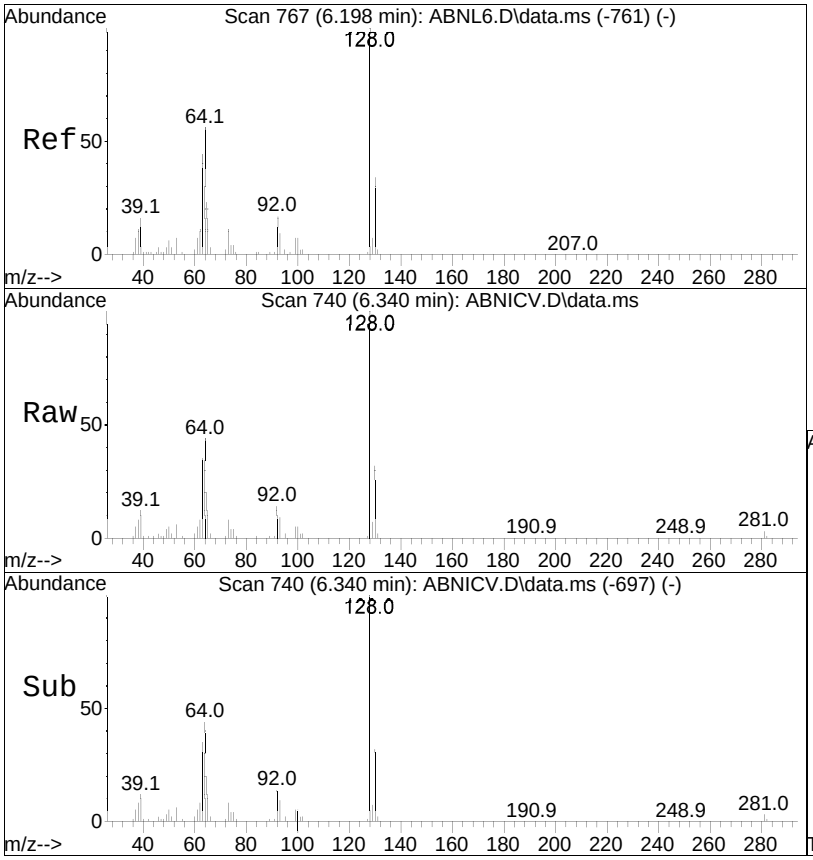


#5
Aniline
Concen: 5.13 ug/ml
RT: 6.198 min Scan# 716
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 156034

Ion	Ratio	Lower	Upper
93	100		
66	39.1	32.6	49.0
65	19.7	17.6	26.4

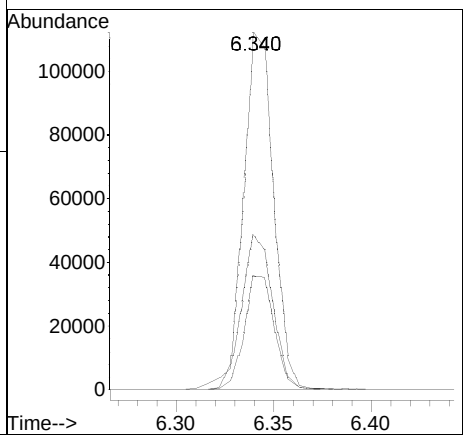


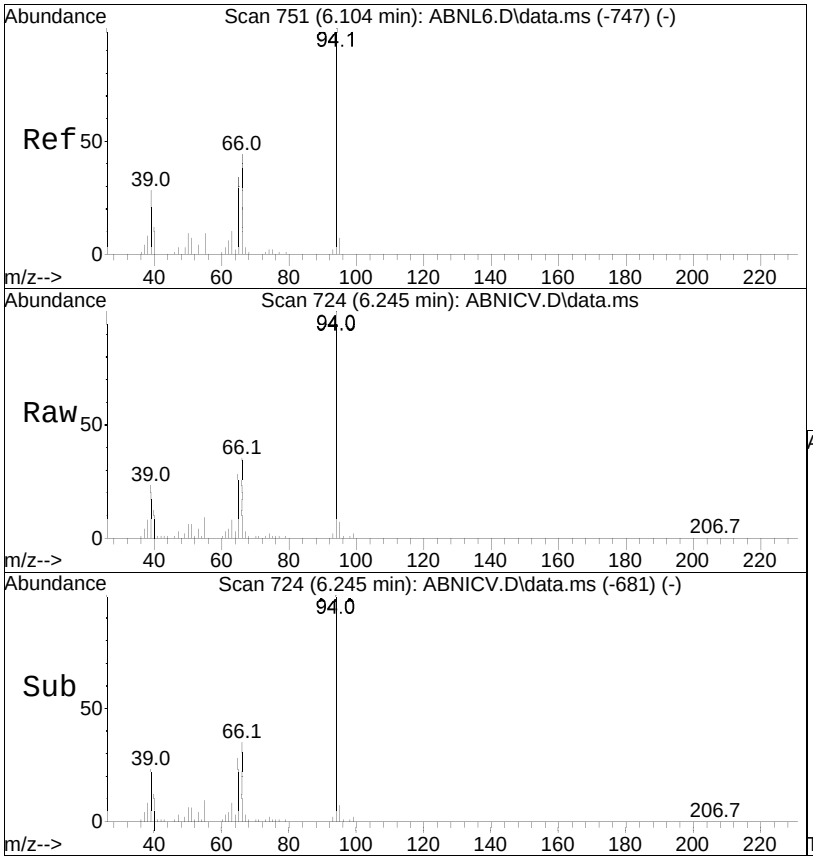


#6
2-Chlorophenol
Concen: 5.06 ug/ml
RT: 6.340 min Scan# 740
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:128 Resp: 118551

Ion	Ratio	Lower	Upper
128	100		
64	46.4	45.1	67.7
130	32.2	26.2	39.4

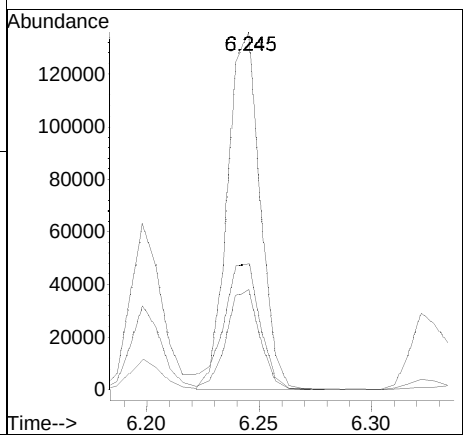


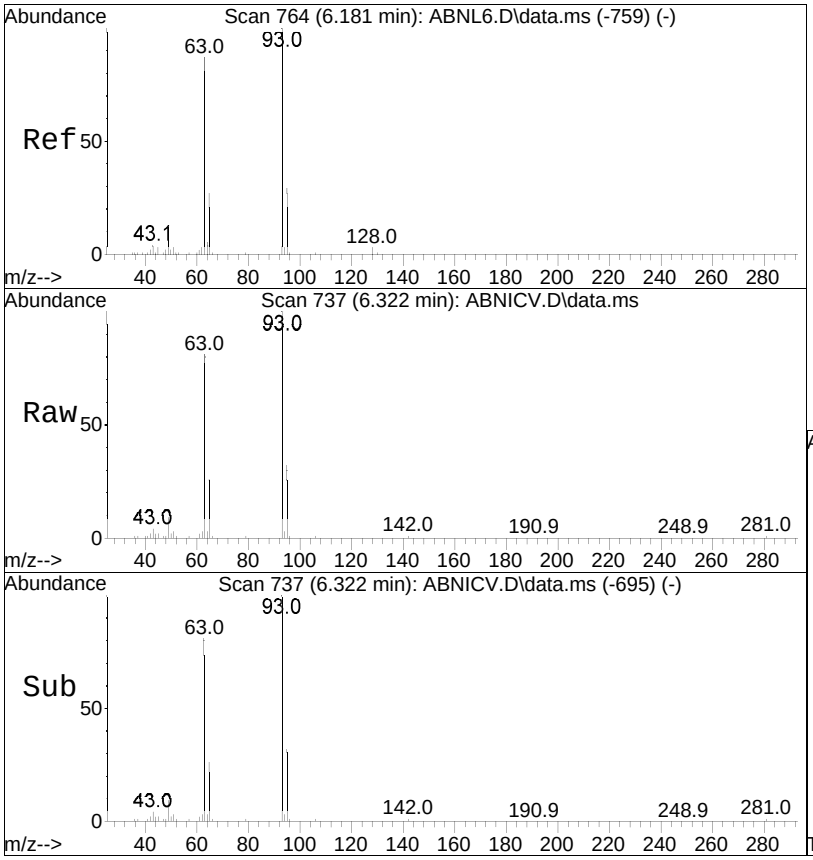


#8
Phenol
Concen: 5.12 ug/ml
RT: 6.245 min Scan# 724
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 94 Resp: 136545

Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	39.5	33.8	50.8

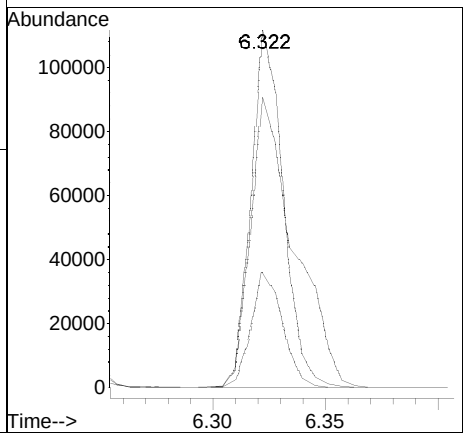


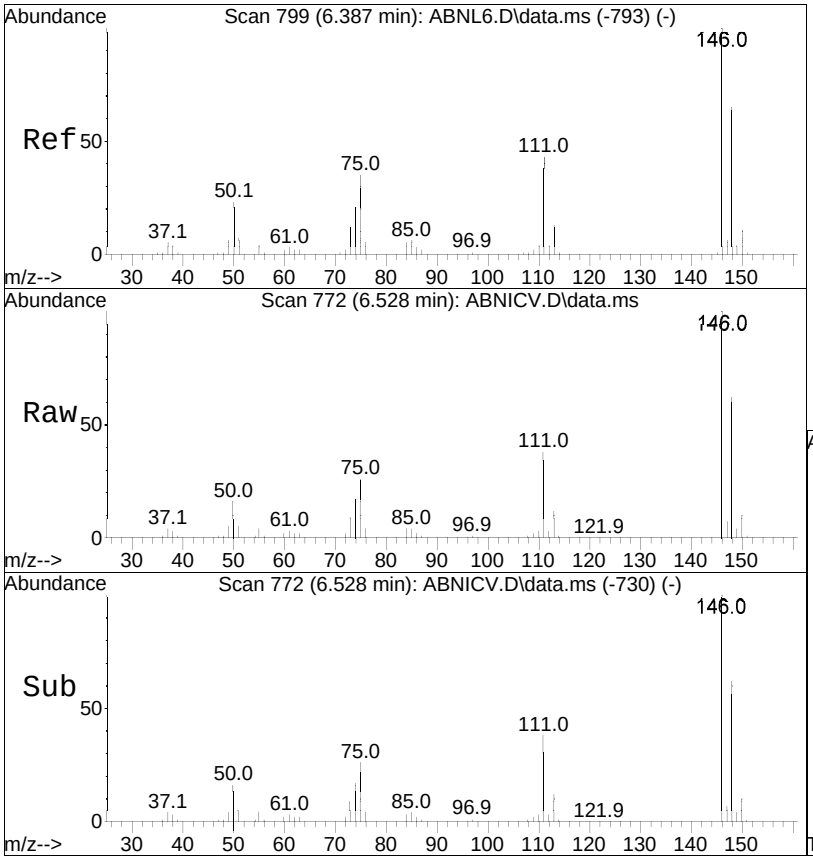


#9
Bis(2-chloroethyl)ether
Concen: 5.02 ug/ml
RT: 6.322 min Scan# 737
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 110450

Ion	Ratio	Lower	Upper
93	100		
63	110.3	74.6	111.8
95	31.7	25.9	38.9

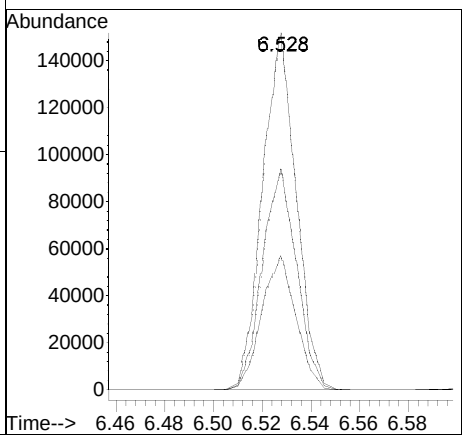


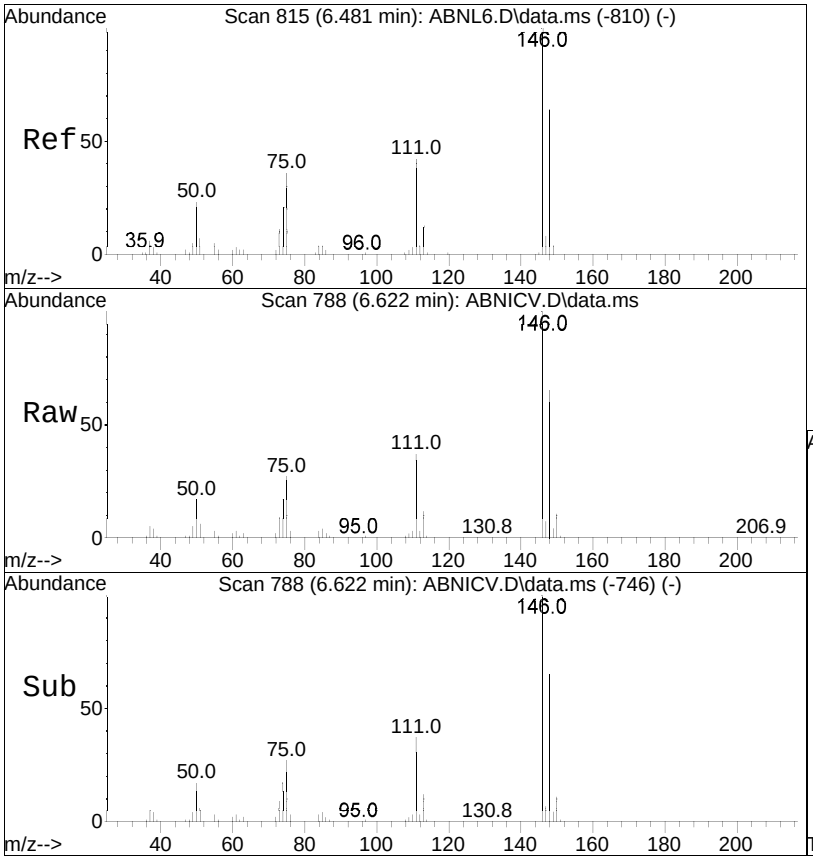


#10
1,3-Dichlorobenzene
Concen: 5.02 ug/ml
RT: 6.528 min Scan# 772
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 143984

Ion	Ratio	Lower	Upper
146	100		
111	38.6	34.3	51.5
148	63.2	50.8	76.2

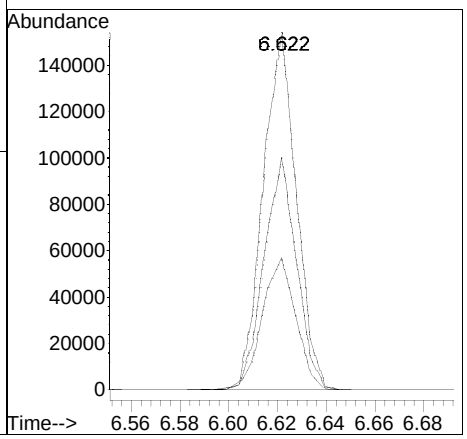


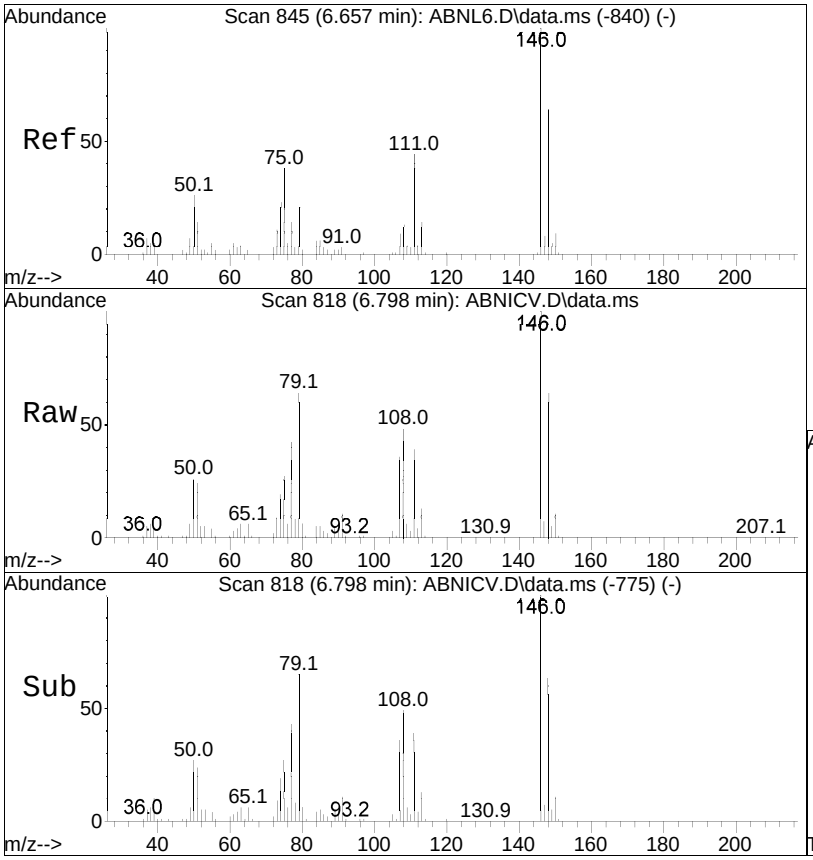


#11
1,4-Dichlorobenzene
Concen: 4.95 ug/ml
RT: 6.622 min Scan# 788
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 144474

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.7	76.1
111	37.9	33.4	50.0

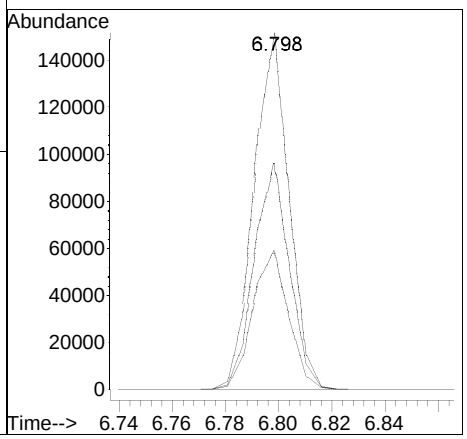


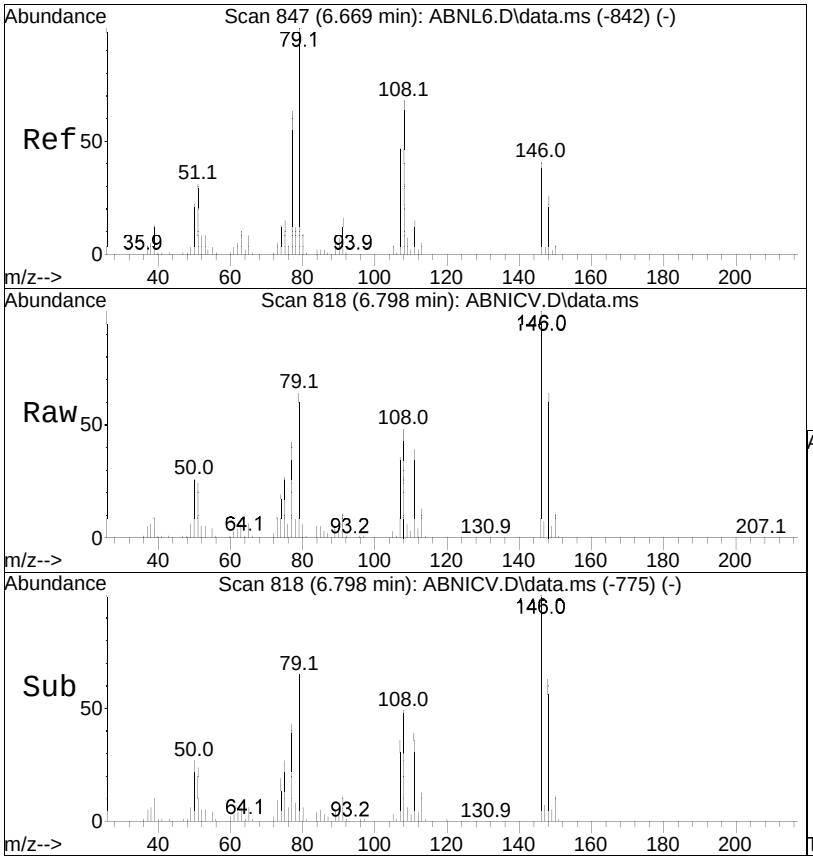


#12
1,2-Dichlorobenzene
Concen: 4.93 ug/ml
RT: 6.798 min Scan# 818
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:146 Resp: 137894

Ion	Ratio	Lower	Upper
146	100		
111	40.2	34.6	52.0
148	64.1	50.2	75.4

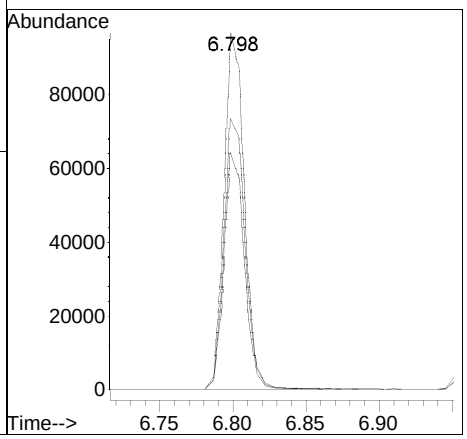


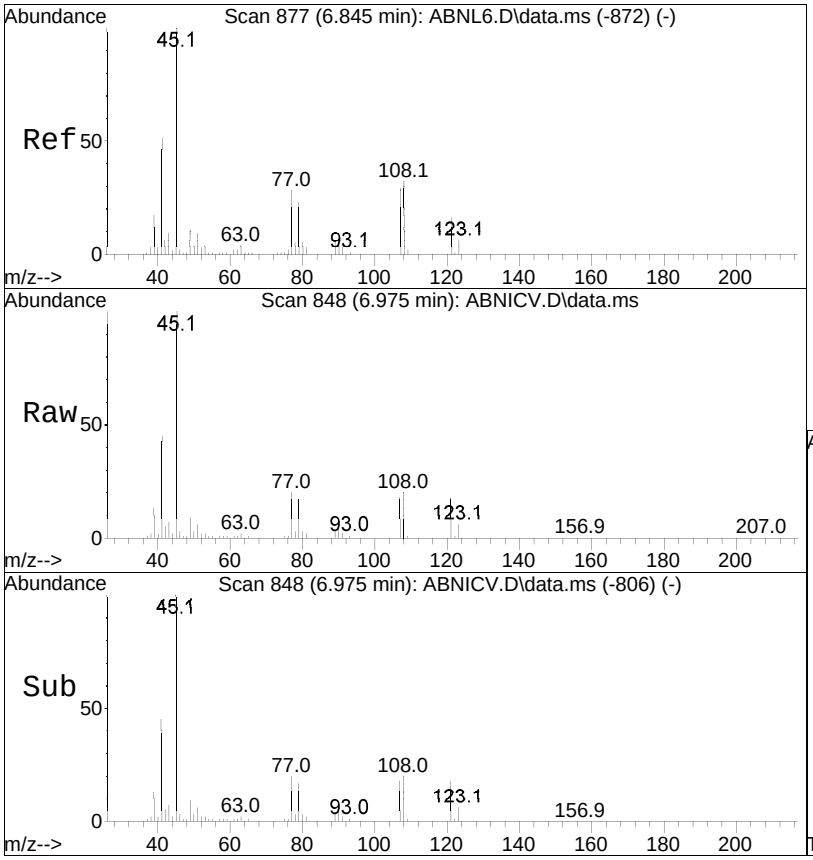


#13
Benzyl alcohol
Concen: 5.09 ug/ml
RT: 6.798 min Scan# 818
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 79 Resp: 92581

Ion	Ratio	Lower	Upper
79	100		
77	66.4	54.9	82.3
108	78.6	63.1	94.7

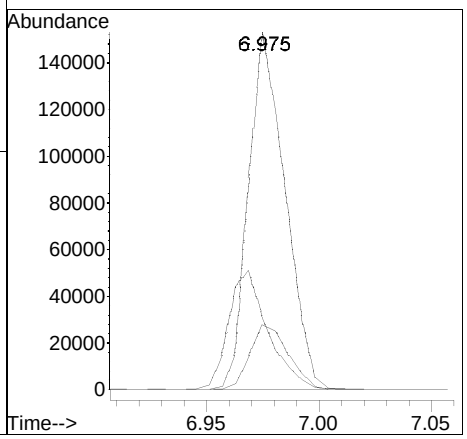


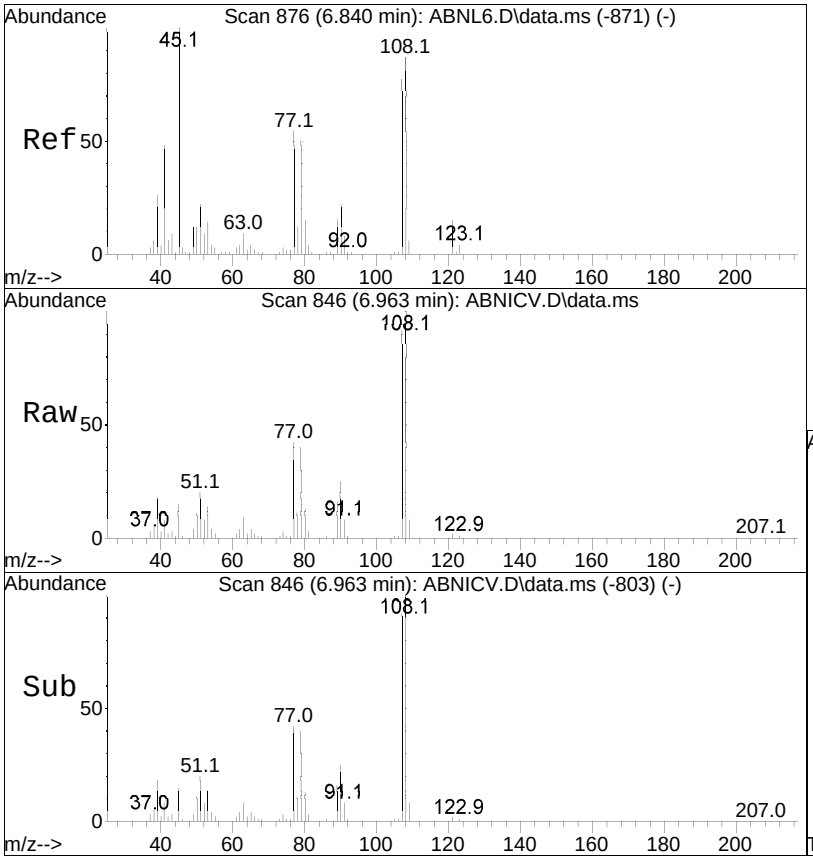


#14
Bis(2-chloroisopropyl)ether
Concen: 4.97 ug/ml
RT: 6.975 min Scan# 848
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 45 Resp: 171977

Ion	Ratio	Lower	Upper
45	100		
121	19.1	9.8	14.6#
77	36.1	6.1	9.1#

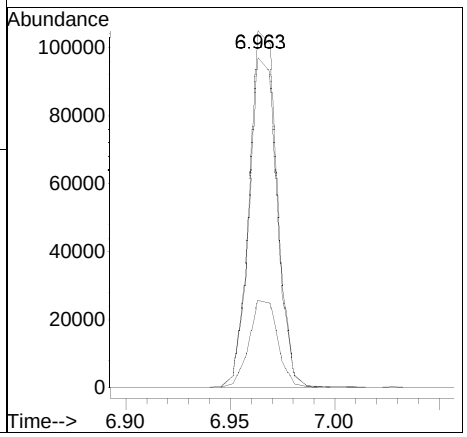


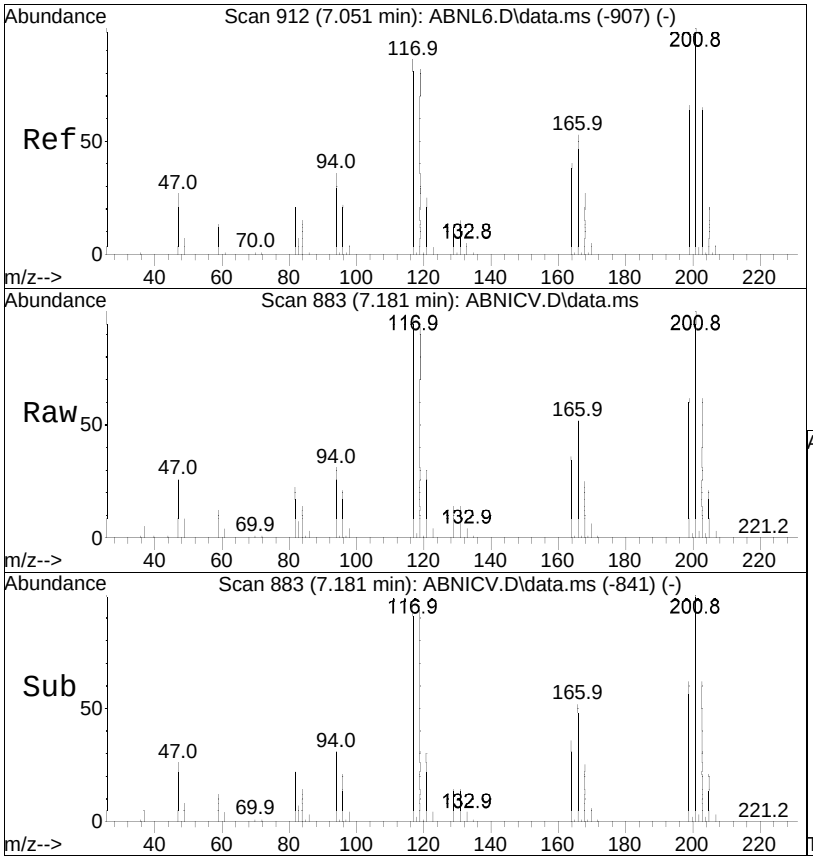


#15
2-Methylphenol
Concen: 5.06 ug/ml
RT: 6.963 min Scan# 846
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:108 Resp: 97643

Ion	Ratio	Lower	Upper
108	100		
107	92.3	70.7	106.1
90	25.1	18.7	28.1

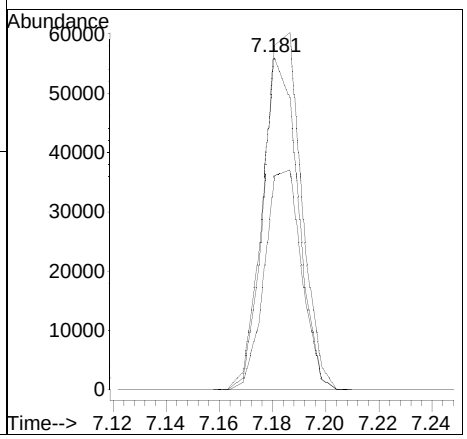


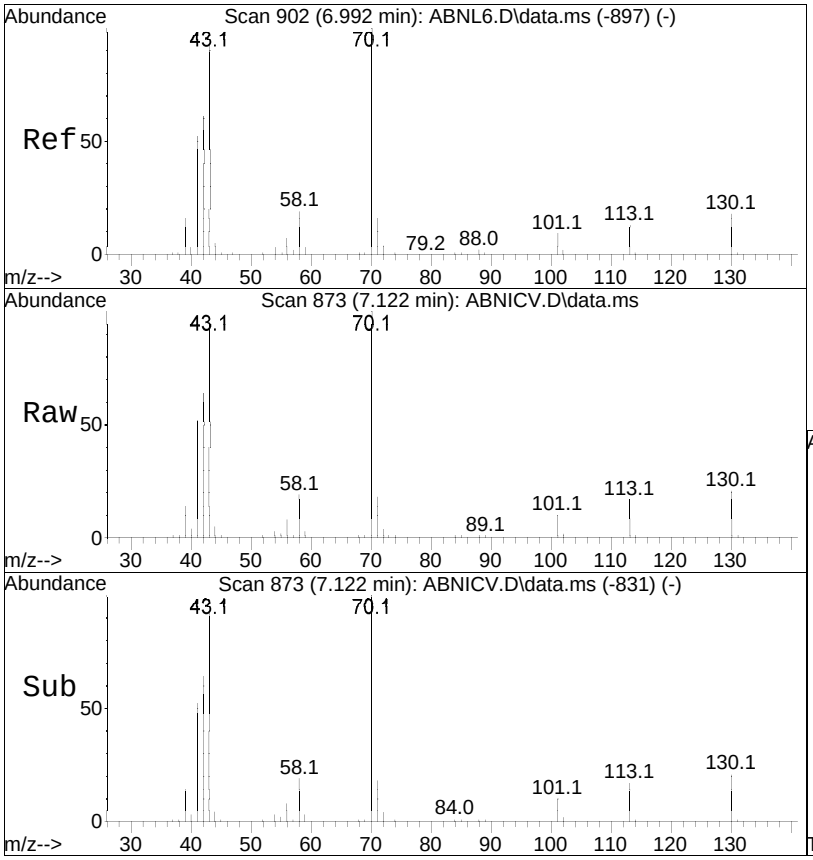


#16
Hexachloroethane
Concen: 5.00 ug/ml
RT: 7.181 min Scan# 883
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:117 Resp: 52744

Ion	Ratio	Lower	Upper
117	100		
201	111.9	58.6	87.8#
199	68.4	36.9	55.3#

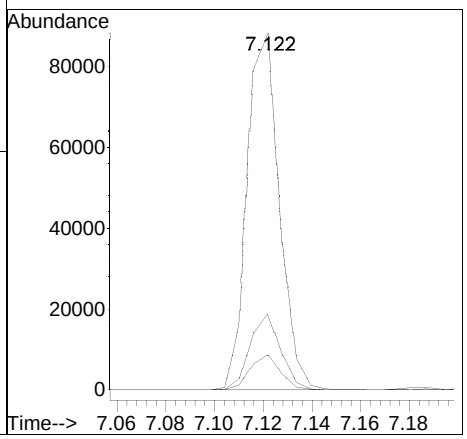


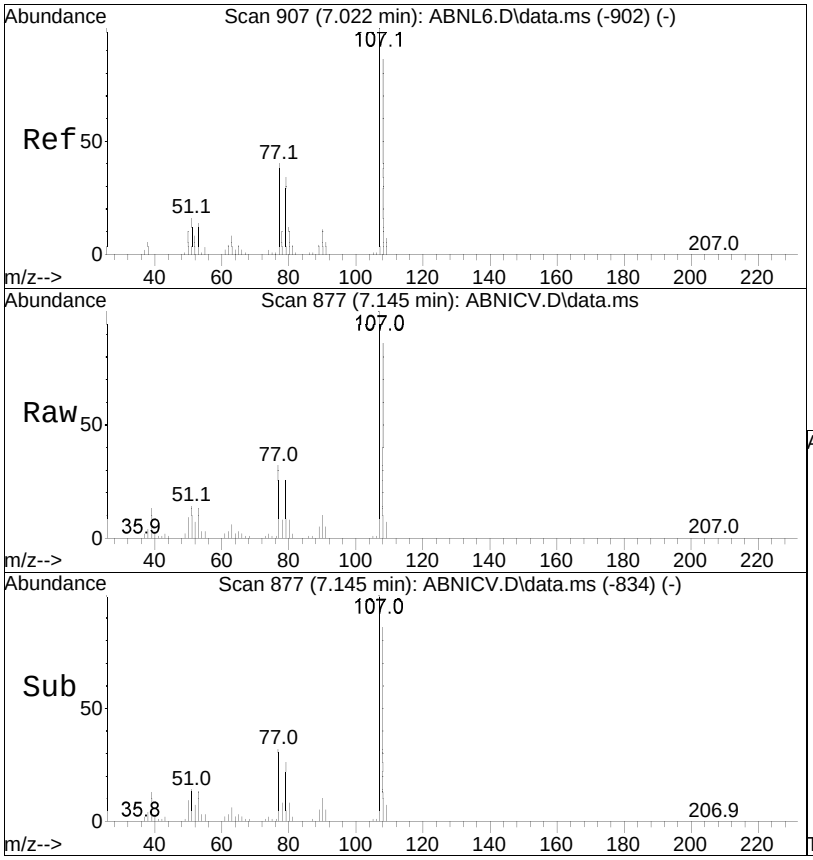


#17
n-Nitrosodi-n-propylamine
Concen: 5.03 ug/ml
RT: 7.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 70 Resp: 81185

Ion	Ratio	Lower	Upper
70	100		
130	20.1	18.2	27.4
101	9.2	7.8	11.8

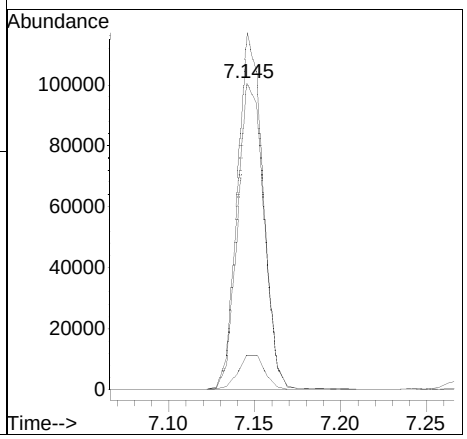


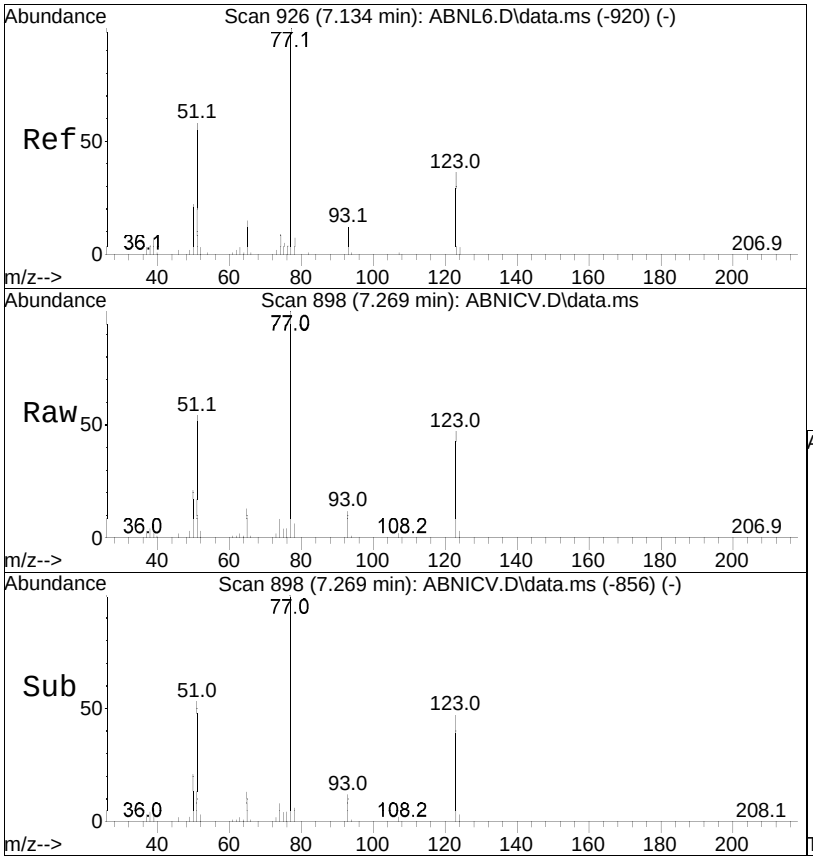


#18
3-Methylphenol/4-Methylphenol
Concen: 5.08 ug/ml
RT: 7.145 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:108 Resp: 106865

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.6	132.8
90	11.3	8.8	13.2

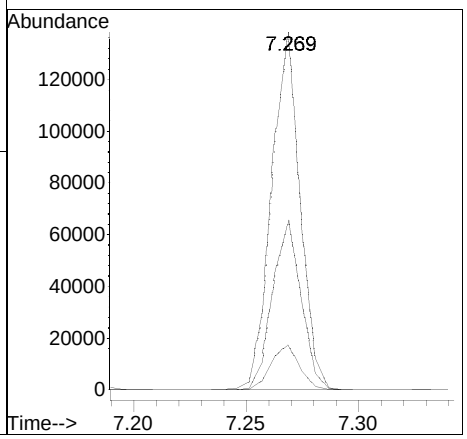


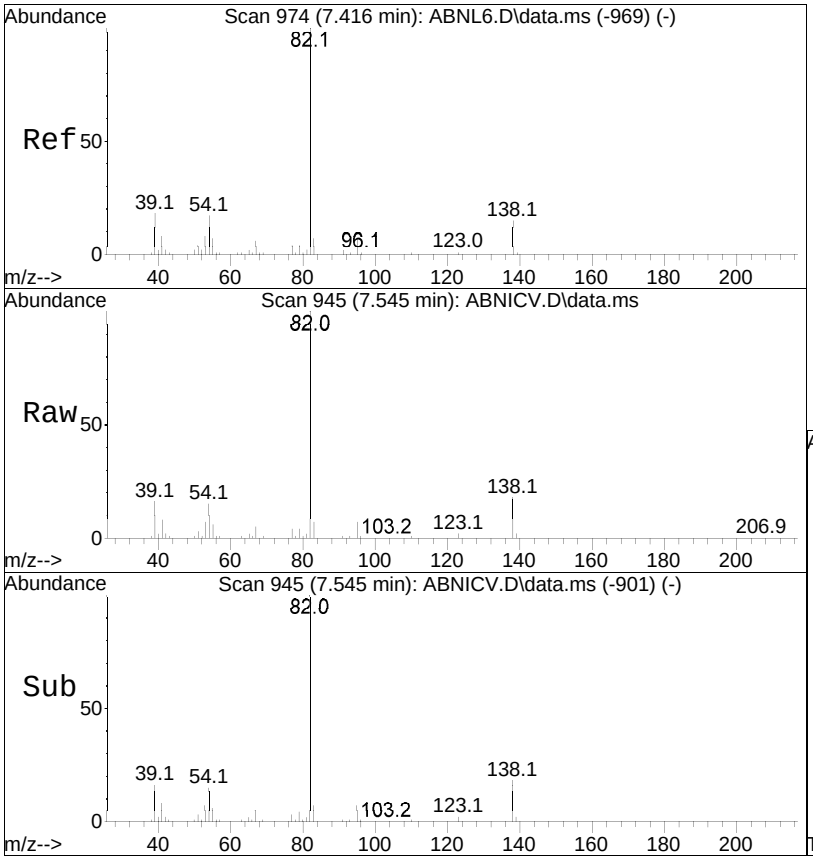


#20
Nitrobenzene
Concen: 5.07 ug/ml
RT: 7.269 min Scan# 898
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 77 Resp: 120866

Ion	Ratio	Lower	Upper
77	100		
123	47.6	36.3	54.5
65	12.7	11.6	17.4

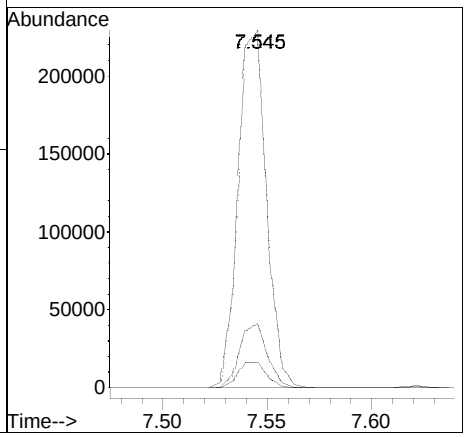


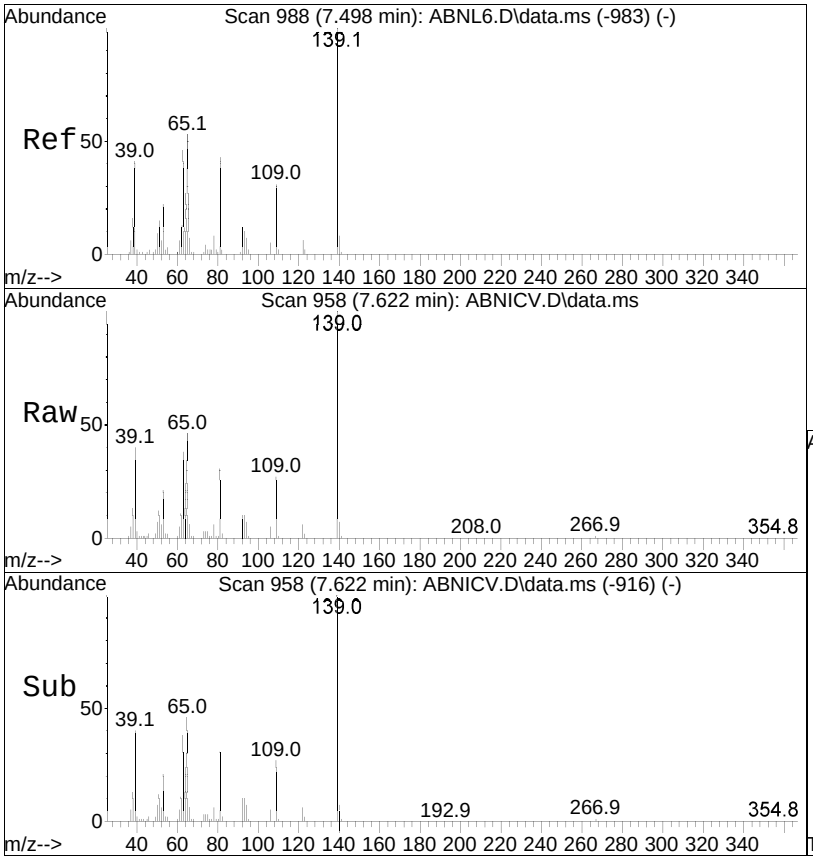


#21
Isophorone
Concen: 5.16 ug/ml
RT: 7.545 min Scan# 945
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 82 Resp: 214041

Ion	Ratio	Lower	Upper
82	100		
138	17.6	14.7	22.1
95	7.3	5.2	7.8

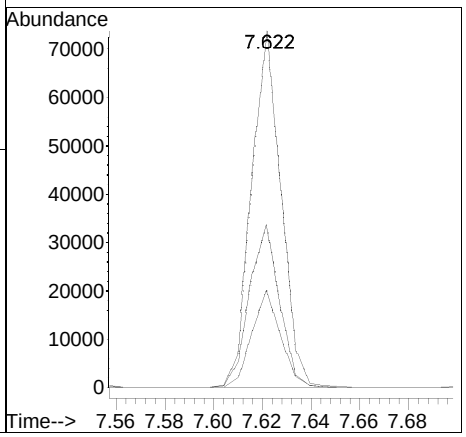


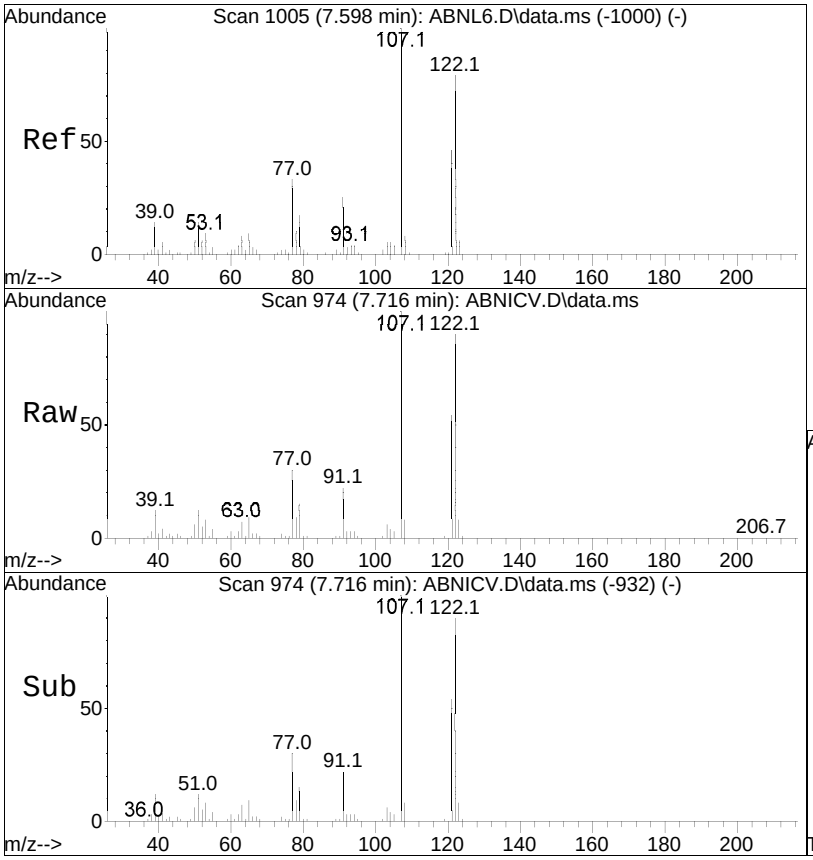


#22
2-Nitrophenol
Concen: 5.05 ug/ml
RT: 7.622 min Scan# 958
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:139 Resp: 61782

Ion	Ratio	Lower	Upper
139	100		
109	26.8	19.4	29.0
65	46.7	46.1	69.1

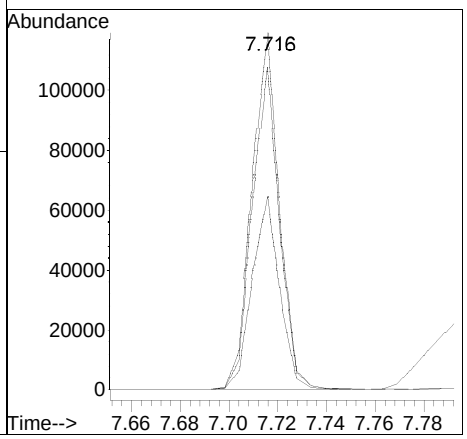


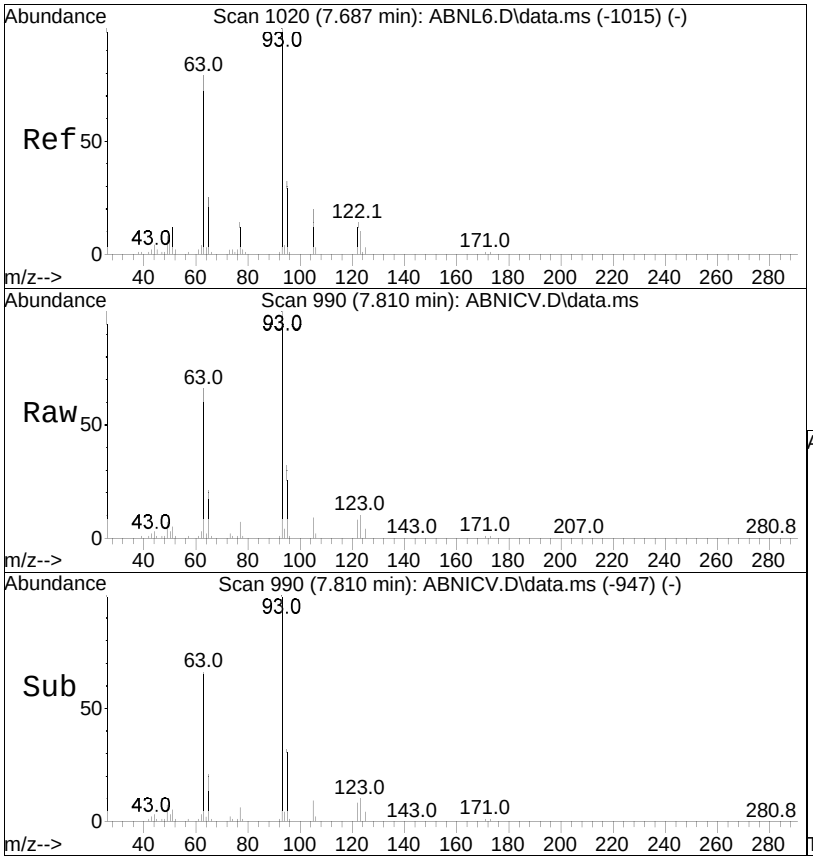


#23
2,4-Dimethylphenol
Concen: 4.83 ug/ml
RT: 7.716 min Scan# 974
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:107 Resp: 92715

Ion	Ratio	Lower	Upper
107	100		
121	54.2	40.0	60.0
122	89.8	70.2	105.4

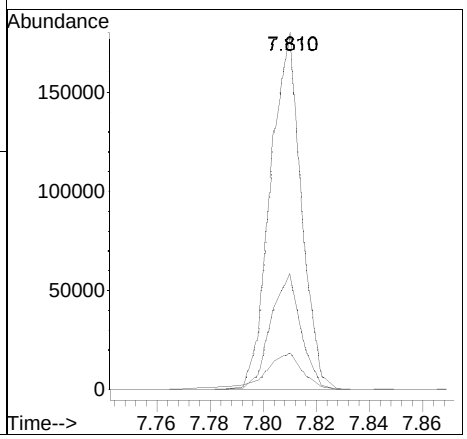


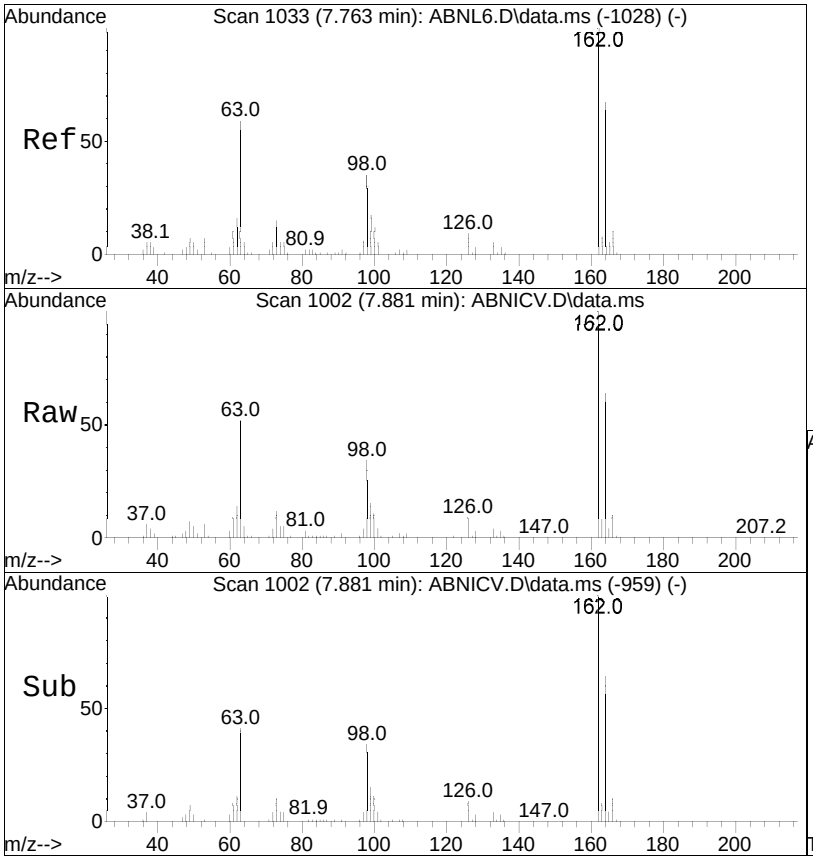


#24
Bis(2-chloroethoxy)methane
Concen: 5.18 ug/ml
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 93 Resp: 143604

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	12.7	10.1	15.1

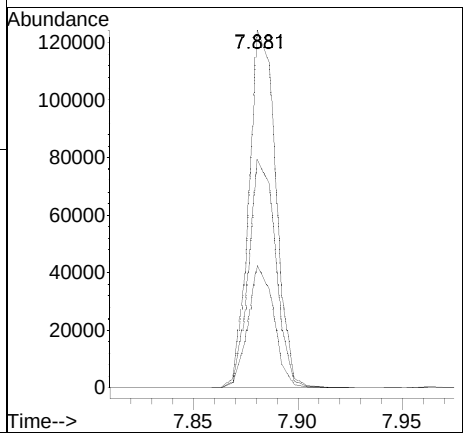


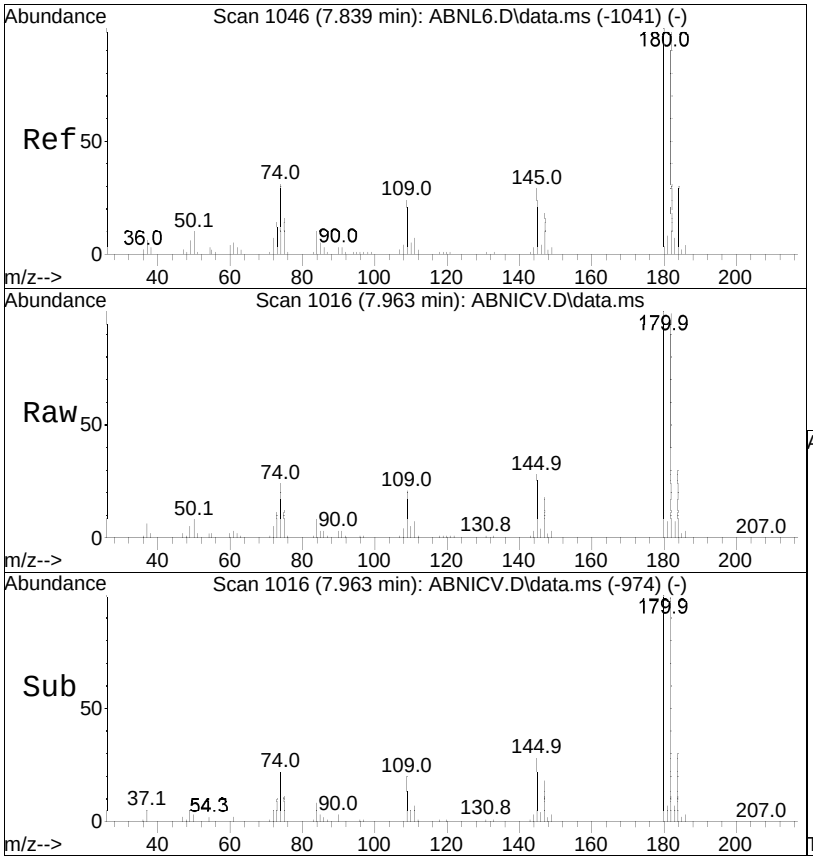


#25
2,4-Dichlorophenol
Concen: 5.15 ug/ml
RT: 7.881 min Scan# 1002
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:162 Resp: 110484

Ion	Ratio	Lower	Upper
162	100		
164	64.0	51.0	76.4
98	33.1	32.2	48.2

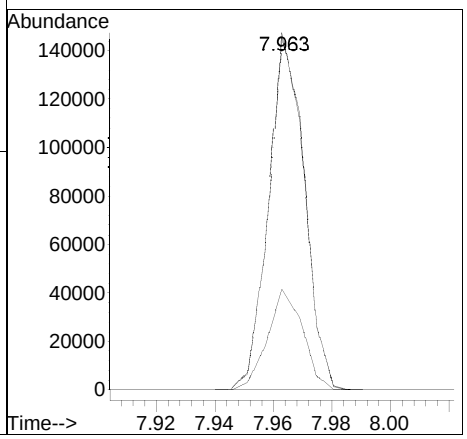


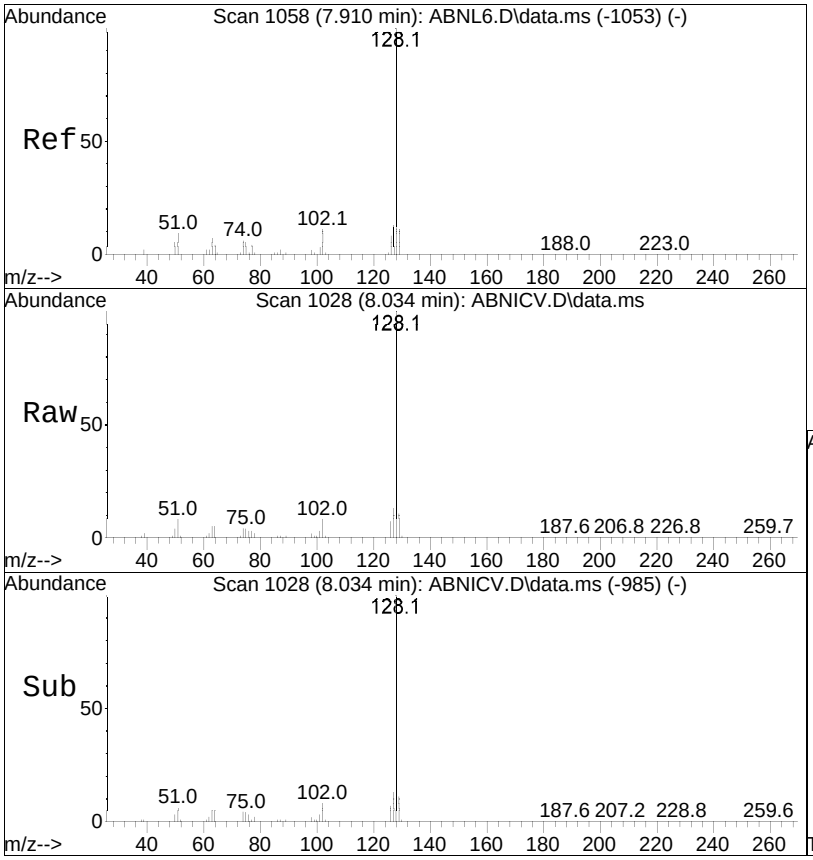


#26
1,2,4-Trichlorobenzene
Concen: 4.97 ug/ml
RT: 7.963 min Scan# 1016
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:180 Resp: 123600

Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.0	114.0
145	28.1	25.7	38.5

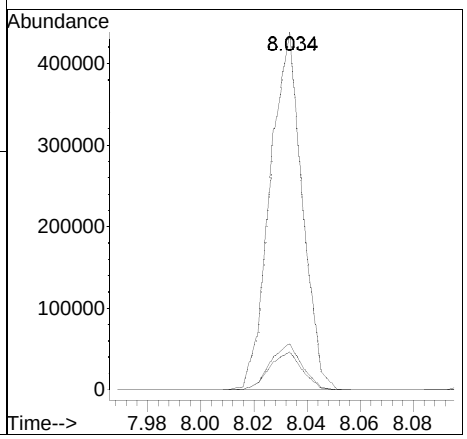


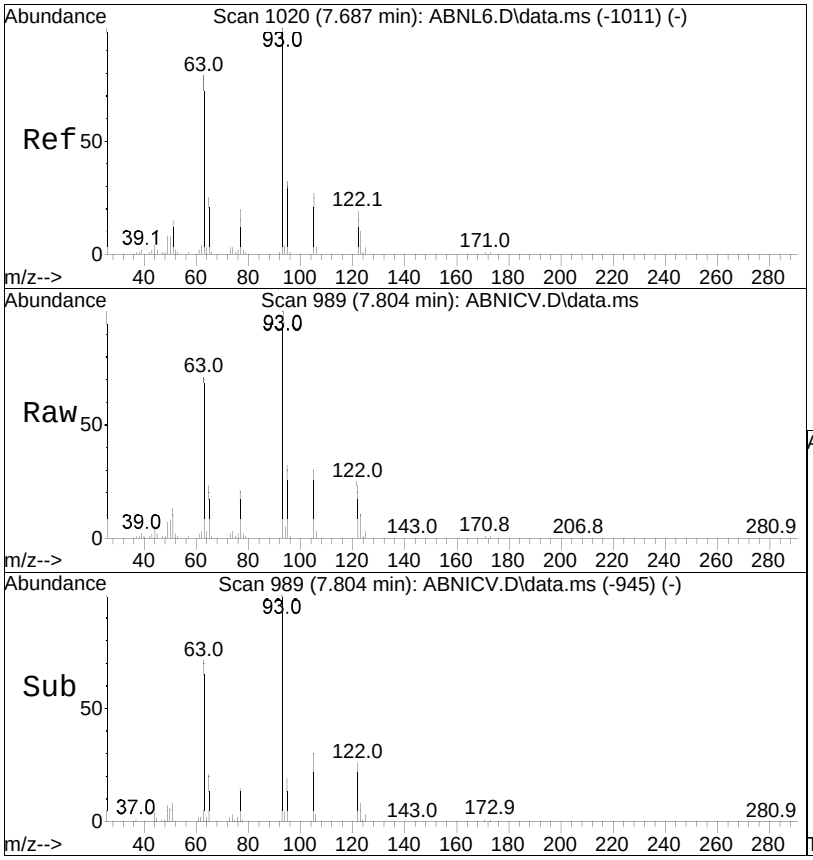


#36
Naphthalene
Concen: 5.00 ug/ml
RT: 8.034 min Scan# 1028
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:128 Resp: 363286

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.3	15.5

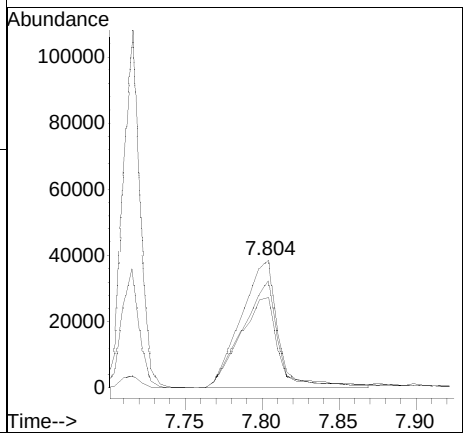


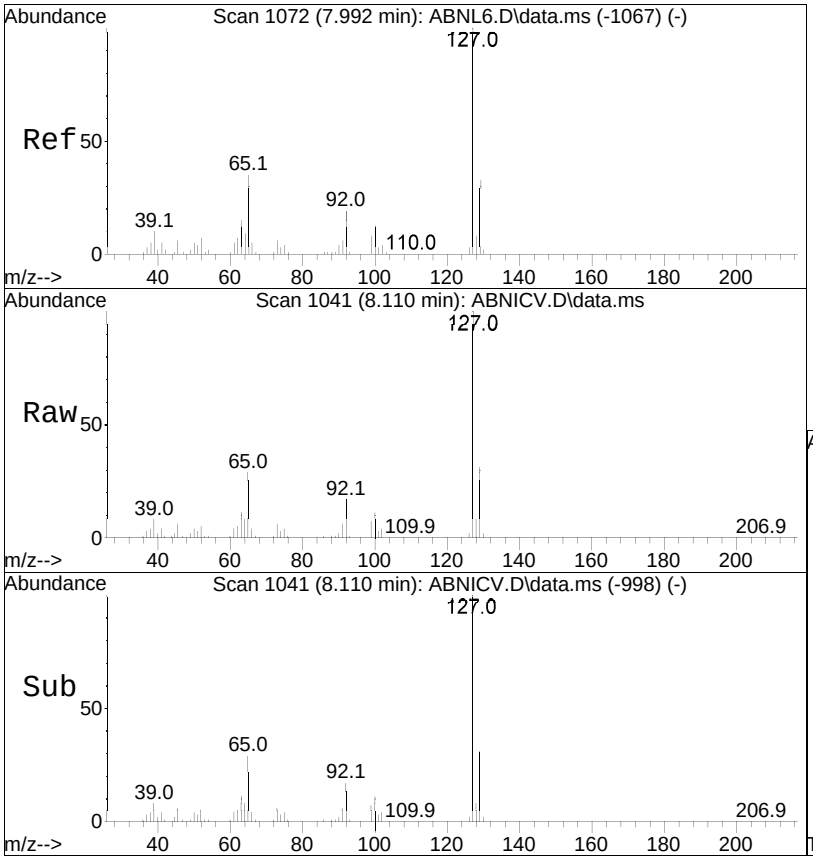


#37
Benzoic Acid
Concen: 4.75 ug/ml
RT: 7.804 min Scan# 989
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:105 Resp: 65401

Ion	Ratio	Lower	Upper
105	100		
122	82.6	59.9	89.9
77	72.9	60.1	90.1

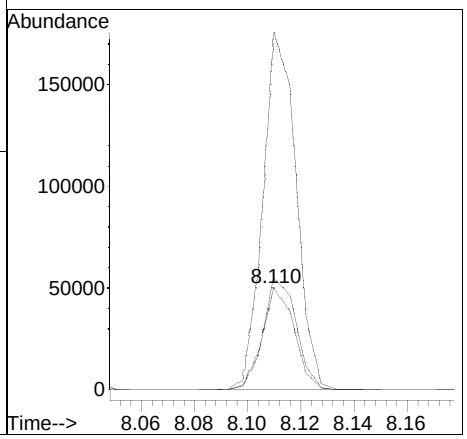


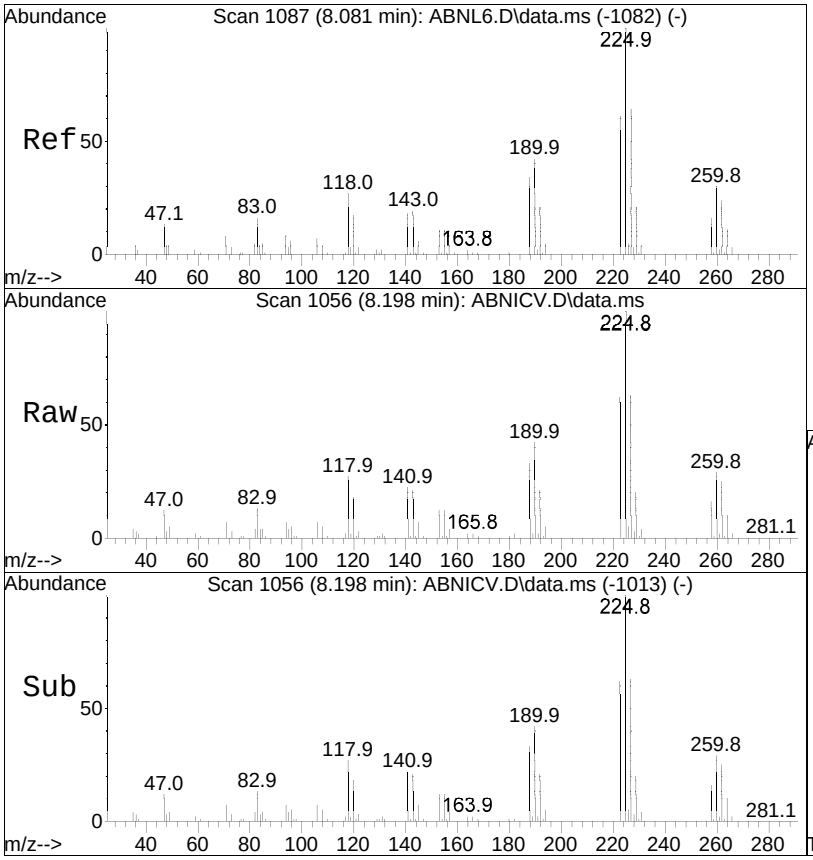


#38
4-Chloroaniline
Concen: 5.18 ug/ml
RT: 8.110 min Scan# 1041
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 65 Resp: 42184

Ion	Ratio	Lower	Upper
65	100		
127	357.3	237.6	356.4#
129	112.2	76.3	114.5

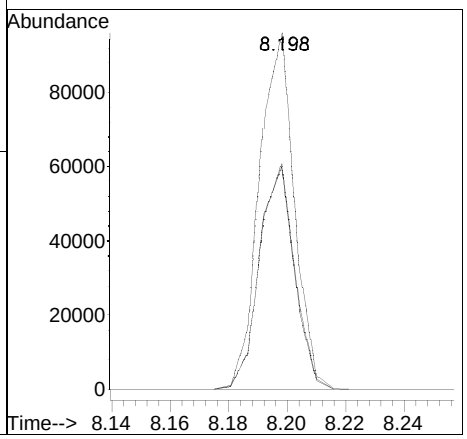


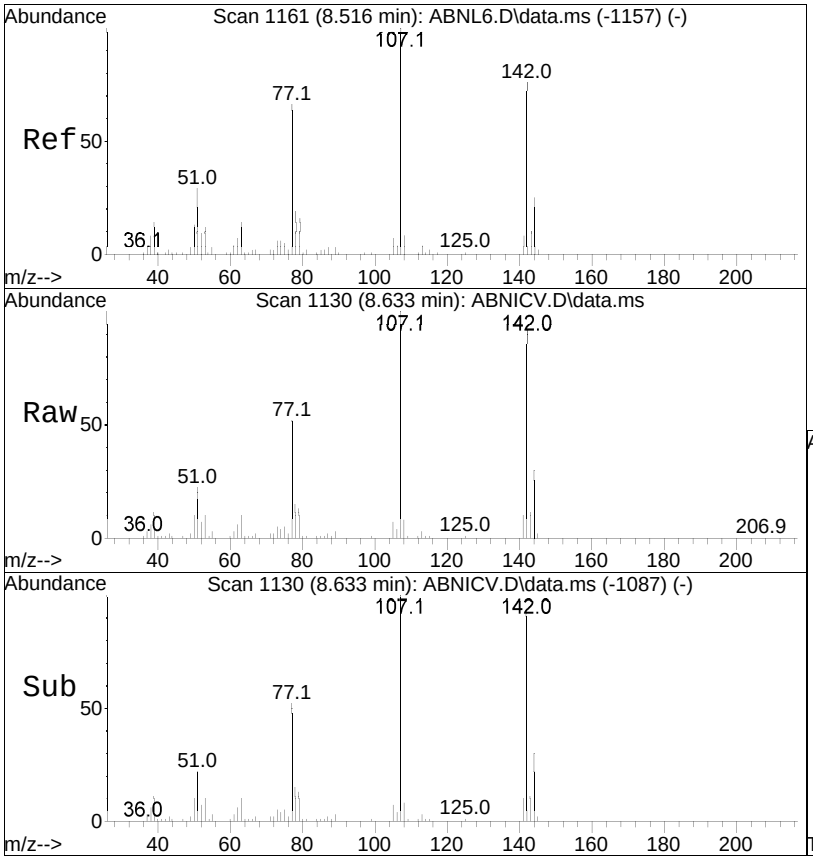


#39
Hexachlorobutadiene
Concen: 5.15 ug/ml
RT: 8.198 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:225 Resp: 79167

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.9	52.2	78.2

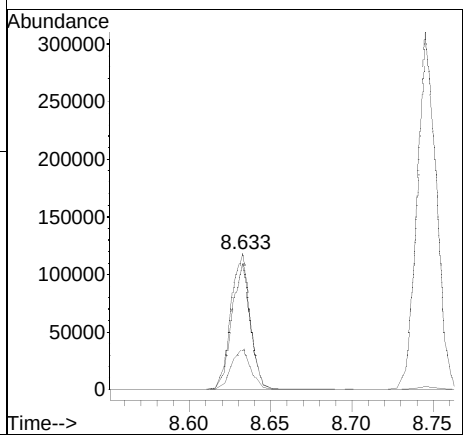


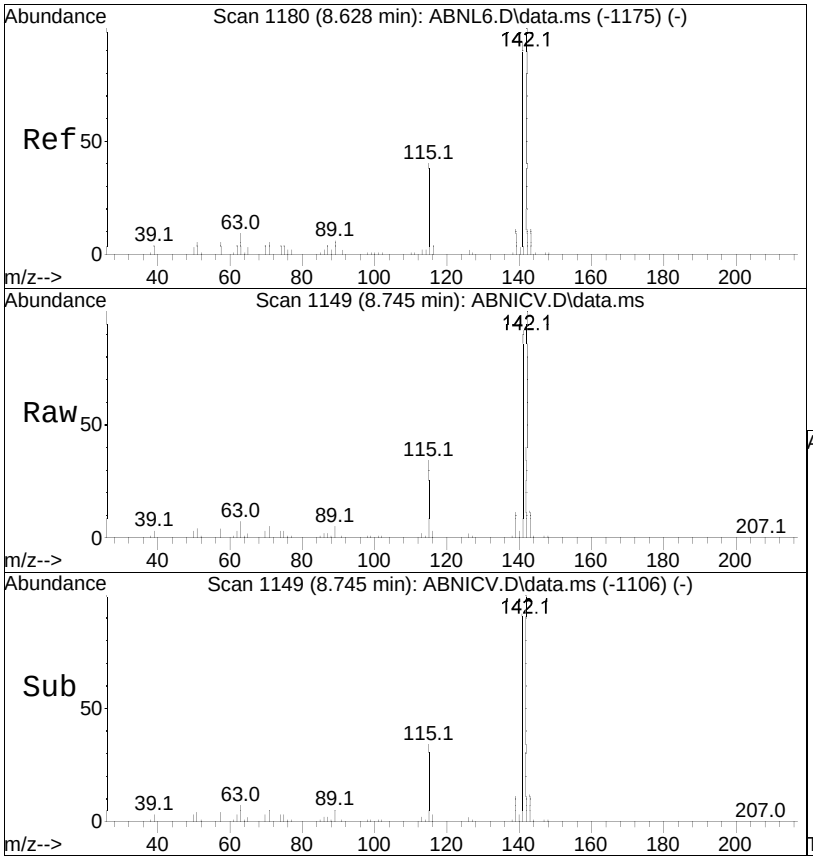


#40
p-Chloro-m-cresol
Concen: 5.12 ug/ml
RT: 8.633 min Scan# 1130
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:107 Resp: 97611

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	88.8	66.1	99.1

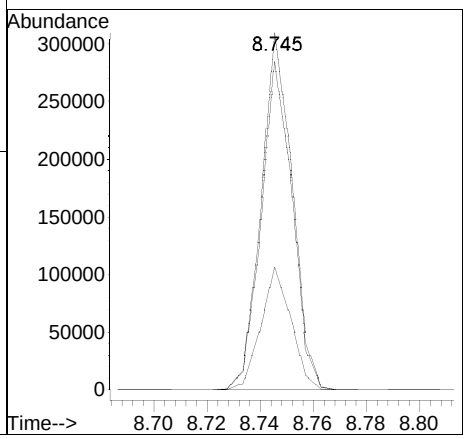


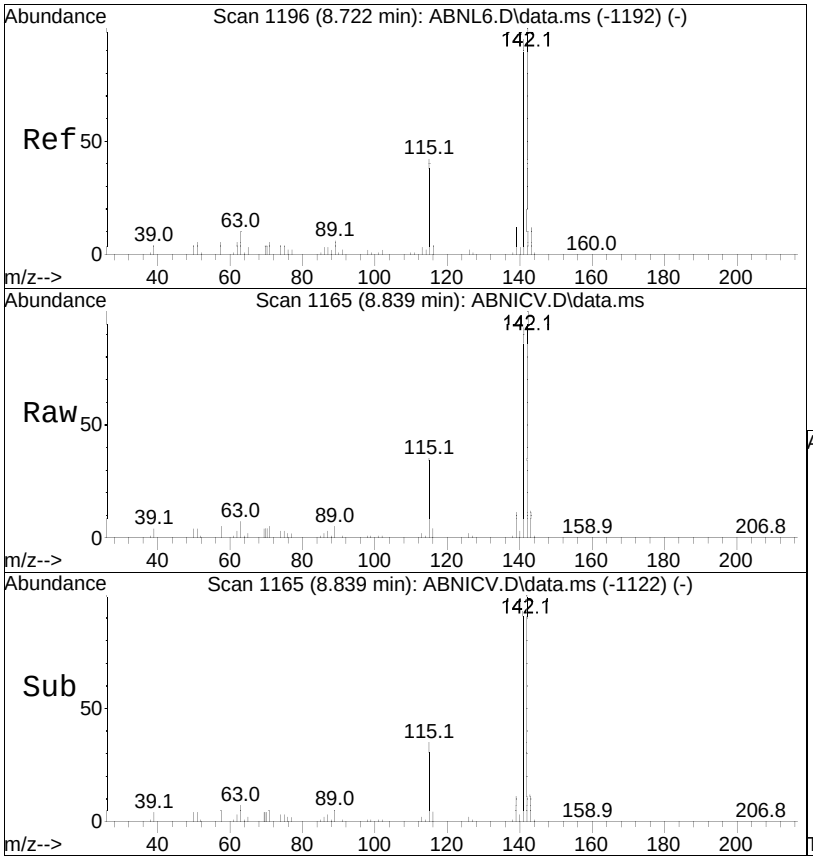


#41
2-Methylnaphthalene
Concen: 5.19 ug/ml
RT: 8.745 min Scan# 1149
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:142 Resp: 251305

Ion	Ratio	Lower	Upper
142	100		
141	91.8	69.6	104.4
115	33.3	26.6	40.0

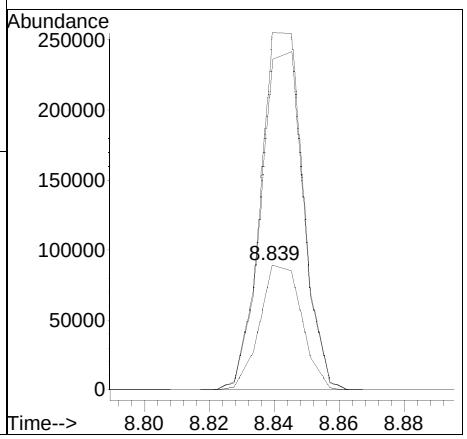


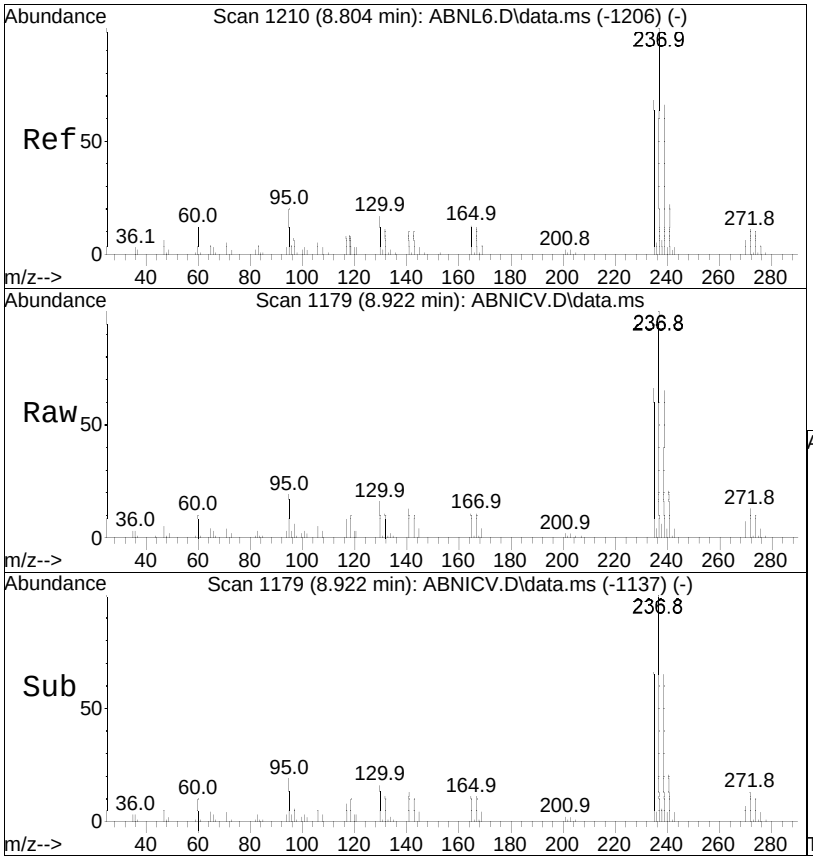


#42
1-Methylnaphthalene
Concen: 5.14 ug/ml
RT: 8.839 min Scan# 1165
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:115 Resp: 80597

Ion	Ratio	Lower	Upper
115	100		
141	272.5	207.8	311.6
142	289.7	226.8	340.2

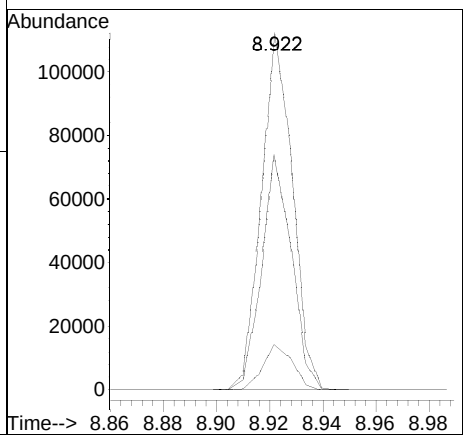


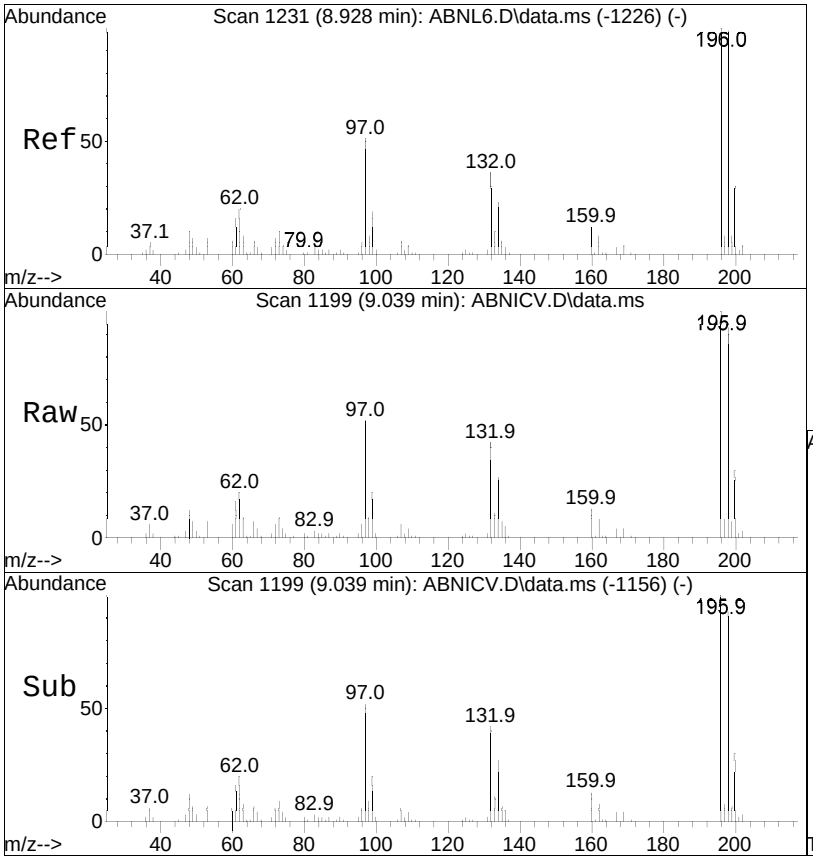


#43
Hexachlorocyclopentadiene
Concen: 5.39 ug/ml
RT: 8.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:237 Resp: 90794

Ion	Ratio	Lower	Upper
237	100		
235	63.6	49.7	74.5
272	12.3	9.8	14.6

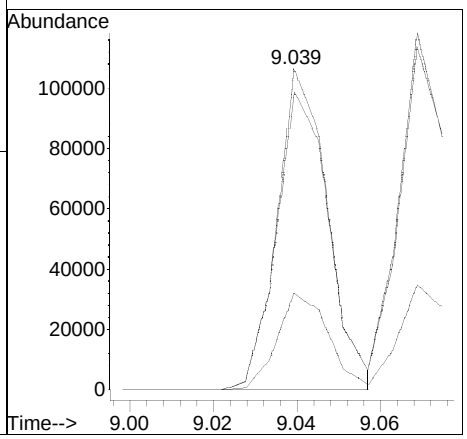


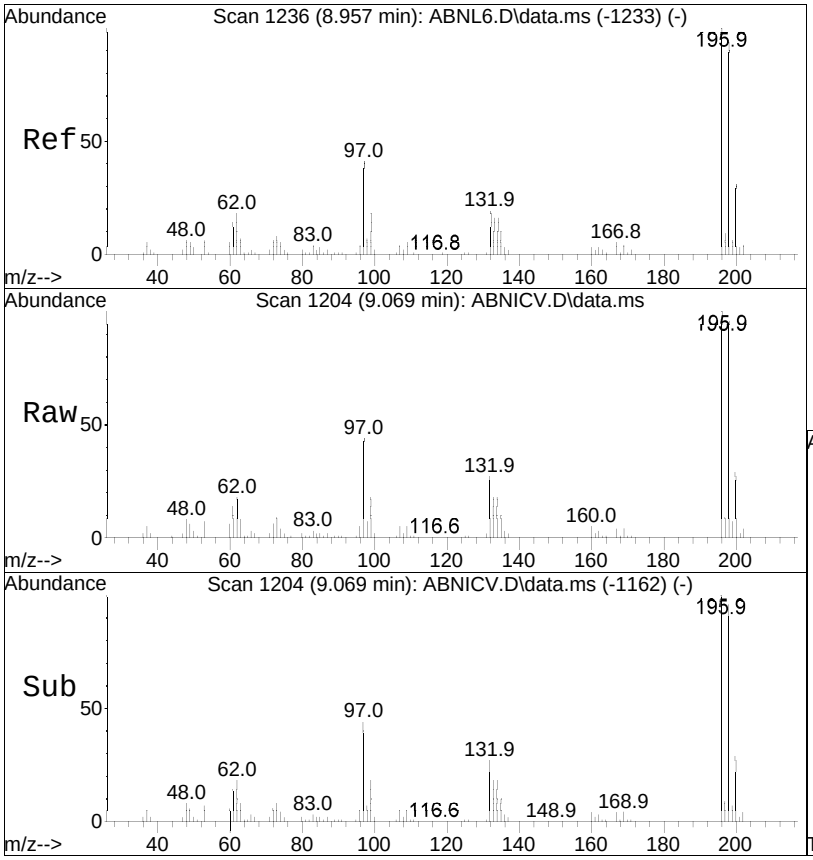


#44
2,4,6-Trichlorophenol
Concen: 5.05 ug/ml
RT: 9.039 min Scan# 1199
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:196 Resp: 89438

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.5	116.3
200	30.8	23.8	35.6

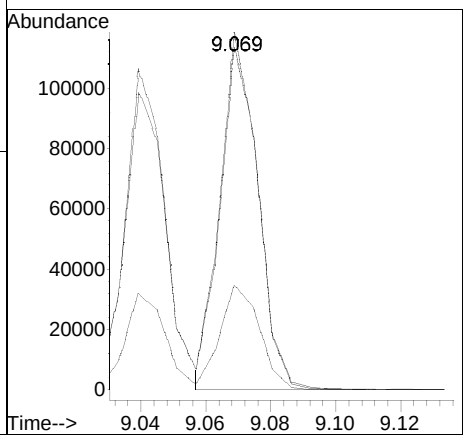


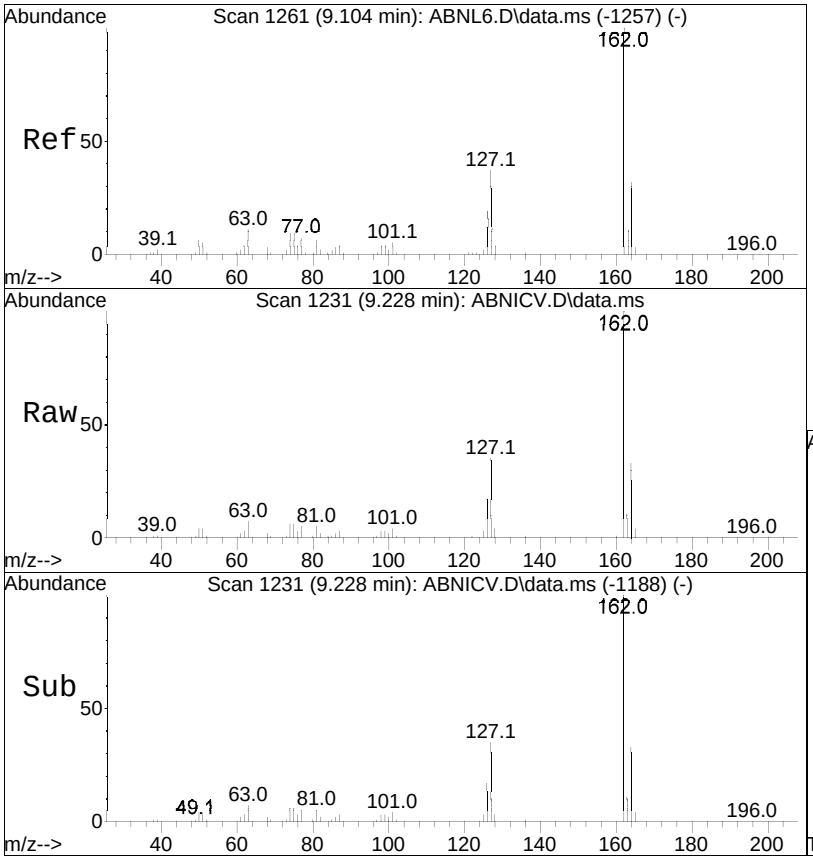


#45
2,4,5-Trichlorophenol
Concen: 5.15 ug/ml
RT: 9.069 min Scan# 1204
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:196 Resp: 94454

Ion	Ratio	Lower	Upper
196	100		
200	31.3	25.4	38.0
198	99.0	78.0	117.0

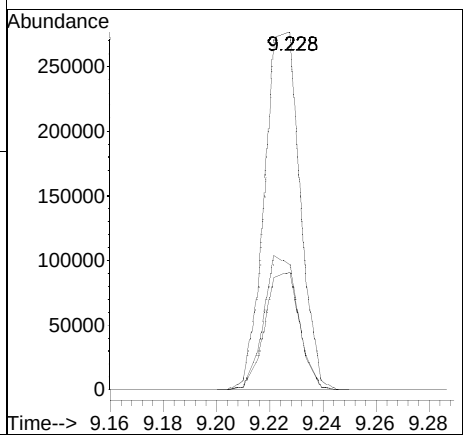


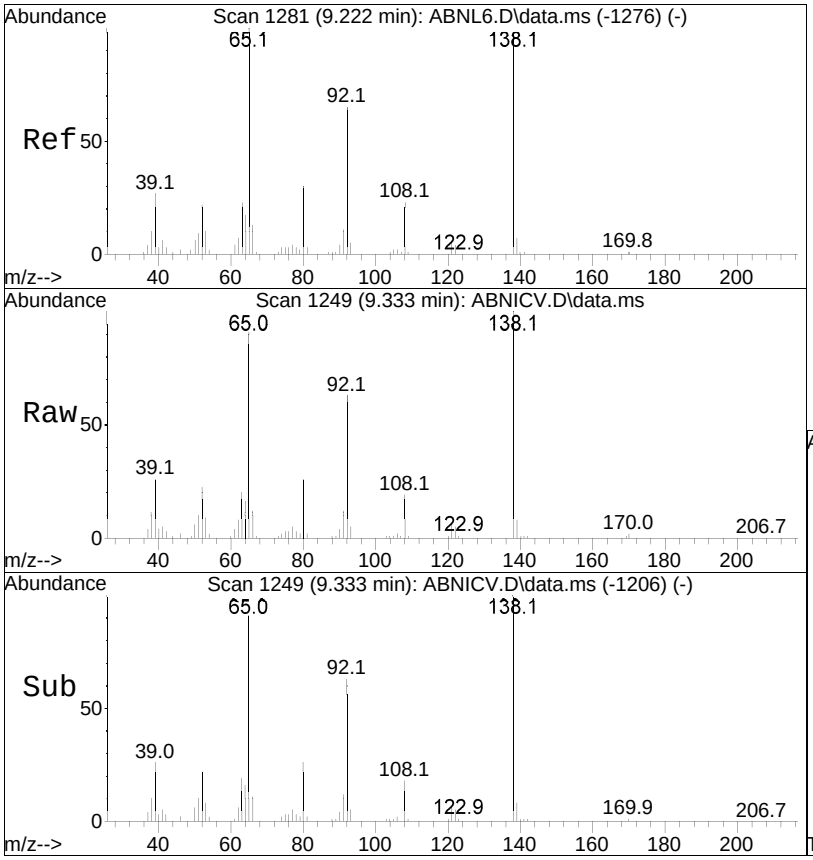


#47
2-Chloronaphthalene
Concen: 5.05 ug/ml
RT: 9.228 min Scan# 1231
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:162 Resp: 254917

Ion	Ratio	Lower	Upper
162	100		
127	36.2	32.2	48.4
164	32.3	25.7	38.5

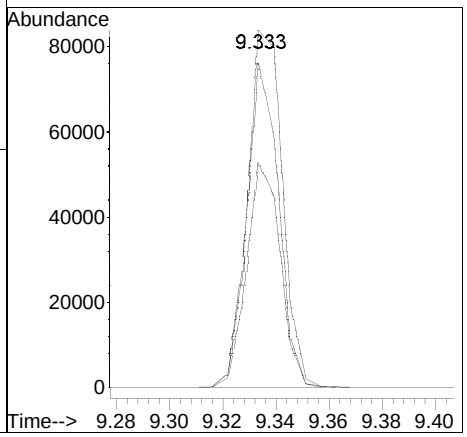


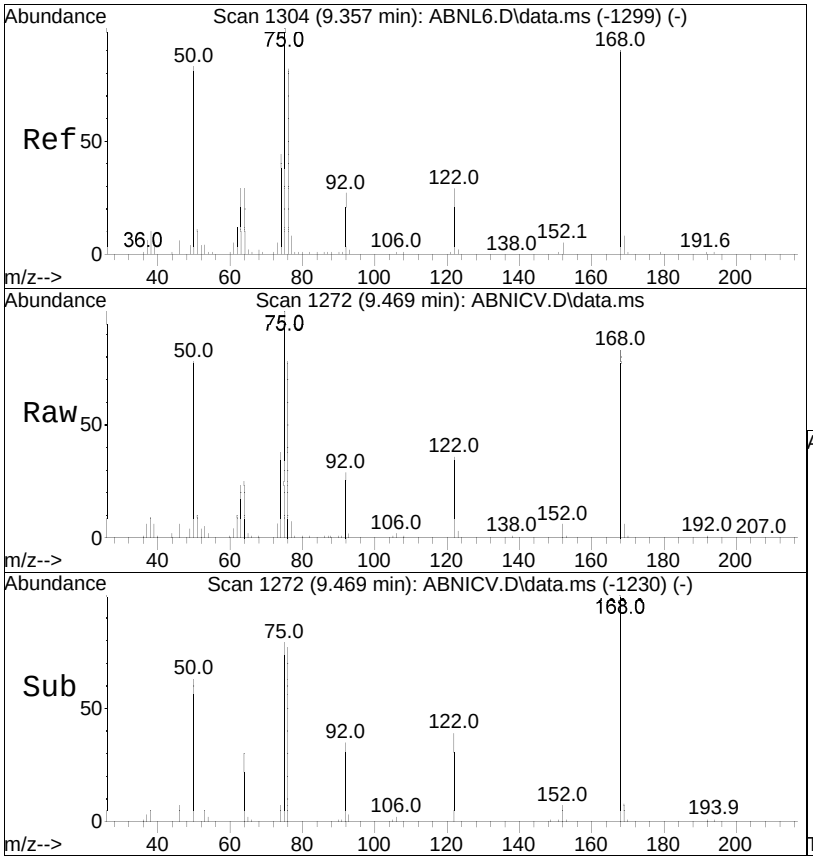


#48
2-Nitroaniline
Concen: 5.27 ug/ml
RT: 9.333 min Scan# 1249
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 75716

Ion	Ratio	Lower	Upper
138	100		
92	60.7	53.5	80.3
65	83.3	86.3	129.5#

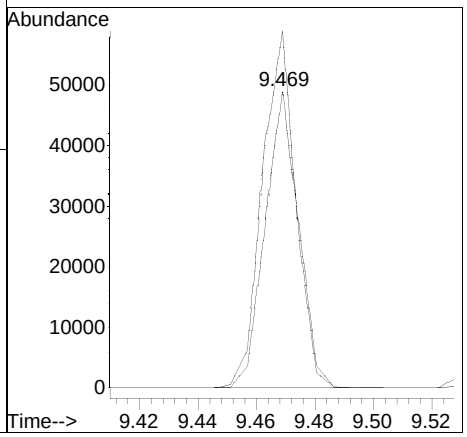


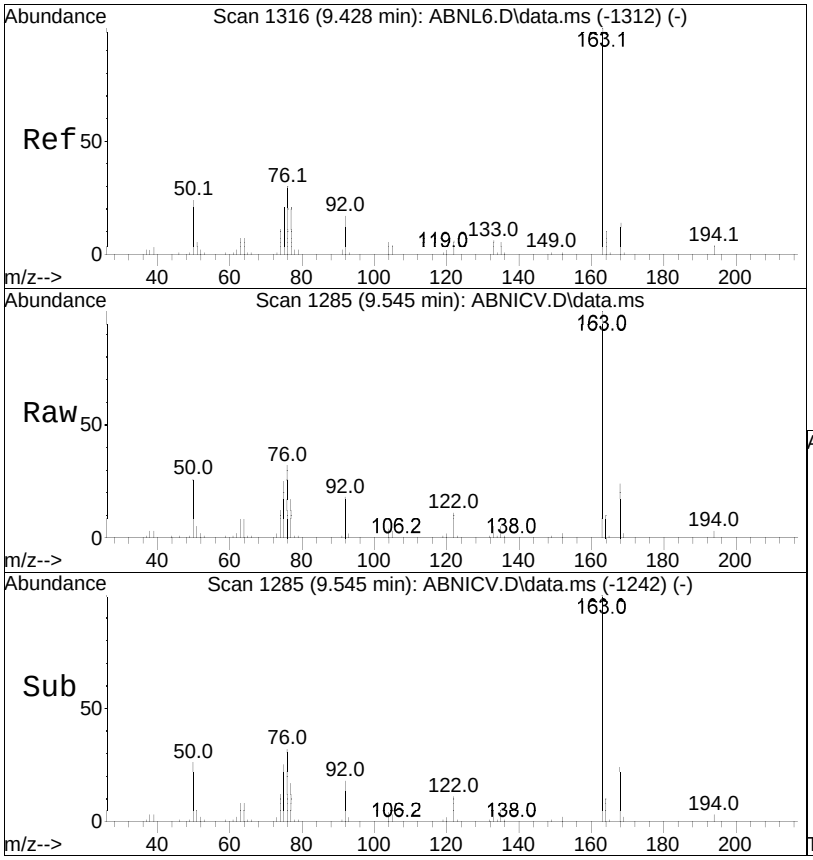


#49
1,4-Dinitrobenzene
Concen: 5.26 ug/ml
RT: 9.469 min Scan# 1272
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 38619

Ion	Ratio	Lower	Upper
168	100		
75	120.8	121.8	182.8#

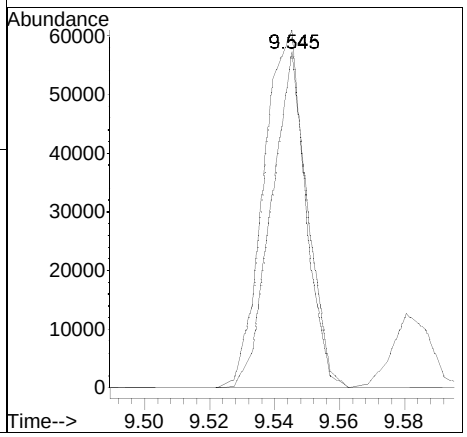


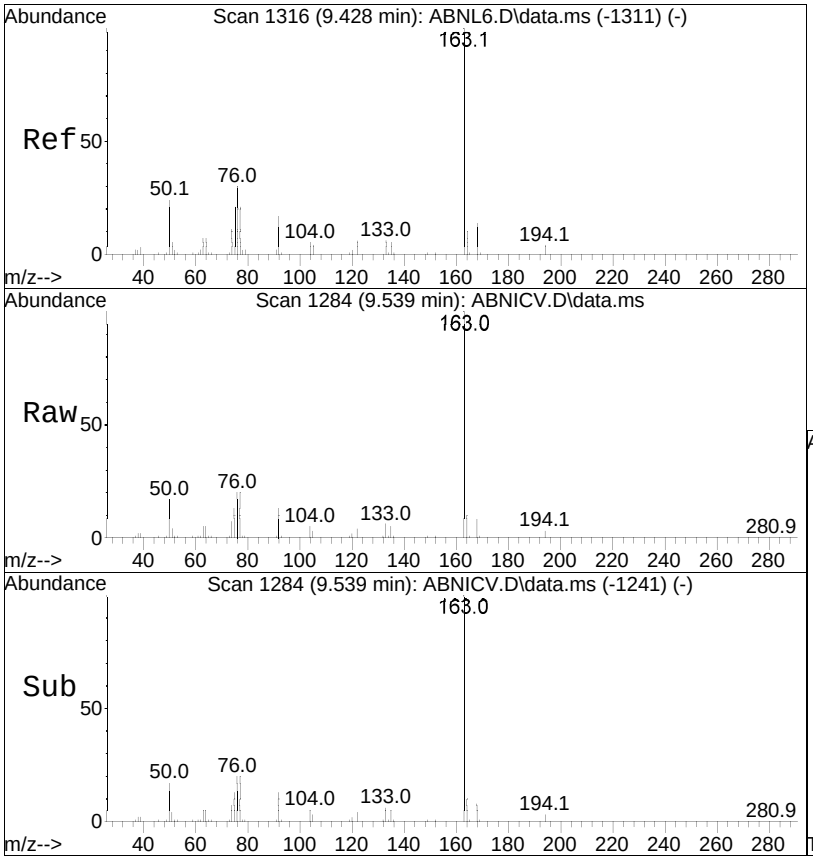


#50
1,3-Dinitrobenzene
Concen: 5.50 ug/ml
RT: 9.545 min Scan# 1285
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 44206

Ion	Ratio	Lower	Upper
168	100		
75	121.7	22.7	34.1#

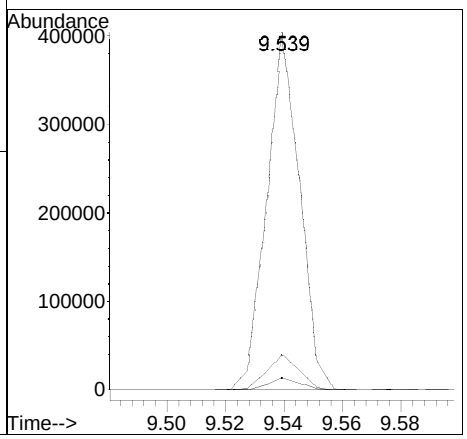


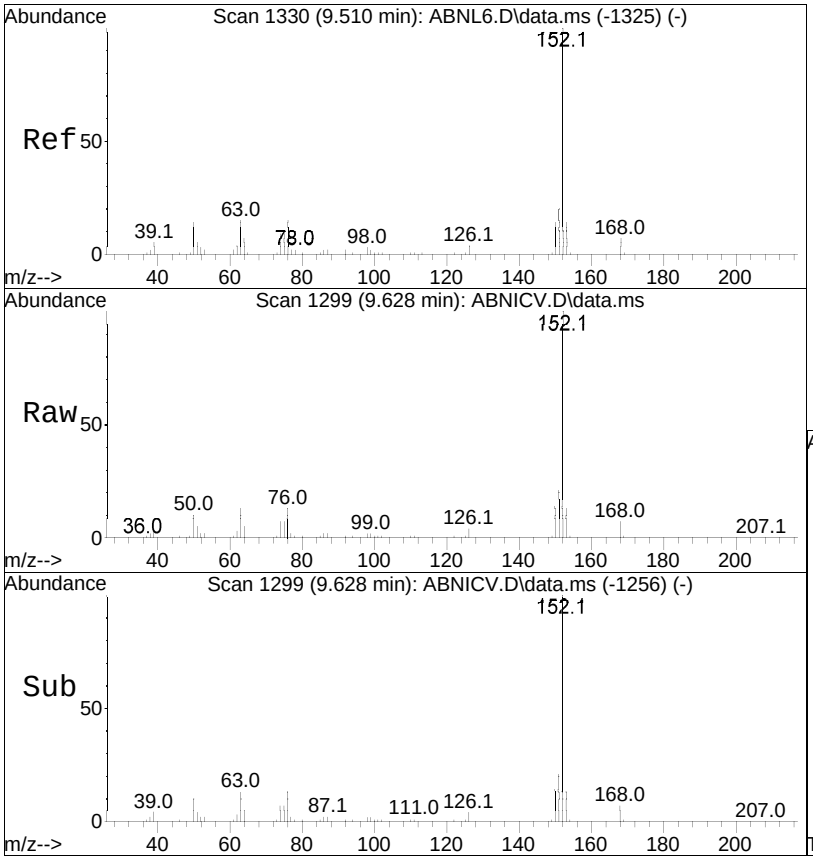


#51
Dimethyl phthalate
Concen: 5.29 ug/ml
RT: 9.539 min Scan# 1284
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:163 Resp: 311435

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	9.8	7.9	11.9

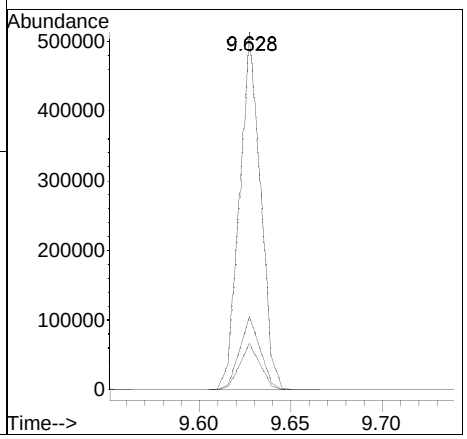


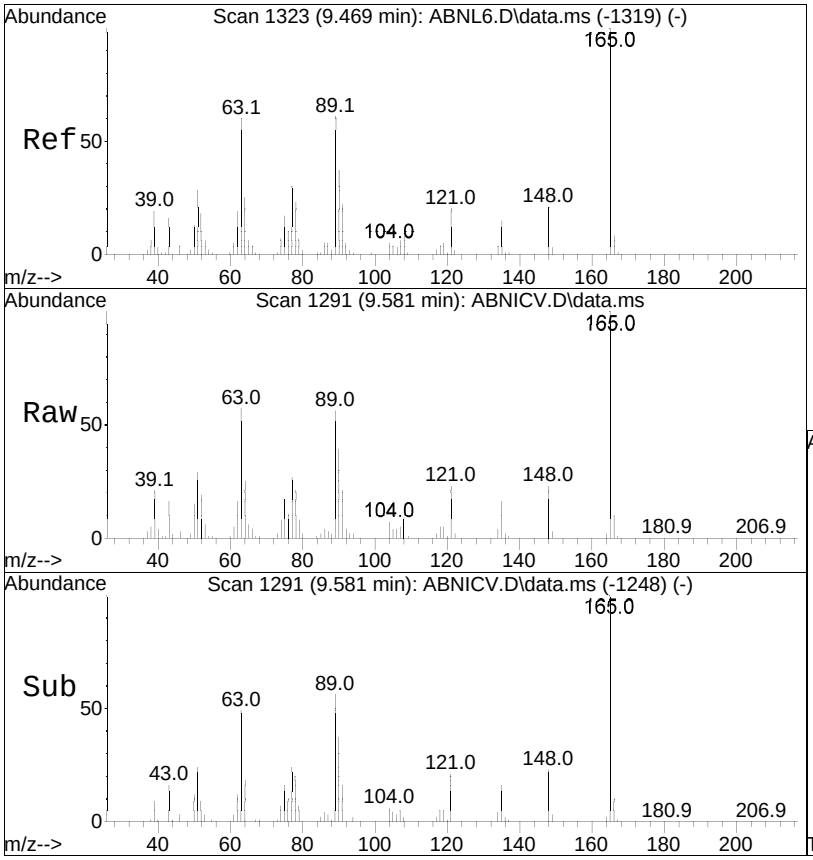


#52
Acenaphthylene
Concen: 5.36 ug/ml
RT: 9.628 min Scan# 1299
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:152 Resp: 403177

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.6
153	12.9	10.5	15.7

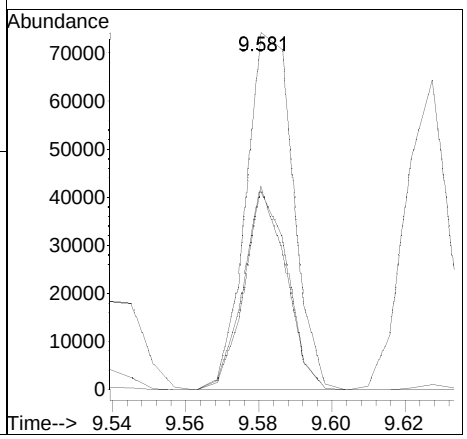


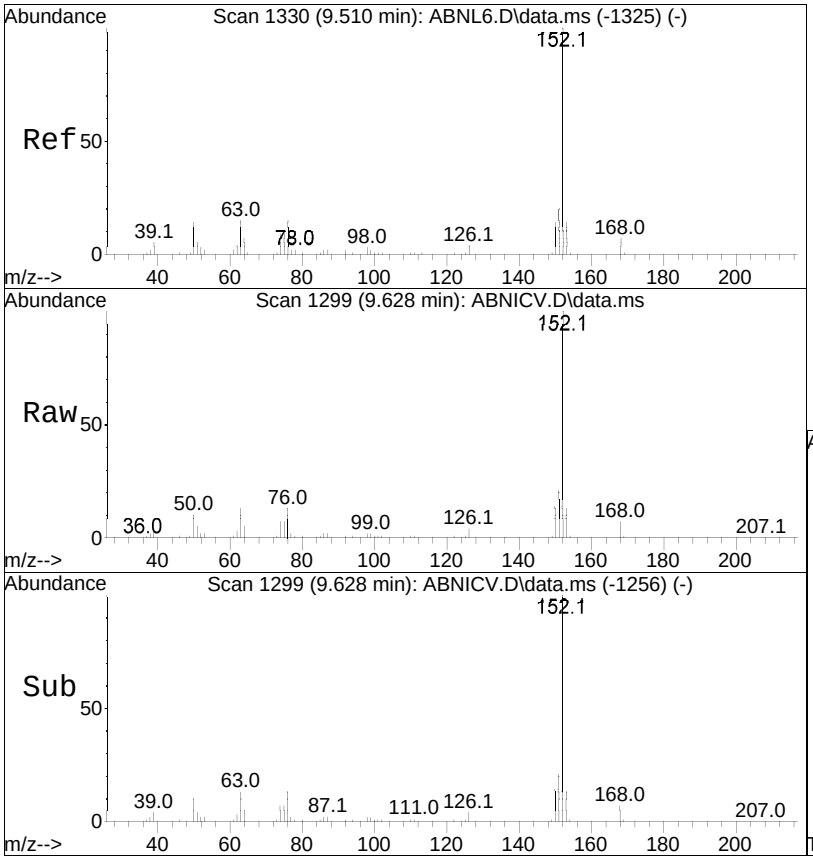


#53
2,6-Dinitrotoluene
Concen: 5.57 ug/ml
RT: 9.581 min Scan# 1291
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:165 Resp: 66602

Ion	Ratio	Lower	Upper
165	100		
89	51.0	54.2	81.2#
63	51.1	64.2	96.2#

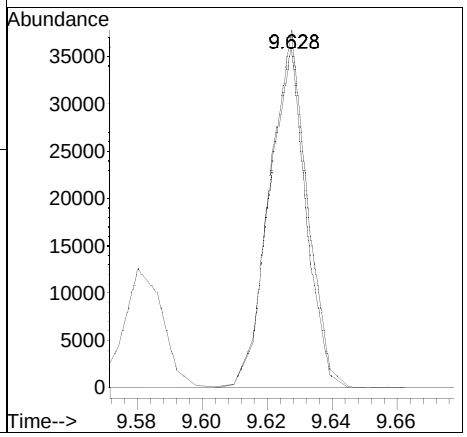


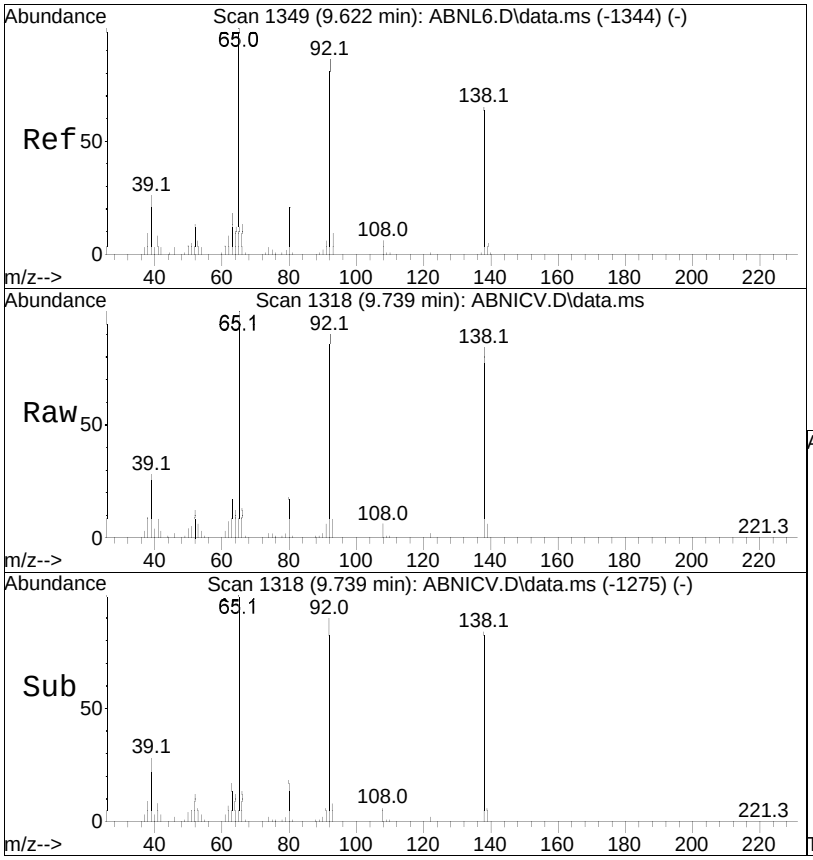


#54
1,2-Dinitrobenzene
Concen: 5.41 ug/ml
RT: 9.628 min Scan# 1299
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 28077

Ion	Ratio	Lower	Upper
168	100		
75	107.0	30.9	46.3#

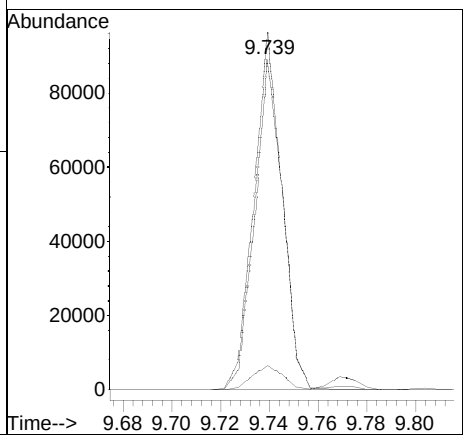


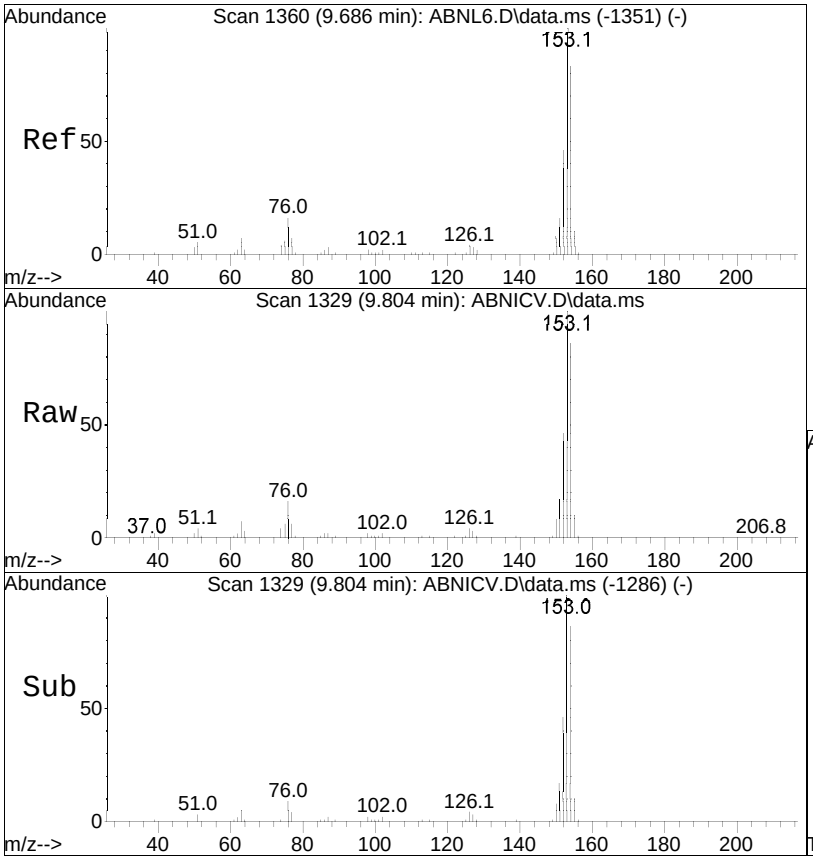


#64
3-Nitroaniline
Concen: 5.41 ug/ml
RT: 9.739 min Scan# 1318
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 70653

Ion	Ratio	Lower	Upper
138	100		
92	107.9	93.4	140.2
108	8.2	9.5	14.3#

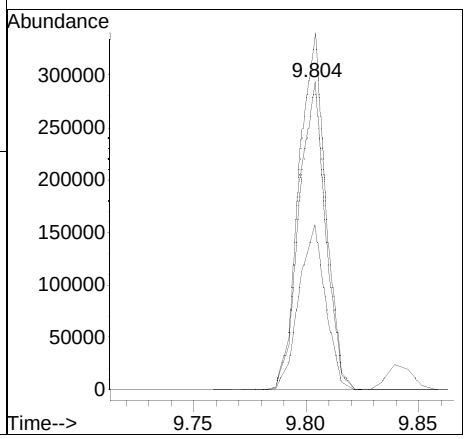


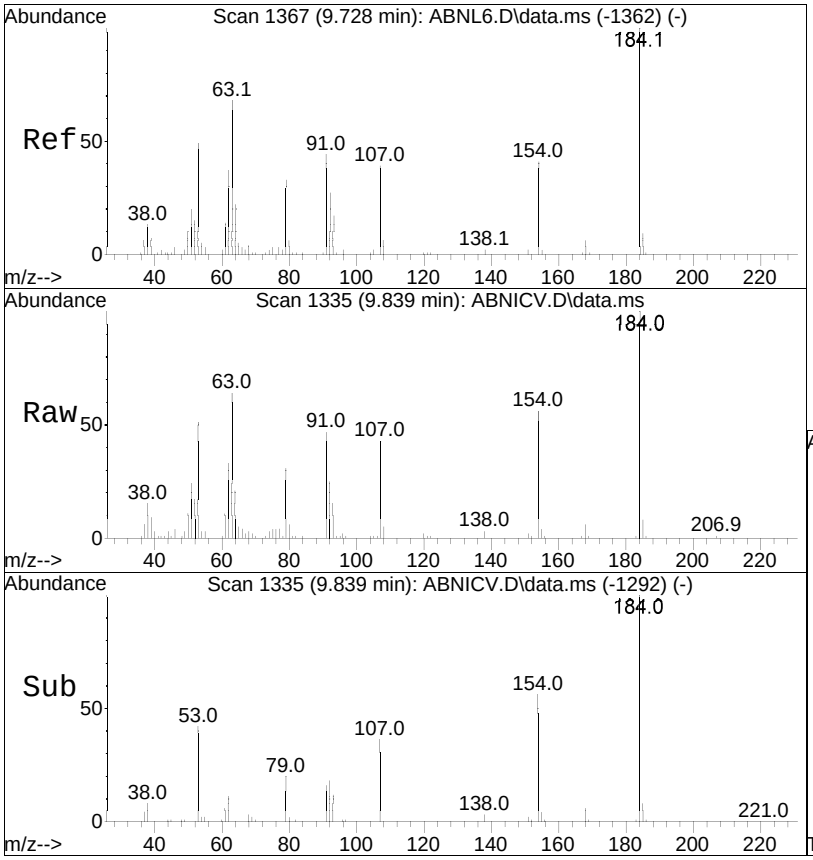


#65
Acenaphthene
Concen: 5.14 ug/ml
RT: 9.804 min Scan# 1329
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:154 Resp: 240578

Ion	Ratio	Lower	Upper
154	100		
153	116.2	85.3	127.9
152	54.2	41.4	62.0

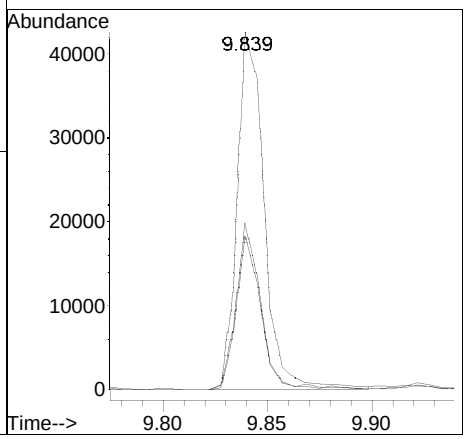


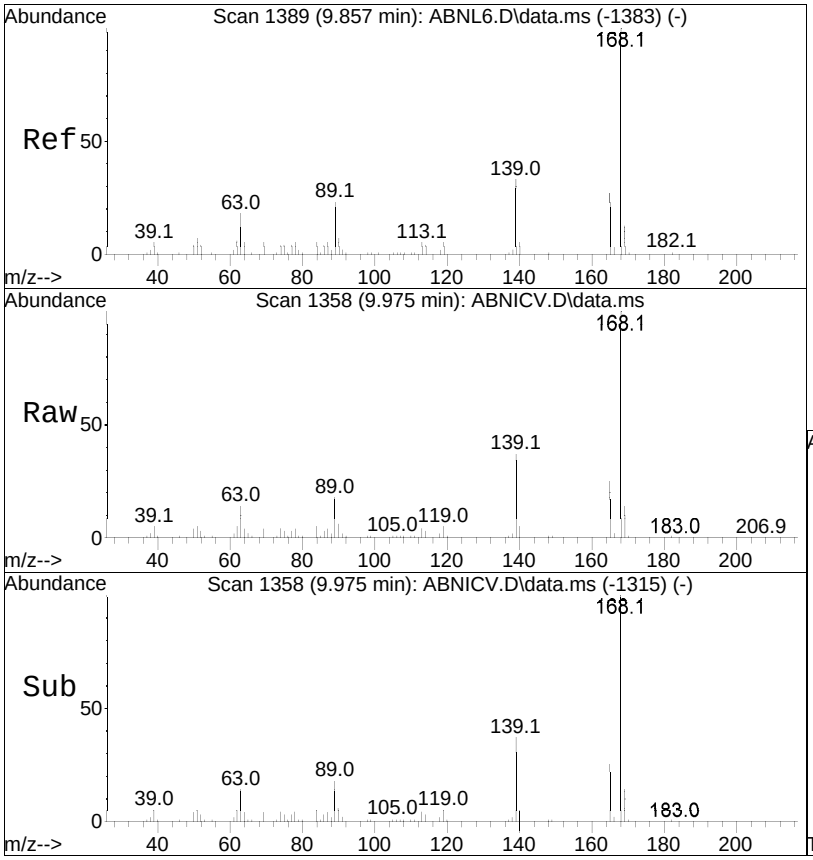


#66
2,4-Dinitrophenol
Concen: 4.89 ug/ml
RT: 9.839 min Scan# 1335
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:184 Resp: 38145

Ion	Ratio	Lower	Upper
184	100		
107	38.9	37.7	56.5
91	43.6	46.3	69.5#

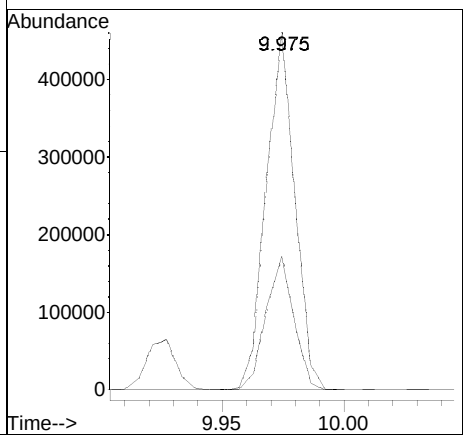


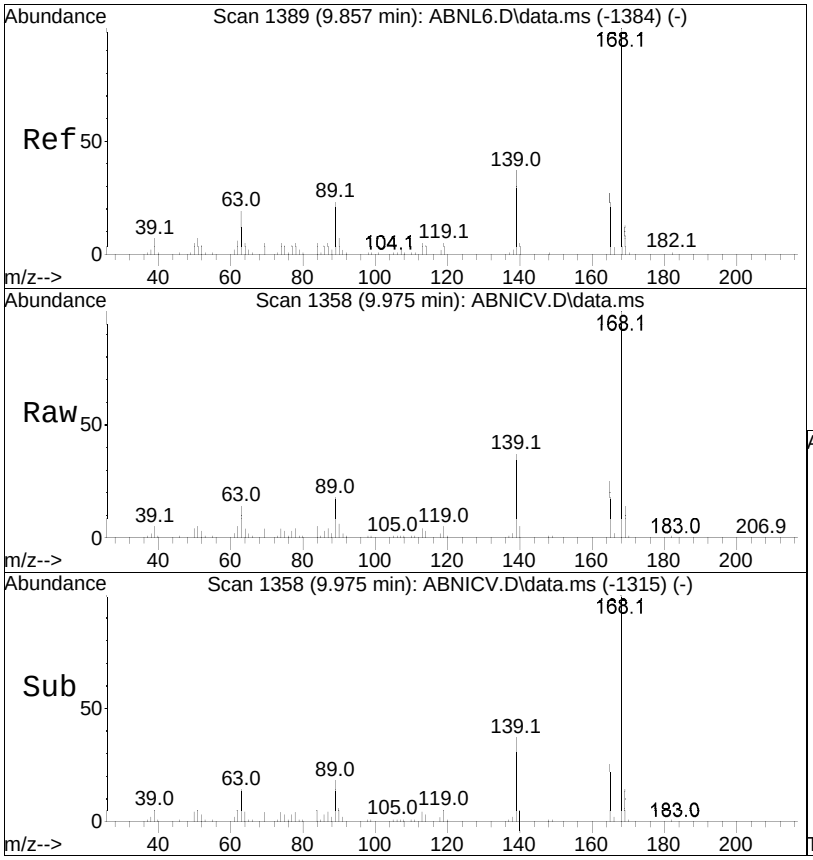


#67
Dibenzofuran
Concen: 4.92 ug/ml
RT: 9.975 min Scan# 1358
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:168 Resp: 372461

Ion	Ratio	Lower	Upper
168	100		
139	36.8	31.4	47.2

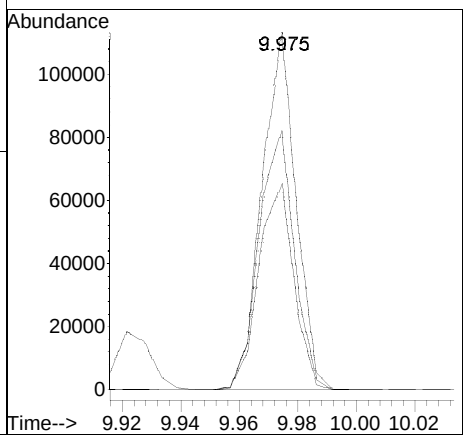


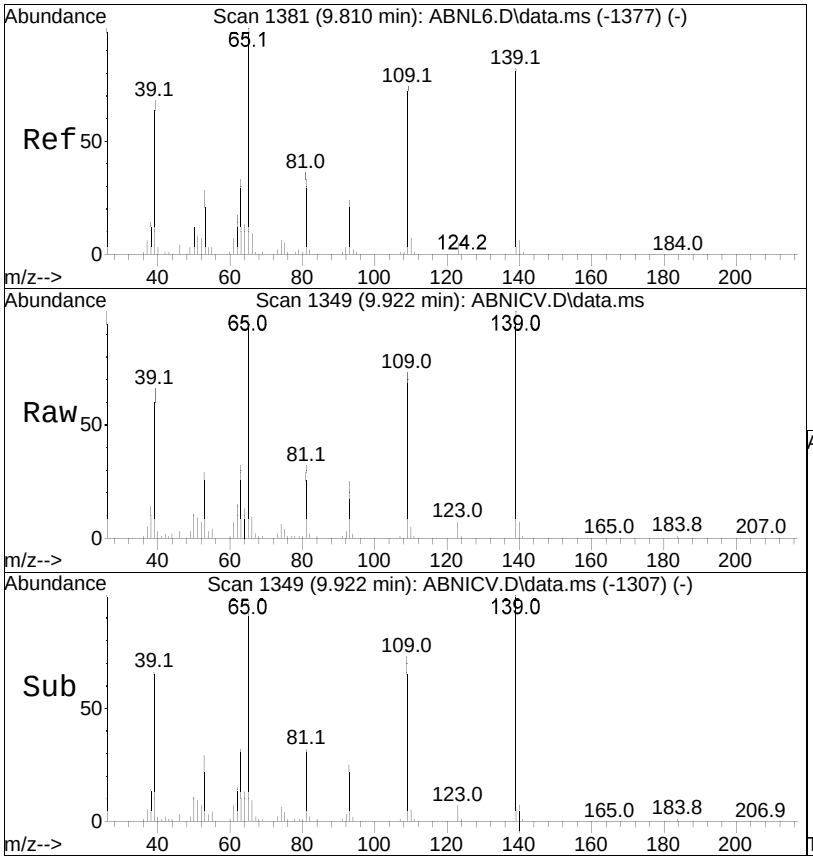


#68
2,4-Dinitrotoluene
Concen: 5.33 ug/ml
RT: 9.975 min Scan# 1358
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:165 Resp: 90317

Ion	Ratio	Lower	Upper
165	100		
89	75.8	72.0	108.0
63	60.3	52.7	79.1

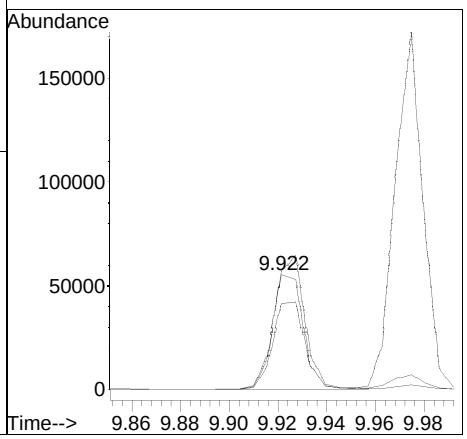


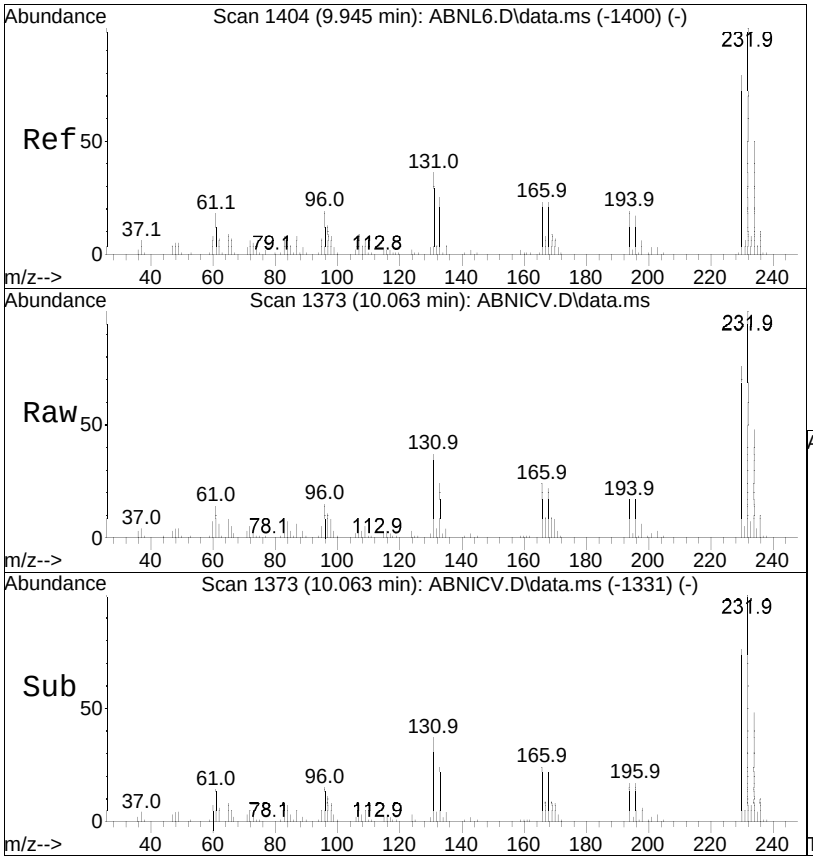


#69
4-Nitrophenol
Concen: 5.17 ug/ml
RT: 9.922 min Scan# 1349
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 65 Resp: 50008

Ion	Ratio	Lower	Upper
65	100		
109	77.7	47.4	71.2#
139	111.9	76.6	115.0

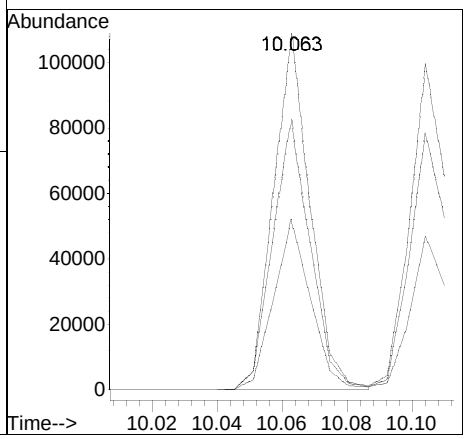


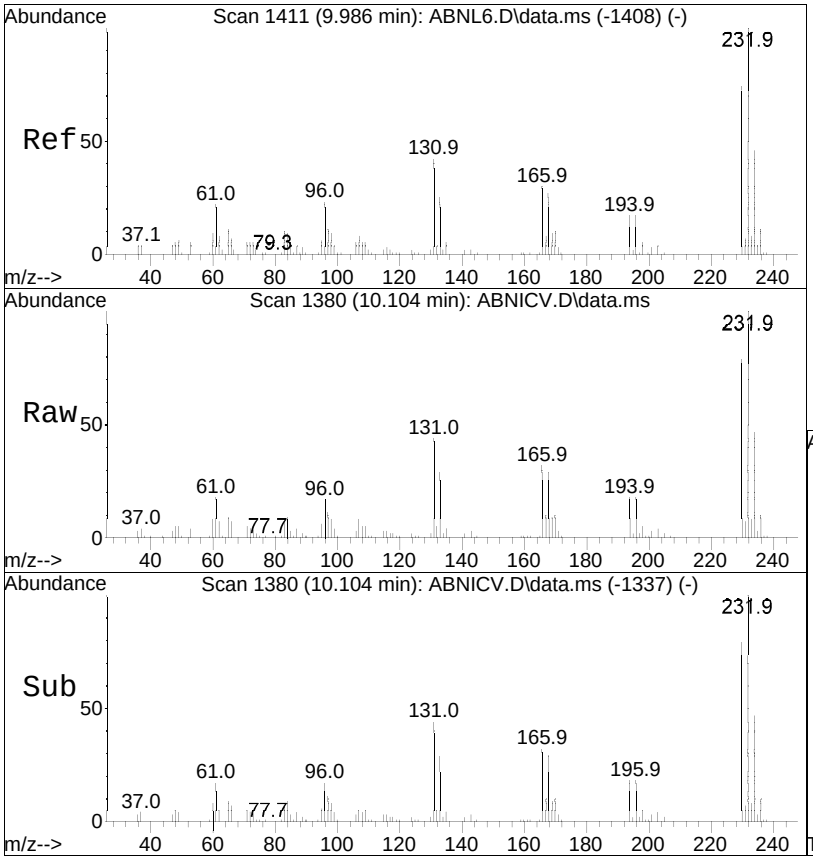


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.40 ug/ml
RT: 10.063 min Scan# 1373
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:232 Resp: 85379

Ion	Ratio	Lower	Upper
232	100		
230	78.0	64.2	96.4
234	48.4	38.1	57.1

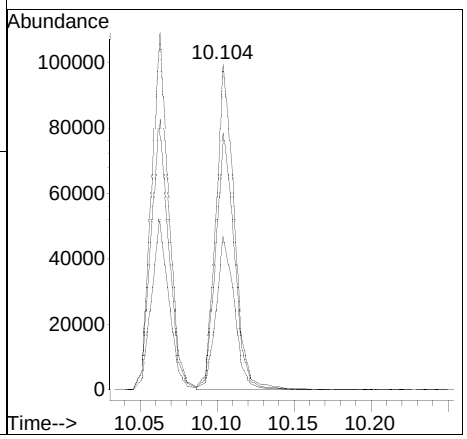


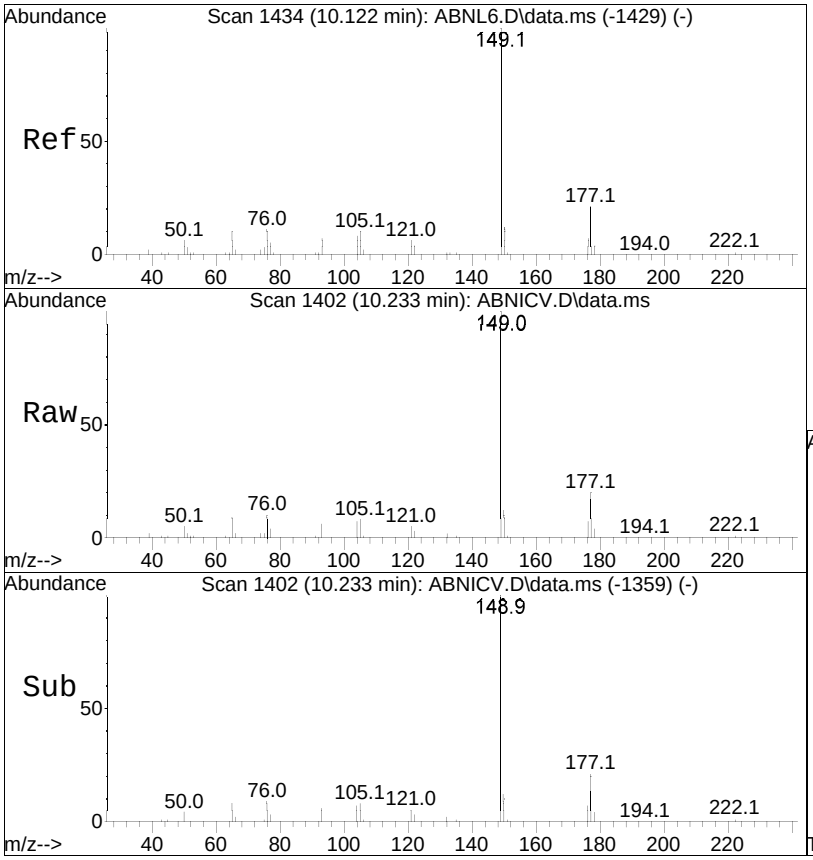


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.36 ug/ml
RT: 10.104 min Scan# 1380
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:232 Resp: 83604

Ion	Ratio	Lower	Upper
232	100		
230	80.2	61.8	92.8
234	47.1	36.2	54.2

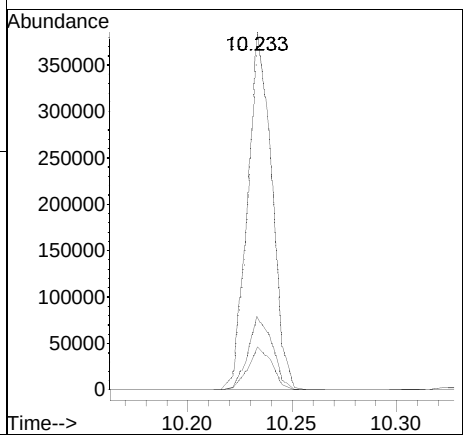


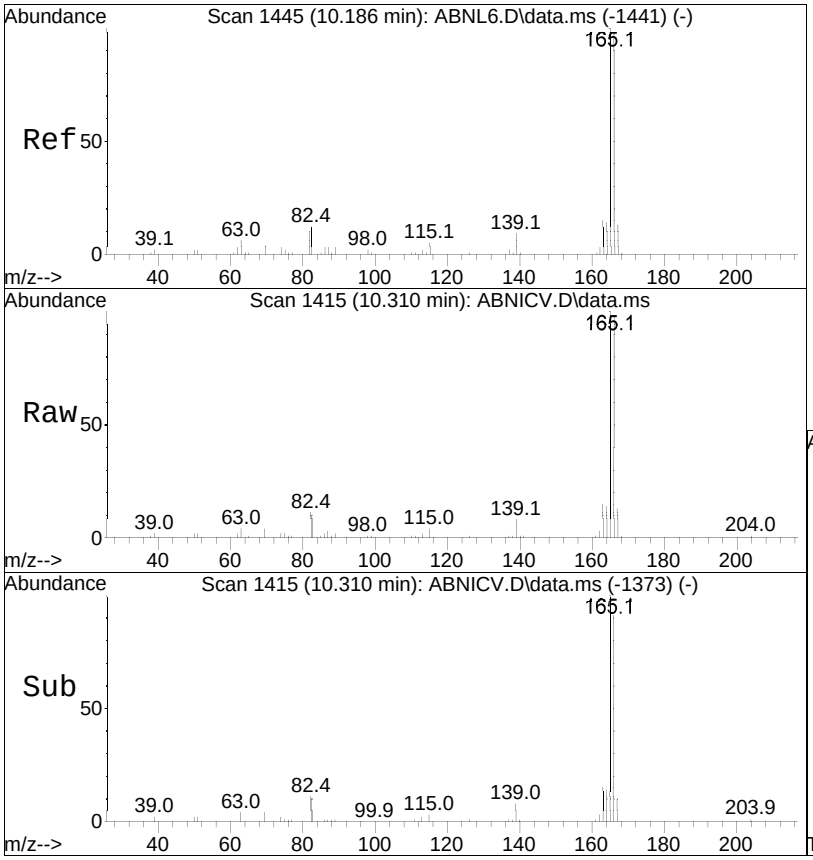


#72
Diethyl phthalate
Concen: 5.00 ug/ml
RT: 10.233 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 307265

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.1	9.4	14.2

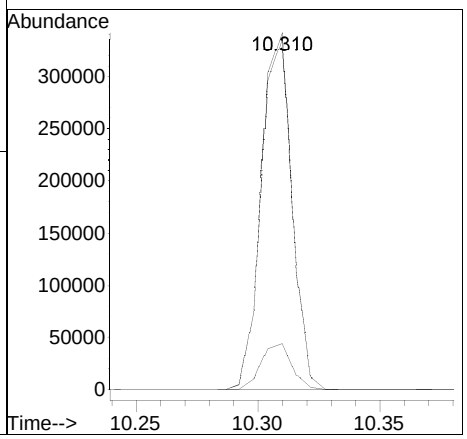


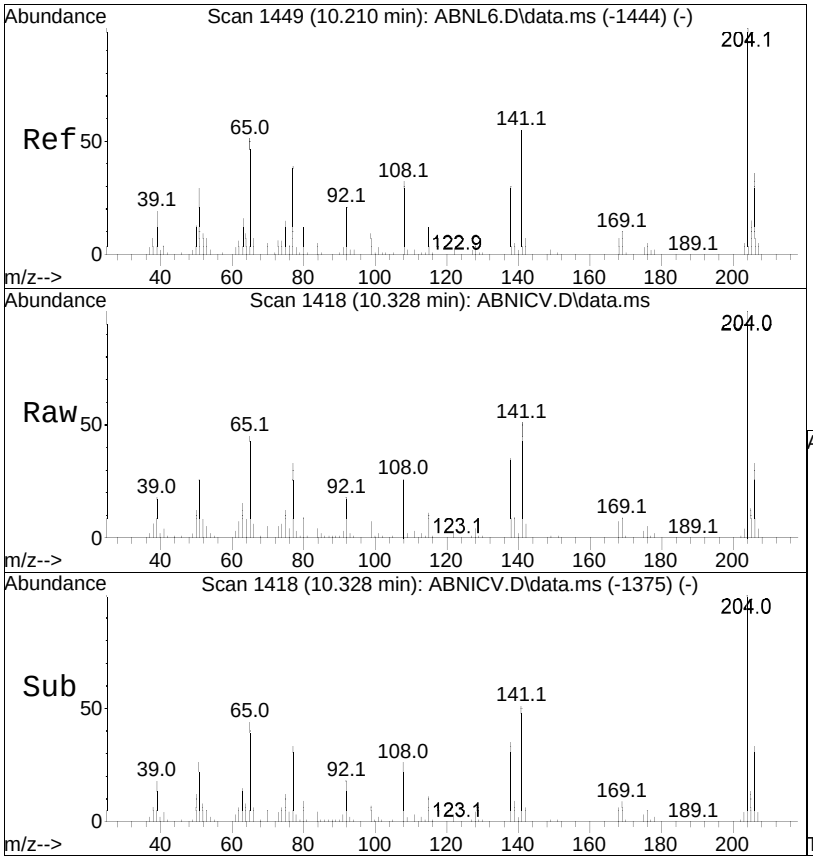


#73
Fluorene
Concen: 4.98 ug/ml
RT: 10.310 min Scan# 1415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:166 Resp: 294821

Ion	Ratio	Lower	Upper
166	100		
165	101.7	76.2	114.2
167	13.4	10.6	15.8

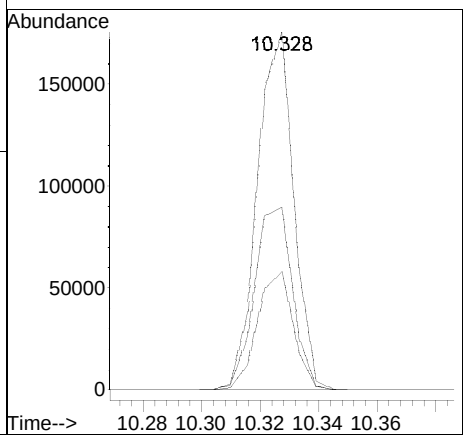


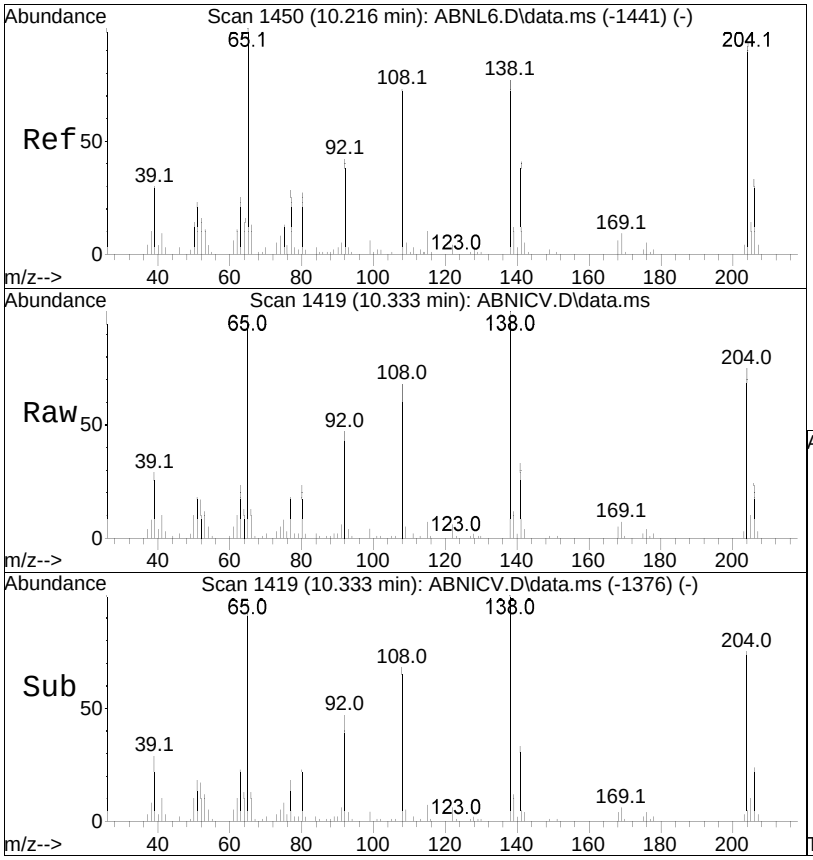


#74
4-Chlorophenyl phenyl ether
Concen: 4.94 ug/ml
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:204 Resp: 150045

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	54.0	53.6	80.4

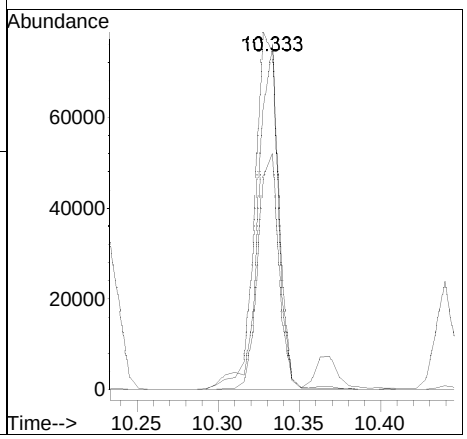


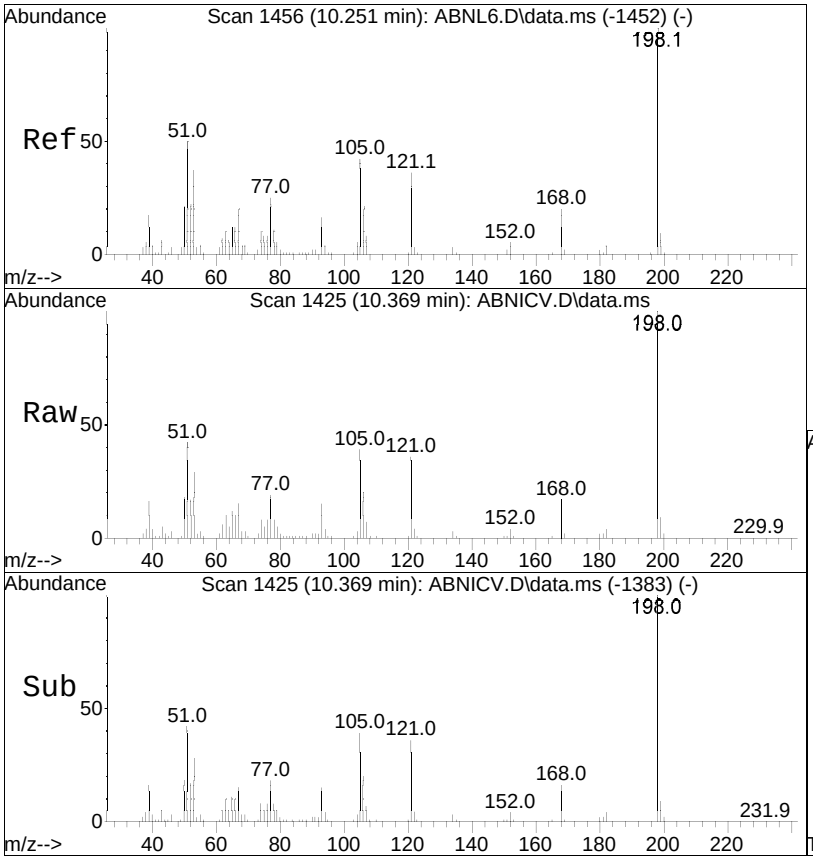


#75
4-Nitroaniline
Concen: 5.13 ug/ml
RT: 10.333 min Scan# 1419
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:138 Resp: 68272

Ion	Ratio	Lower	Upper
138	100		
108	68.0	52.1	78.1
65	112.7	115.0	172.6#

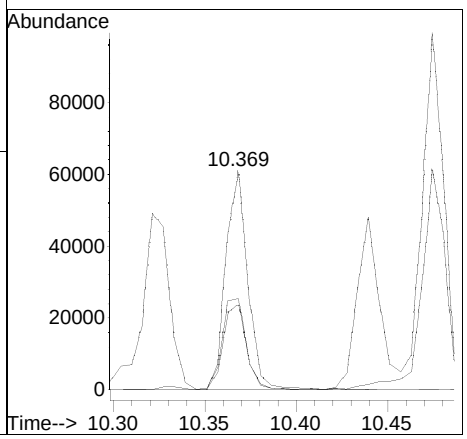


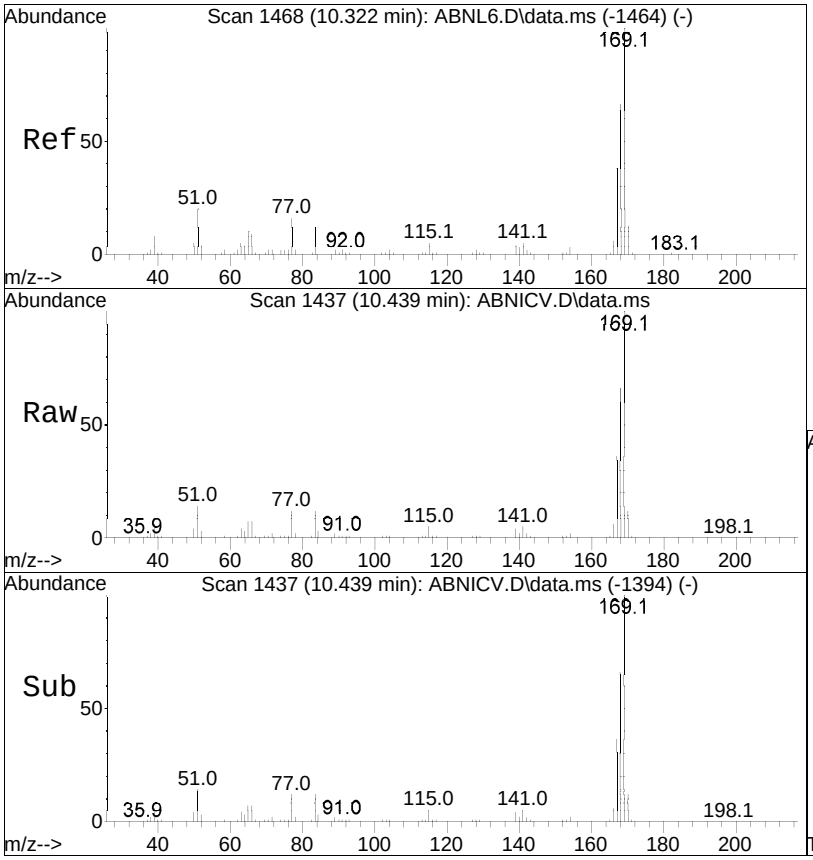


#76
4,6-Dinitro-o-cresol
Concen: 4.55 ug/ml
RT: 10.369 min Scan# 1425
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:198 Resp: 51882

Ion	Ratio	Lower	Upper
198	100		
51	44.5	76.0	114.0#
105	41.8	45.6	68.4#

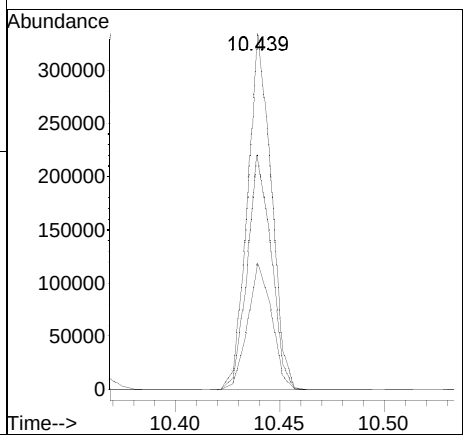


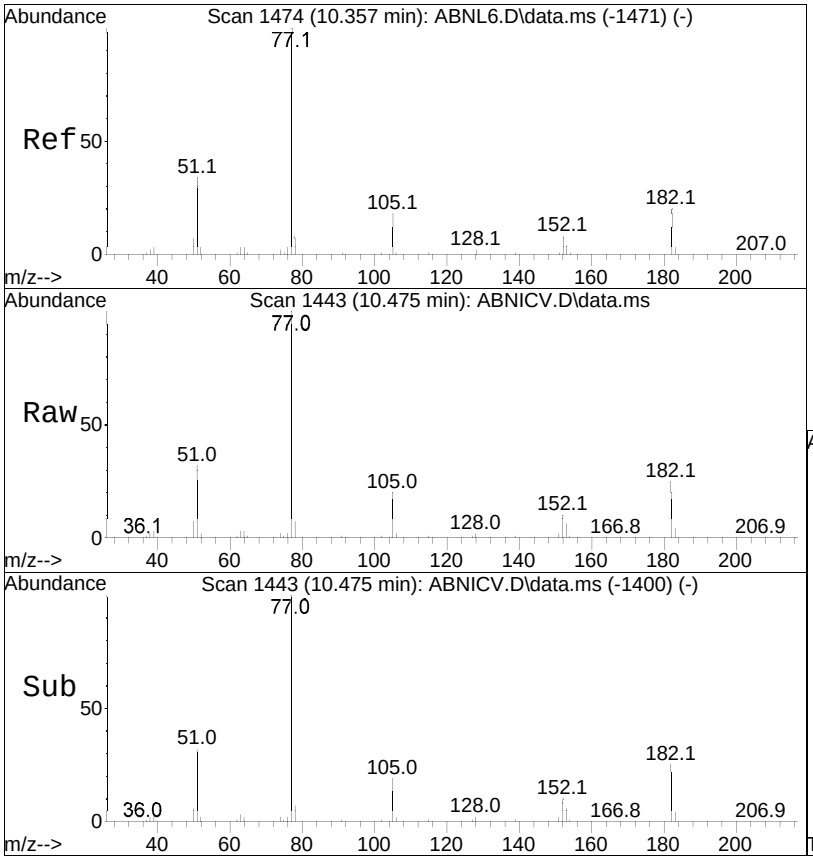


#77
NDPA/DPA
Concen: 5.18 ug/ml
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:169 Resp: 264255

Ion	Ratio	Lower	Upper
169	100		
168	66.4	54.0	81.0
167	36.1	28.6	42.8

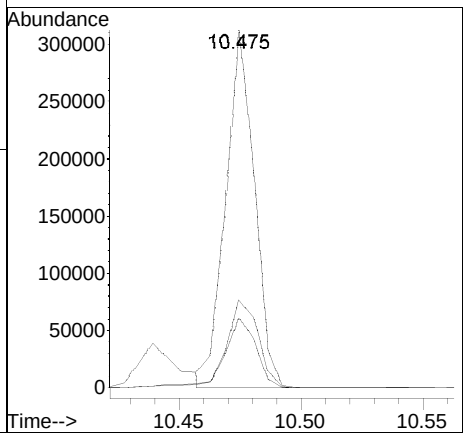


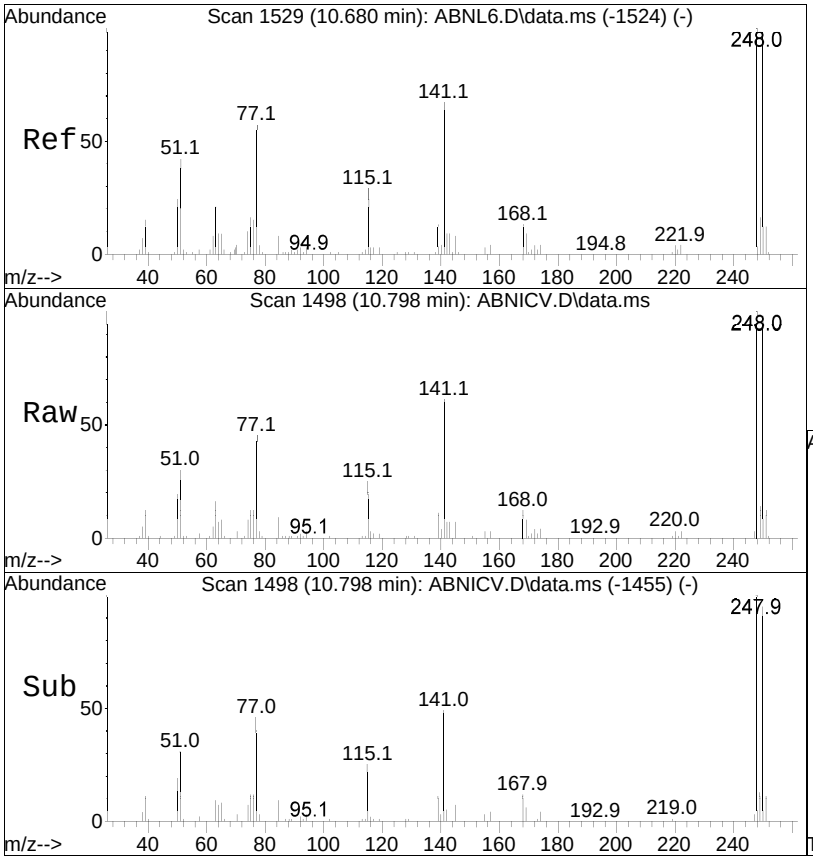


#78
Azobenzene
Concen: 5.06 ug/ml
RT: 10.475 min Scan# 1443
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion: 77 Resp: 252540

Ion	Ratio	Lower	Upper
77	100		
182	28.4	17.4	26.2#
105	22.1	15.4	23.2

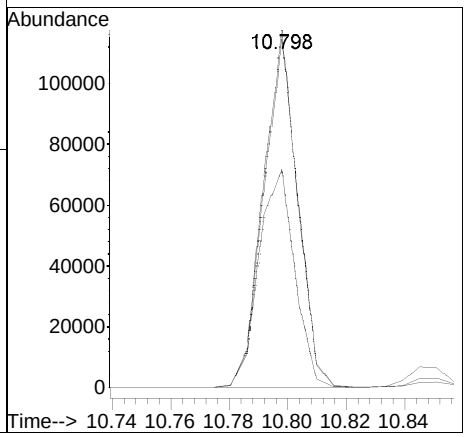


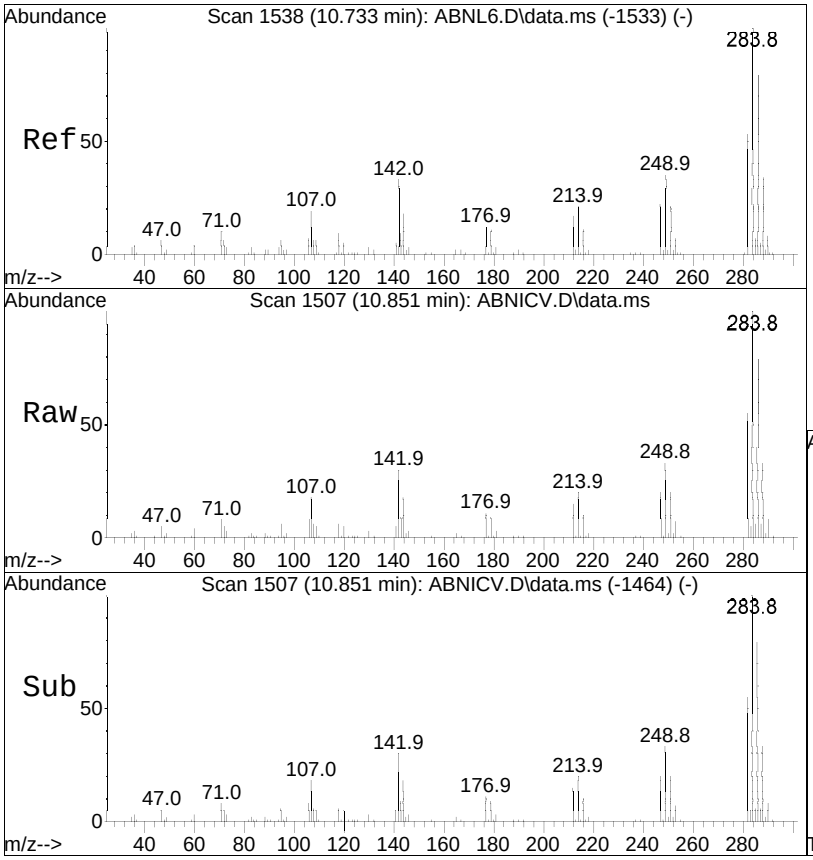


#80
4-Bromophenyl phenyl ether
Concen: 4.99 ug/ml
RT: 10.798 min Scan# 1498
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:248 Resp: 93831

Ion	Ratio	Lower	Upper
248	100		
141	64.5	76.6	114.8#
250	97.4	77.3	115.9

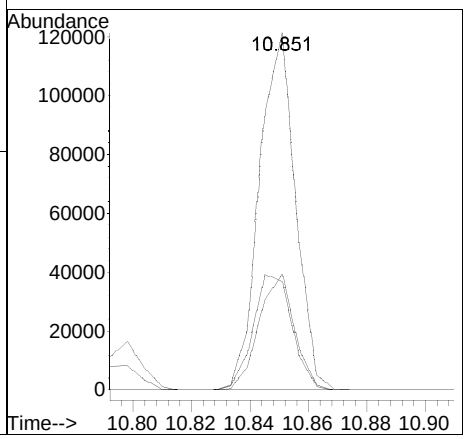


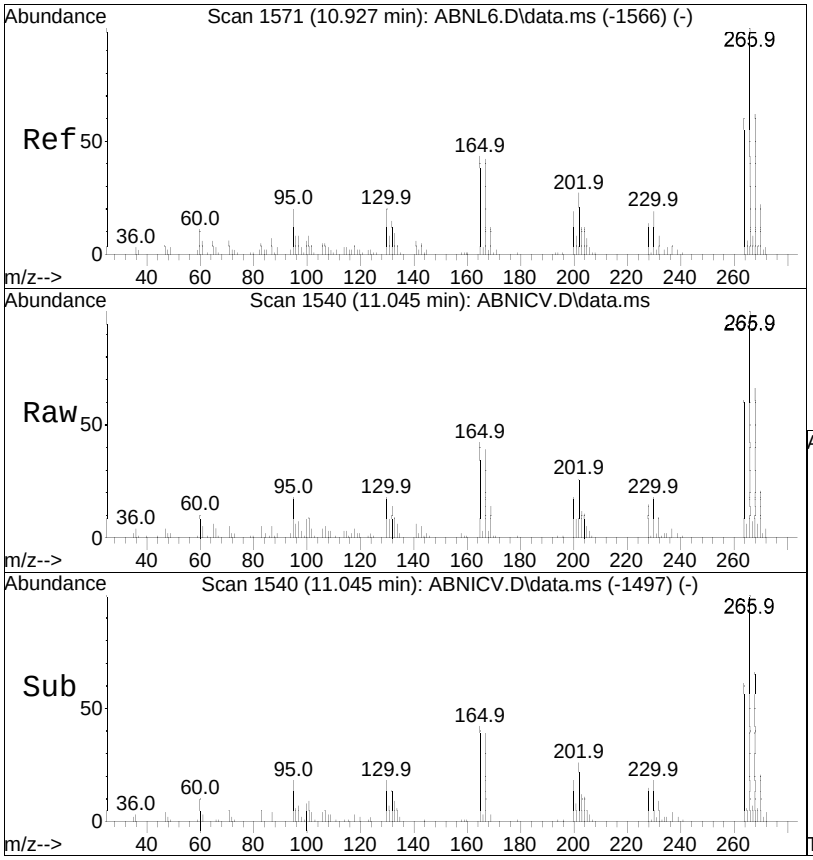


#81
Hexachlorobenzene
Concen: 4.86 ug/ml
RT: 10.851 min Scan# 1507
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:284 Resp: 103516

Ion	Ratio	Lower	Upper
284	100		
142	35.1	41.9	62.9#
249	32.1	24.1	36.1

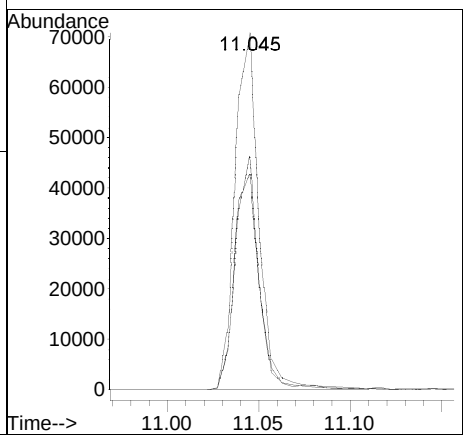


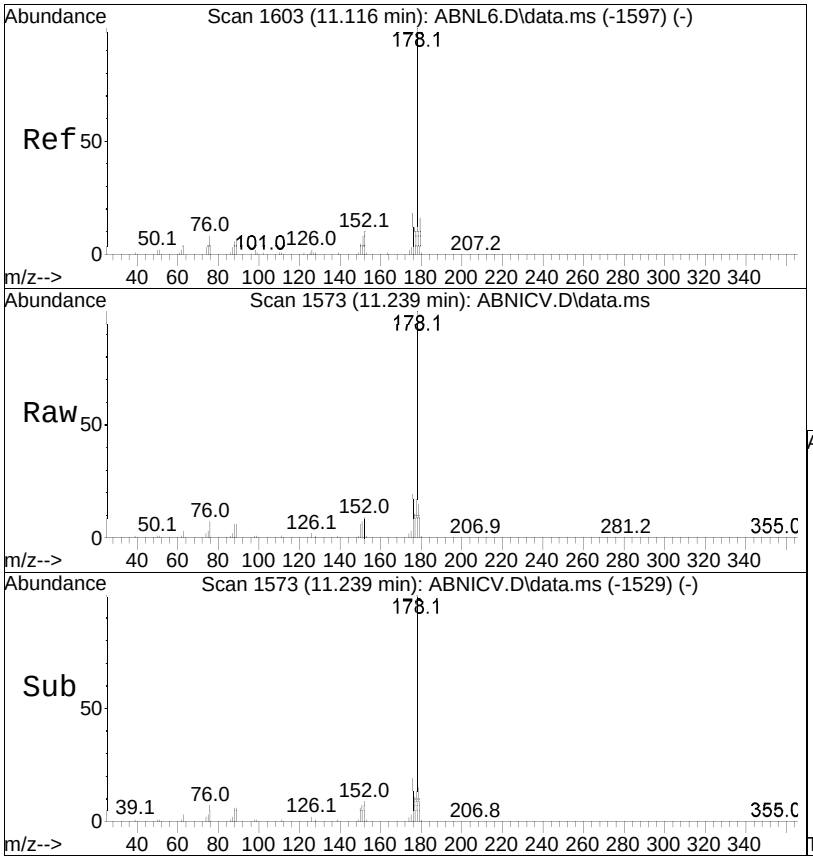


#82
Pentachlorophenol
Concen: 5.02 ug/ml
RT: 11.045 min Scan# 1540
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:266 Resp: 64691

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.7	74.5
268	64.2	50.5	75.7

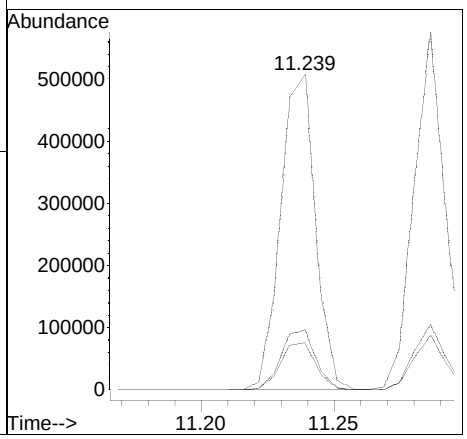


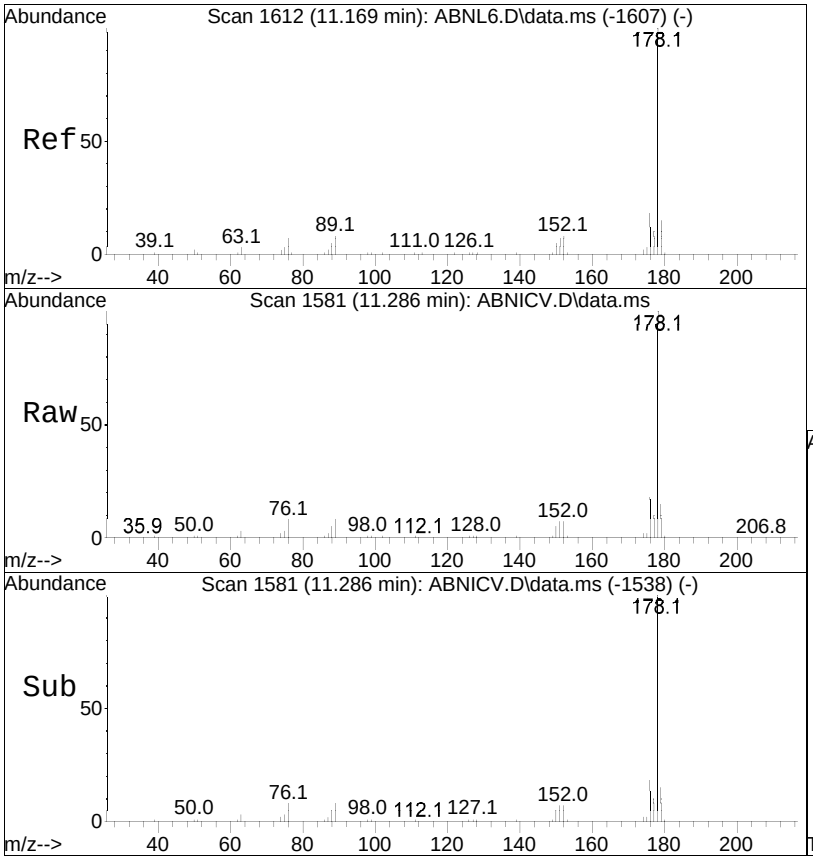


#89
Phenanthrene
Concen: 4.98 ug/ml
RT: 11.239 min Scan# 1573
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:178 Resp: 462471

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	18.9	15.4	23.2

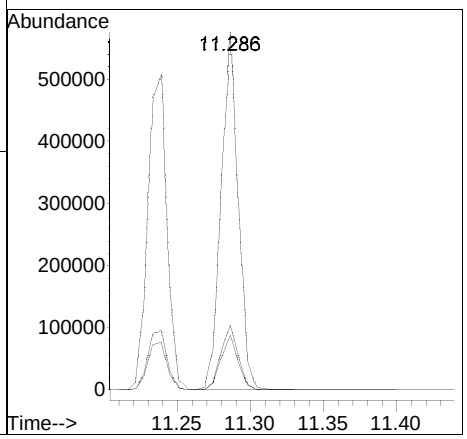


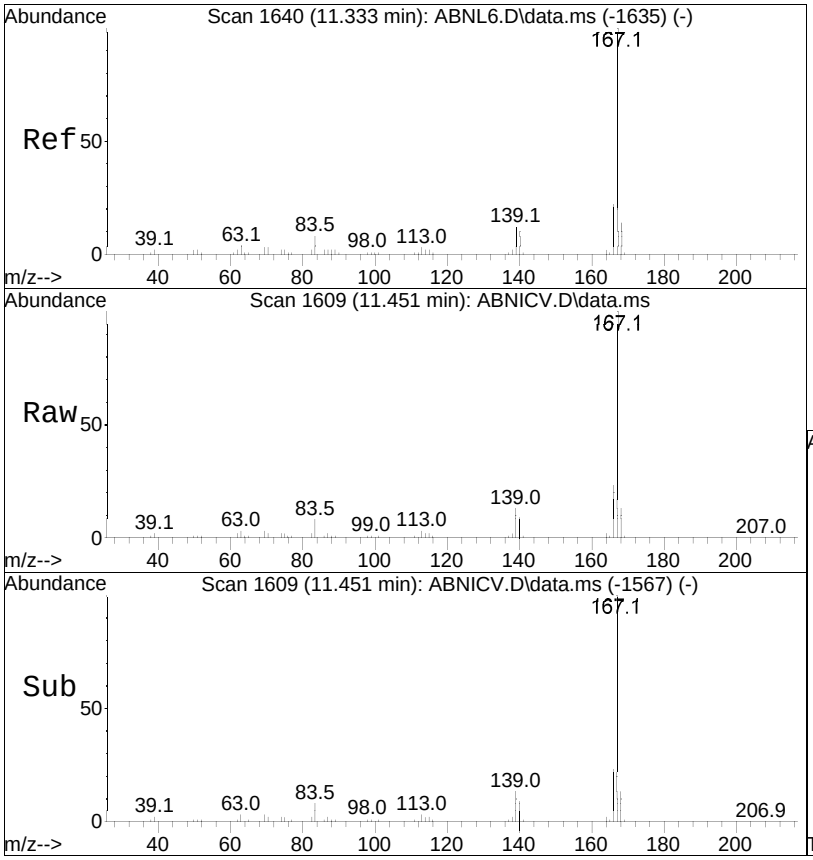


#90
Anthracene
Concen: 5.03 ug/ml
RT: 11.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:178 Resp: 465973

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.4	14.6	22.0

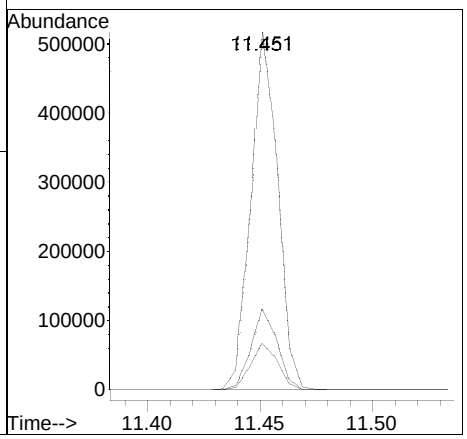


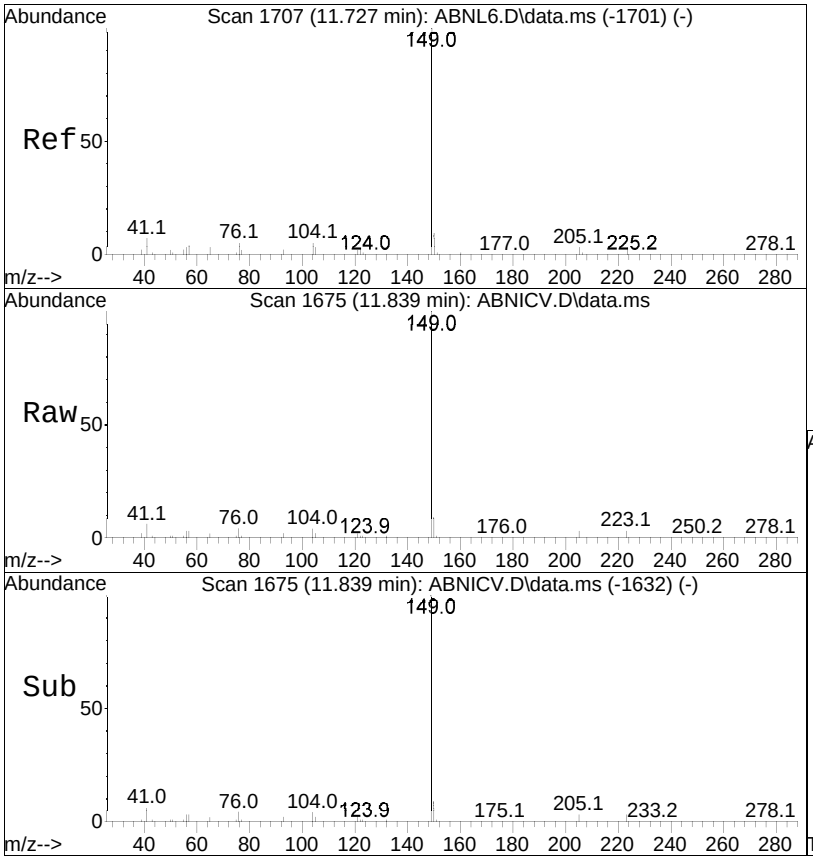


#91
Carbazole
Concen: 5.07 ug/ml
RT: 11.451 min Scan# 1609
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:167 Resp: 423253

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	22.2	17.4	26.0

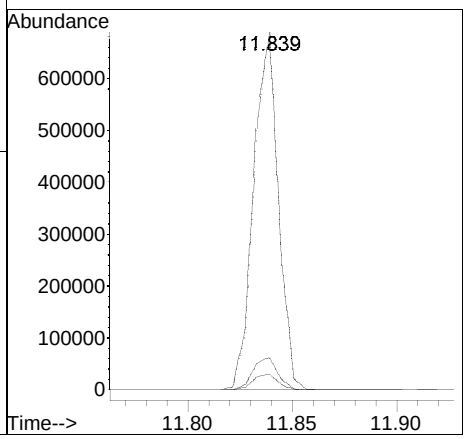


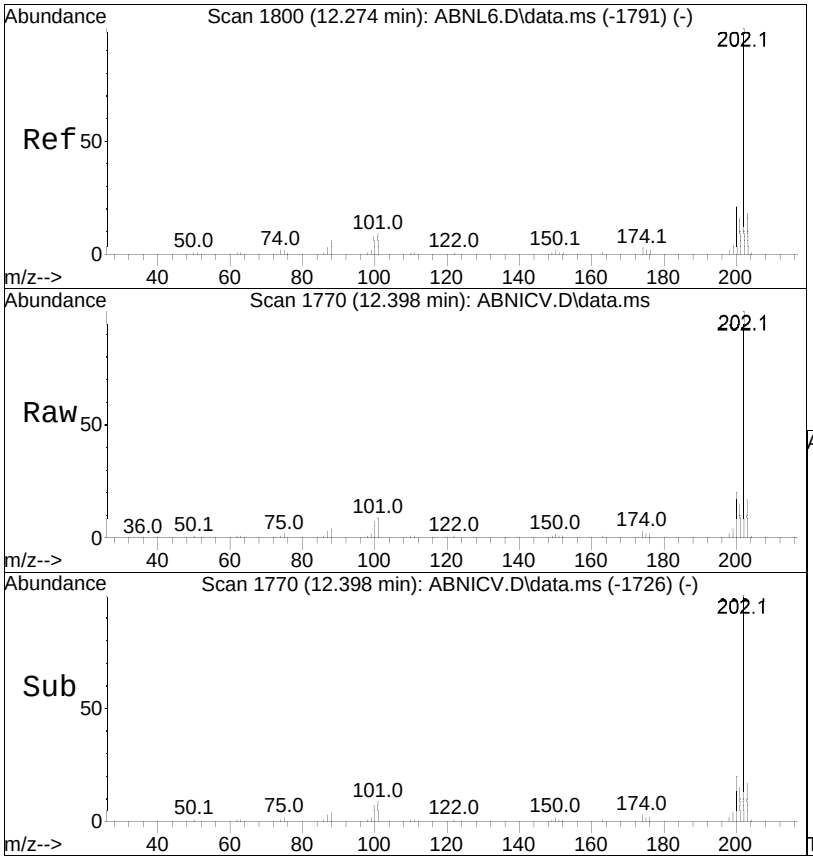


#92
Di-n-butylphthalate
Concen: 5.33 ug/ml
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 556869

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	4.6	4.5	6.7

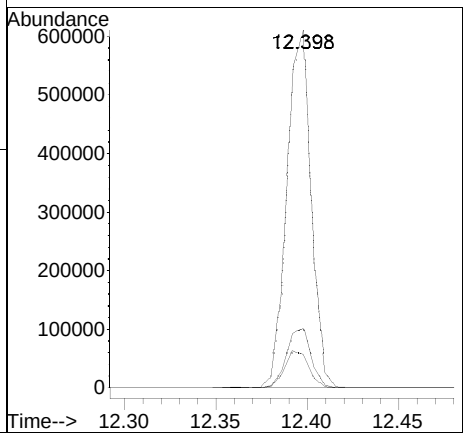


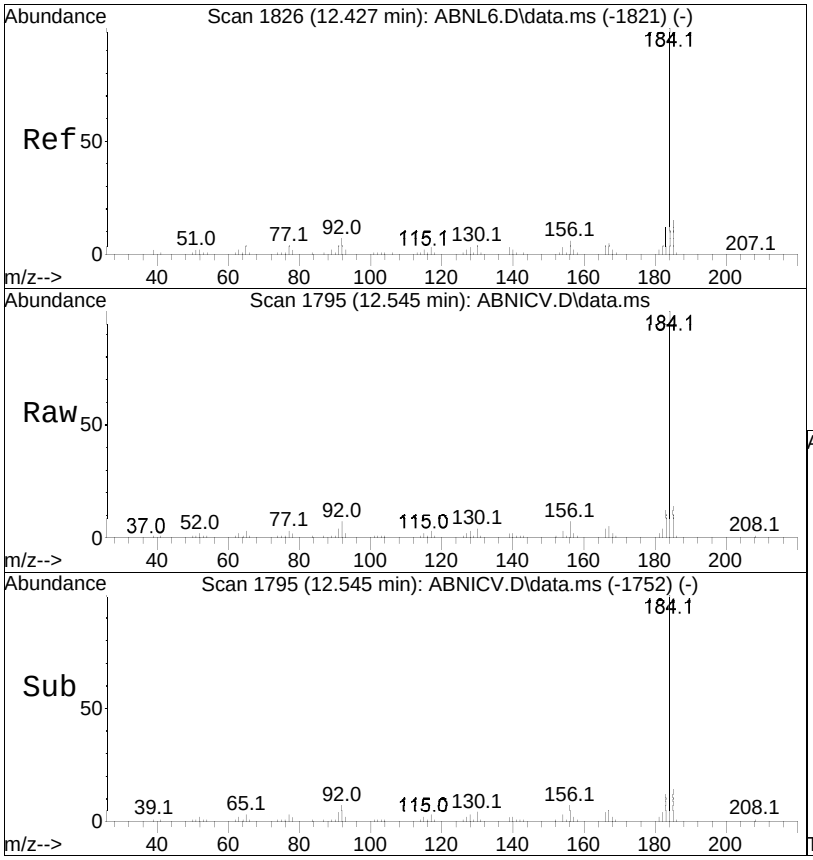


#93
Fluoranthene
Concen: 5.20 ug/ml
RT: 12.398 min Scan# 1770
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:202 Resp: 557525

Ion	Ratio	Lower	Upper
202	100		
101	10.5	13.5	20.3#
203	17.2	13.6	20.4

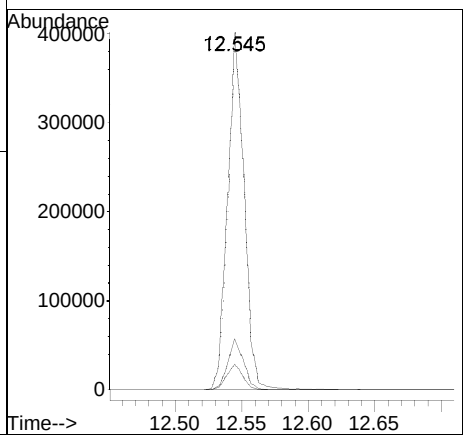


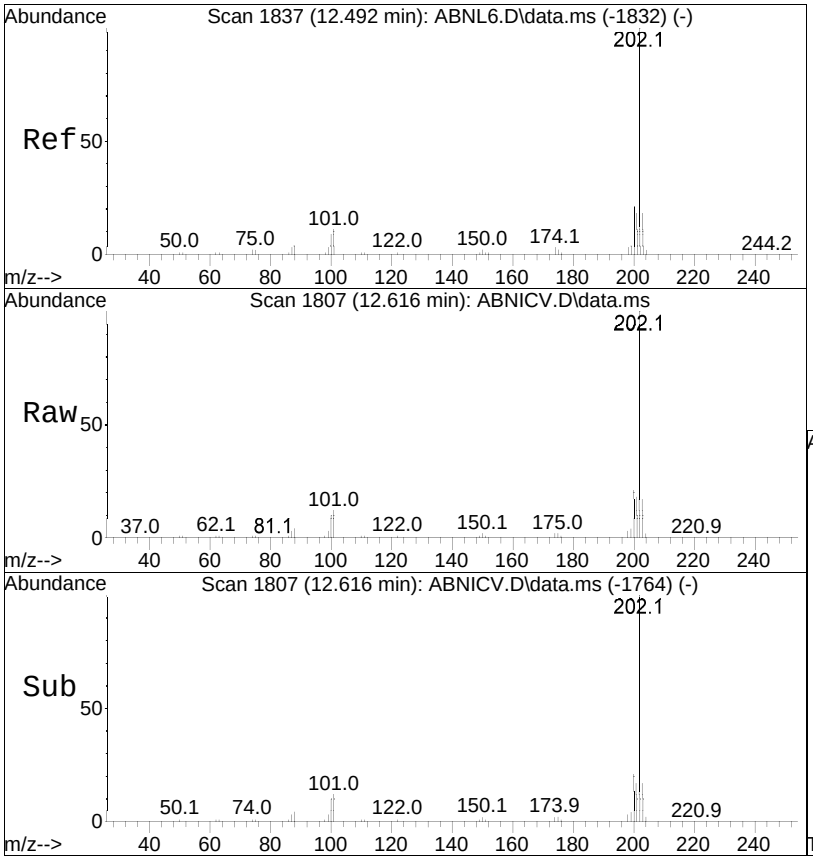


#94
Benzidine
Concen: 5.53 ug/ml
RT: 12.545 min Scan# 1795
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:184 Resp: 339703

Ion	Ratio	Lower	Upper
184	100		
92	7.2	9.1	13.7#
185	14.0	11.1	16.7

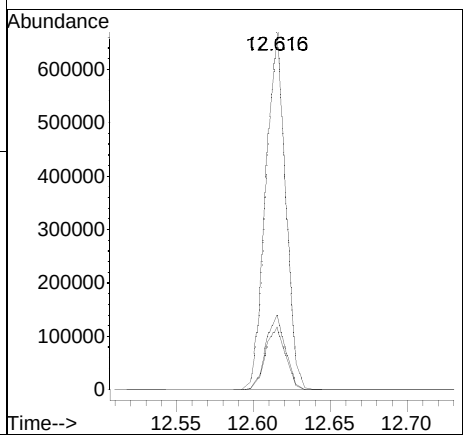


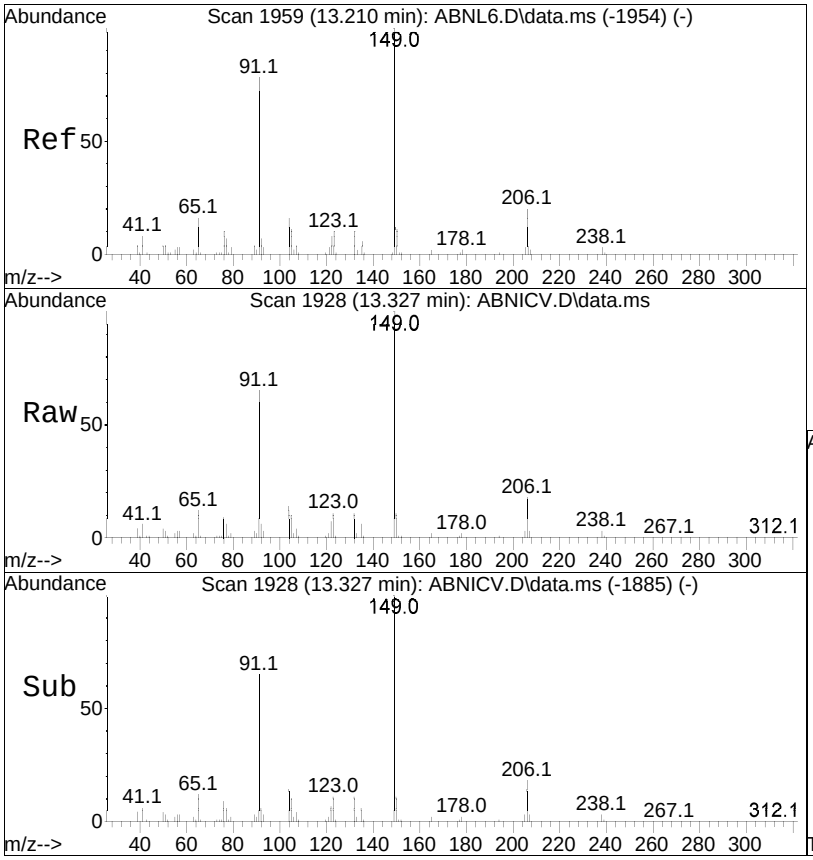


#95
Pyrene
Concen: 5.25 ug/ml
RT: 12.616 min Scan# 1807
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:202 Resp: 593234

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.9	14.2	21.4

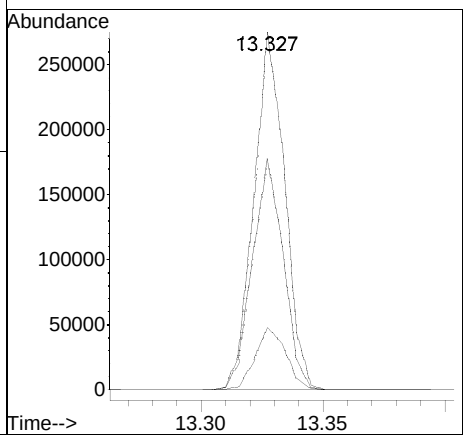


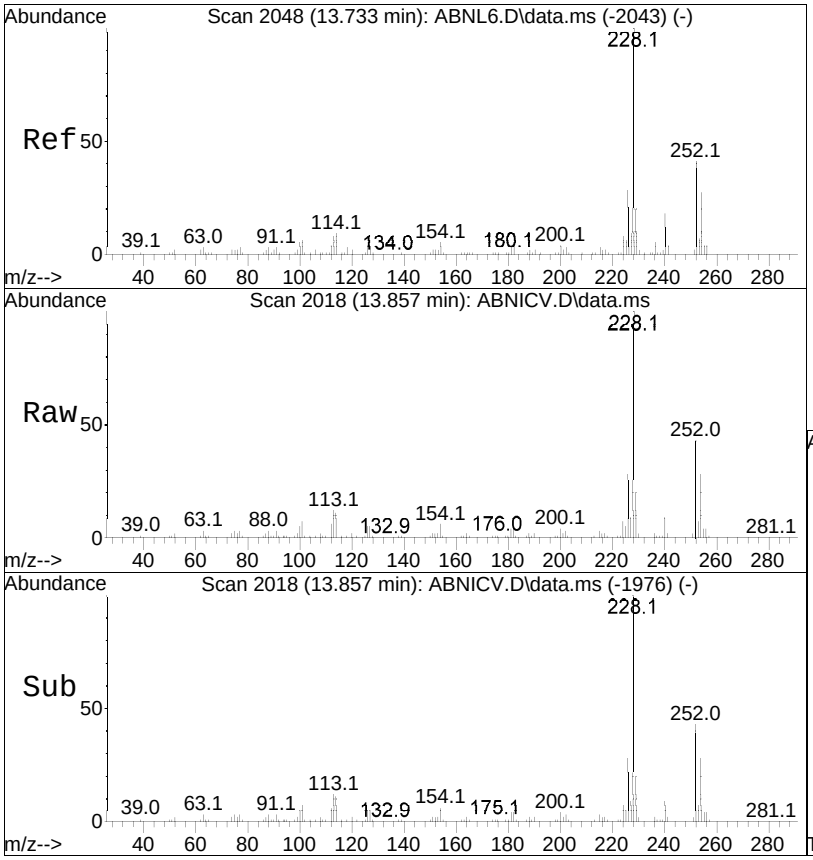


#97
Butyl benzyl phthalate
Concen: 5.44 ug/ml
RT: 13.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 238944

Ion	Ratio	Lower	Upper
149	100		
91	65.0	63.3	94.9
206	17.5	13.9	20.9

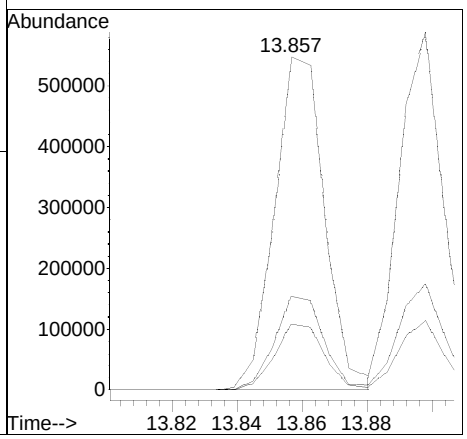


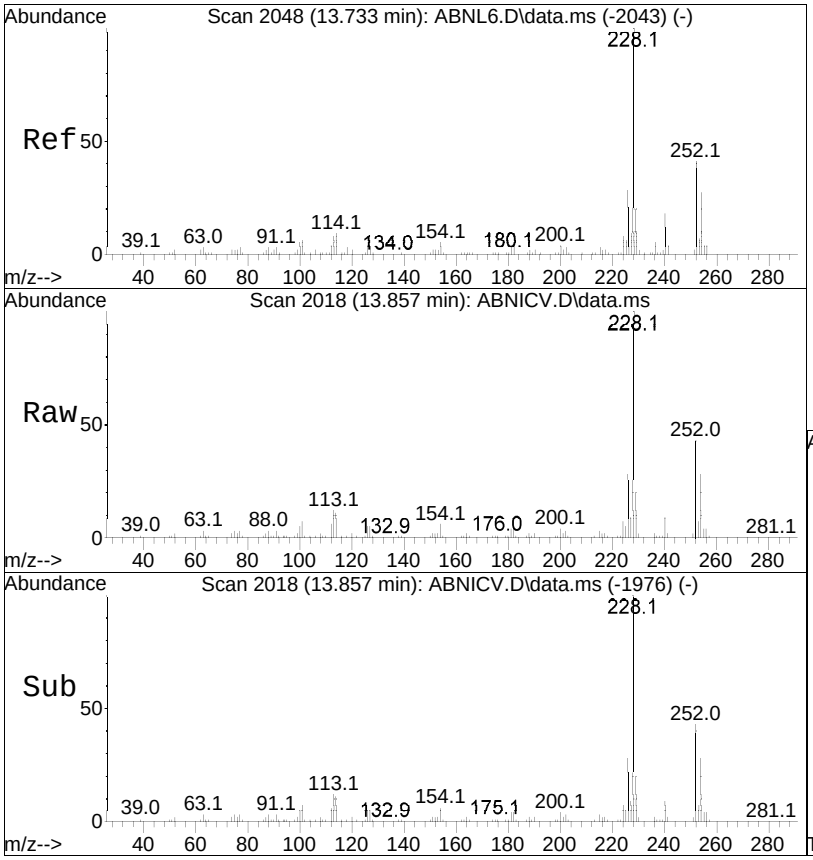


#105
Benzo(a)anthracene
Concen: 4.90 ug/ml
RT: 13.857 min Scan# 2018
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:228 Resp: 586338

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.8	15.6	23.4

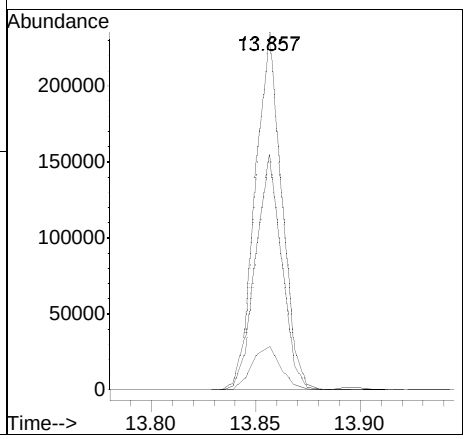


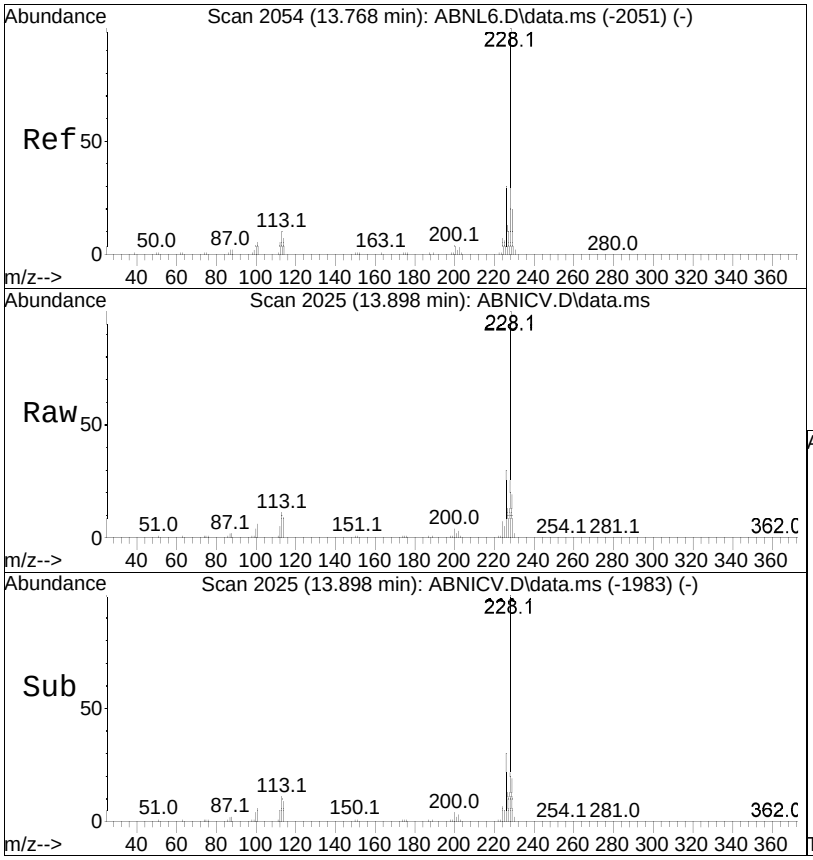


#106
3,3'-Dichlorobenzidine
Concen: 5.26 ug/ml
RT: 13.857 min Scan# 2018
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 206912

Ion	Ratio	Lower	Upper
252	100		
126	13.5	14.5	21.7#
254	65.1	51.2	76.8

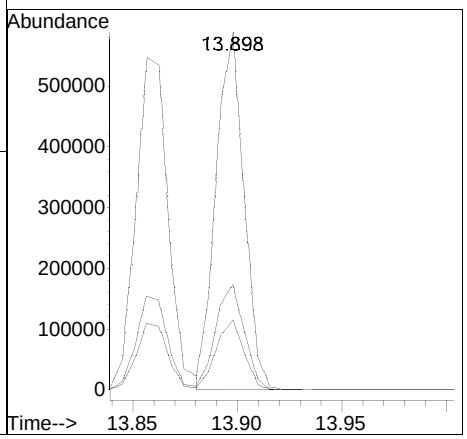


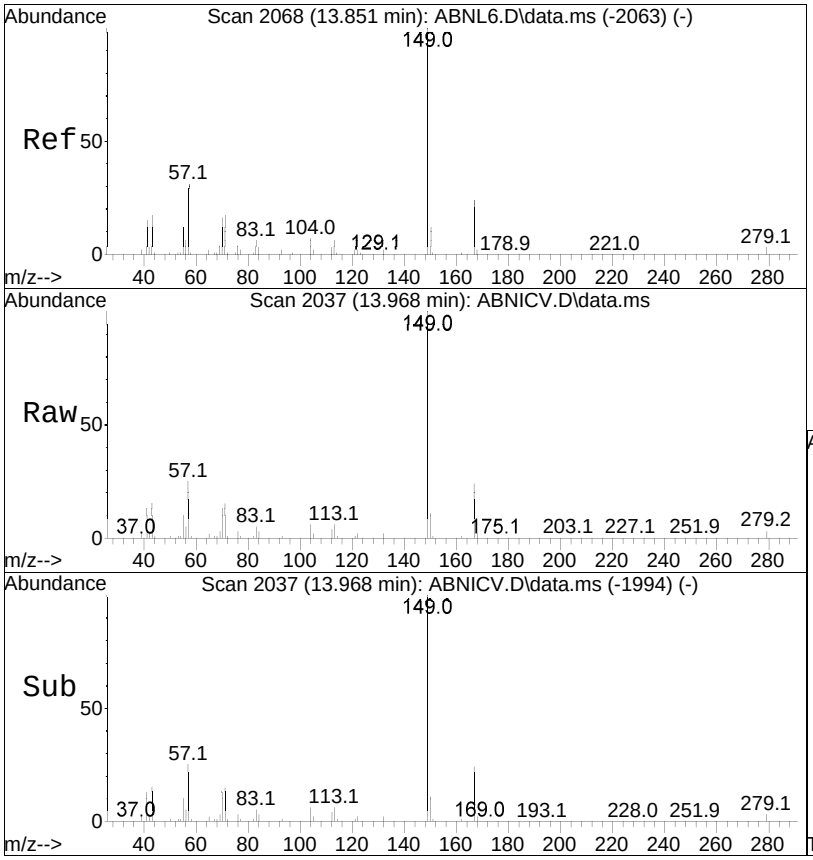


#107
Chrysene
Concen: 4.78 ug/ml
RT: 13.898 min Scan# 2025
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:228 Resp: 549197

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.4	15.8	23.8

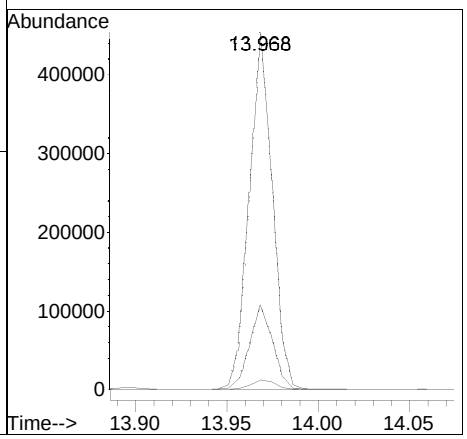


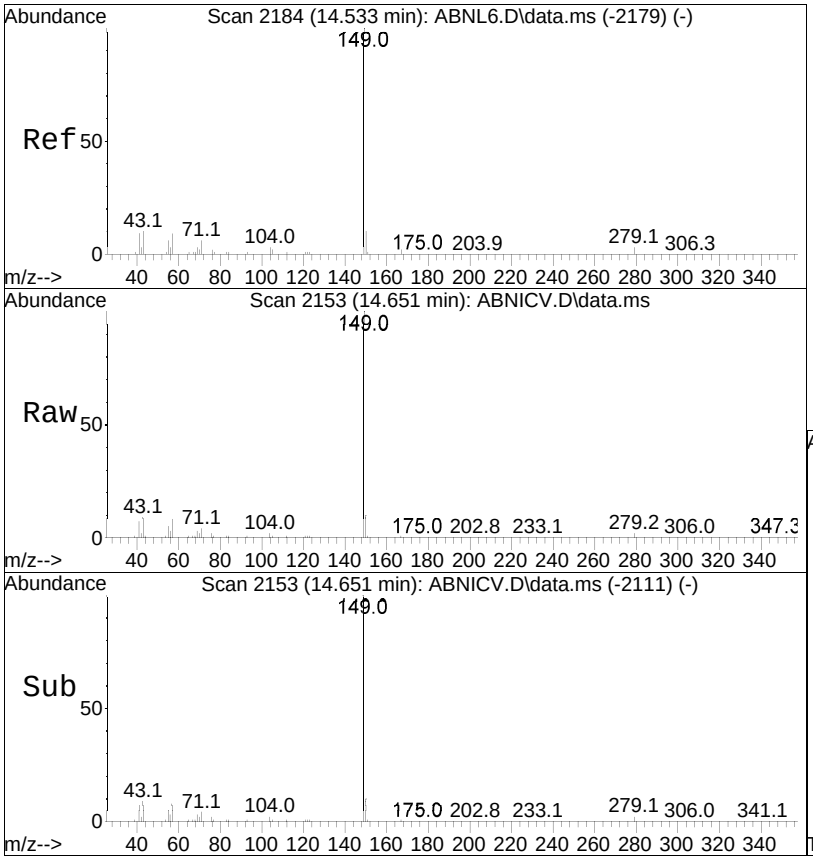


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.48 ug/ml
RT: 13.968 min Scan# 2037
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 394308

Ion	Ratio	Lower	Upper
149	100		
167	23.8	22.1	33.1
279	2.6	3.0	4.4#

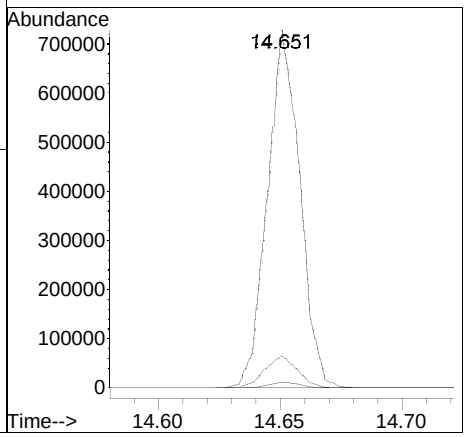


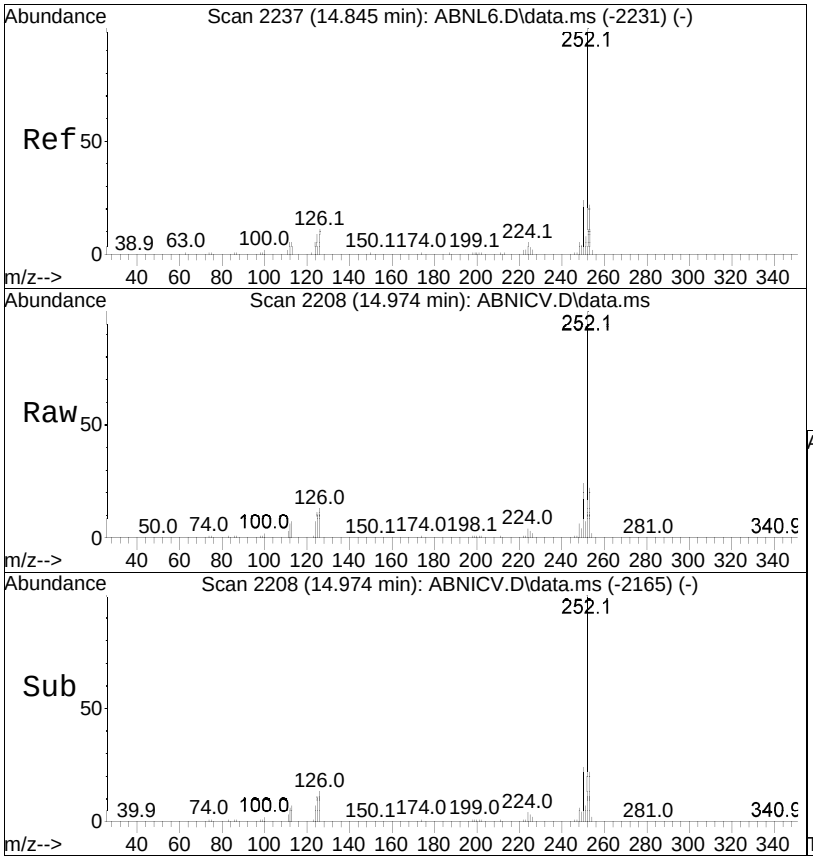


#109
Di-n-octylphthalate
Concen: 5.54 ug/ml
RT: 14.651 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:149 Resp: 660821

Ion	Ratio	Lower	Upper
149	100		
43	9.2	18.8	28.2#
167	1.4	1.3	1.9

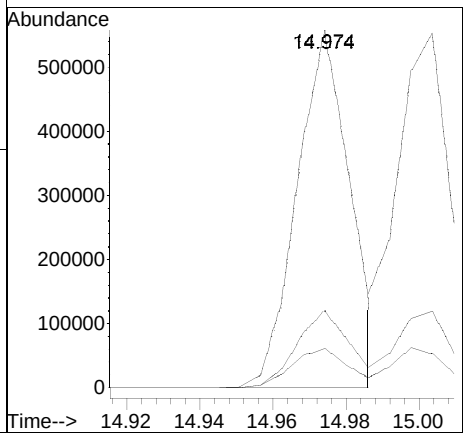


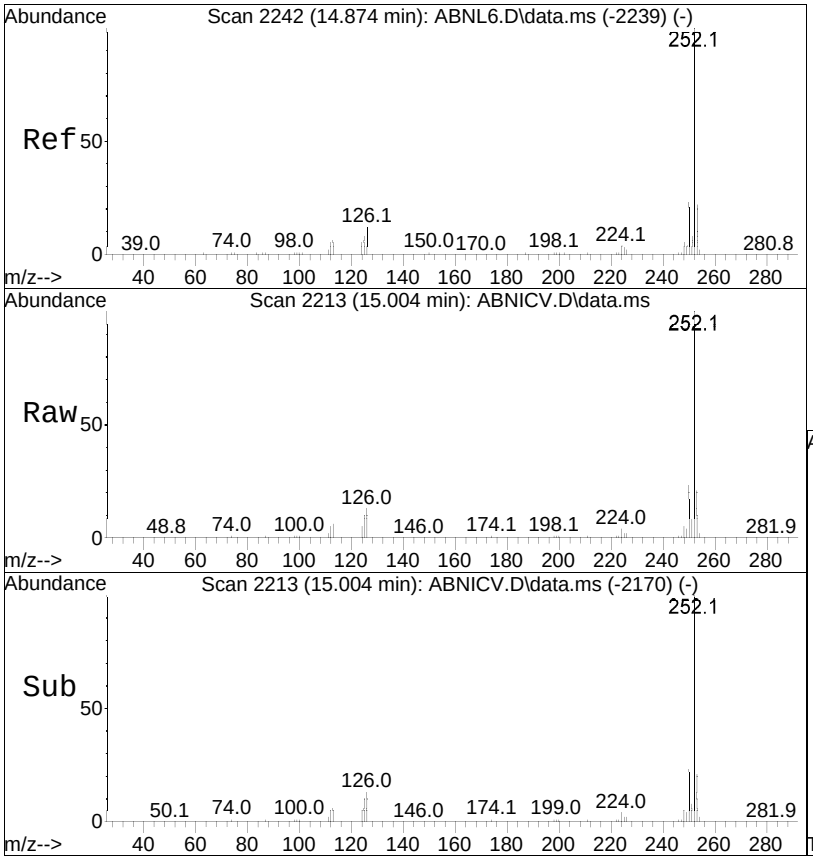


#110
Benzo(b)fluoranthene
Concen: 4.89 ug/ml
RT: 14.974 min Scan# 2208
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 564800

Ion	Ratio	Lower	Upper
252	100		
125	11.9	13.3	19.9#
253	21.7	17.1	25.7

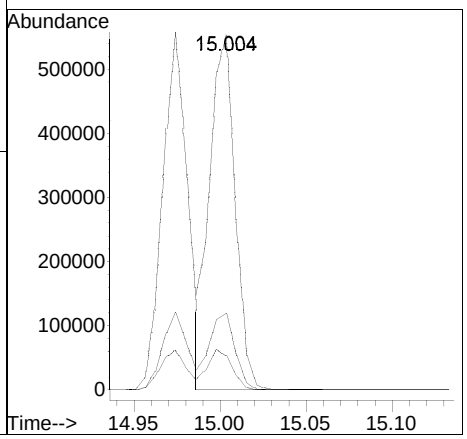


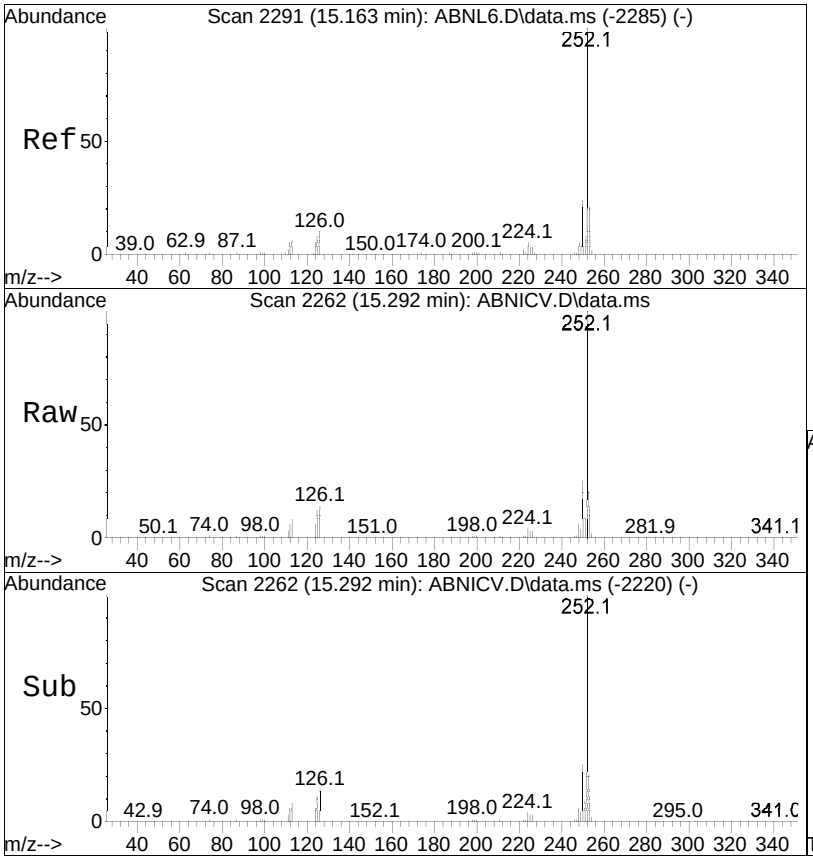


#111
Benzo(k)fluoranthene
Concen: 5.27 ug/ml
RT: 15.004 min Scan# 2213
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 567319

Ion	Ratio	Lower	Upper
252	100		
125	11.0	13.0	19.6#
253	21.8	16.8	25.2

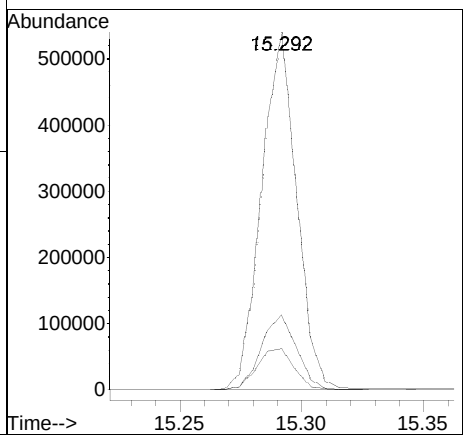


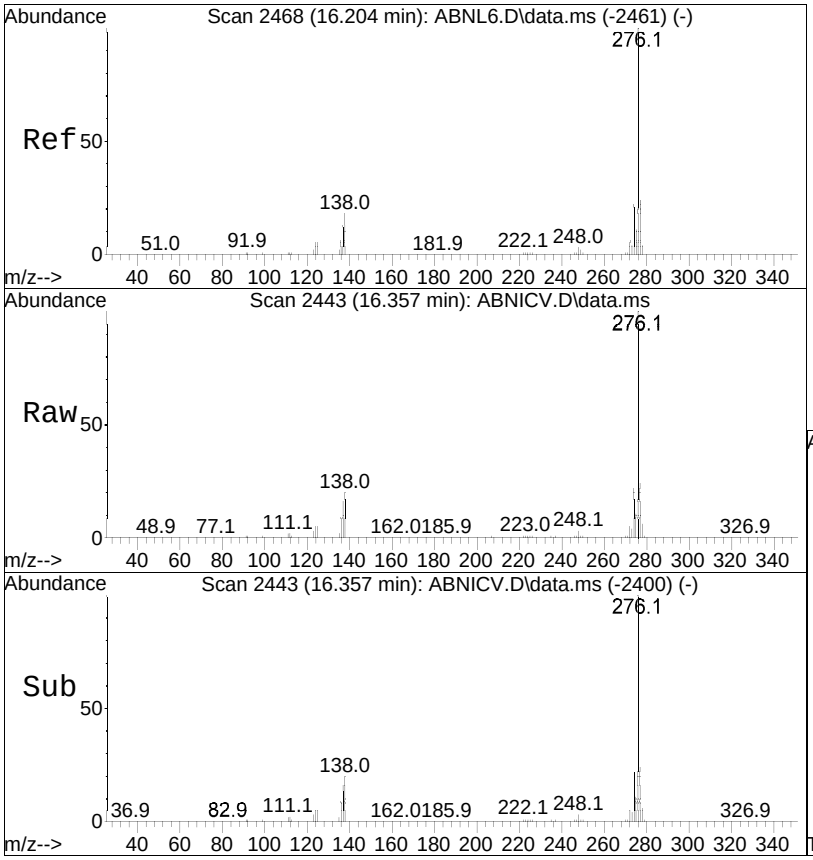


#112
Benzo(a)pyrene
Concen: 5.36 ug/ml
RT: 15.292 min Scan# 2262
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:252 Resp: 537065

Ion	Ratio	Lower	Upper
252	100		
125	12.5	14.2	21.2#
253	21.4	16.9	25.3

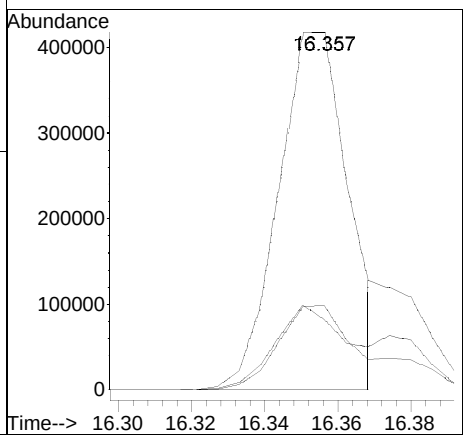


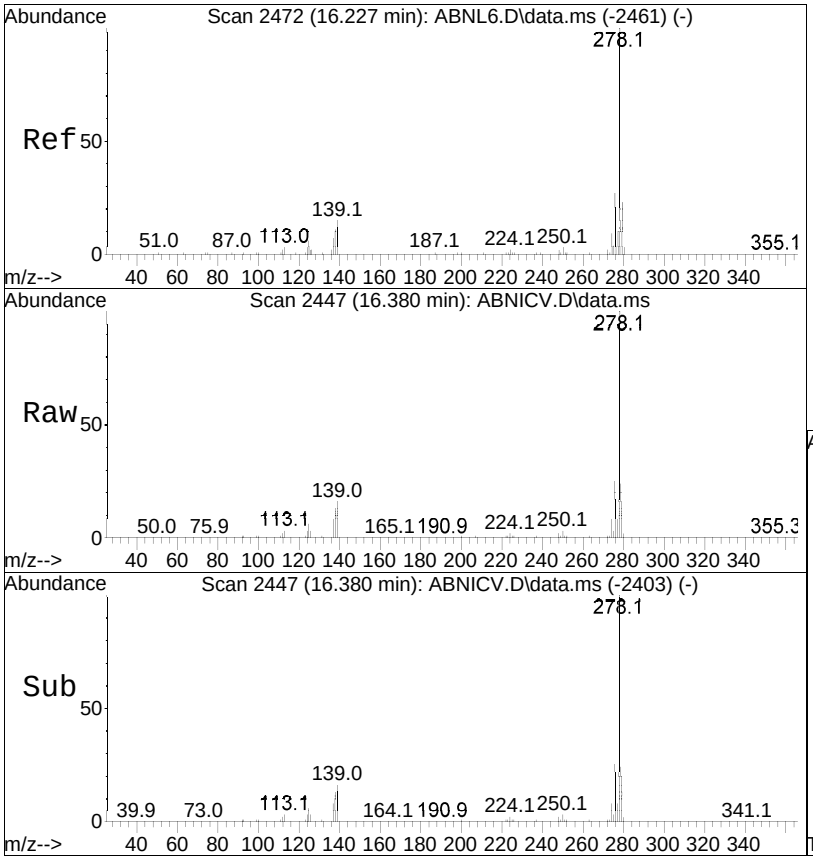


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.01 ug/mL M6
RT: 16.357 min Scan# 2443
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:276 Resp: 557701

Ion	Ratio	Lower	Upper
276	100		
138	24.8	25.1	37.7#
277	30.8	18.6	28.0#

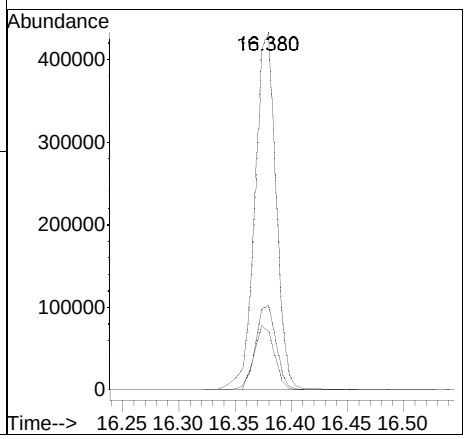


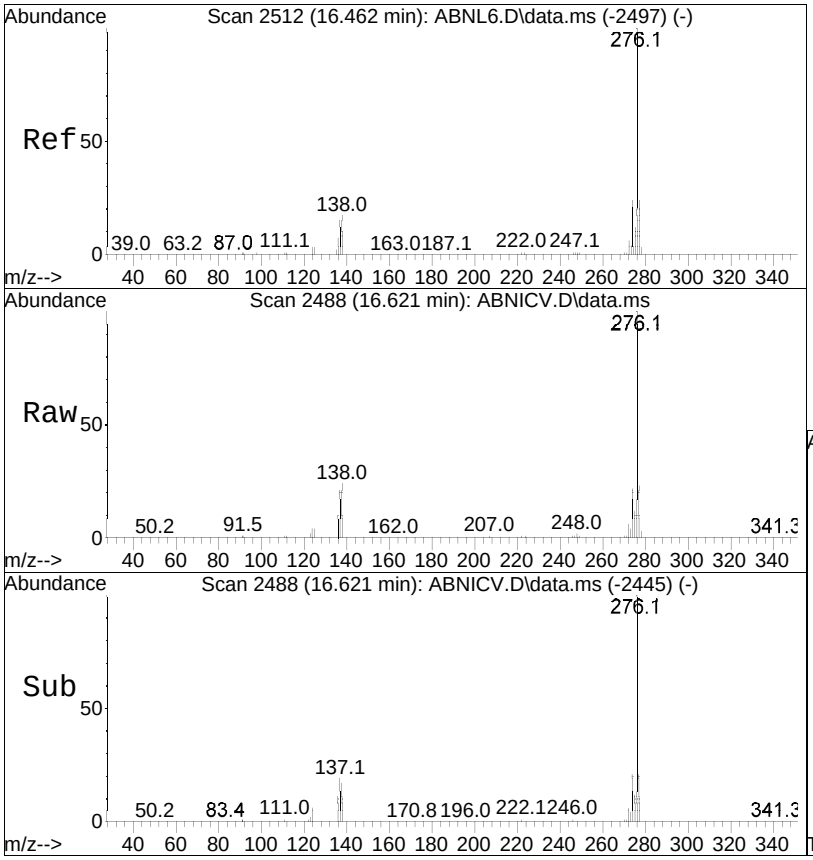


#115
Dibenzo(a,h)anthracene
Concen: 5.29 ug/ml
RT: 16.380 min Scan# 2447
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:278 Resp: 559514

Ion	Ratio	Lower	Upper
278	100		
139	17.3	20.8	31.2#
279	23.3	18.3	27.5

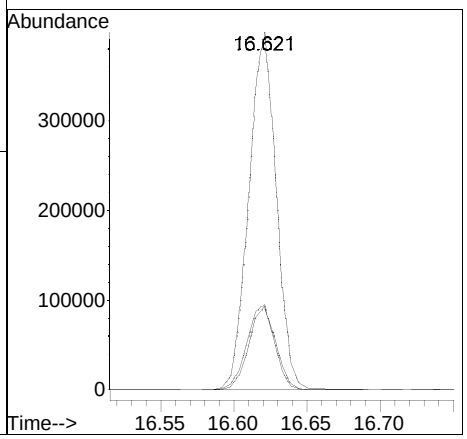




#116
Benzo(ghi)perylene
Concen: 5.18 ug/ml
RT: 16.621 min Scan# 2488
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 10 Oct 2024 3:13 am

Tgt Ion:276 Resp: 513605

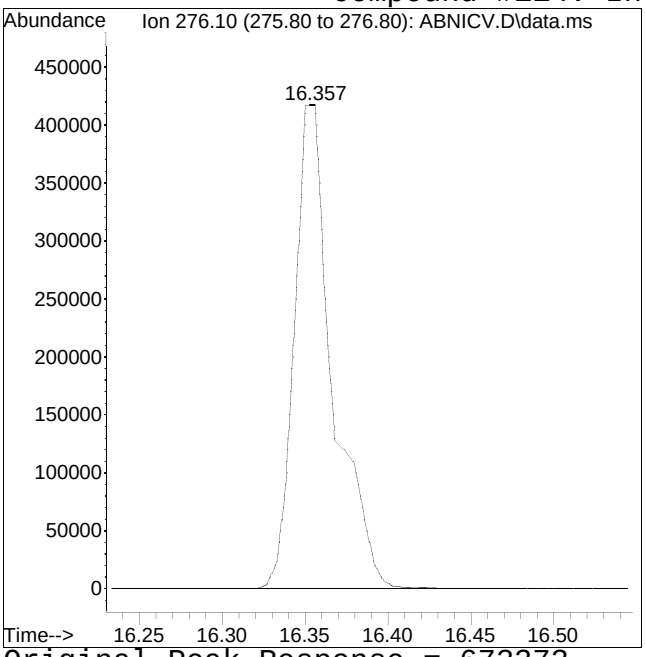
Ion	Ratio	Lower	Upper
276	100		
138	24.1	29.2	43.8#
277	23.2	18.8	28.2



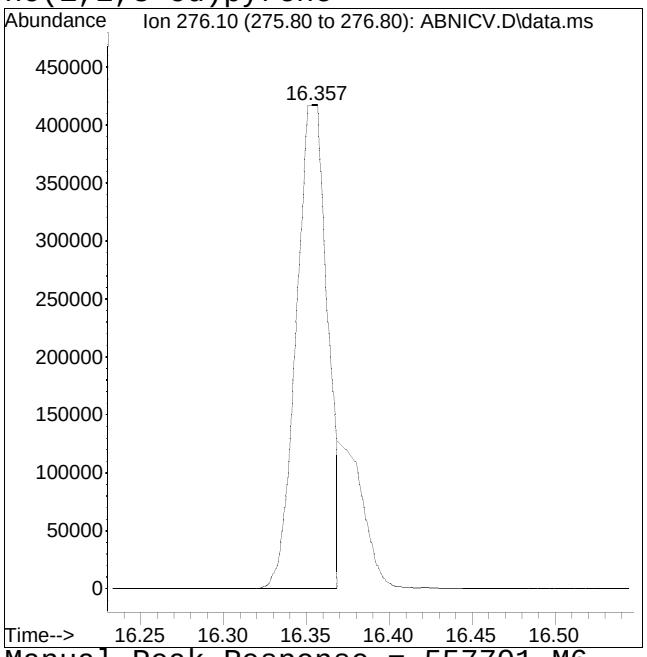
Manual Integration Report

Data Path : I:\8270\SV106\241009RVTicaQMethod : FS241009SV106.m
Data File : ABNICV.D Operator : SV106:HNY
Date Inj'd : 10/10/2024 3:13 am Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 110Quant Date : 10/16/2024 5:40 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 673373



Manual Peak Response = 557701 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
28	T	Benzaldehyde	0.948	1.108	-16.9	116	0.00
29	T	Acetophenone	1.829	1.945	-6.3	110	0.00
30	T	m-Toluidine	1.612	1.865	-15.7	117	0.00
31	T	2-Chloroaniline	1.609	1.740	-8.1	107	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	102	0.00
56	T	a-Terpineol	0.282	0.298	-5.7	109	0.00
57	T	3-Chloroaniline	0.132	0.150	-13.6	109	0.00
58	T	2,6-Dichlorophenol	0.300	0.327	-9.0	108	0.00
59	T	1-chloro-2-nitrobenzene	0.145	0.158	-9.0	110	0.00
60	T	Caprolactam	0.147	0.159	-8.2	108	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.402	0.422	-5.0	108	0.00
62	T	Biphenyl	0.907	0.959	-5.7	106	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
84	T	Dichloran	0.181	0.188	-3.9	109	0.00
85	T	Pentachloronitrobenzene	0.193	0.202	-4.7	105	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	100	0.00
99	T	Diphenamid	0.505	0.546	-8.1	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241009RVTical\ABNL6.D
: 2 - I:\8270\SV106\241009RVTical\ADPL6.D
: 3 - I:\8270\SV106\241009RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.604	152	69862	4.000	ug/ml		0.00
Standard Area 3 = 68577			Recovery =	101.87%			
55) IS2_Naphthalene-d8	8.010	136	266878	4.000	ug/ml	#	0.00
Standard Area 3 = 261108			Recovery =	102.21%			
83) IS2_Acenaphthene-d10	9.769	164	159521	4.000	ug/ml		0.00
Standard Area 3 = 153971			Recovery =	103.60%			
98) IS2_Phenanthrene-d10	11.216	188	324327	4.000	ug/ml		0.00
Standard Area 3 = 324206			Recovery =	100.04%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	6.040	105	96802	5.849	ug/ml		95
29) Acetophenone	7.087	105	169891	5.319	ug/ml	#	80
30) m-Toluidine	7.187	106	162885	5.784	ug/ml		95
31) 2-Chloroaniline	7.587	127	151975	5.407	ug/ml	#	92
56) a-Terpineol	8.075	59	99379	5.279	ug/ml	#	83
57) 3-Chloroaniline	8.092	65	49908	5.646	ug/ml		97
58) 2,6-Dichlorophenol	8.122	162	109210	5.457	ug/ml	#	85
59) 1-chloro-2-nitrobenzene	8.387	111	52627	5.425	ug/ml	#	1
60) Caprolactam	8.422	55	53050	5.421	ug/ml	#	67
61) 1,2,4,5-Tetrachloroben...	8.922	216	140652	5.246	ug/ml		97
62) Biphenyl	9.222	154	320073	5.290	ug/ml		99
84) Dichloran	10.904	206	37449	5.186	ug/ml	#	70
85) Pentachloronitrobenzene	11.057	237	40333	5.233	ug/ml	#	80
99) Diphenamid	12.116	167	221467	5.410	ug/ml	#	79

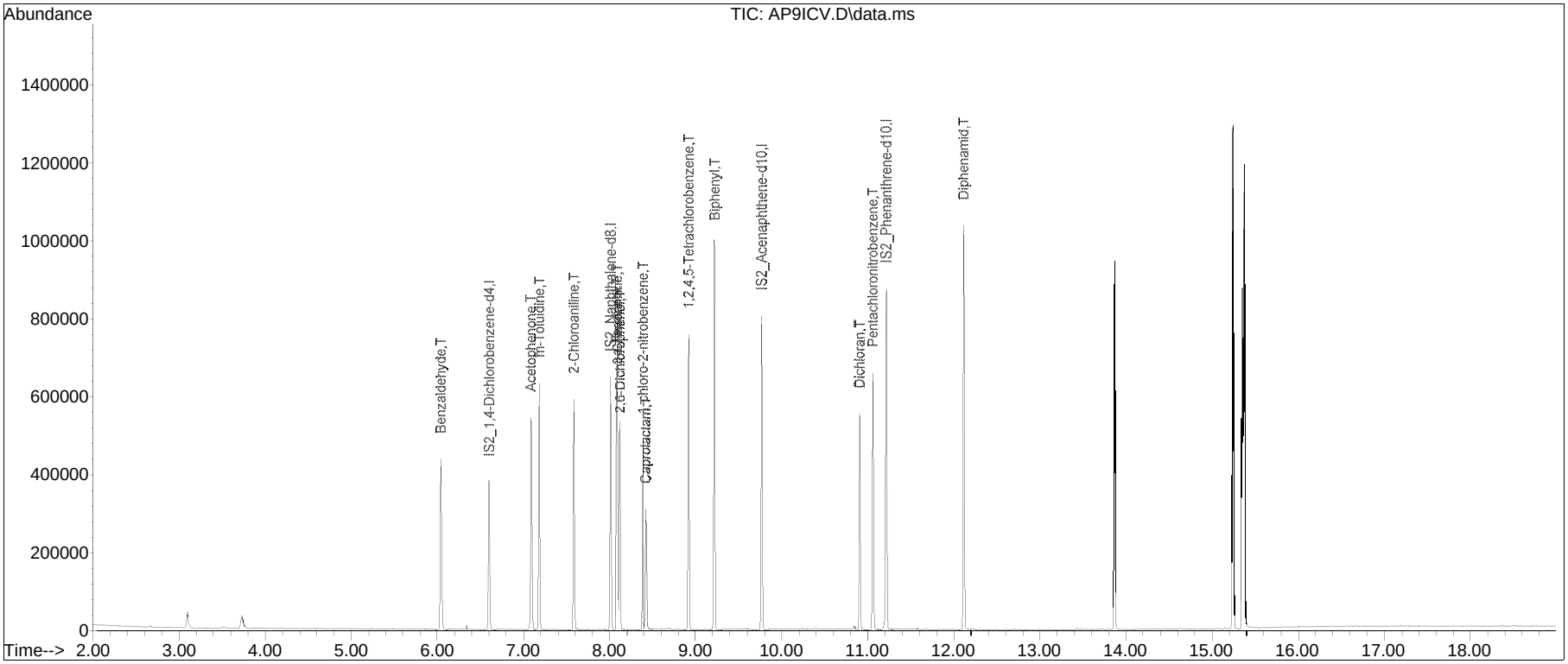
(#) = qualifier out of range (m) = manual integration (+) = signals summed

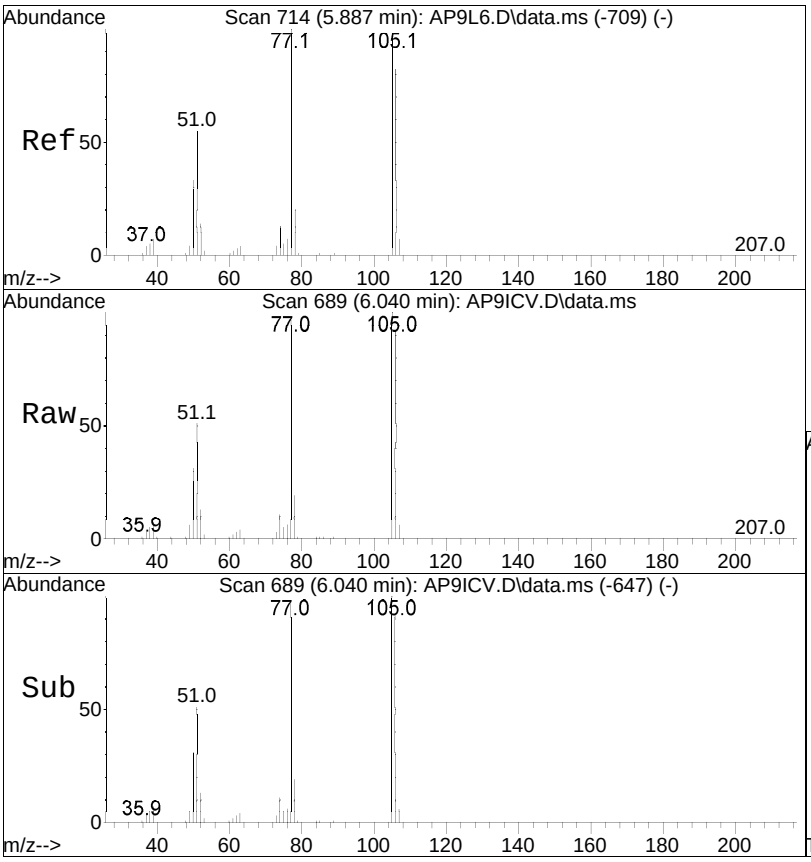
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : AP9ICV.D
Acq On : 10 Oct 2024 3:37 am
Operator : SV106:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11032
Misc : WG1984388
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 11 12:12:14 2024
Quant Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 12:10:20 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

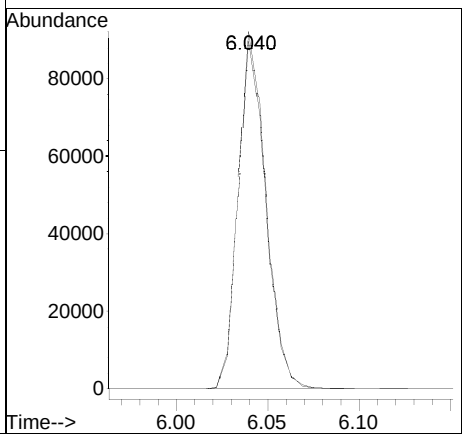


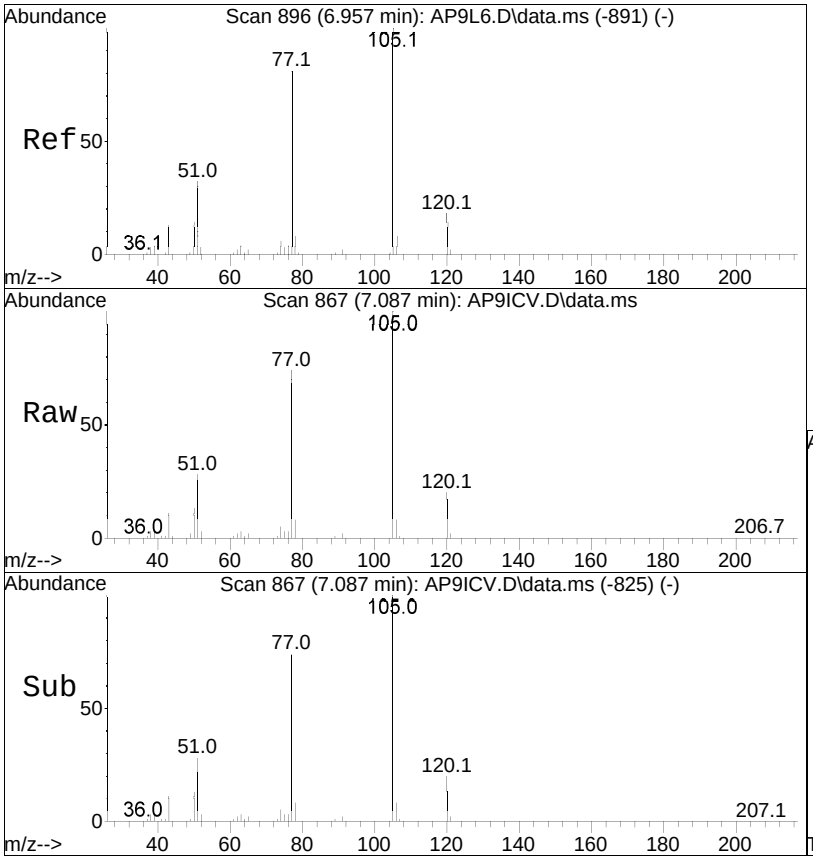


#28
Benzaldehyde
Concen: 5.85 ug/ml
RT: 6.040 min Scan# 689
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:105 Resp: 96802

Ion	Ratio	Lower	Upper
105	100		
77	97.3	82.2	123.4

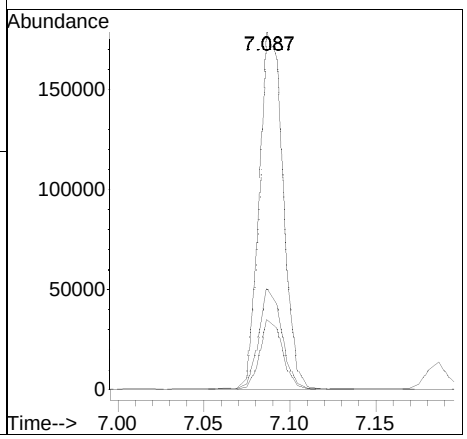


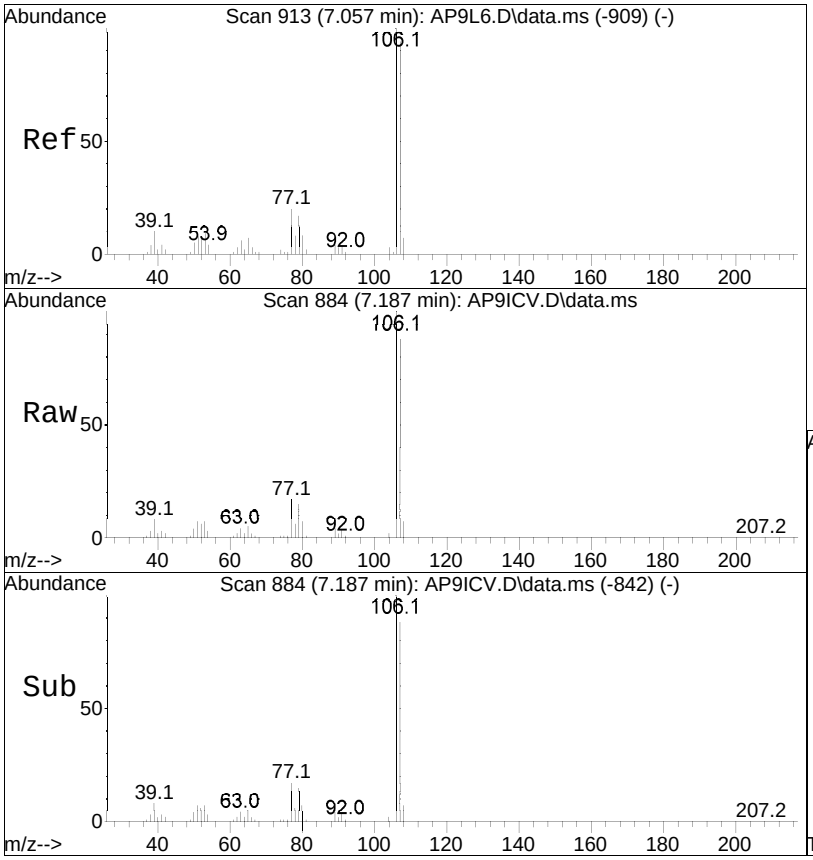


#29
Acetophenone
Concen: 5.32 ug/ml
RT: 7.087 min Scan# 867
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:105 Resp: 169891

Ion	Ratio	Lower	Upper
105	100		
120	18.9	20.5	30.7#
51	27.6	34.9	52.3#

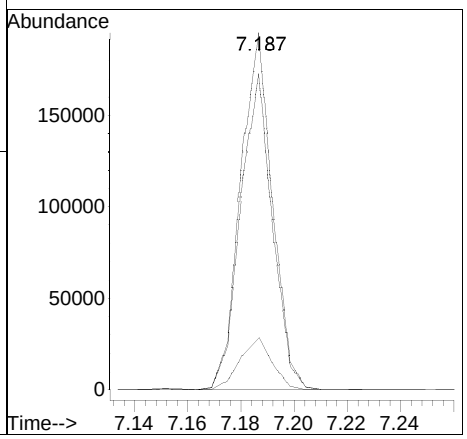


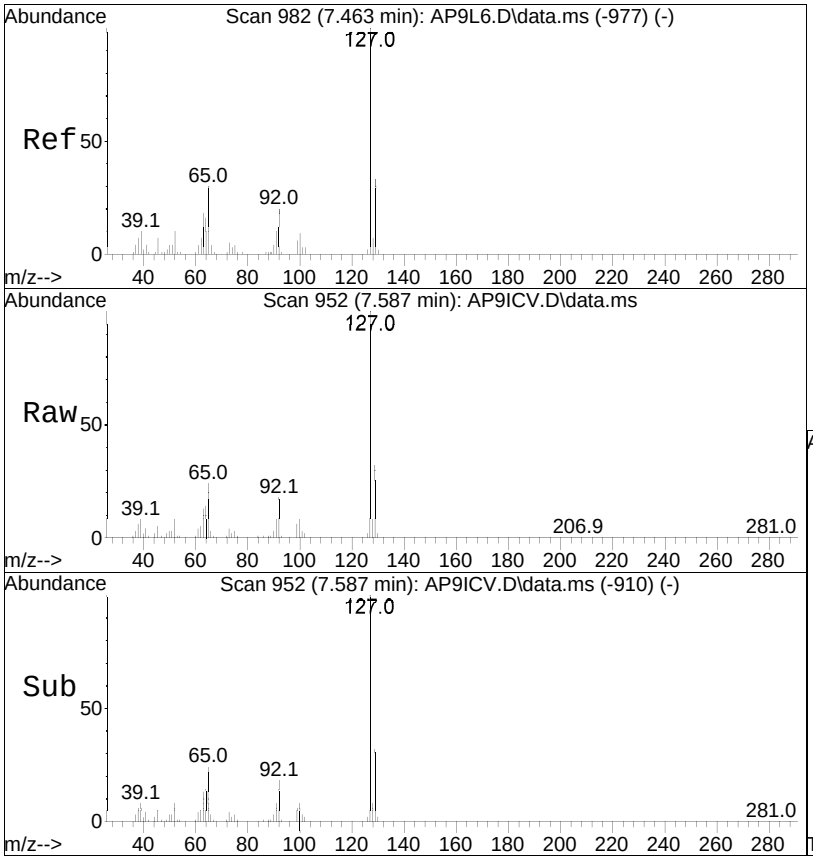


#30
m-Toluidine
Concen: 5.78 ug/ml
RT: 7.187 min Scan# 884
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:106 Resp: 162885

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	14.8	11.8	17.8

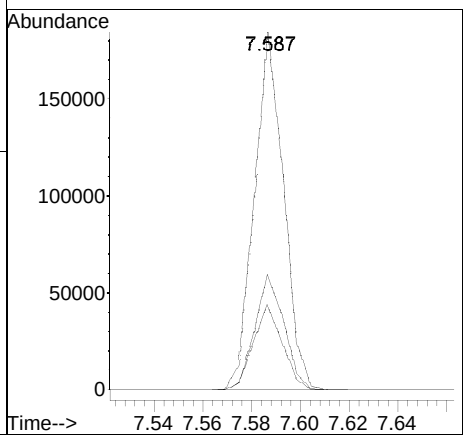


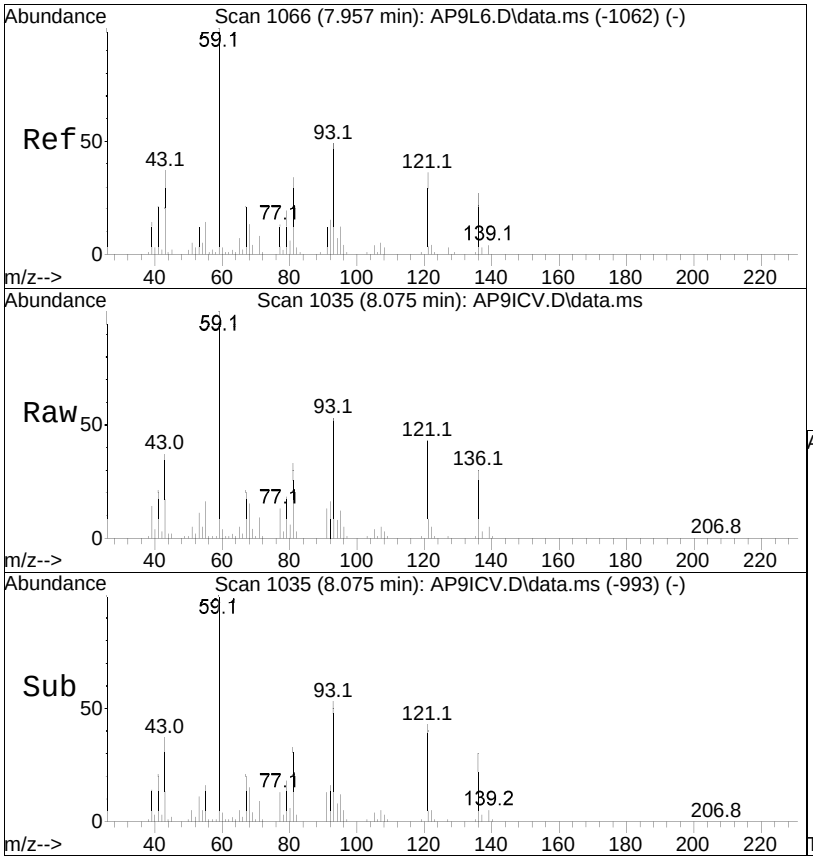


#31
2-Chloroaniline
Concen: 5.41 ug/ml
RT: 7.587 min Scan# 952
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:127 Resp: 151975

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	23.8	26.3	39.5#

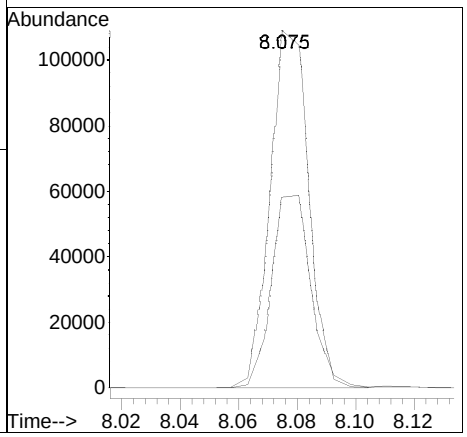


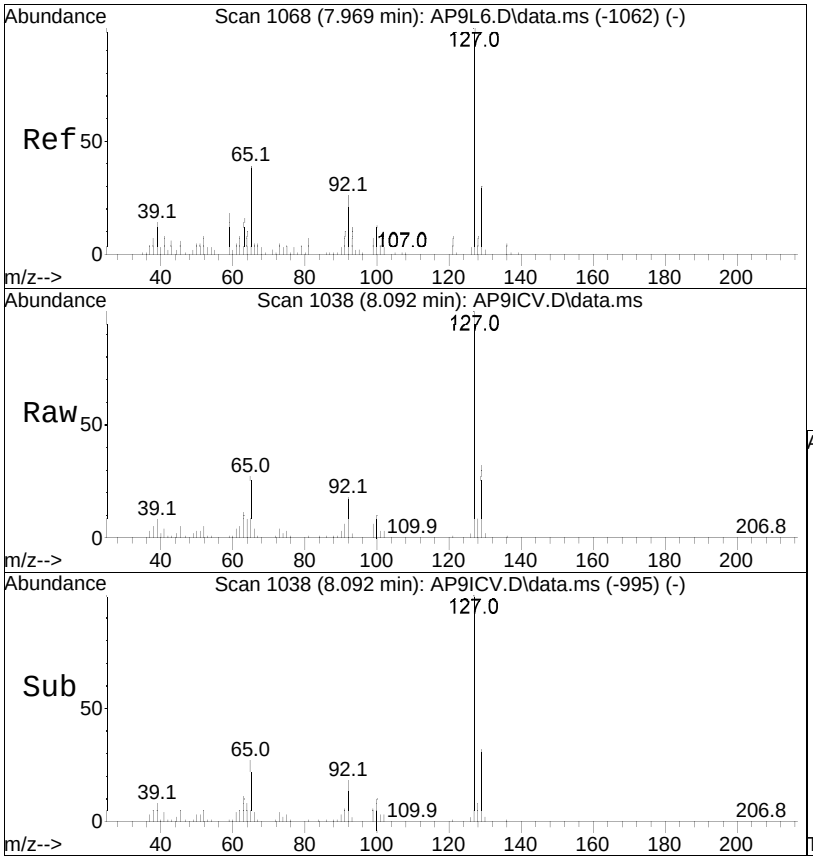


#56
a-Terpineol
Concen: 5.28 ug/ml
RT: 8.075 min Scan# 1035
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 59 Resp: 99379

Ion	Ratio	Lower	Upper
59	100		
93	55.7	35.6	53.4#

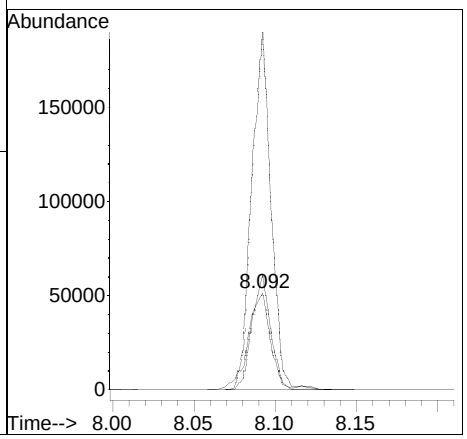


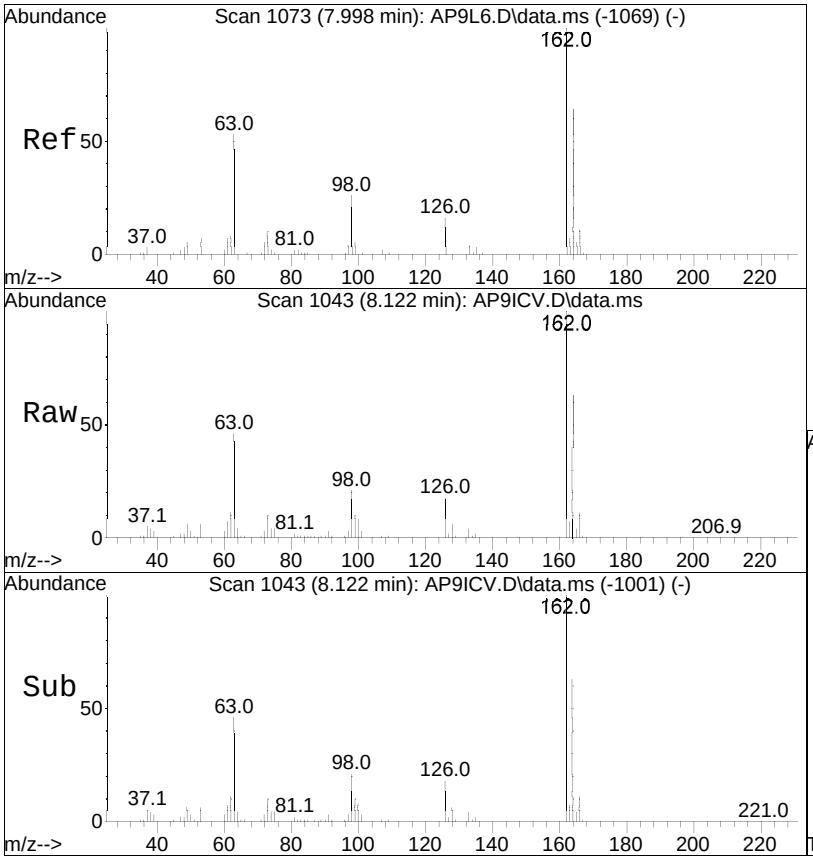


#57
3-Chloroaniline
Concen: 5.65 ug/ml
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 65 Resp: 49908

Ion	Ratio	Lower	Upper
65	100		
127	310.5	243.2	364.8
129	98.1	78.8	118.2

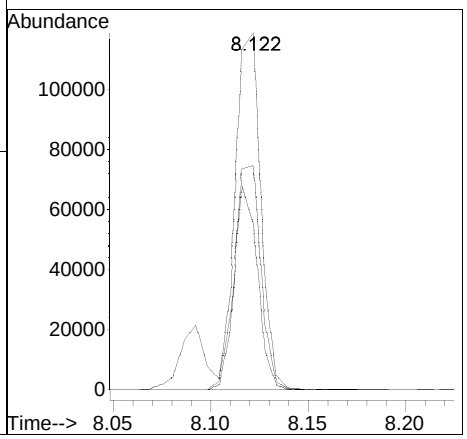


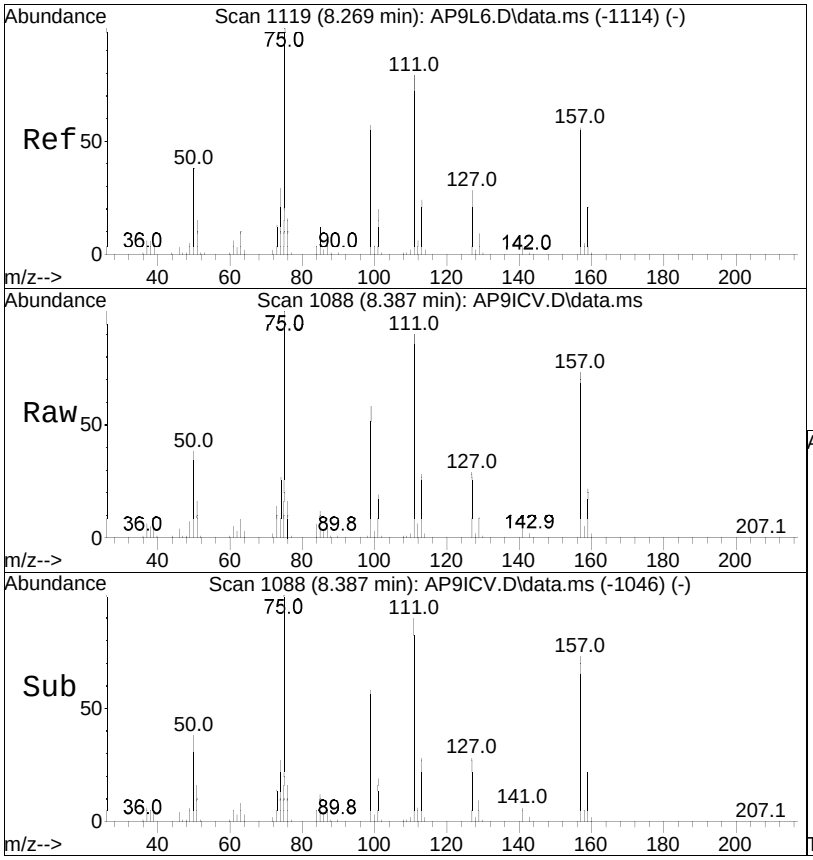


#58
2,6-Dichlorophenol
Concen: 5.46 ug/ml
RT: 8.122 min Scan# 1043
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:162 Resp: 109210

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.1	76.7
63	52.7	60.8	91.2#

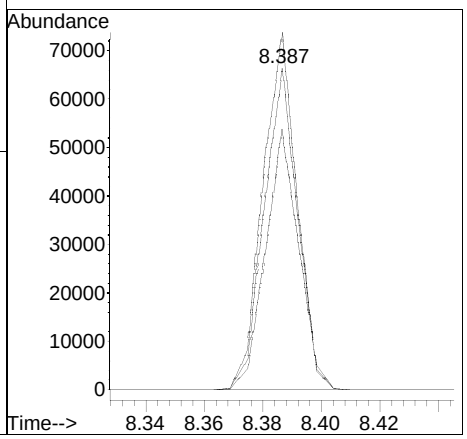


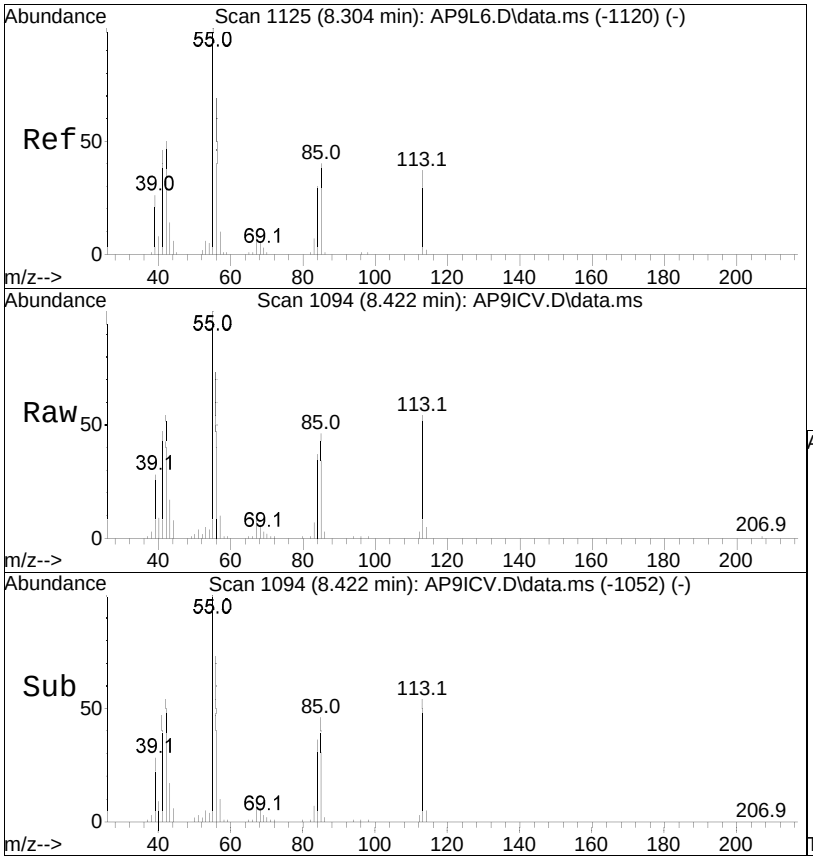


#59
1-chloro-2-nitrobenzene
Concen: 5.42 ug/ml
RT: 8.387 min Scan# 1088
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:111 Resp: 52627

Ion	Ratio	Lower	Upper
111	100		
157	80.3	0.0	0.0#
75	112.7	28.2	42.2#

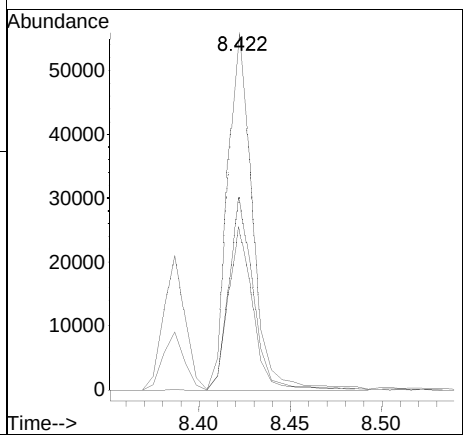


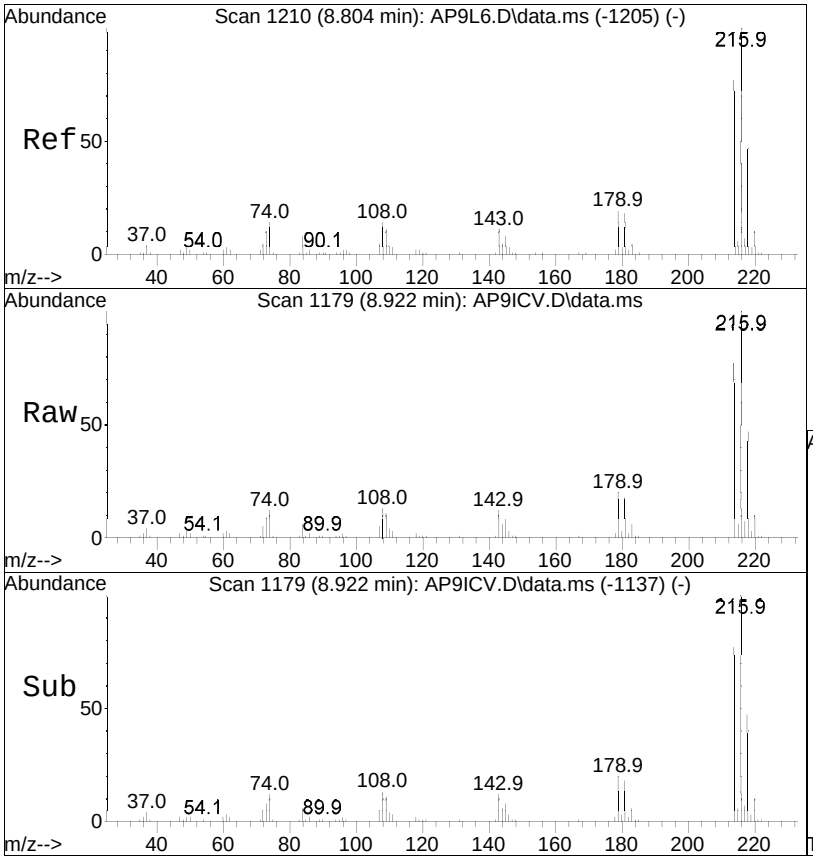


#60
Caprolactam
Concen: 5.42 ug/ml
RT: 8.422 min Scan# 1094
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion: 55 Resp: 53050

Ion	Ratio	Lower	Upper
55	100		
85	45.3	19.8	29.6#
113	53.3	29.6	44.4#

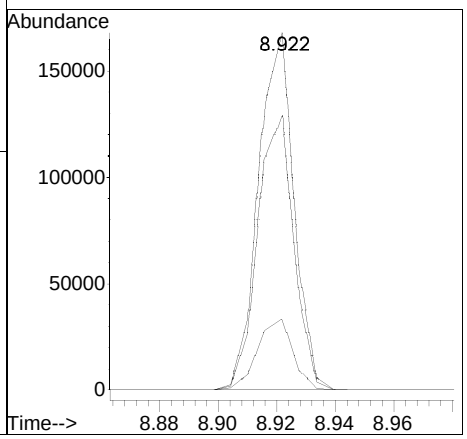


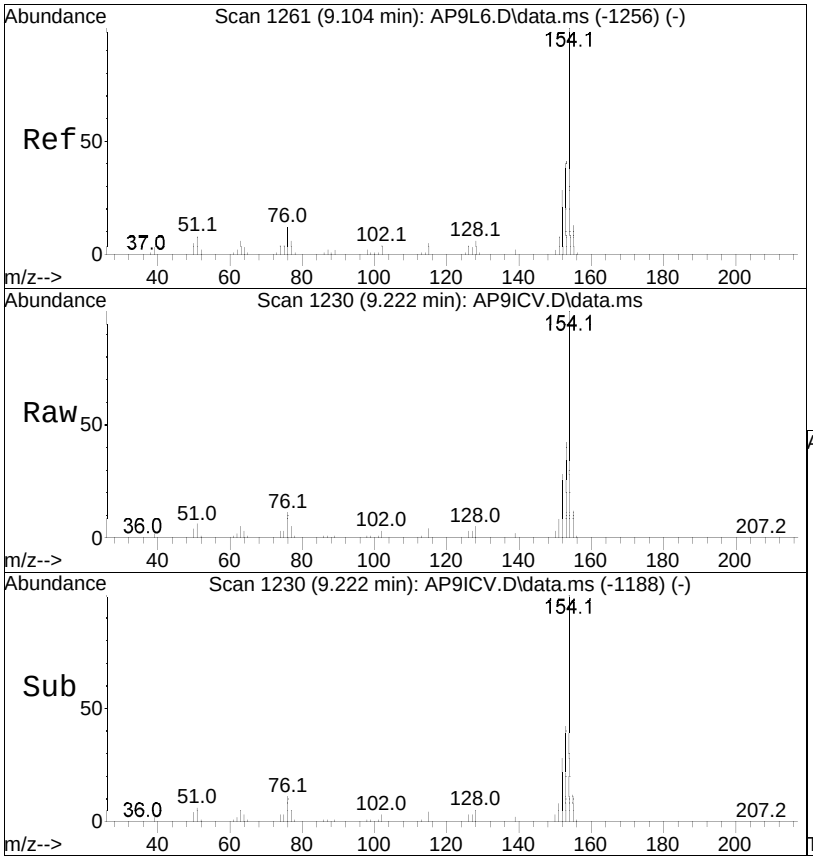


#61
1,2,4,5-Tetrachlorobenzene
Concen: 5.25 ug/ml
RT: 8.922 min Scan# 1179
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:216 Resp: 140652

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.7	95.5
179	20.0	19.0	28.6

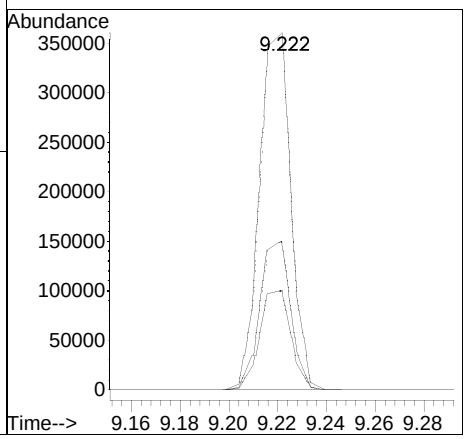


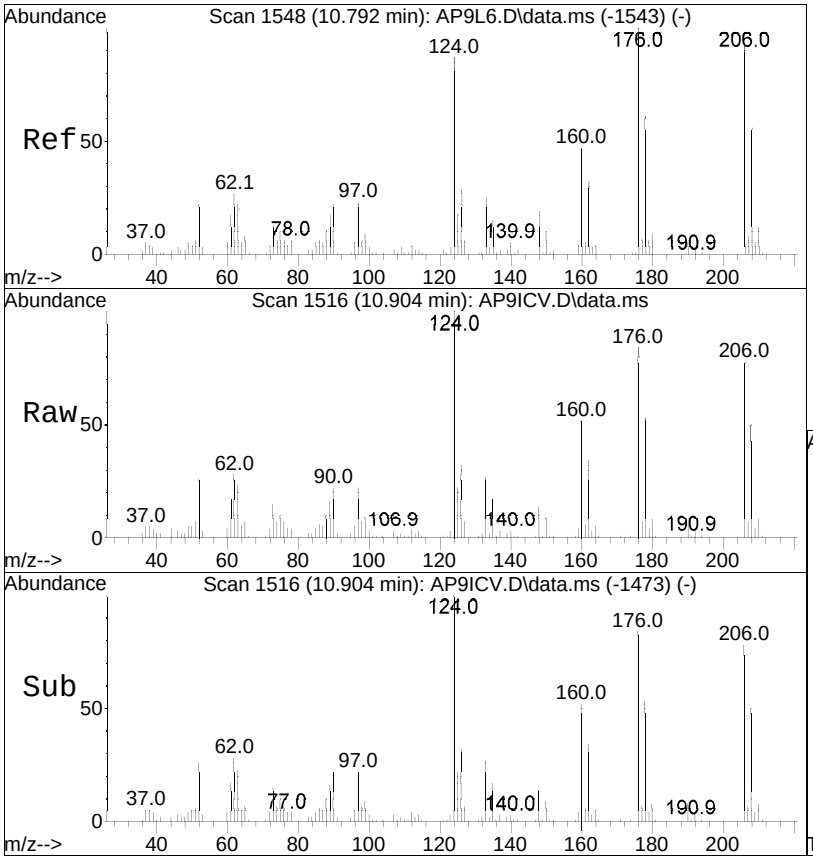


#62
Biphenyl
Concen: 5.29 ug/ml
RT: 9.222 min Scan# 1230
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:154 Resp: 320073

Ion	Ratio	Lower	Upper
154	100		
153	41.1	32.3	48.5
152	28.1	22.5	33.7

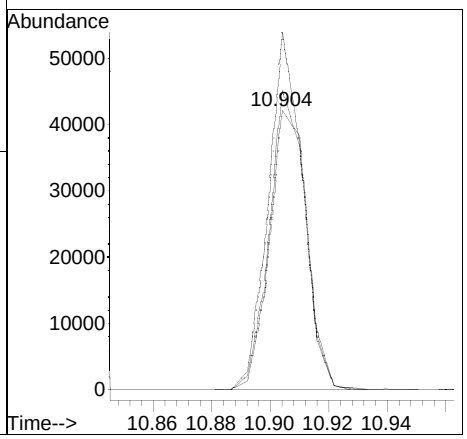


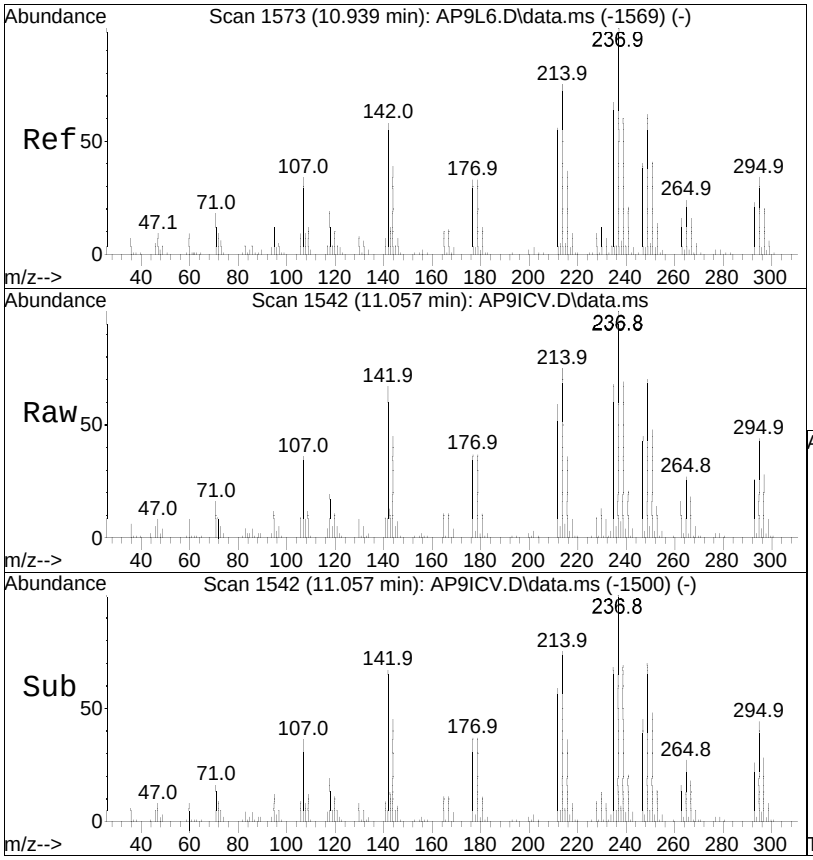


#84
Dichloran
Concen: 5.19 ug/ml
RT: 10.904 min Scan# 1516
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:206 Resp: 37449

Ion	Ratio	Lower	Upper
206	100		
176	103.2	104.6	157.0#
124	116.2	130.5	195.7#

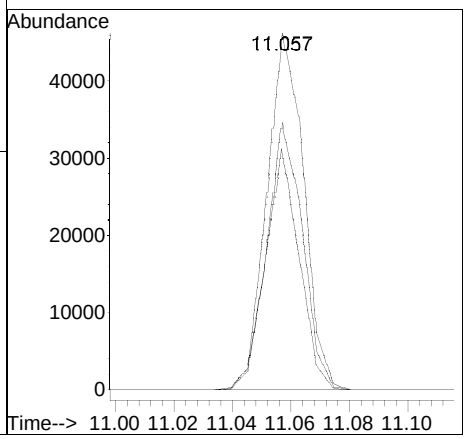


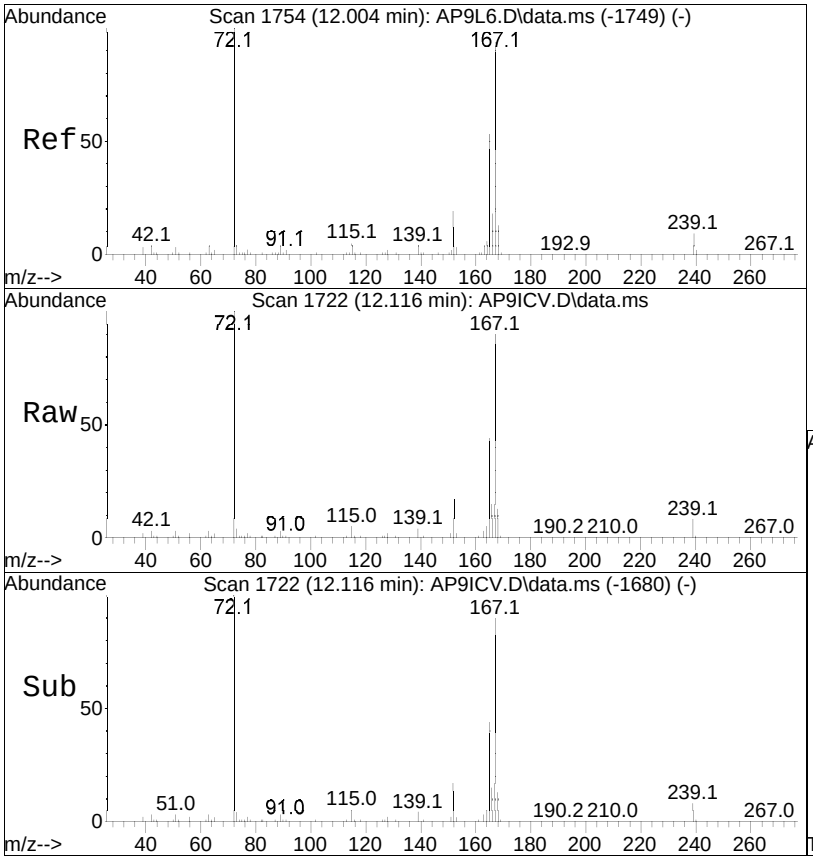


#85
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 11.057 min Scan# 1542
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:237 Resp: 40333

Ion	Ratio	Lower	Upper
237	100		
142	62.1	77.0	115.4#
214	72.7	58.2	87.4

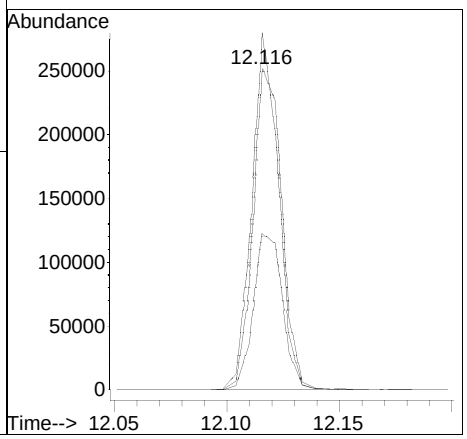




#99
Diphenamid
Concen: 5.41 ug/ml
RT: 12.116 min Scan# 1722
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 10 Oct 2024 3:37 am

Tgt Ion:167 Resp: 221467

Ion	Ratio	Lower	Upper
167	100		
72	103.0	109.7	164.5#
165	50.2	41.8	62.6



Manual Integration Report

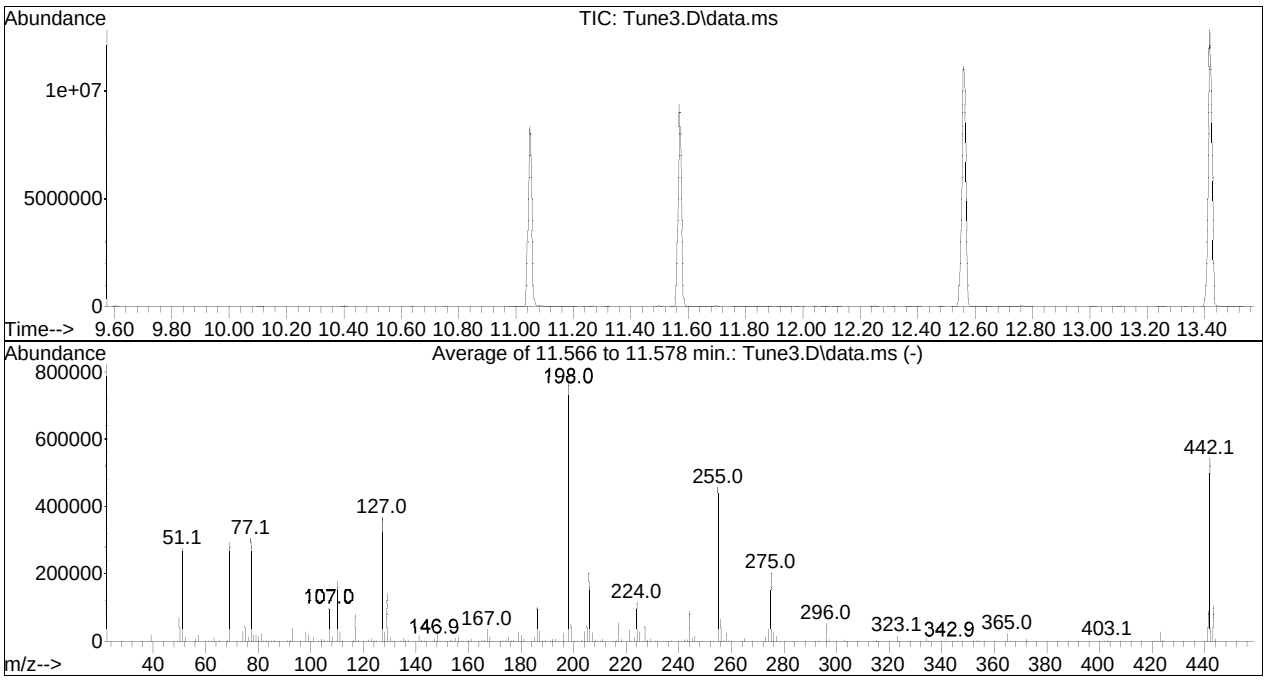
Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: AP9ICV.D	Operator	: SV106:HNY
Date Inj'd	: 10/10/2024 3:37 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 110	Quant Date	: 10/11/2024 12:13 pm

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

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\241009RVTical\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Oct 11 18:38:05 2024



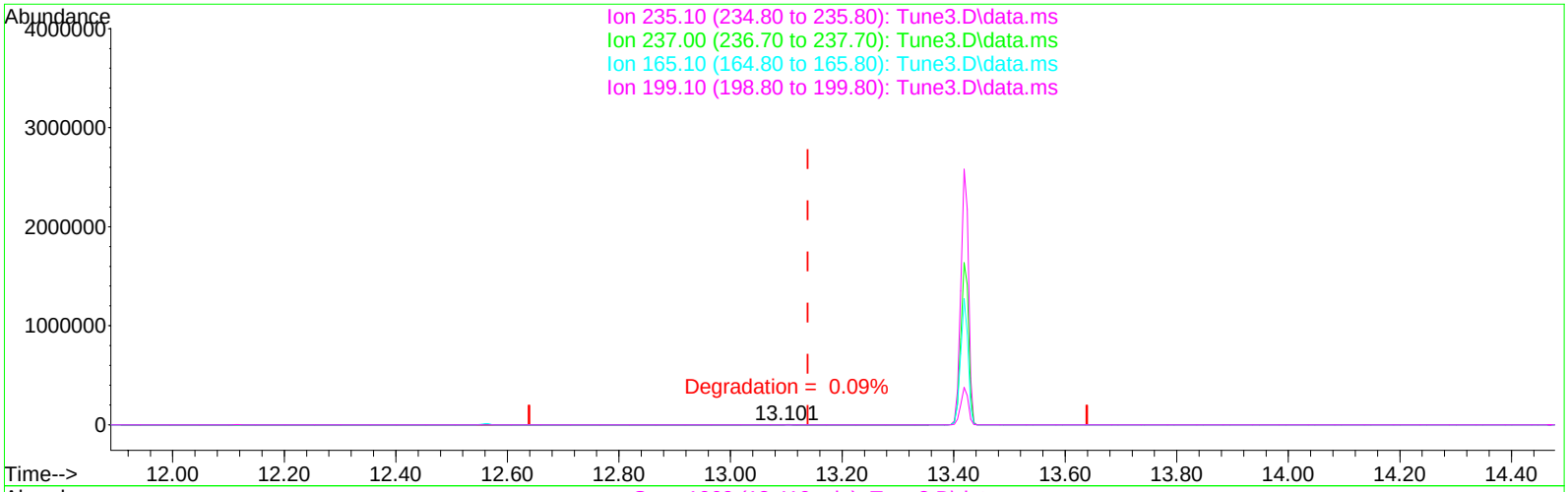
Spectrum Information: Average of 11.566 to 11.578 min.

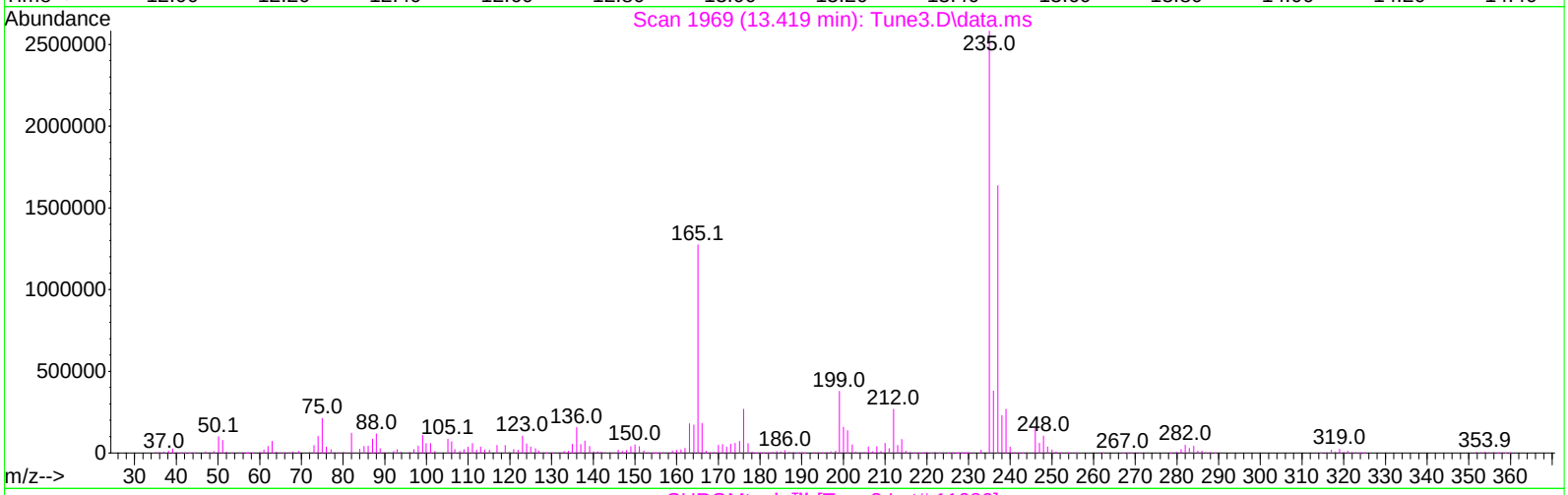
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.1	274715	PASS
68	69	0.00	2	1.6	4747	PASS
69	69	100	100	100.0	292965	PASS
70	69	0.00	2	0.5	1381	PASS
127	198	10	80	46.8	365867	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	782443	PASS
199	198	5	9	6.7	52056	PASS
275	198	10	60	25.8	202091	PASS
365	198	1	100	2.9	22768	PASS
441	442	0.01	24	16.5	89168	PASS
442	198	50	100	69.1	541013	PASS
443	442	15	24	19.3	104563	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(6) DDT (T)

13.419min (+ 0.280) 405.47

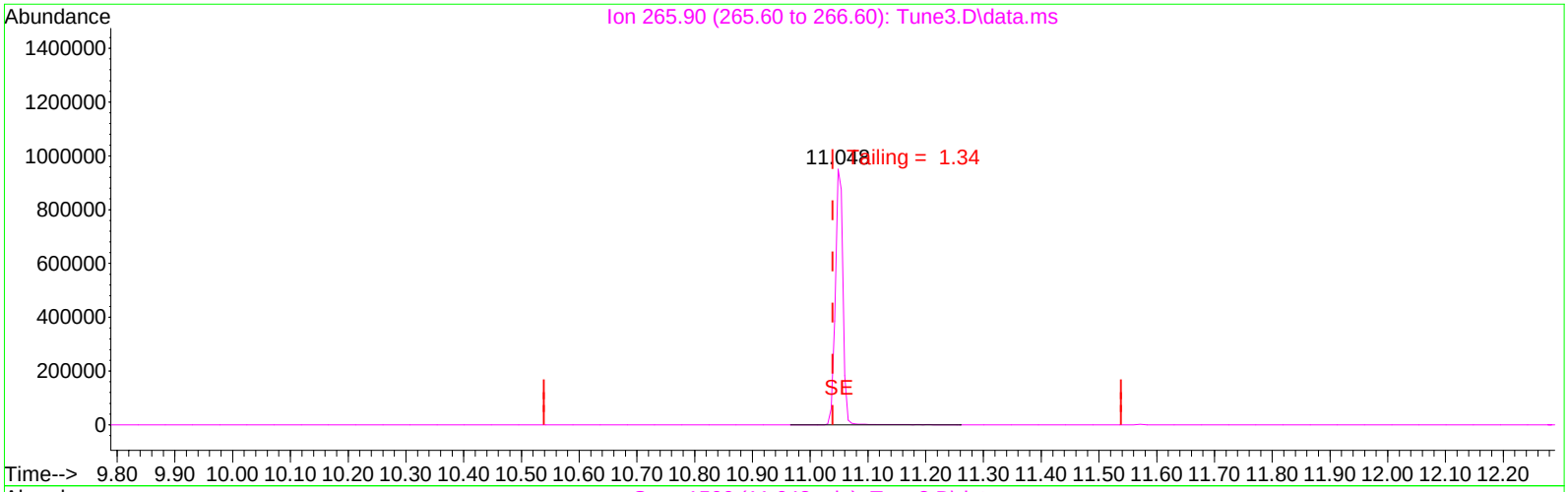
response 2471615

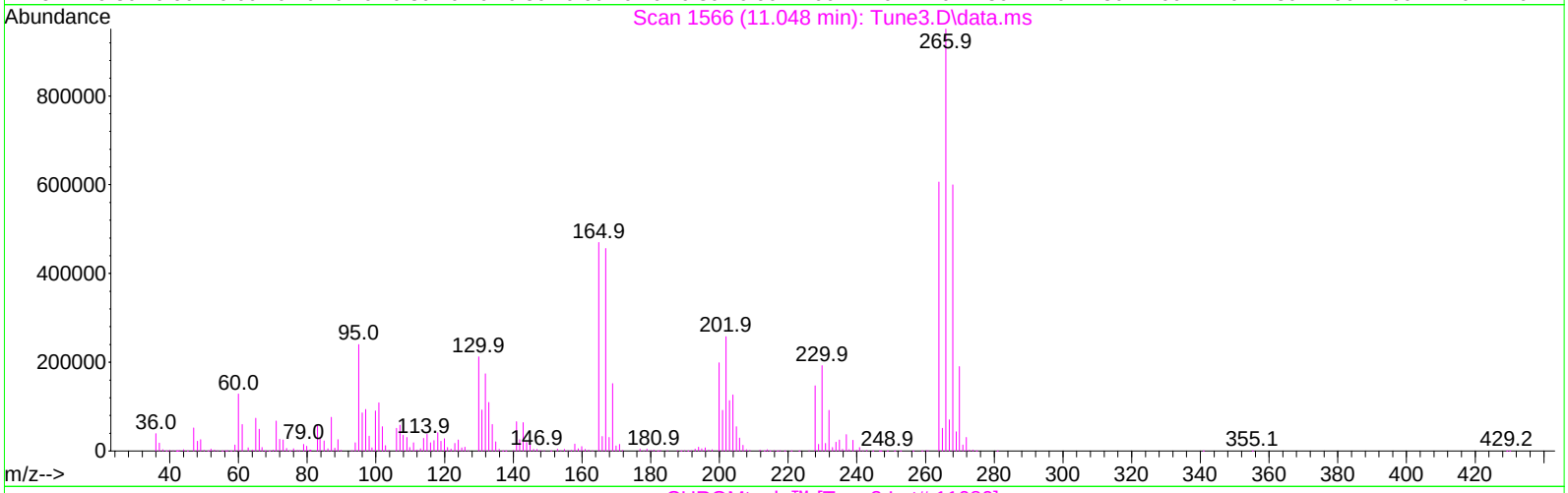
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	63.99
165.10	44.50	47.29
199.10	14.80	14.26

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(1) Pentachlorophenol (T)

11.048min (+ 0.009) 420.41

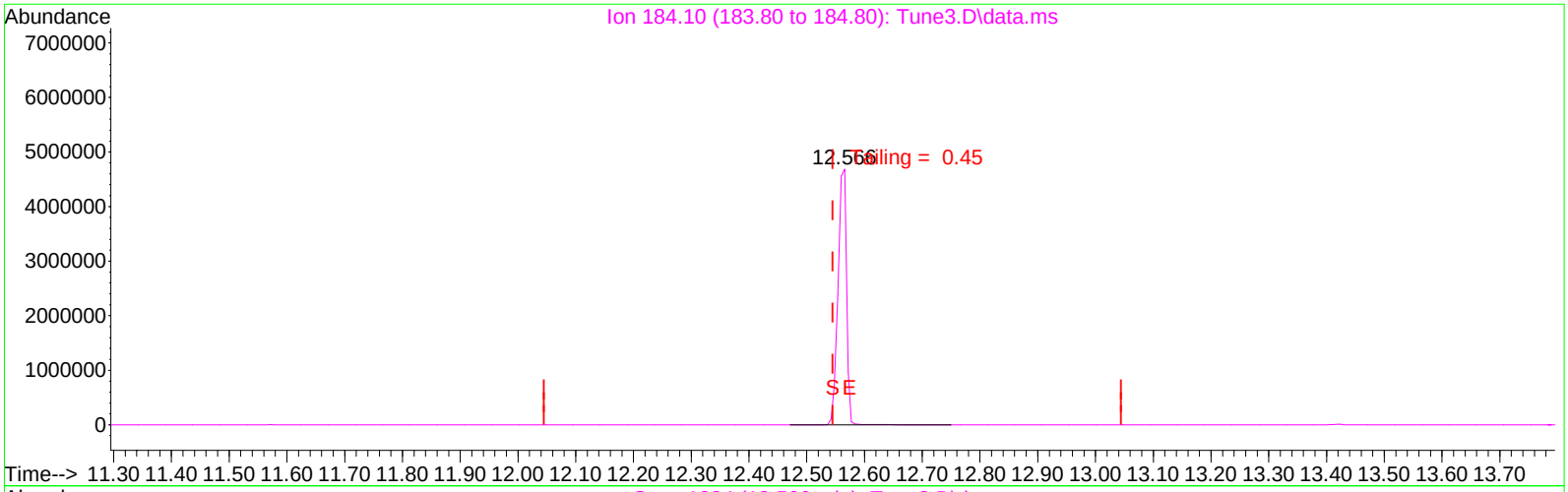
response 883002

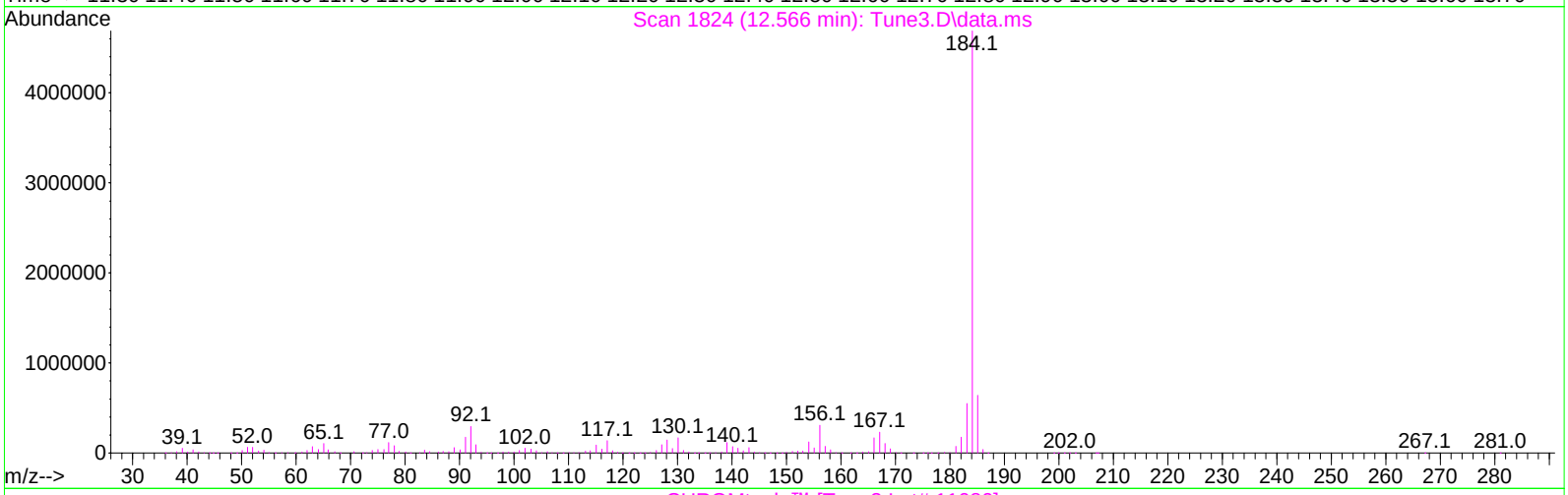
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\241009RVTical\
Data File : Tune3.D
Acq On : 11 Oct 2024 12:20 pm
Operator : SV106:HNY
Sample : Tune3 Lot# 11080
Misc : WG1984388
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Oct 11 17:51:31 2024
Quant Method : I:\8270\SV106\241011RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 17:52:57 2024
Response via : Initial Calibration





CHROMtools™ [Tune3 Lot# 11080]

(3) Benzidine (T)

12.566min (+ 0.021) 470.83

response 4793063

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL9.D
Acq On : 11 Oct 2024 12:44 pm
Operator : SV106:HNY
Sample : IL2,32,,ADPL50 Lot# 11022
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 18:38:42 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	77314	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 92.07%			
86) IS3_Acenaphthene-d10	9.772	164	172330	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 97.09%			
100) IS3_Phenanthrene-d10	11.213	188	347488	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 98.21%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.008	88	449898	47.947	ug/ml#	74
34) n-Decane	6.490	57	1465533	51.028	ug/ml#	42
87) Atrazine	10.989	200	995667	55.687	ug/ml	95
101) n-Octadecane	11.183	57	2256366	53.507	ug/ml#	1
102) Parathion	12.007	109	681058	49.562	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.307	212	4168031	58.458	ug/ml	99

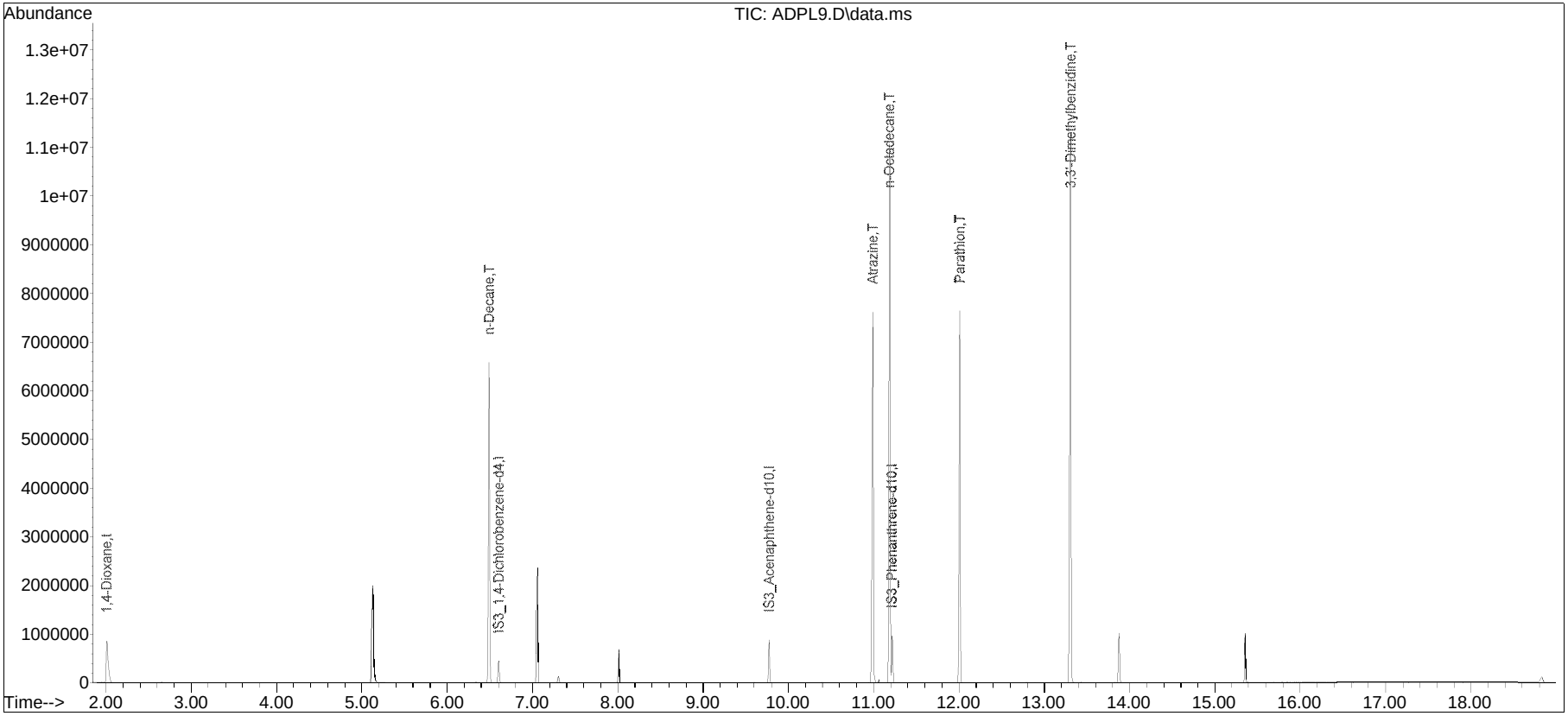
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL9.D
Acq On : 11 Oct 2024 12:44 pm
Operator : SV106:HNY
Sample : IL2,32,,ADPL50 Lot# 11022
Misc : WG1984388
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 11 18:38:42 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL9.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 12:44 pm	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 11022	Quant Date	: 10/11/2024 6:40 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL8.D
Acq On : 11 Oct 2024 1:07 pm
Operator : SV106:HNY
Sample : IL3,32,,ADPL25 Lot# 11023
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:38:31 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79483	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 94.65%			
86) IS3_Acenaphthene-d10	9.772	164	171838	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 96.81%			
100) IS3_Phenanthrene-d10	11.213	188	349936	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 98.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	226490	23.479	ug/ml#	75
34) n-Decane	6.489	57	729617	24.711	ug/ml#	42
87) Atrazine	10.983	200	485050	27.206	ug/ml	96
101) n-Octadecane	11.183	57	1120938	26.396	ug/ml#	1
102) Parathion	12.001	109	317731	26.192	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.301	212	2096004	29.191	ug/ml	99

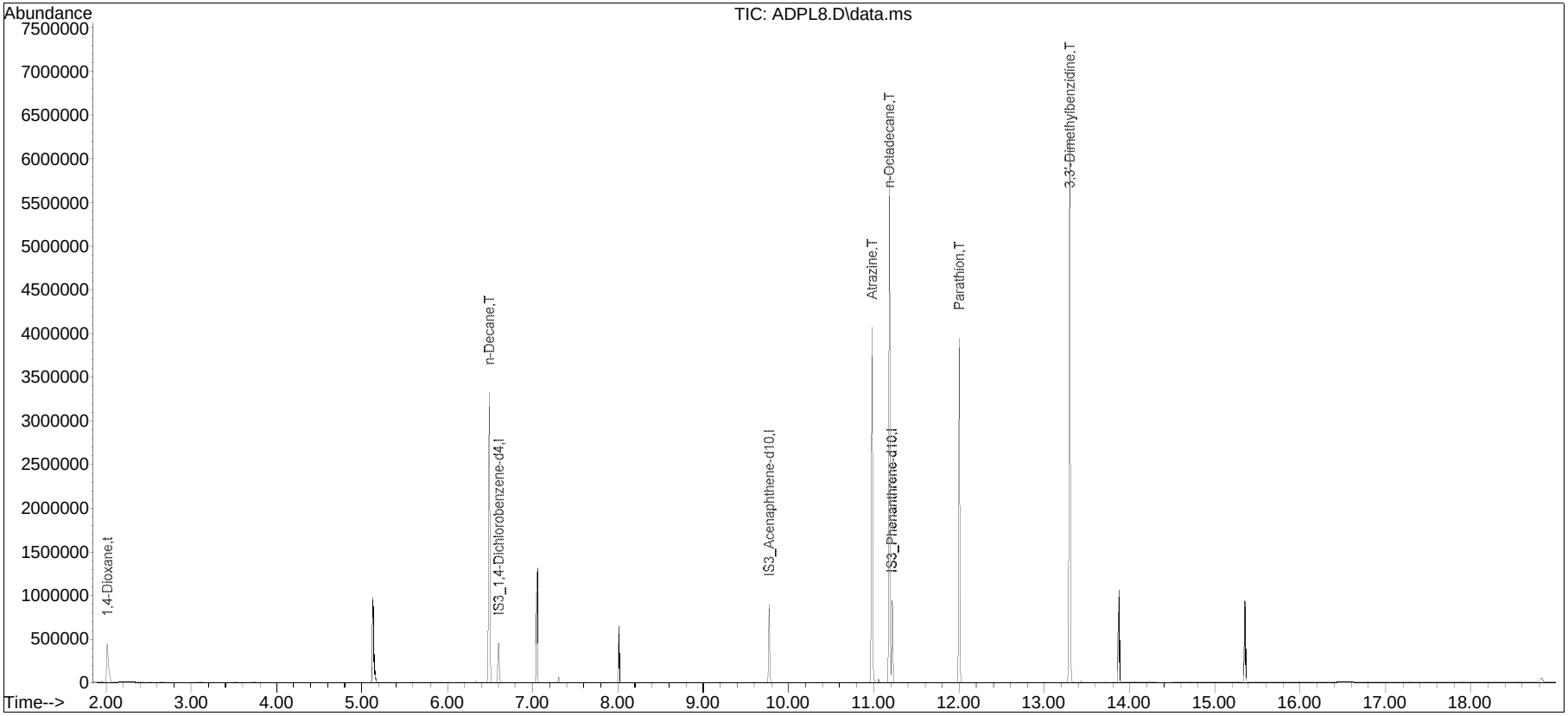
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL8.D
Acq On : 11 Oct 2024 1:07 pm
Operator : SV106:HNY
Sample : IL3,32,,ADPL25 Lot# 11023
Misc : WG1984388
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 11 18:38:31 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL8.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:07 pm	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 11023	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL7.D
Acq On : 11 Oct 2024 1:31 pm
Operator : SV106:HNY
Sample : IL4,32,,ADPL10 Lot# 11024
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 18:38:20 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79632	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 94.83%			
86) IS3_Acenaphthene-d10	9.772	164	168371	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 94.86%			
100) IS3_Phenanthrene-d10	11.213	188	340889	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 96.34%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	91898	9.509	ug/ml#	76
34) n-Decane	6.489	57	296110	10.010	ug/ml#	42
87) Atrazine	10.977	200	177424	10.156	ug/ml	95
101) n-Octadecane	11.183	57	427042	10.323	ug/ml#	1
102) Parathion	12.001	109	106886	10.070	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	763576	10.917	ug/ml	99

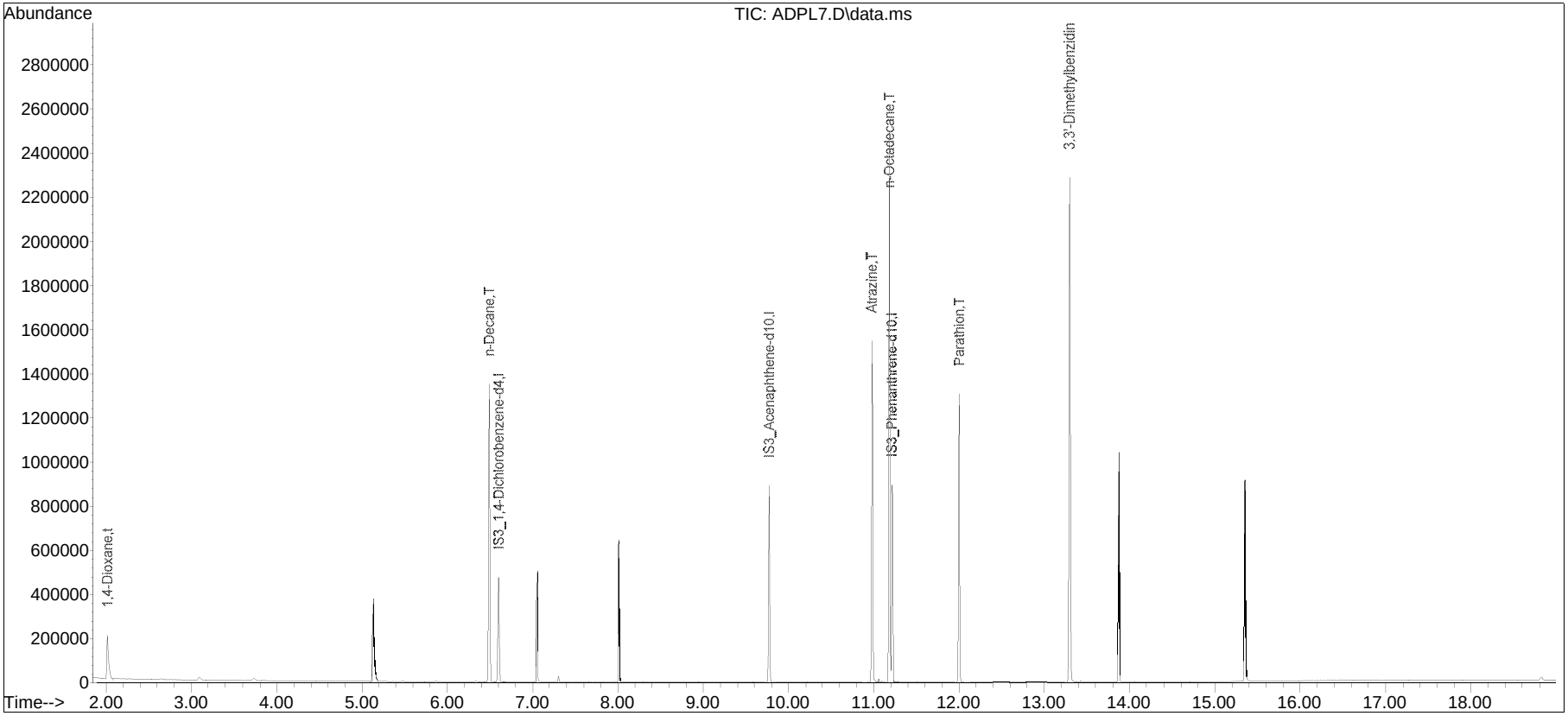
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL7.D
Acq On : 11 Oct 2024 1:31 pm
Operator : SV106:HNY
Sample : IL4,32,,ADPL10 Lot# 11024
Misc : WG1984388
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 11 18:38:20 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL7.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:31 pm	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 11024	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL6.D
Acq On : 11 Oct 2024 1:55 pm
Operator : SV106:HNY
Sample : IL5,32,,ADPL5 Lot# 11025
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 18:38:09 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	83977	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.772	164	177498	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.213	188	353826	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.013	88	41456	4.068	ug/ml#	73
34) n-Decane	6.490	57	133134	4.268	ug/ml#	42
87) Atrazine	10.978	200	87448	4.748	ug/ml	95
101) n-Octadecane	11.183	57	213685	4.976	ug/ml#	1
102) Parathion	11.995	109	45931	4.395	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	330565	4.553	ug/ml	99

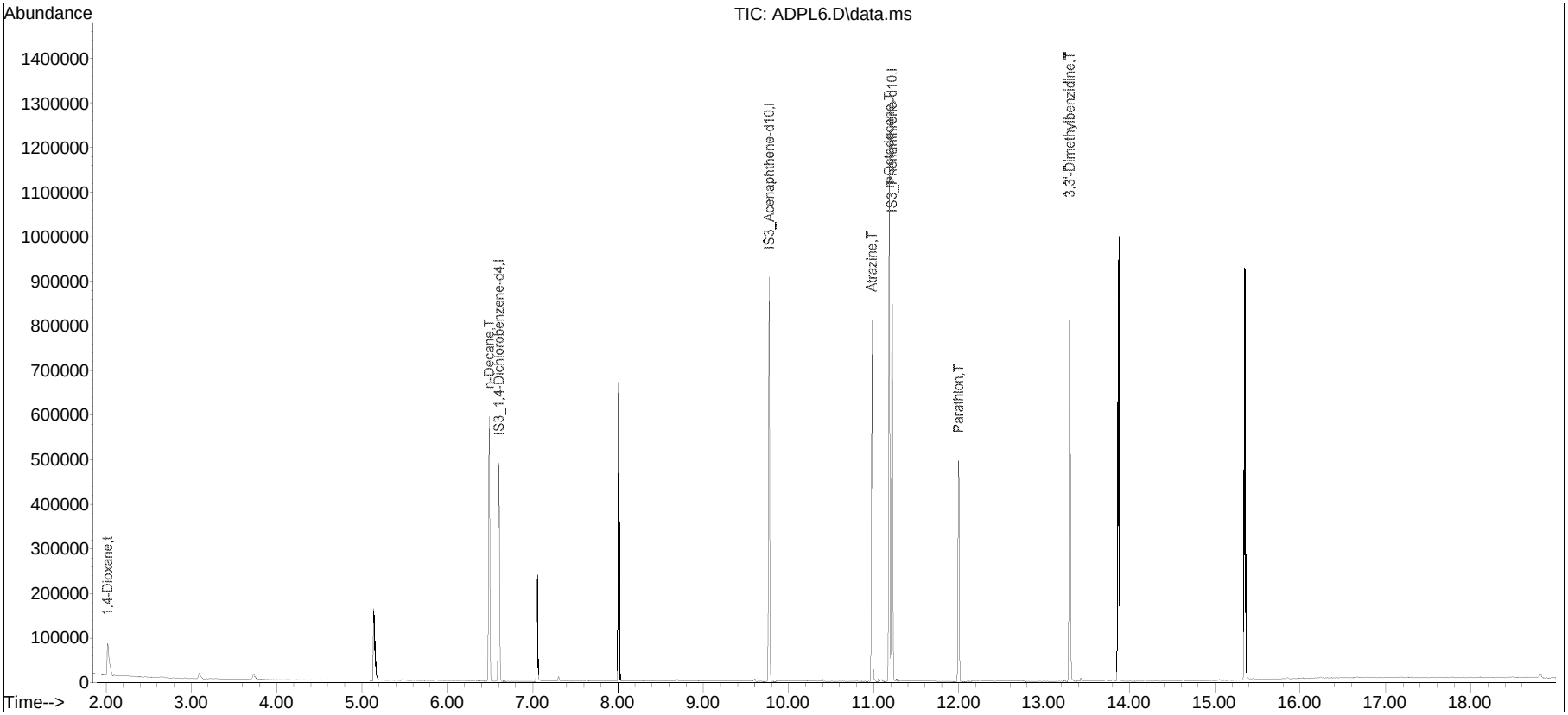
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL6.D
Acq On : 11 Oct 2024 1:55 pm
Operator : SV106:HNY
Sample : IL5,32,,ADPL5 Lot# 11025
Misc : WG1984388
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 11 18:38:09 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL6.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 1:55 pm	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11025	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL5.D
Acq On : 11 Oct 2024 2:18 pm
Operator : SV106:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11026
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 18:37:58 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	81139	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 96.62%			
86) IS3_Acenaphthene-d10	9.772	164	168837	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 95.12%			
100) IS3_Phenanthrene-d10	11.213	188	341165	4.000	ug/ml	# 0.00
Standard Area 1 = 353826			Recovery = 96.42%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	22249	2.259	ug/ml#	76
34) n-Decane	6.490	57	71357	2.367	ug/ml#	43
87) Atrazine	10.977	200	42829	2.445	ug/ml	95
101) n-Octadecane	11.183	57	102021	2.464	ug/ml#	1
102) Parathion	11.995	109	20596	2.136	ug/ml	95
103) 3,3'-Dimethylbenzidine	13.295	212	149664	2.138	ug/ml	99

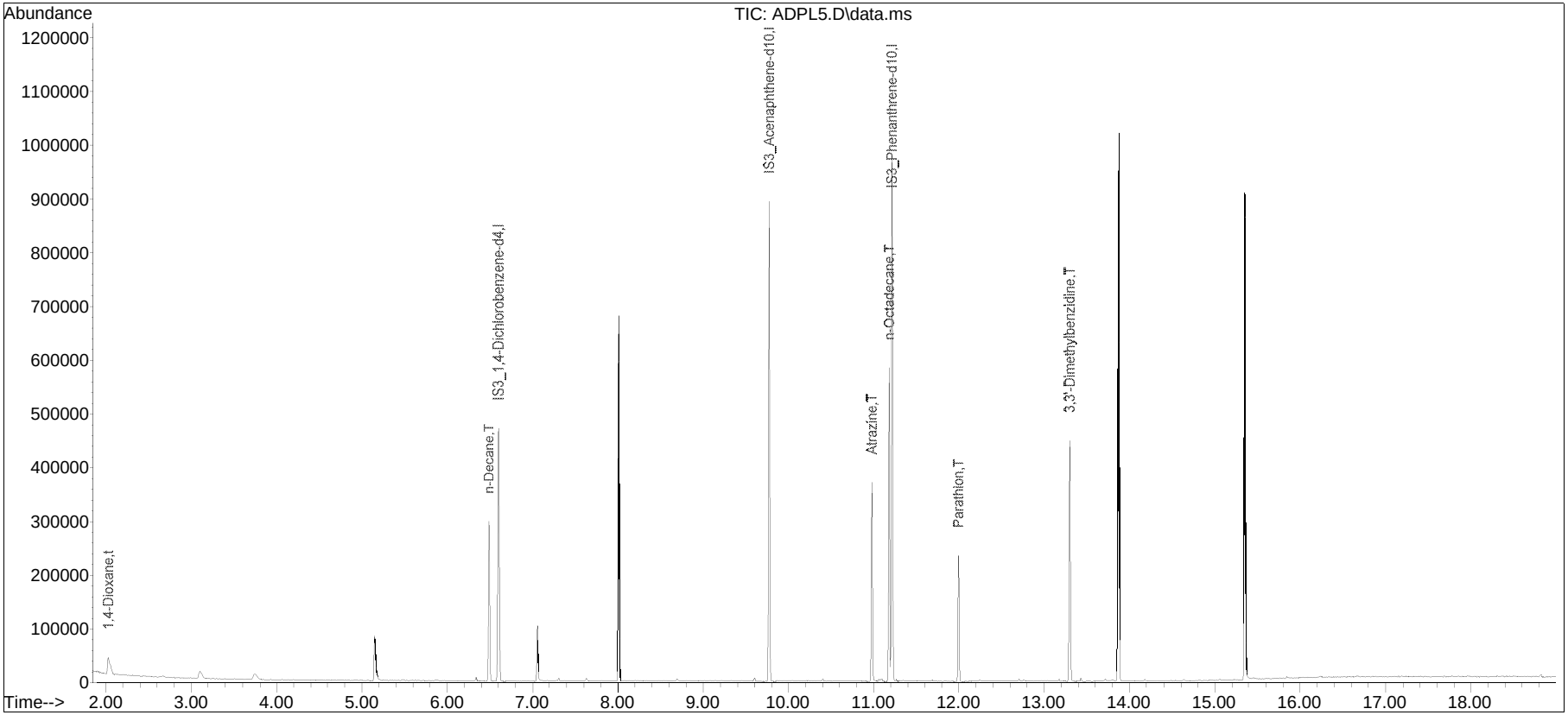
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL5.D
Acq On : 11 Oct 2024 2:18 pm
Operator : SV106:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11026
Misc : WG1984388
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 18:37:58 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL5.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 2:18 pm	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 11026	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL4.D
Acq On : 11 Oct 2024 2:42 pm
Operator : SV106:HNY
Sample : IL7,32,,ADPL1 Lot# 11027
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 18:37:47 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	84735	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	100.90%		
86) IS3_Acenaphthene-d10	9.772	164	180291	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	101.57%		
100) IS3_Phenanthrene-d10	11.213	188	366685	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	103.63%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.019	88	12868	1.251	ug/ml#	78
34) n-Decane	6.489	57	40689	1.293	ug/ml#	42
87) Atrazine	10.977	200	21547	1.152	ug/ml	92
101) n-Octadecane	11.183	57	52423	1.178	ug/ml#	1
102) Parathion	11.995	109	10400	1.071	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.295	212	73345	0.975	ug/ml	99

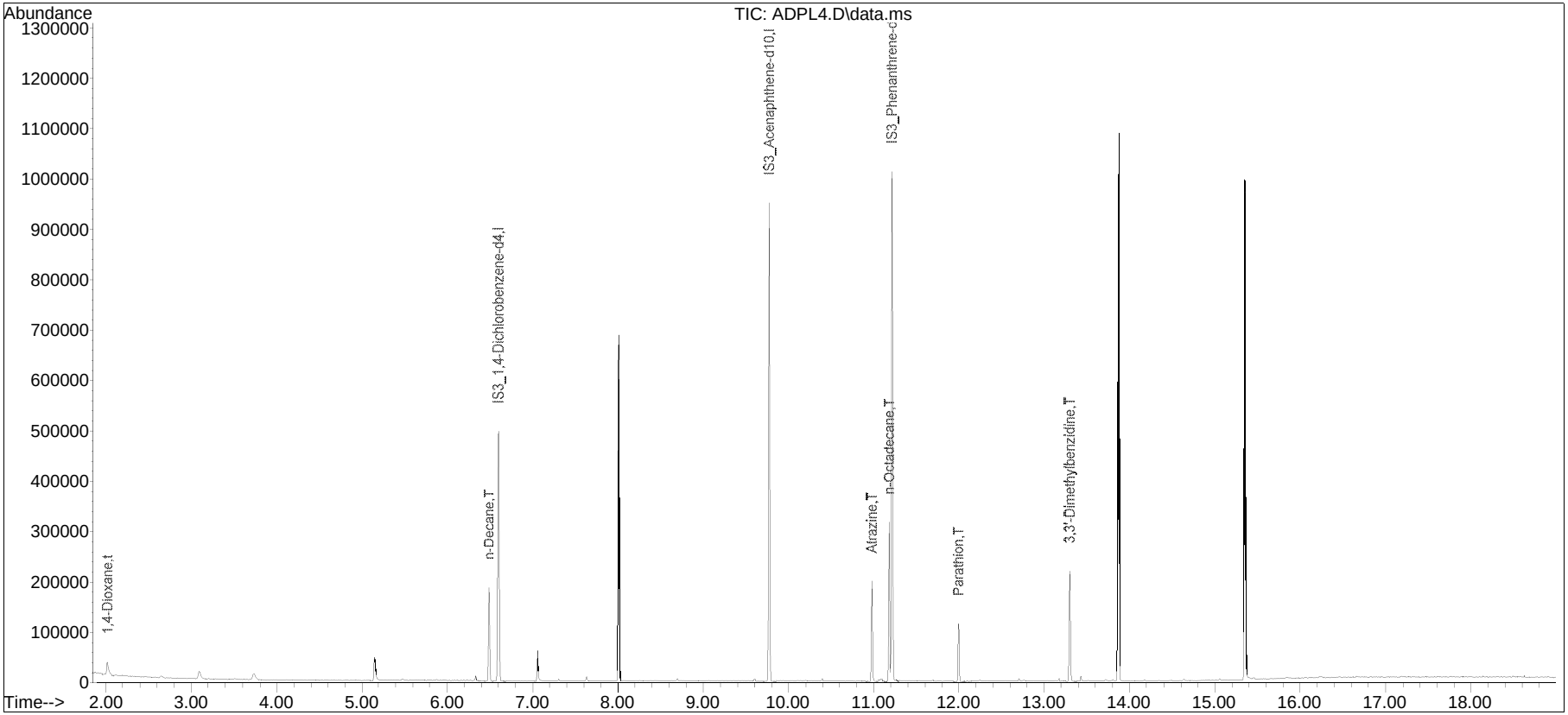
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL4.D
Acq On : 11 Oct 2024 2:42 pm
Operator : SV106:HNY
Sample : IL7,32,,ADPL1 Lot# 11027
Misc : WG1984388
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 18:37:47 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL4.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 2:42 pm	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11027	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL3.D
Acq On : 11 Oct 2024 3:06 pm
Operator : SV106:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11028
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 18:37:37 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	91857	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery =	109.38%		
86) IS3_Acenaphthene-d10	9.772	164	194378	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery =	109.51%		
100) IS3_Phenanthrene-d10	11.213	188	393088	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery =	111.10%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	5172	0.464	ug/ml#	75
34) n-Decane	6.490	57	15097	0.442	ug/ml#	41
87) Atrazine	10.977	200	8023	0.398	ug/ml#	90
101) n-Octadecane	11.183	57	18924	0.397	ug/ml#	1
102) Parathion	11.995	109	3743	0.437	ug/ml	89
103) 3,3'-Dimethylbenzidine	13.295	212	21912	0.272	ug/ml	98

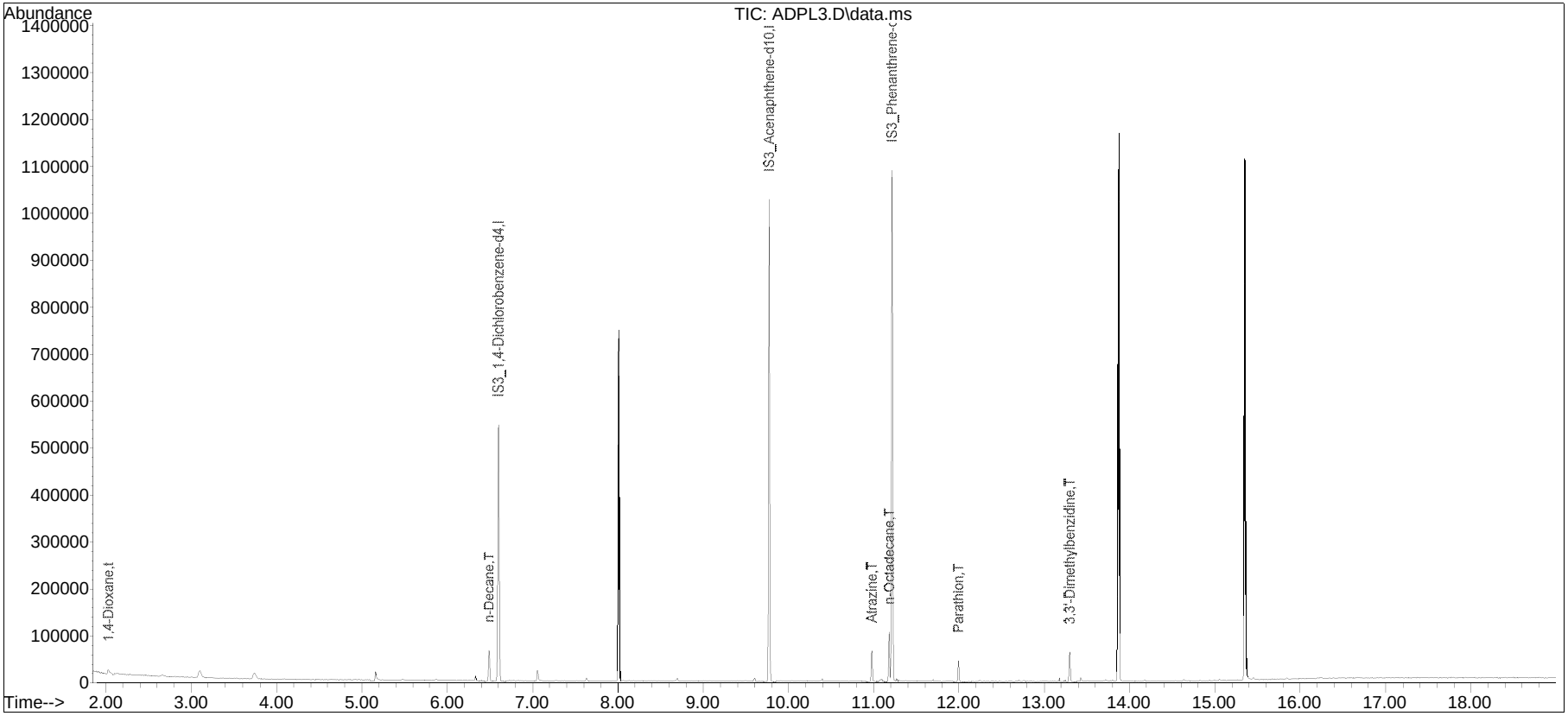
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL3.D
Acq On : 11 Oct 2024 3:06 pm
Operator : SV106:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11028
Misc : WG1984388
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 11 18:37:37 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL3.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:06 pm	Instrument	: SV 106
Sample	: IL8,32,,ADPL0.5 Lot# 11028	Quant Date	: 10/11/2024 6:39 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL2.D
Acq On : 11 Oct 2024 3:29 pm
Operator : SV106:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11029
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 18:37:27 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	78513	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 93.49%			
86) IS3_Acenaphthene-d10	9.772	164	165260	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 93.11%			
100) IS3_Phenanthrene-d10	11.213	188	331195	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 93.60%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.025	88	2391	0.251	ug/ml#	86
34) n-Decane	6.489	57	5903	0.202	ug/ml#	40
87) Atrazine	10.977	200	3111	0.181	ug/ml	92
101) n-Octadecane	11.183	57	7149	0.178	ug/ml#	1
102) Parathion	11.995	109	1374	0.255	ug/ml	86
103) 3,3'-Dimethylbenzidine	13.295	212	7380	0.109	ug/ml	98

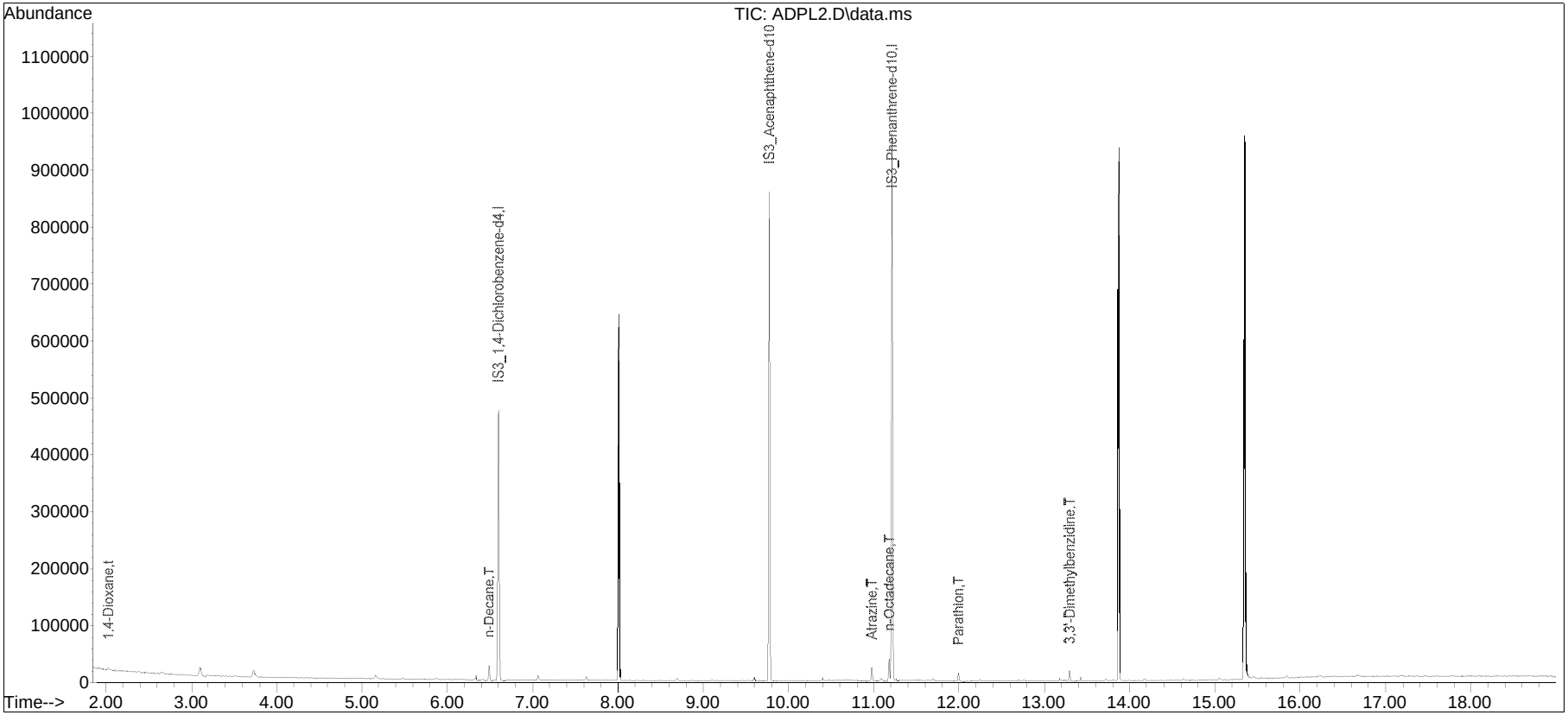
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL2.D
Acq On : 11 Oct 2024 3:29 pm
Operator : SV106:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11029
Misc : WG1984388
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 11 18:37:27 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL2.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:29 pm	Instrument	: SV 106
Sample	: IL9,32,,ADPL0.2 Lot# 11029	Quant Date	: 10/11/2024 6:38 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL1.D
Acq On : 11 Oct 2024 3:53 pm
Operator : SV106:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11030
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 18:37:16 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	79565	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 94.75%			
86) IS3_Acenaphthene-d10	9.772	164	172907	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 97.41%			
100) IS3_Phenanthrene-d10	11.213	188	339068	4.000	ug/ml	0.00
Standard Area 1 = 353826			Recovery = 95.83%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.019	88	2741	0.284	ug/ml	96
34) n-Decane	6.490	57	6338	0.214	ug/ml#	41
87) Atrazine	10.977	200	2926	0.163	ug/ml	97
101) n-Octadecane	11.183	57	6808	0.165	ug/ml#	1
102) Parathion	11.995	109	1594	0.274	ug/ml#	84
103) 3,3'-Dimethylbenzidine	13.289	212	7116	0.102	ug/ml	99

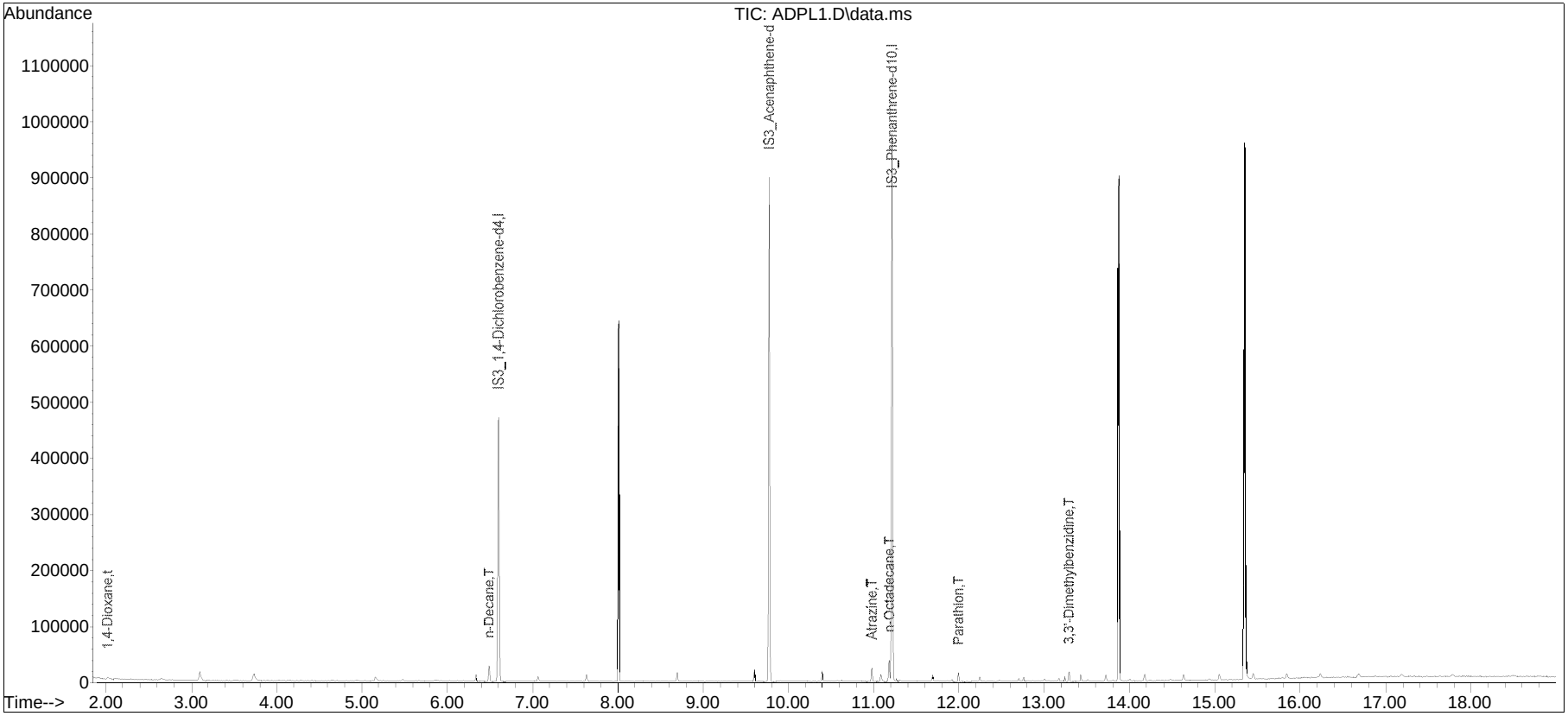
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPL1.D
Acq On : 11 Oct 2024 3:53 pm
Operator : SV106:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11030
Misc : WG1984388
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 11 18:37:16 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPL1.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 3:53 pm	Instrument	: SV 106
Sample	: IL10,32,,ADPL0.1 Lot# 1103	Quant Date	: 10/11/2024 6:38 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	83	0.00
33	t	1,4-Dioxane		0.485	0.475	2.1	100	0.00
34	T	n-Decane		1.486	1.563	-5.2	102	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	85	0.00
87	T	Atrazine		0.415	0.328	21.0#	71	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
101	T	n-Octadecane		0.485	0.485	0.0	82	0.00
102	T	Parathion	*	5.000	3.976	20.5	73	0.00
103	T	3,3'-Dimethylbenzidine		0.821	0.594	27.6#	65	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\241011RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.601	152	69792	4.000	ug/ml	0.00
Standard Area 1 = 83977			Recovery = 83.11%			
86) IS3_Acenaphthene-d10	9.772	164	150496	4.000	ug/ml	0.00
Standard Area 1 = 177498			Recovery = 84.79%			
100) IS3_Phenanthrene-d10	11.213	188	287401	4.000	ug/ml	# 0.00
Standard Area 1 = 353826			Recovery = 81.23%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	2.008	88	41435	4.892	ug/ml#	75
34) n-Decane	6.490	57	136314	5.258	ug/ml#	43
87) Atrazine	10.978	200	61696	3.951	ug/ml	96
101) n-Octadecane	11.183	57	174193	4.994	ug/ml#	1
102) Parathion	11.995	109	33558	3.976	ug/ml	97
103) 3,3'-Dimethylbenzidine	13.295	212	213312	3.617	ug/ml	99

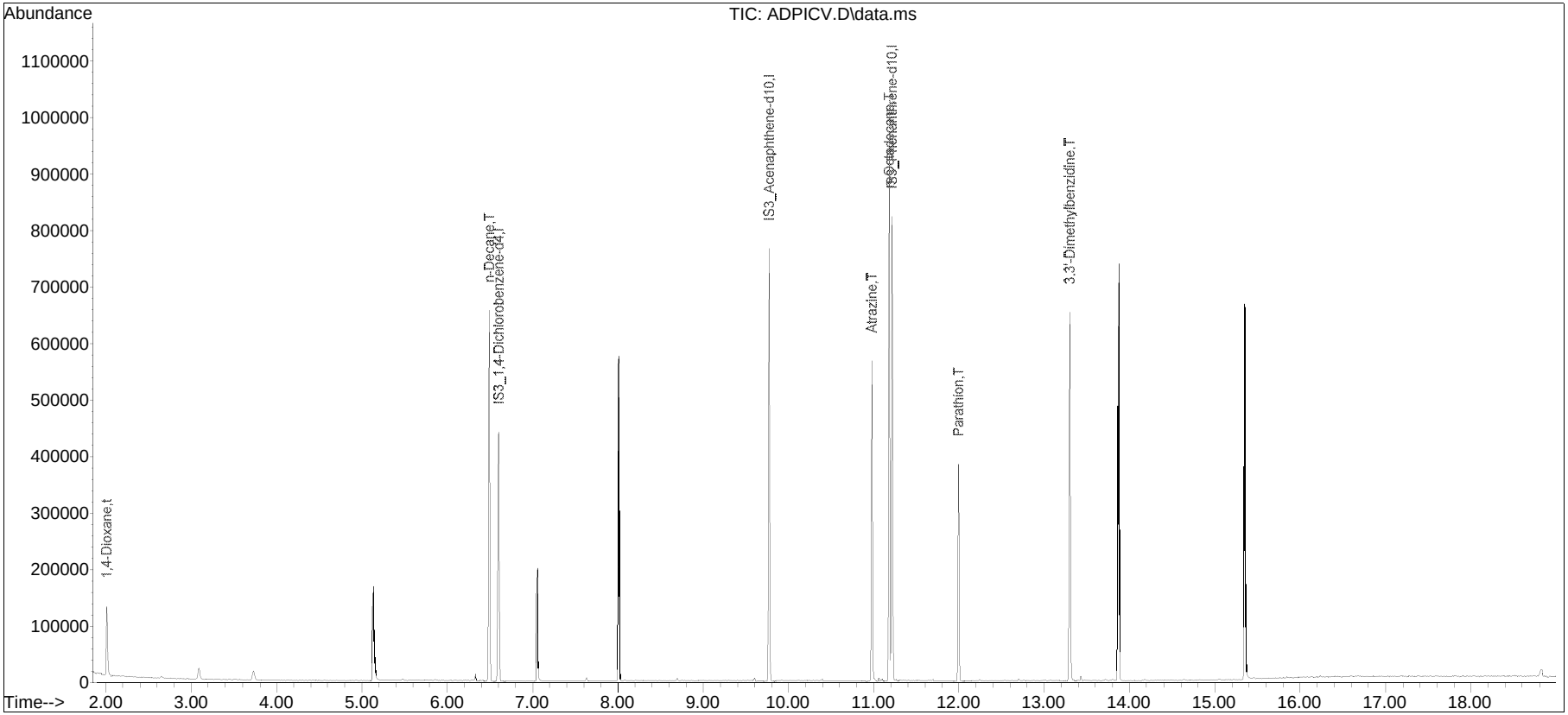
(#) = qualifier out of range (m) = manual integration (+) = signals summed

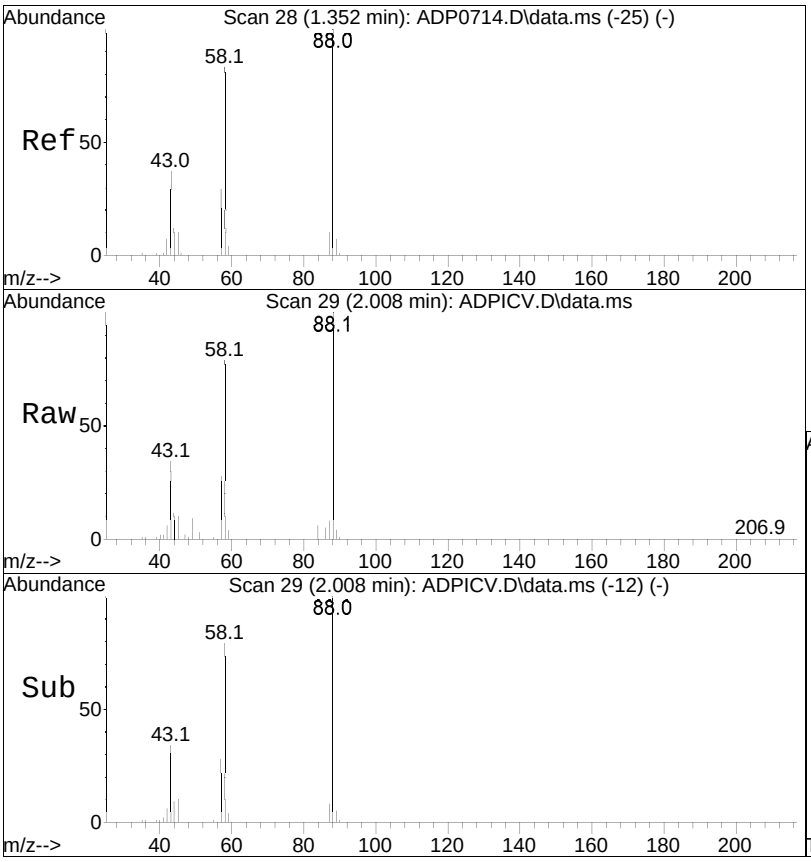
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\241009RVTical\
Data File : ADPICV.D
Acq On : 11 Oct 2024 4:16 pm
Operator : SV106:HNY
Sample : CQICV3,32,,ADPICV Lot# 11033
Misc : WG1984388
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 11 18:37:07 2024
Quant Method : I:\8270\SV106\241011RVTical\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Oct 11 18:38:05 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

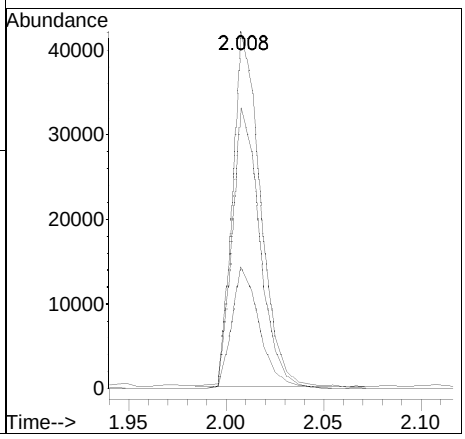


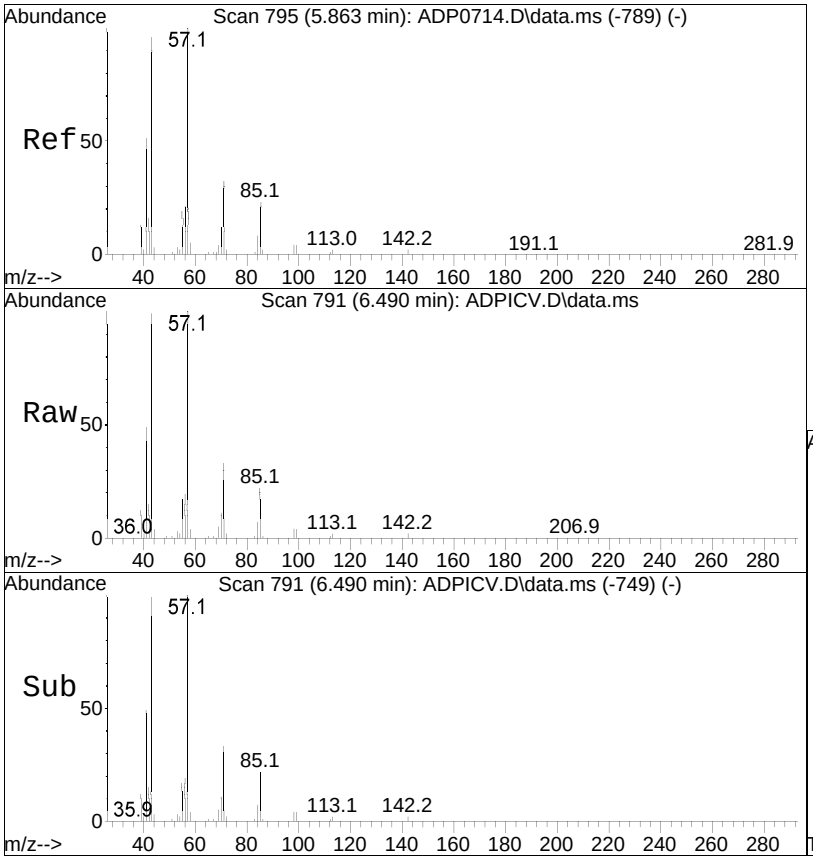


#33
1,4-Dioxane
Concen: 4.89 ug/ml
RT: 2.008 min Scan# 29
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 88 Resp: 41435

Ion	Ratio	Lower	Upper
88	100		
58	78.7	44.8	67.2#
43	34.3	22.4	33.6#

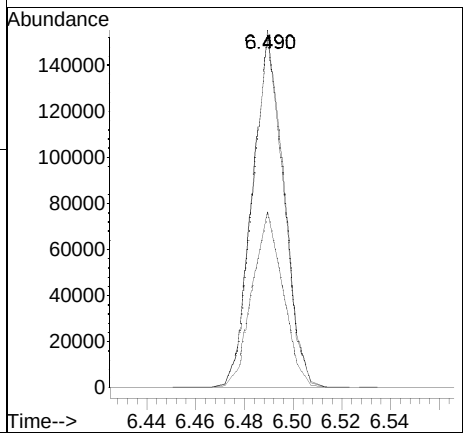


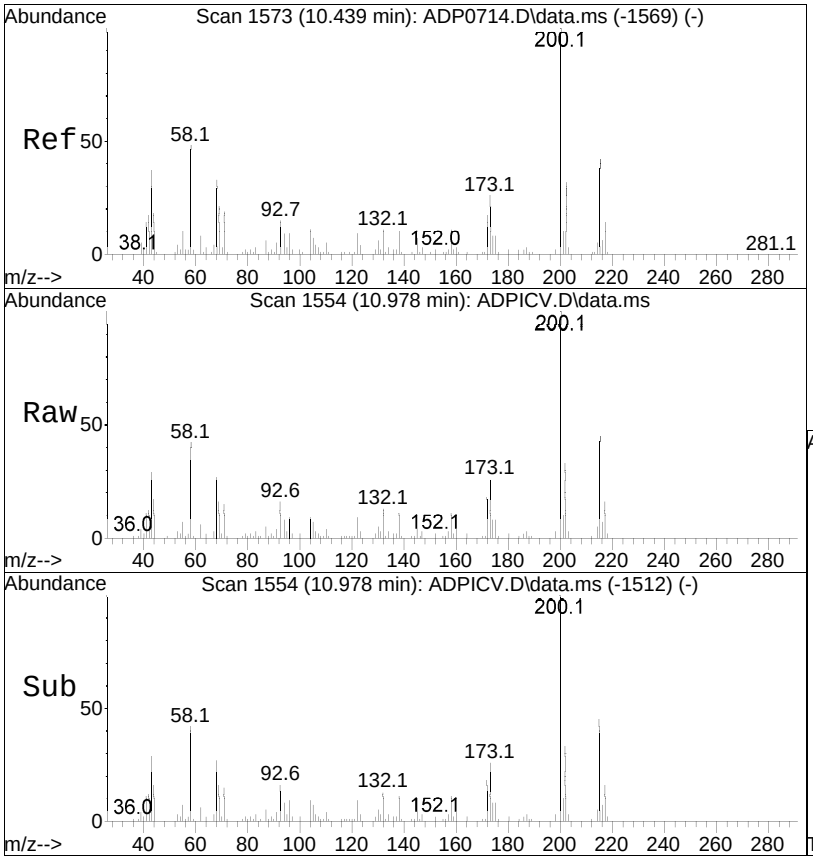


#34
n-Decane
Concen: 5.26 ug/ml
RT: 6.490 min Scan# 791
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 57 Resp: 136314

Ion	Ratio	Lower	Upper
57	100		
43	98.8	0.2	0.2#
41	48.9	0.2	0.2#

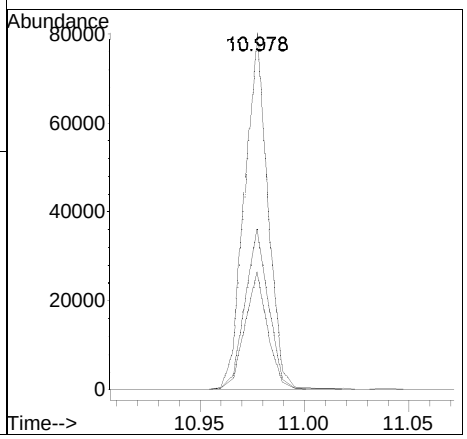


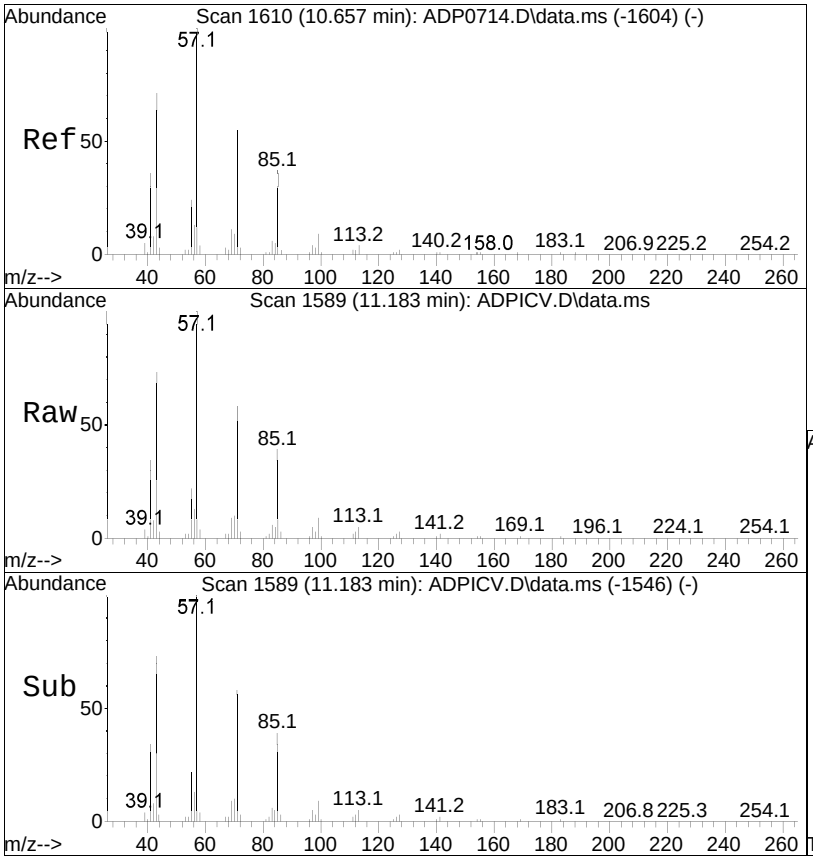


#87
Atrazine
Concen: 3.95 ug/ml
RT: 10.978 min Scan# 1554
Delta R.T. -0.002 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:200 Resp: 61696

Ion	Ratio	Lower	Upper
200	100		
202	32.3	25.8	38.6
215	45.6	40.2	60.4

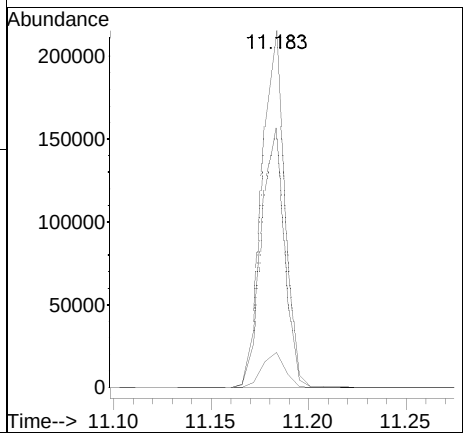


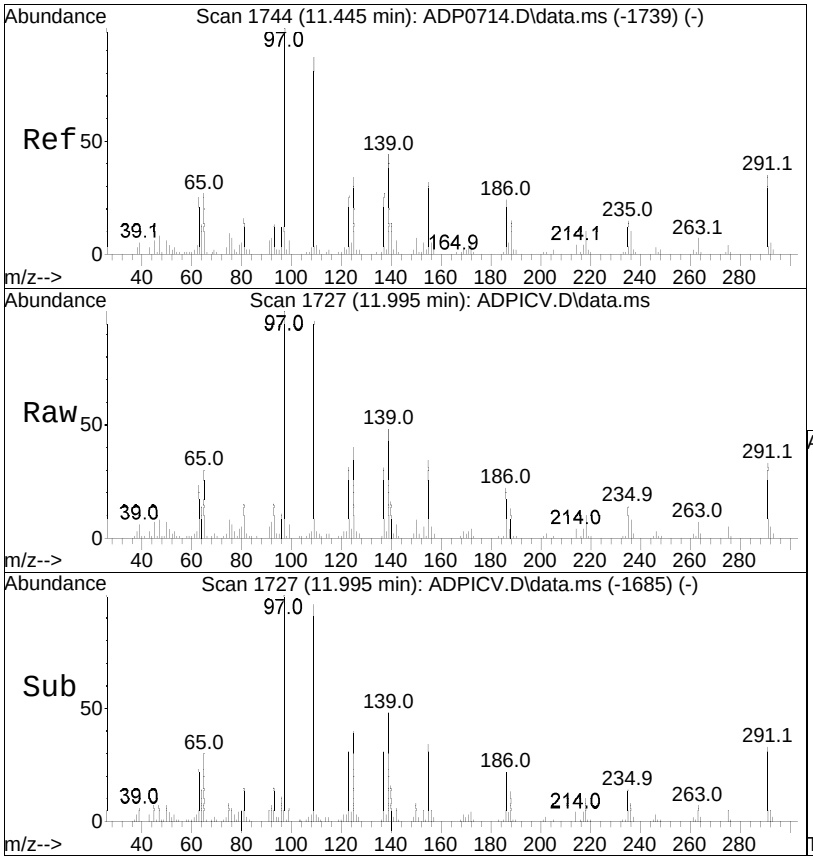


#101
n-Octadecane
Concen: 4.99 ug/ml
RT: 11.183 min Scan# 1589
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion: 57 Resp: 174193

Ion	Ratio	Lower	Upper
57	100		
43	73.9	9.0	13.6#
70	9.9	0.2	0.2#

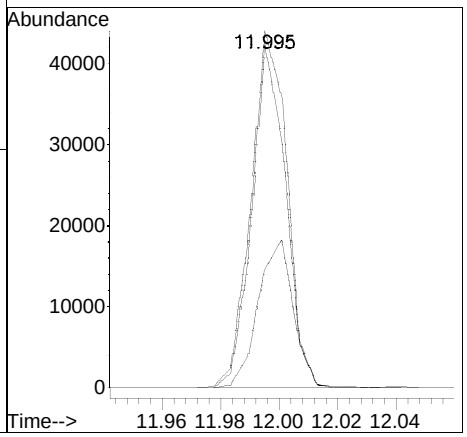


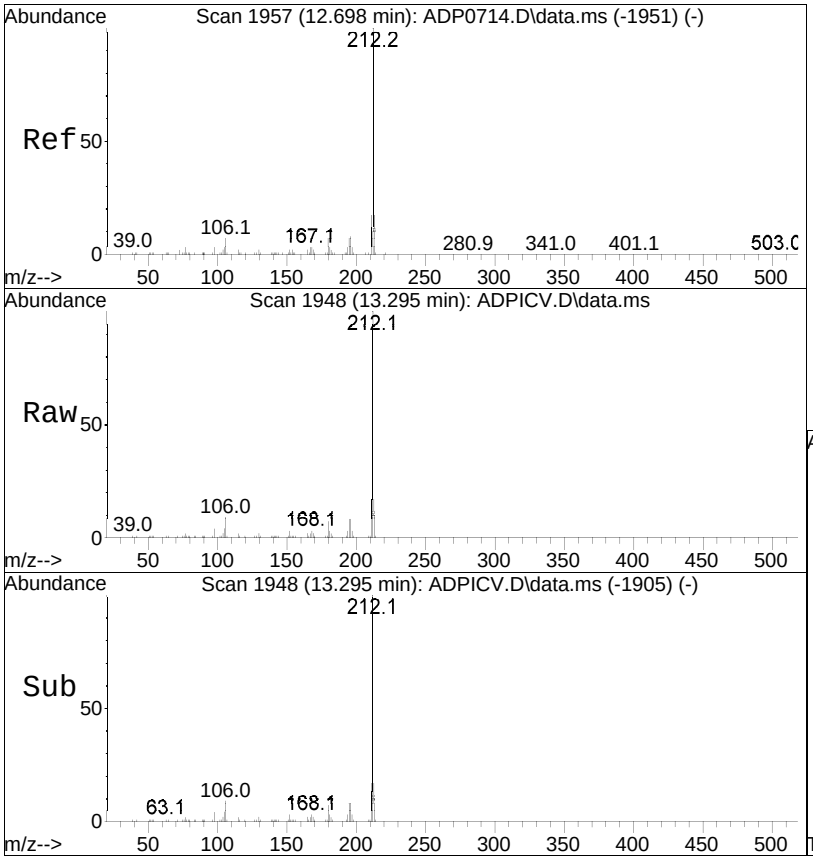


#102
Parathion
Concen: 3.98 ug/ml
RT: 11.995 min Scan# 1727
Delta R.T. -0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:109 Resp: 33558

Ion	Ratio	Lower	Upper
109	100		
97	111.6	87.4	131.2
291	45.0	34.2	51.2

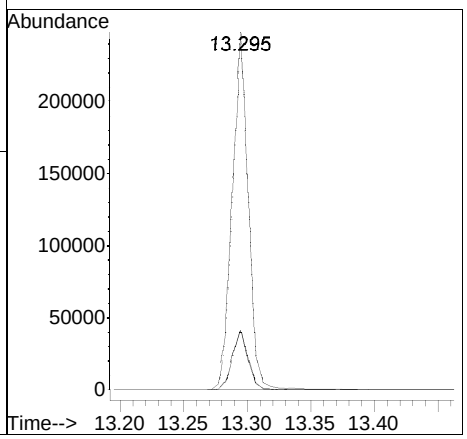




#103
3,3'-Dimethylbenzidine
Concen: 3.62 ug/ml
RT: 13.295 min Scan# 1948
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 11 Oct 2024 4:16 pm

Tgt Ion:212 Resp: 213312

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	16.5	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\241009RVTica	QMethod	: FS241009SV106.m
Data File	: ADPICV.D	Operator	: SV106:HNY
Date Inj'd	: 10/11/2024 4:16 pm	Instrument	: SV 106
Sample	: CQICV3,32,,ADPICV Lot# 110	Quant Date	: 10/11/2024 6:38 pm

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

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\241009RVTical\
Method File : FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Oct 16 05:38:35 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.924	-1.5	2.50	2.638	5.5
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	5.071	1.4	2.50	2.574	3.0
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.663	-6.7	0.50	0.618	23.6
102	T Parathion	Q	ug/ml	5.0	4.395	-12.1	0.20	0.255	27.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999398	0.000000	0.293627	-0.0949847
66	T 2,4-Dinitrophenol	Linear	0.999957	0.000000	0.255049	-0.0761305
76	T 4,6-Dinitro-o-cresol	Linear	0.998192	0.000000	0.304418	-0.0260477
102	T Parathion	Quadratic	0.997945	0.003299	0.117574	-0.00336064

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.688	0.547	0.631	0.657	0.592	0.619	0.625	0.637	0.677	0.630	6.87
3)	t	Pyridine	0.718	0.742	0.925	1.043	0.961	1.016	1.039	1.024	1.118	0.954	14.48
4)	S	2-Fluorophenol	1.049	1.004	1.119	1.011	0.907	1.005	1.012	1.034	1.114	1.028	6.19
5)	T	Aniline	1.820	1.428	1.670	1.497	1.407	1.535	1.513	1.561	1.671	1.567	8.42
6)	t	2-Chlorophenol	1.412	1.055	1.248	1.201	1.124	1.210	1.219	1.242	1.314	1.225	8.34
7)	S	Phenol-d6	1.562	1.289	1.387	1.281	1.108	1.276	1.276	1.308	1.365	1.317	9.16
8)	T	Phenol	1.717	1.324	1.459	1.383	1.257	1.388	1.373	1.397	1.488	1.421	9.16
9)	T	bis(2-Chloroethyl)ether	1.289	0.906	1.073	0.962	0.928	0.981	0.987	0.993	1.037	1.017	11.18
10)	T	1,3-Dichlorobenzene	1.989	1.455	1.700	1.552	1.372	1.510	1.497	1.511	1.602	1.577	11.40
11)	T	1,4-Dichlorobenzene	2.118	1.551	1.603	1.571	1.432	1.536	1.512	1.529	1.633	1.610	12.35
12)	T	1,2-Dichlorobenzene	1.695	1.566	1.655	1.525	1.383	1.466	1.447	1.489	1.583	1.534	6.57
13)	t	Benzyl alcohol	1.016	0.858	0.891	0.896	0.818	0.912	0.930	0.995	1.055	0.930	8.32
14)	T	bis(2-chloroisopropyl)ether	2.239	1.745	1.843	1.773	1.610	1.706	1.707	1.728	1.793	1.794	9.98
15)	T	2-Methylphenol	1.301	1.037	1.137	1.033	0.949	1.014	1.050	1.065	1.130	1.079	9.34
16)	T	Hexachloroethane	0.791	0.505	0.620	0.596	0.507	0.543	0.558	0.571	0.615	0.589	14.63
17)	T	n-Nitrosodi-n-propylamine	1.121	0.834	0.856	0.811	0.724	0.813	0.829	0.866	0.909	0.863	12.65
18)	T	3-Methylphenol/4-Methylphenol	1.510	1.200	1.173	1.153	0.986	1.108	1.108	1.166	1.239	1.182	12.02
19)	S	Nitrobenzene-d5	1.239	1.148	1.175	1.191	1.071	1.176	1.187	1.238	1.328	1.195	5.92
20)	T	Nitrobenzene	1.353	1.122	1.287	1.162	1.081	1.203	1.212	1.254	1.326	1.222	7.51
21)	T	Isophorone	2.724	2.161	2.268	2.038	1.932	2.172	2.181	2.313	2.433	2.247	10.29
22)	T	2-Nitrophenol	0.655	0.587	0.609	0.564	0.538	0.598	0.623	0.674	0.721	0.619	9.18
23)	T	2,4-Dimethylphenol	1.368	1.006	1.085	1.051	0.963	1.062	1.074	1.108	1.188	1.101	10.75
24)	T	bis(2-Chloroethoxy)methane	1.605	1.319	1.550	1.332	1.236	1.352	1.353	1.401	1.451	1.400	8.36
25)	T	2,4-Dichlorophenol	1.548	1.174	1.340	1.190	1.118	1.246	1.245	1.307	1.399	1.285	10.22
26)	T	1,2,4-Trichlorobenzene	1.977	1.522	1.585	1.488	1.349	1.476	1.475	1.515	1.611	1.555	11.25
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.535	0.565	0.698	0.703	0.698	0.762	0.770	0.814	0.786	0.703	13.73
29)	T	Acetophenone	1.107	1.282	1.407	1.330	1.361	1.463	1.521	1.608	1.552	1.403	11.02
30)	T	m-Toluidine			1.080	1.092	1.257	1.323	1.390	1.457	1.409	1.287	11.76
31)	T	2-Chloroaniline	1.078	1.270	1.369	1.264	1.363	1.427	1.471	1.559	1.510	1.368	10.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.252	0.402	0.398	0.392	0.404	0.400	0.409	0.392	0.381	13.71
34)	t	n-Nitrosodieth...		0.349	0.372	0.347	0.382	0.401	0.414	0.437	0.420	0.390	8.57
35)	T	n-Decane	0.828	1.074	1.101	0.967	1.017	1.097	1.087	1.158	1.107	1.048	9.45
36)	t	n-Nitrosopyrro...	0.287	0.406	0.461	0.431	0.441	0.486	0.521	0.550	0.537	0.458	17.68
37)	I	IS1_Naphthalene-d8	----------ISTD----------										
38)	T	Naphthalene	1.453	1.116	1.167	1.048	0.965	1.022	1.010	1.038	1.082	1.100	13.19
39)	T	Benzoic Acid					0.170	0.206	0.226	0.257	0.279	0.228	18.76
40)	T	4-Chloroaniline	0.150	0.114	0.123	0.117	0.108	0.118	0.114	0.119	0.125	0.121	9.98
41)	T	Hexachlorobutadiene	0.298	0.234	0.285	0.254	0.231	0.250	0.249	0.255	0.270	0.258	8.55
42)	T	p-Chloro-m-cresol	0.342	0.278	0.308	0.267	0.246	0.280	0.275	0.298	0.315	0.290	9.94
43)	T	2-Methylnaphthalene	1.045	0.738	0.807	0.705	0.659	0.700	0.706	0.729	0.763	0.761	15.02
44)	T	1-Methylnaphthalene	0.321	0.228	0.254	0.233	0.207	0.232	0.225	0.231	0.246	0.242	13.41
45)	T	Hexachlorocyclopentadiene	0.297	0.225	0.280	0.262	0.240	0.269	0.274	0.291	0.311	0.272	10.00

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	T	2,4,6-Trichlorophenol	0.326	0.279	0.279	0.267	0.250	0.278	0.282	0.300	0.320	0.287	8.51
47)	T	2,4,5-Trichlorophenol	0.399	0.300	0.312	0.309	0.278	0.301	0.313	0.325	0.347	0.320	10.95
48)	S	2-Fluorobiphenyl	1.386	0.978	1.052	0.941	0.852	0.912	0.902	0.920	0.968	0.990	16.04
49)	T	2-Chloronaphthalene	1.113	0.897	0.884	0.813	0.728	0.799	0.774	0.811	0.853	0.852	13.02
50)	T	2-Nitroaniline	0.220	0.198	0.212	0.207	0.184	0.216	0.223	0.243	0.260	0.218	10.43
51)	T	1,4-Dinitrobenzene	0.093	0.063	0.090	0.090	0.086	0.094	0.101	0.113	0.122	0.095	17.69
52)	T	1,3-Dinitrobenzene	0.108	0.093	0.120	0.105	0.098	0.114	0.117	0.129	0.137	0.113	12.53
53)	T	Dimethyl phthalate	1.318	0.991	1.021	0.936	0.866	0.923	0.912	0.953	0.998	0.991	13.29
54)	T	Acenaphthylene	1.586	1.204	1.302	1.203	1.092	1.183	1.181	1.230	1.286	1.252	11.14
55)	T	2,6-Dinitrotoluene	0.192	0.157	0.185	0.174	0.167	0.186	0.187	0.201	0.215	0.185	9.50
56)	T	1,2-Dinitrobenzene		0.043	0.065	0.067	0.062	0.070	0.069	0.073	0.080	0.066	16.02
57)	I	IS2_Naphthalene-d8	----------ISTD----------										
58)	T	a-Terpineol	0.162	0.210	0.212	0.213	0.210	0.235	0.239	0.261	0.251	0.221	13.16
59)	T	3-Chloroaniline		0.086	0.112	0.111	0.106	0.125	0.121	0.129	0.125	0.115	12.17
60)	T	2,6-Dichlorophenol	0.250	0.246	0.297	0.277	0.286	0.319	0.317	0.339	0.329	0.296	11.35
61)	T	1-chloro-2-nitrobenzene	0.068	0.091	0.114	0.114	0.114	0.126	0.124	0.137	0.133	0.113	19.26
62)	T	Caprolactam	0.115	0.103	0.112	0.114	0.113	0.127	0.132	0.146	0.142	0.123	12.07
63)	T	1,2,4,5-Tetrachlorobenzene	0.355	0.419	0.415	0.393	0.401	0.437	0.417	0.450	0.429	0.413	6.76
64)	T	Biphenyl	0.719	0.789	0.880	0.804	0.823	0.897	0.870	0.918	0.876	0.842	7.51
65)	I	IS1_Acenaphthene-d10	----------ISTD----------										
66)	T	3-Nitroaniline	0.312	0.289	0.294	0.288	0.284	0.310	0.324	0.332	0.349	0.309	7.30
67)	T	Acenaphthene	1.665	1.203	1.195	1.092	1.004	1.062	1.049	1.077	1.122	1.163	17.13
68)	T	2,4-Dinitrophenol				0.130	0.149	0.172	0.185	0.208	0.226	*L	0.9959
69)	T	Dibenzofuran	2.796	2.124	2.085	1.944	1.749	1.824	1.814	1.833	1.885	2.006	16.04
70)	T	2,4-Dinitrotoluene	0.373	0.326	0.366	0.349	0.361	0.402	0.410	0.433	0.464	0.387	11.29
71)	T	4-Nitrophenol	0.229	0.206	0.209	0.221	0.208	0.233	0.237	0.255	0.273	0.230	9.86
72)	T	2,3,5,6-Tetrachlorophenol	0.465	0.419	0.459	0.406	0.390	0.425	0.429	0.454	0.481	0.436	6.86
73)	T	2,3,4,6-Tetrachlorophenol	0.536	0.376	0.418	0.411	0.383	0.413	0.421	0.432	0.461	0.428	11.15
74)	T	Diethyl phthalate	2.187	1.601	1.621	1.458	1.366	1.435	1.445	1.489	1.570	1.575	15.53
75)	T	Fluorene	2.060	1.606	1.598	1.495	1.311	1.420	1.399	1.439	1.498	1.536	14.16
76)	T	4-Chlorophenyl-phenylether	1.099	0.823	0.819	0.767	0.683	0.722	0.716	0.736	0.762	0.792	15.66
77)	T	4-Nitroaniline	0.236	0.258	0.299	0.296	0.275	0.312	0.317	0.337	0.357	0.299	12.76
78)	T	4,6-Dinitro-o-cresol	0.240	0.149	0.221	0.215	0.210	0.242	0.251	0.278	0.300	0.234	18.54
79)	T	NDPA/DPA	1.902	1.355	1.398	1.272	1.134	1.220	1.202	1.245	1.300	1.337	16.94
80)	T	Azobenzene	1.550	1.299	1.365	1.219	1.116	1.216	1.210	1.254	1.298	1.281	9.61
81)	S	2,4,6-Tribromophenol	0.315	0.286	0.278	0.265	0.249	0.272	0.276	0.299	0.332	0.286	8.99
82)	T	4-Bromophenyl-phenylether	0.722	0.544	0.560	0.476	0.442	0.474	0.474	0.485	0.517	0.522	16.10
83)	T	Hexachlorobenzene	0.895	0.718	0.682	0.616	0.571	0.586	0.579	0.605	0.656	0.656	15.60
84)	T	Pentachlorophenol	0.372	0.280	0.312	0.320	0.315	0.357	0.379	0.412	0.455	0.356	15.51
85)	I	IS2_Acenaphthene-d10	----------ISTD----------										
86)	T	Dichloran		0.151	0.132	0.142	0.146	0.165	0.185	0.214	0.217	0.169	19.47
87)	T	Pentachloronitrobenzene			0.157	0.173	0.164	0.181	0.190	0.220	0.221	0.187	13.74
88)	I	IS3_Acenaphthene-d10	----------ISTD----------										
89)	T	Atrazine	0.307	0.322	0.368	0.285	0.313	0.342	0.350	0.401	0.400	0.343	11.90
90)	I	IS1_Phenanthrene-d10	----------ISTD----------										

Response Factor Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =ABNL4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

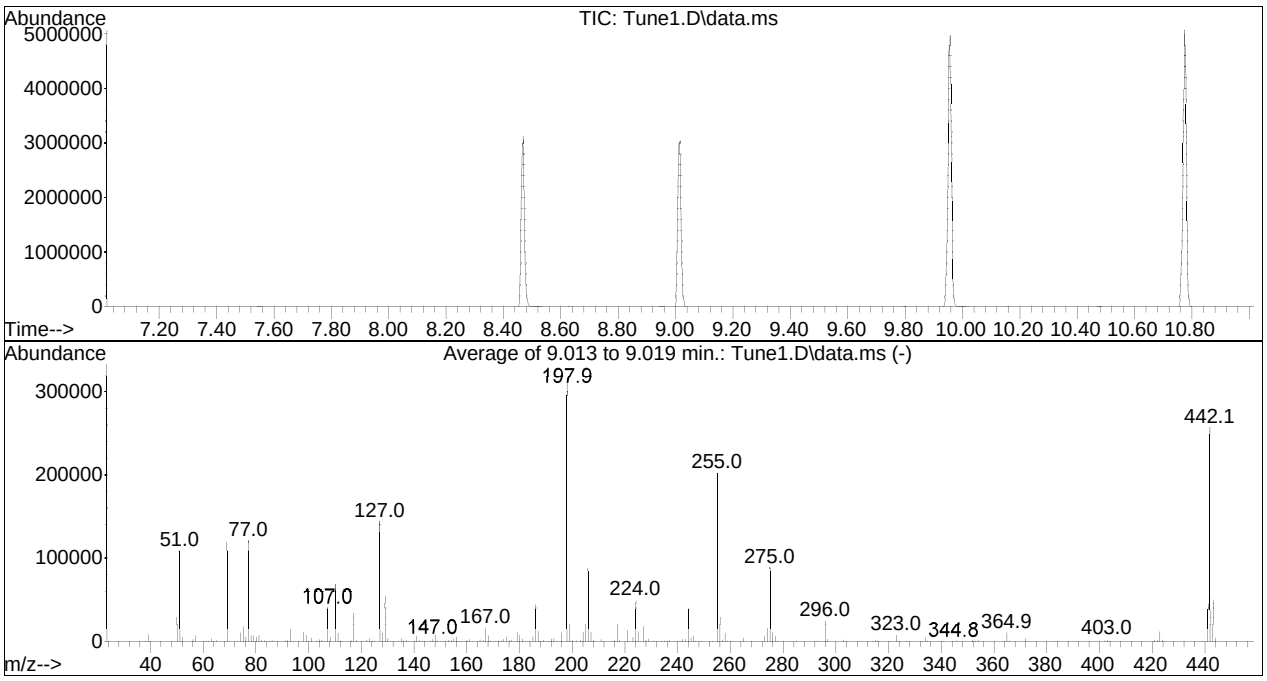
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Phenanthrene	1.655	1.246	1.214	1.134	1.019	1.085	1.072	1.100	1.119	1.183	16.11
92)	T	Anthracene	1.572	1.147	1.191	1.098	1.017	1.082	1.065	1.115	1.153	1.160	14.06
93)	T	Carbazole	1.327	1.038	1.109	1.013	0.956	1.020	1.001	1.037	1.079	1.064	10.14
94)	T	Di-n-butylphthalate	1.417	1.094	1.207	1.105	1.064	1.185	1.204	1.275	1.309	1.207	9.42
95)	T	Fluoranthene	1.943	1.443	1.460	1.351	1.250	1.321	1.315	1.344	1.374	1.422	14.44
96)	T	Benzidine	0.815	0.657	0.698	0.696	0.708	0.801	0.818	0.853	0.900	0.772	10.90
97)	T	Pyrene	2.028	1.546	1.562	1.479	1.353	1.429	1.397	1.427	1.456	1.520	13.29
98)	S	4-Terphenyl-d14	1.660	1.139	1.202	1.092	1.007	1.066	1.052	1.085	1.114	1.157	16.95
99)	T	Butyl benzyl phthalate	0.567	0.415	0.479	0.447	0.453	0.520	0.541	0.594	0.635	0.517	14.34
100)	I	IS2_Phenanthrene-d10	----------ISTD----------										
101)	T	Diphenamid	0.347	0.380	0.392	0.377	0.390	0.434	0.456	0.494	0.474	0.416	12.13
102)	I	IS3_Phenanthrene-d10	----------ISTD----------										
103)	T	n-Octadecane	0.279	0.354	0.355	0.289	0.309	0.332	0.347	0.369	0.369	0.334	10.10
104)	T	Parathion			0.076	0.062	0.069	0.074	0.086	0.106	0.115	*Q	0.9978
105)	T	3,3'-Dimethylbenzidine				0.425	0.542	0.649	0.734	0.845	0.870	*L	0.9972
106)	I	IS1_Chrysene-d12	----------ISTD----------										
107)	T	Benzo[a]anthracene	1.869	1.383	1.408	1.283	1.164	1.251	1.262	1.278	1.301	1.355	15.16
108)	T	3,3'-Dichlorobenzidine	0.587	0.439	0.489	0.467	0.455	0.503	0.519	0.533	0.552	0.505	9.52
109)	T	Chrysene	1.959	1.373	1.454	1.290	1.162	1.224	1.199	1.230	1.250	1.349	18.23
110)	T	bis(2-Ethylhexyl)phthalate	0.831	0.597	0.665	0.632	0.630	0.732	0.775	0.822	0.855	0.726	13.56
111)	T	Di-n-octylphthalate	1.380	1.021	1.044	1.017	1.027	1.217	1.316	1.411	1.473	1.212	15.54
112)	T	Benzo(b)fluoranthene	1.822	1.402	1.469	1.372	1.282	1.313	1.333	1.348	1.437	1.420	11.43
113)	T	Benzo(k)fluoranthene	1.743	1.264	1.425	1.314	1.209	1.355	1.362	1.367	1.409	1.383	10.93
114)	T	Benzo(a)pyrene	1.495	1.196	1.246	1.206	1.127	1.232	1.262	1.289	1.349	1.267	8.34
115)	I	IS1_Perylene-d12	----------ISTD----------										
116)	T	Indeno(1,2,3-cd)pyrene	1.598	1.131	1.193	1.086	1.057	1.169	1.203	1.283	1.387	1.234	13.71
117)	T	Dibenzo[a,h]anthracene	1.503	1.130	1.213	1.140	1.076	1.169	1.186	1.217	1.281	1.213	10.21
118)	T	Benzo(g,h,i)perylene	1.547	1.172	1.230	1.097	1.024	1.118	1.137	1.171	1.234	1.192	12.43

(#) = Out of Range

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



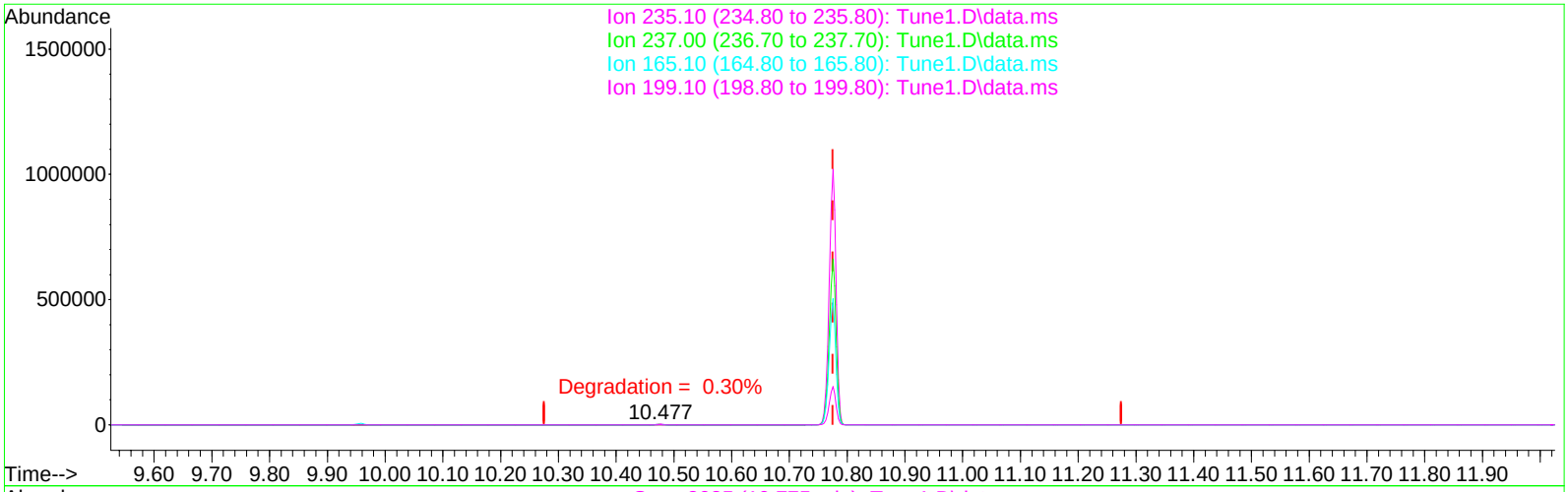
Spectrum Information: Average of 9.013 to 9.019 min.

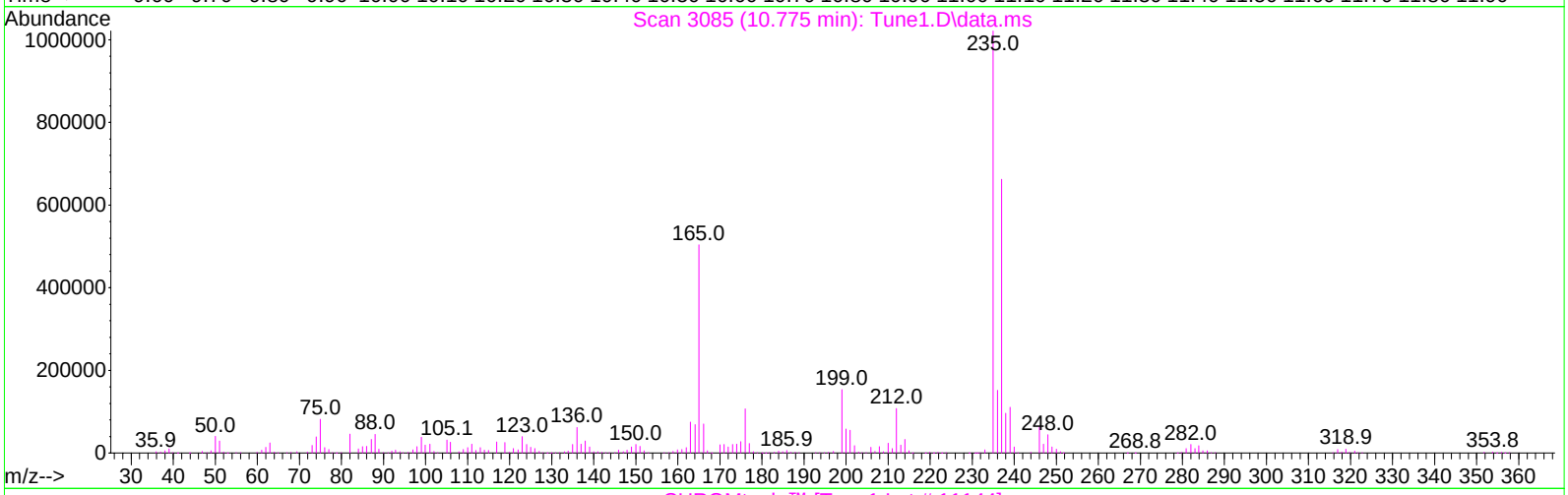
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	108867	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	118323	PASS
70	69	0.00	2	0.6	688	PASS
127	198	10	80	45.2	143328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	316843	PASS
199	198	5	9	6.5	20619	PASS
275	198	10	60	27.8	88232	PASS
365	198	1	100	3.3	10554	PASS
441	442	0.01	24	17.4	44621	PASS
442	198	50	100	80.8	256128	PASS
443	442	15	24	19.7	50387	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(6) DDT (T)

10.775min (+ 0.000) 139.61

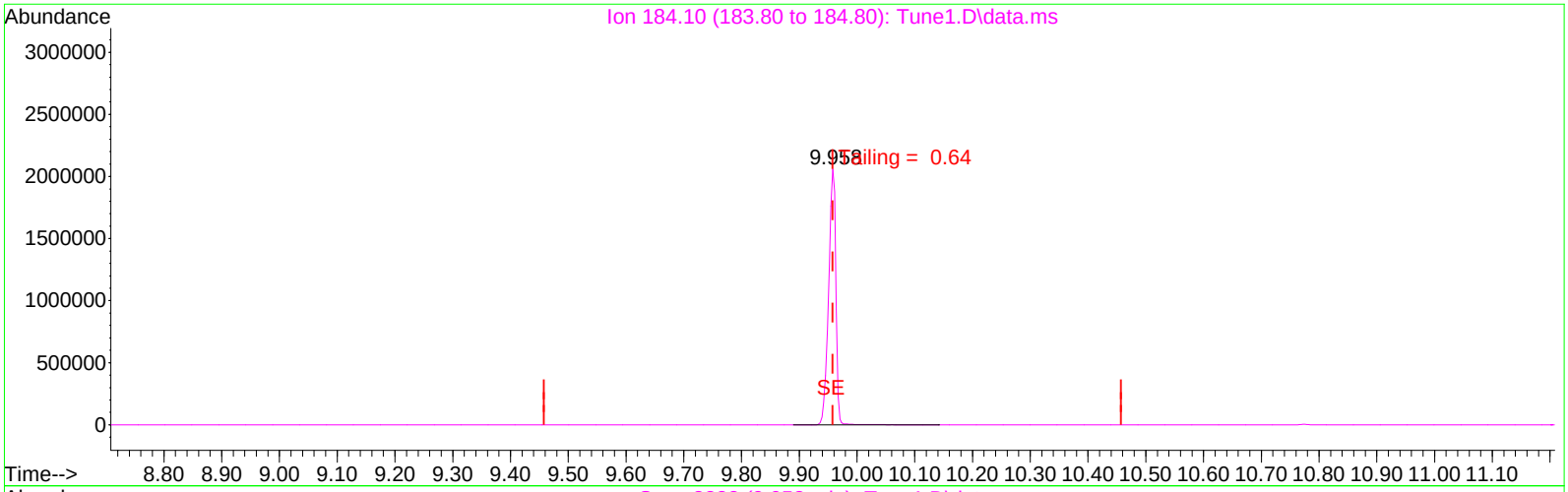
response 851056

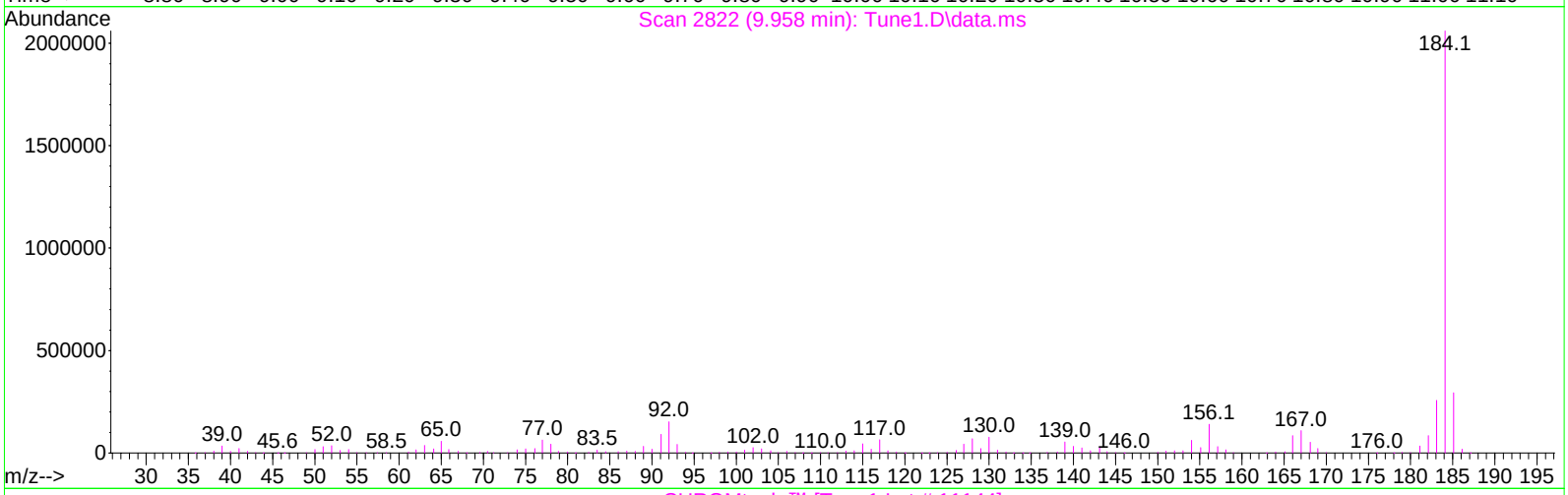
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.29
165.10	48.70	47.50
199.10	15.80	14.59

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(3) Benzidine (T)

9.958min (+ 0.000) 176.60

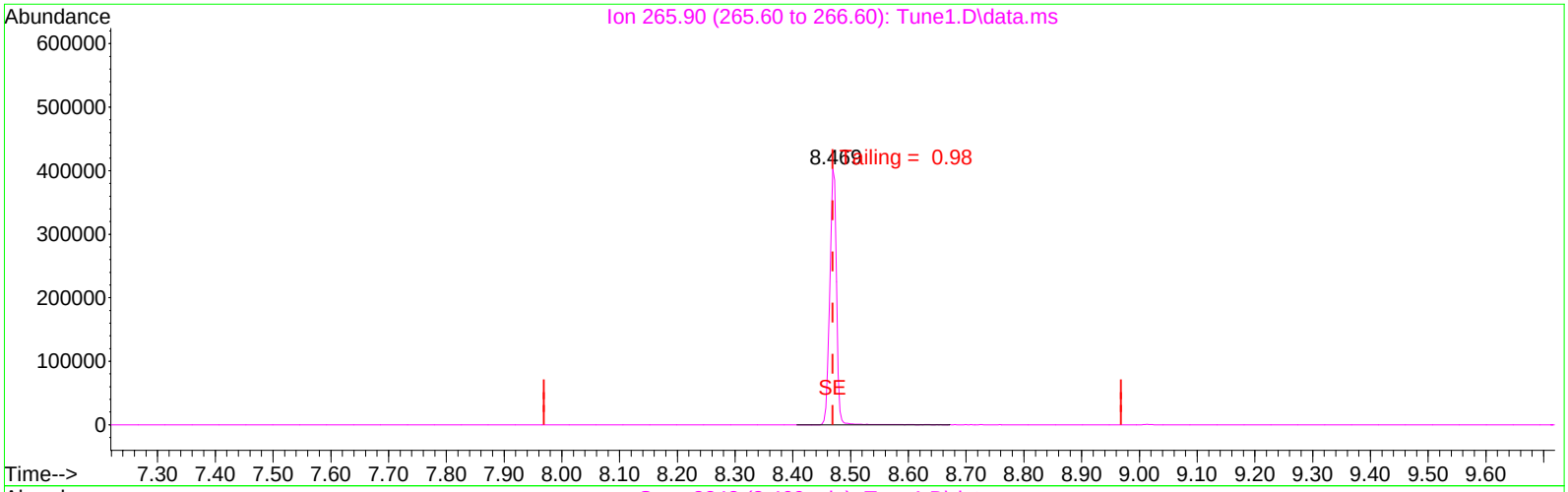
response 1797793

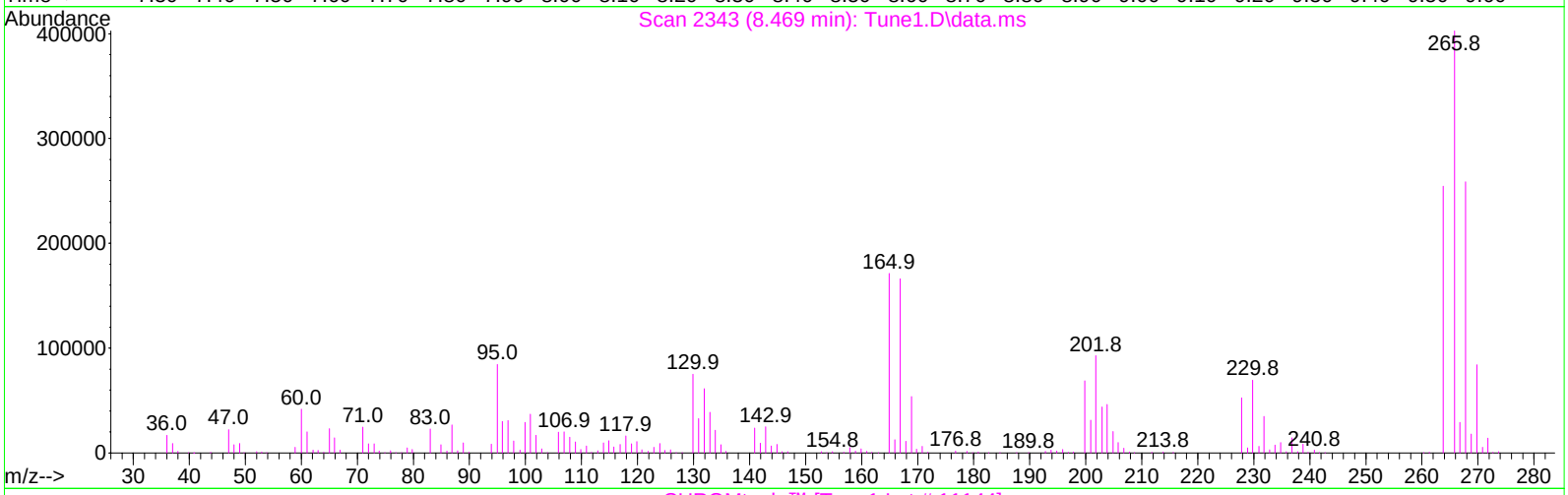
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune1.D
Acq On : 5 Nov 2024 4:36 pm
Operator : Dakota:HNY
Sample : Tune1 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 05 18:26:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 155.17

response 325922

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	30652	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 105.84%		
37) IS1_Naphthalene-d8	5.523	136	115575	4.000 ug/ml #	0.00
Standard Area 1 = 107558			Recovery = 107.45%		
65) IS1_Acenaphthene-d10	7.217	164	76687	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 110.26%		
90) IS1_Phenanthrene-d10	8.628	188	166987	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 111.46%		
106) IS1_Chrysene-d12	11.204	240	194641	4.000 ug/ml	0.01
Standard Area 1 = 173036			Recovery = 112.49%		
115) IS1_Perylene-d12	12.615	264	225226	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 110.75%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	426850	59.194 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2959.70%#		
7) Phenol-d6	3.997	99	522918	56.419 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2820.95%#		
19) Nitrobenzene-d5	4.836	82	509012	60.281 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 6028.10%#		
48) 2-Fluorobiphenyl	6.598	172	1397973	47.353 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4735.30%#		
81) 2,4,6-Tribromophenol	7.978	330	318182	63.648 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3182.40%#		
98) 4-Terphenyl-d14	10.197	244	2326146	51.642 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5164.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	259400	52.853 ug/ml#	81
3) Pyridine	1.628	79	428290M4	55.731 ug/ml	
5) Aniline	3.972	93	640203	53.323 ug/ml	97
6) 2-Chlorophenol	4.084	128	503520	57.731 ug/ml#	89
8) Phenol	4.009	94	570150	52.586 ug/ml	95
9) Bis(2-chloroethyl)ether	4.062	93	397399	51.752 ug/ml	97
10) 1,3-Dichlorobenzene	4.227	146	613947	47.830 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	625718	49.989 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	606587	50.459 ug/ml	94
13) Benzyl alcohol	4.457	79	404093	59.695 ug/ml	99
14) Bis(2-chloroisopropyl)...	4.593	45	686842	43.928 ug/ml#	58

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	432836	56.676	ug/ml	99
16) Hexachloroethane	4.774	117	235552	51.801	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.730	70	348350	54.578	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.758	108	474628	58.576	ug/ml	98
20) Nitrobenzene	4.855	77	508075	56.813	ug/ml	99
21) Isophorone	5.103	82	932214	56.512	ug/ml	95
22) 2-Nitrophenol	5.168	139	276353	73.081	ug/ml#	86
23) 2,4-Dimethylphenol	5.265	107	455183	59.441	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.346	93	555844	53.062	ug/ml#	95
25) 2,4-Dichlorophenol	5.414	162	535919	56.225	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.482	180	617065	49.088	ug/ml	96
38) Naphthalene	5.545	128	1563409	50.438	ug/ml	99
39) Benzoic Acid	5.448	105	403452	57.603	ug/ml	94
40) 4-Chloroaniline	5.625	65	180490	44.567	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	390074	48.367	ug/ml	99
42) p-Chloro-m-cresol	6.132	107	455050	56.560	ug/ml	90
43) 2-Methylnaphthalene	6.222	142	1101989	50.436	ug/ml	95
44) 1-Methylnaphthalene	6.312	115	355748	49.874	ug/ml	94
45) Hexachlorocyclopentadiene	6.390	237	448866	57.912	ug/ml	98
46) 2,4,6-Trichlorophenol	6.514	196	461815	54.022	ug/ml	99
47) 2,4,5-Trichlorophenol	6.542	196	501540	53.375	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	1232869	48.247	ug/ml	93
50) 2-Nitroaniline	6.806	138	375805	64.681	ug/ml#	76
51) 1,4-Dinitrobenzene	6.940	168	176371	60.844	ug/ml	79
52) 1,3-Dinitrobenzene	7.015	168	197913	57.416	ug/ml#	1
53) Dimethyl phthalate	7.021	163	1441304	47.423	ug/ml#	97
54) Acenaphthylene	7.077	152	1857454	49.980	ug/ml	98
55) 2,6-Dinitrotoluene	7.055	165	311315	60.836	ug/ml#	75
56) 1,2-Dinitrobenzene	7.099	168	114969	57.322	ug/ml	96
66) 3-Nitroaniline	7.207	138	334091	65.269	ug/ml#	84
67) Acenaphthene	7.248	154	1075382	50.509	ug/ml	89
68) 2,4-Dinitrophenol	7.307	184	216833	65.280	ug/ml#	81
69) Dibenzofuran	7.419	168	1807087	49.044	ug/ml#	81
70) 2,4-Dinitrotoluene	7.437	165	444663	62.937	ug/ml#	75
71) 4-Nitrophenol	7.413	65	261902	64.521	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.512	232	460699	61.758	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.552	232	441598	60.168	ug/ml	98
74) Diethyl phthalate	7.702	149	1504708	51.958	ug/ml	98
75) Fluorene	7.745	166	1436151	49.717	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.767	204	730405	48.977	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.801	138	342396	60.275	ug/ml#	69
78)	4,6-Dinitro-o-cresol	7.829	198	287986	56.625	ug/ml#	56
79)	NDPA/DPA	7.891	169	1246099	49.971	ug/ml	93
80)	Azobenzene	7.919	77	1244414	53.600	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.233	248	495260M3	52.189	ug/ml	
83)	Hexachlorobenzene	8.277	284	628621	52.365	ug/ml#	80
84)	Pentachlorophenol	8.472	266	435993	66.782	ug/ml	99
91)	Phenanthrene	8.653	178	2336584	49.387	ug/ml	99
92)	Anthracene	8.702	178	2406283	51.441	ug/ml	98
93)	Carbazole	8.876	167	2253274	51.023	ug/ml	97
94)	Di-n-butylphthalate	9.277	149	2732871	56.111	ug/ml#	98
95)	Fluoranthene	9.793	202	2867925	48.973	ug/ml#	92
96)	Benzidine	9.955	184	1878693	56.269	ug/ml#	94
97)	Pyrene	10.002	202	3038413	48.767	ug/ml	98
99)	Butyl benzyl phthalate	10.716	149	1326004	63.789	ug/ml#	82
107)	Benzo(a)anthracene	11.195	228	3166019	49.297	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.208	252	1342833	57.018	ug/ml#	96
109)	Chrysene	11.236	228	3040984	49.111	ug/ml	97
110)	Bis(2-ethylhexyl)phtha...	11.341	149	2080032	61.018	ug/ml#	89
111)	Di-n-octylphthalate	12.003	149	3584357	63.929	ug/ml#	72
112)	Benzo(b)fluoranthene	12.270	252	3497162	53.103	ug/ml#	93
113)	Benzo(k)fluoranthene	12.302	252	3427673M3	52.799	ug/ml	
114)	Benzo(a)pyrene	12.575	252	3281306M2	54.636	ug/ml	
116)	Indeno(1,2,3-cd)pyrene	13.570	276	3906250	56.698	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.595	278	3606363	53.295	ug/ml#	89
118)	Benzo(ghi)perylene	13.784	276	3474271	53.027	ug/ml#	86

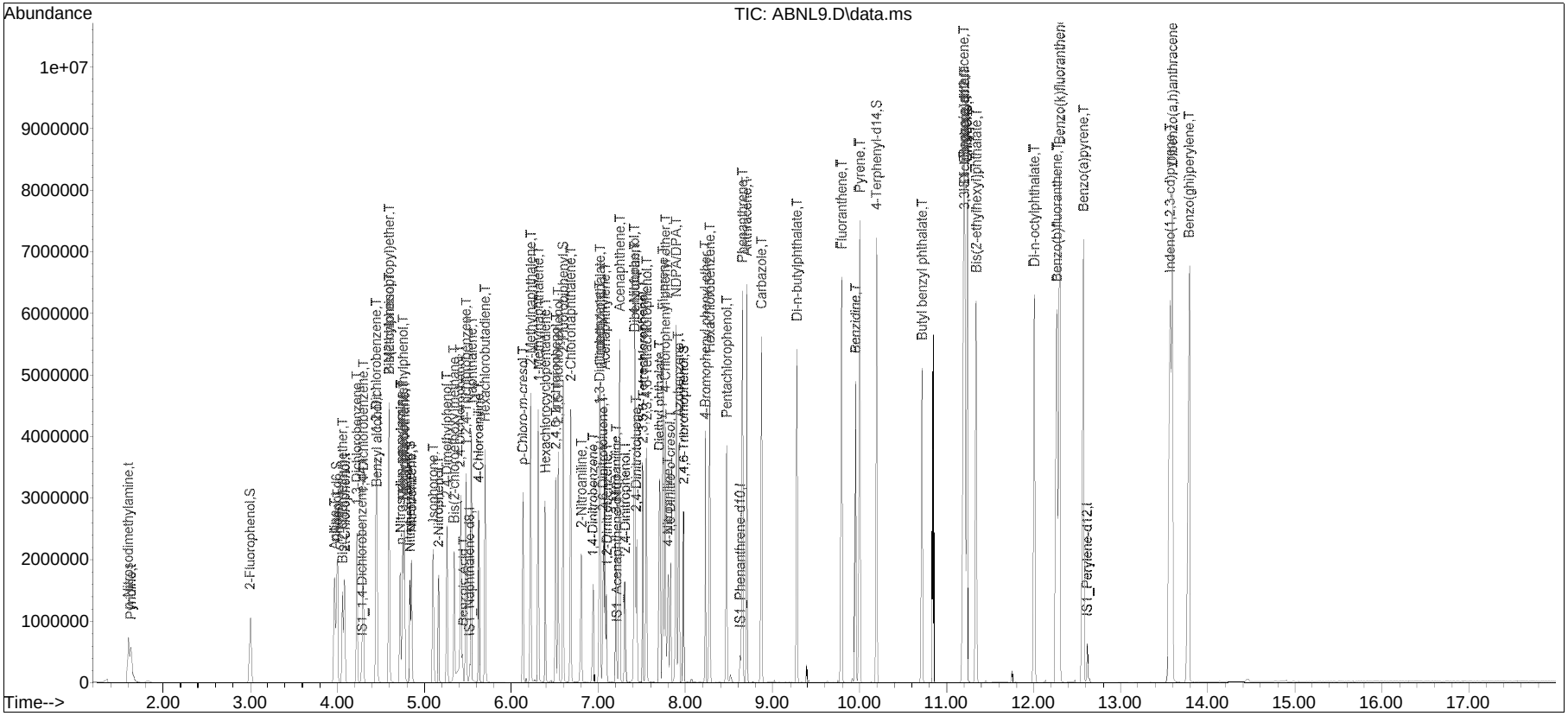
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL9.D
Acq On : 5 Nov 2024 4:59 pm
Operator : Dakota:HNY
Sample : IL2,32,,ABNL50 Lot# 11111
Misc : WG1994500
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 06 09:27:38 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

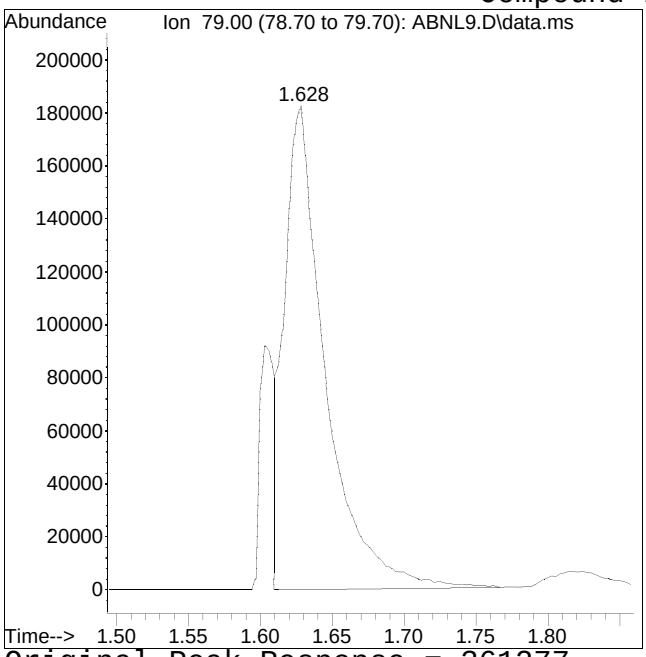
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



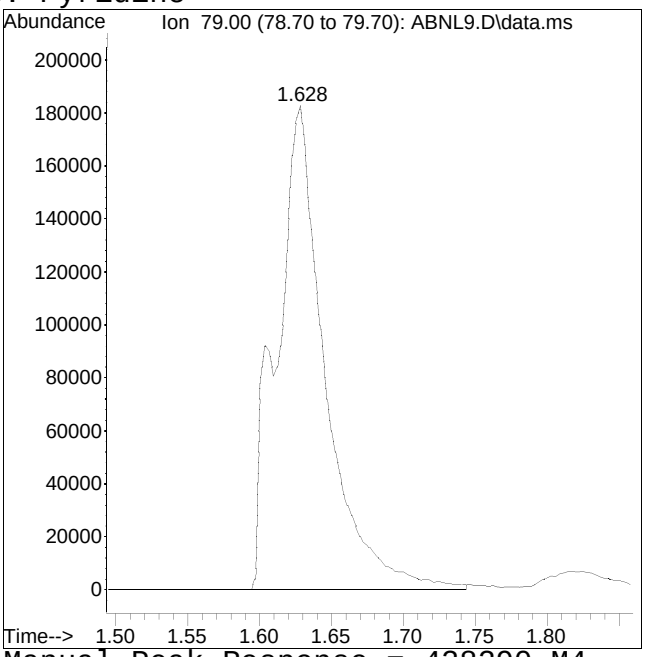
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL9.D
Date Inj'd : 11/5/2024 4:59 pm
Sample : IL2,32,,ABNL50 Lot# 11111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #3: Pyridine



Original Peak Response = 361277



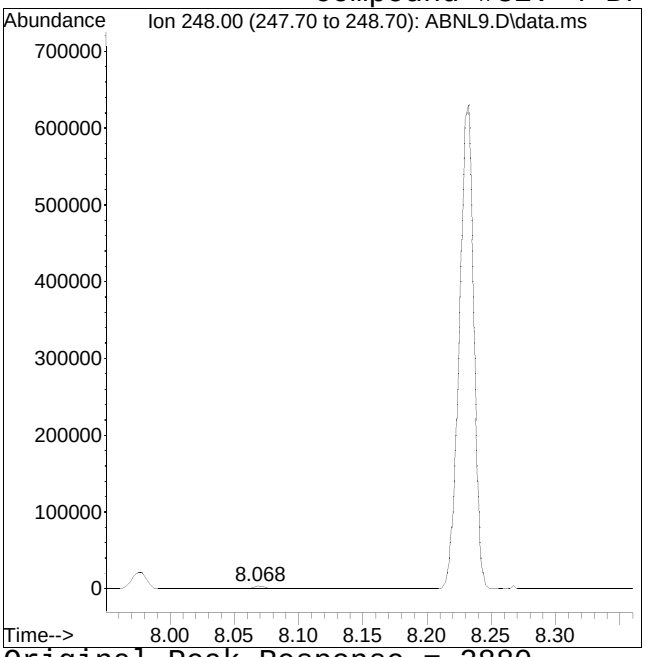
Manual Peak Response = 428290 M4

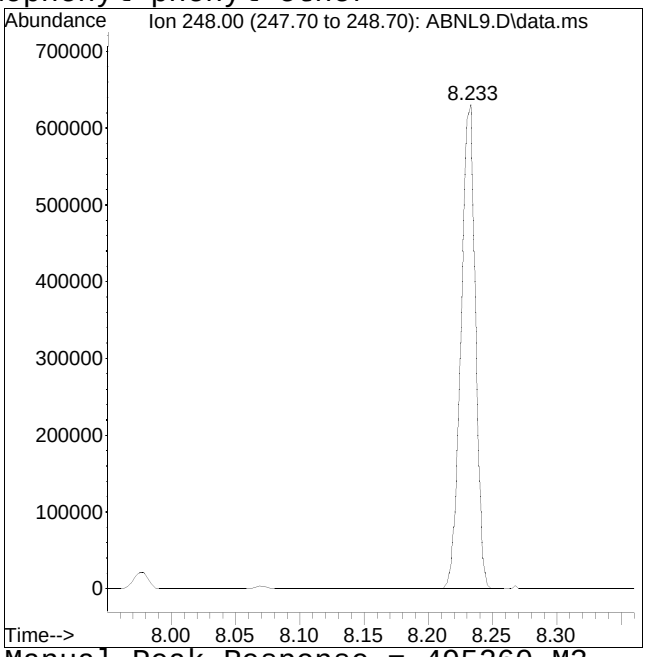
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #82: 4-Bromophenyl phenyl ether



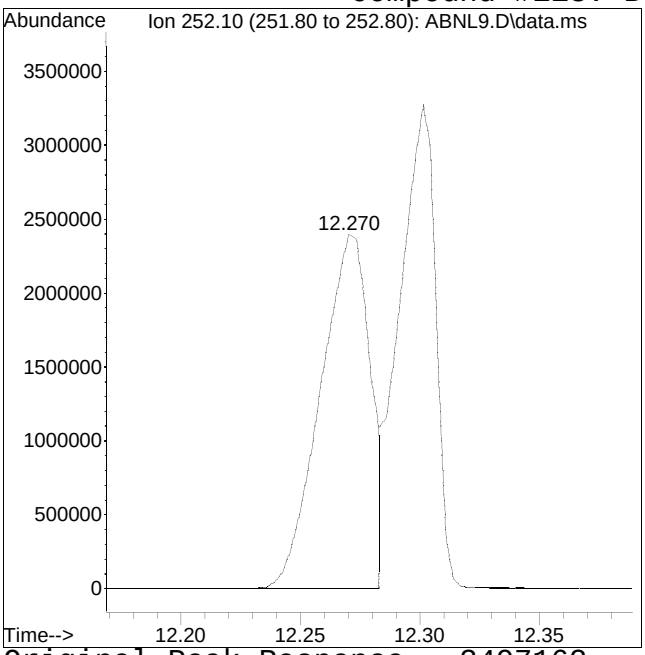


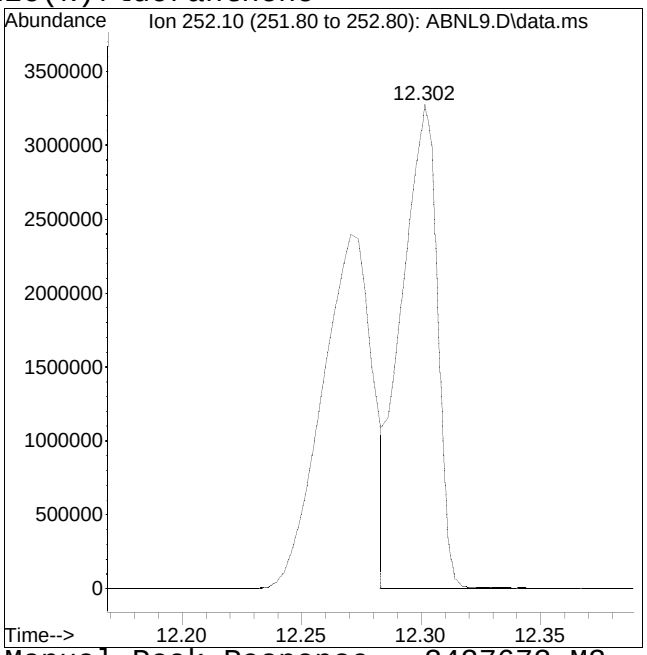
Original Peak Response = 2880 Manual Peak Response = 495260 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #113: Benzo(k)fluoranthene



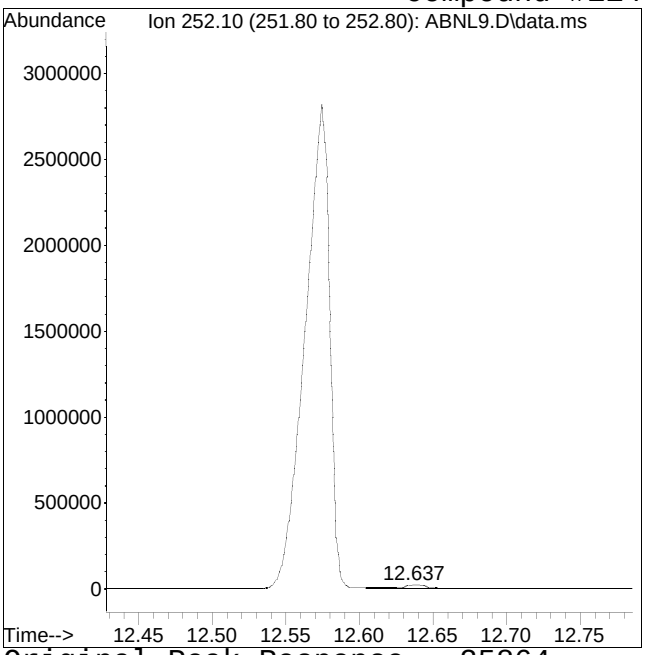


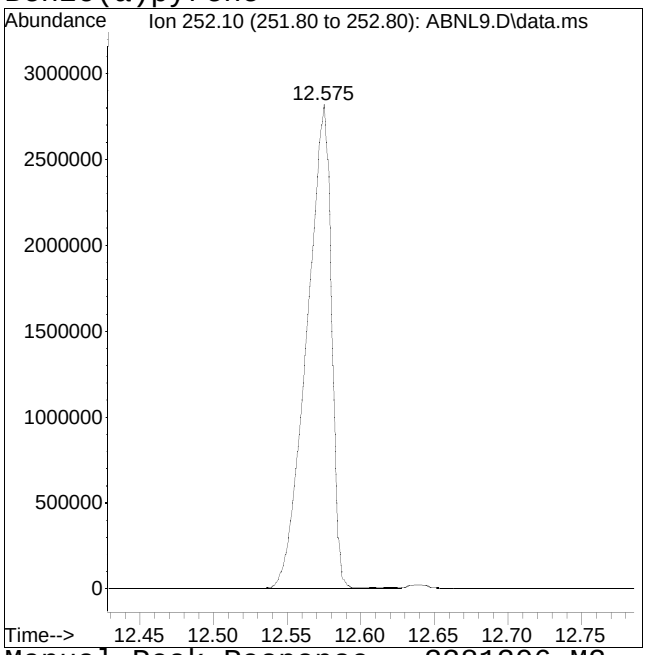
Original Peak Response = 3497162 Manual Peak Response = 3427673 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL9.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 4:59 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 11111 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene





Original Peak Response = 25864 Manual Peak Response = 3281306 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.286	152	32882	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 113.54%			
37) IS1_Naphthalene-d8	5.523	136	122219	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 113.63%			
65) IS1_Acenaphthene-d10	7.213	164	80019	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 115.05%			
90) IS1_Phenanthrene-d10	8.625	188	170526	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 113.83%			
106) IS1_Chrysene-d12	11.198	240	195039	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 112.72%			
115) IS1_Perylene-d12	12.612	264	222671	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 109.50%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	212455	27.464	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1373.20%#			
7) Phenol-d6	3.990	99	268911	27.046	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1352.30%#			
19) Nitrobenzene-d5	4.833	82	254511	28.097	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2809.70%#			
48) 2-Fluorobiphenyl	6.595	172	702587	22.505	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2250.50%#			
81) 2,4,6-Tribromophenol	7.972	330	149763	28.710	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1435.50%#			
98) 4-Terphenyl-d14	10.194	244	1156113	25.134	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2513.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.603	74	130982	24.878	ug/ml#	80
3) Pyridine	1.631	79	210509	25.535	ug/ml#	60
5) Aniline	3.969	93	320735	24.903	ug/ml	97
6) 2-Chlorophenol	4.081	128	255159	27.271	ug/ml#	88
8) Phenol	4.003	94	287124	24.686	ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	204030	24.768	ug/ml	98
10) 1,3-Dichlorobenzene	4.227	146	310564	22.554	ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	314288	23.406	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	305963	23.725	ug/ml	94
13) Benzyl alcohol	4.454	79	204562	28.170	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	355071	21.169	ug/ml#	60

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	218784	26.705	ug/ml	98
16) Hexachloroethane	4.774	117	117262	24.038	ug/ml#	50
17) n-Nitrosodi-n-propylamine	4.724	70	178039	26.002	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.752	108	239554	27.559	ug/ml	99
20) Nitrobenzene	4.851	77	257804	26.872	ug/ml	99
21) Isophorone	5.097	82	475439	26.867	ug/ml	95
22) 2-Nitrophenol	5.168	139	138413	34.121	ug/ml#	86
23) 2,4-Dimethylphenol	5.259	107	227762	27.726	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.342	93	287885	25.618	ug/ml#	95
25) 2,4-Dichlorophenol	5.411	162	268517	26.260	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.482	180	311284	23.084	ug/ml	96
38) Naphthalene	5.541	128	793205	24.199	ug/ml	99
39) Benzoic Acid	5.408	105	196632	27.424	ug/ml	94
40) 4-Chloroaniline	5.622	65	90913	21.228	ug/ml#	66
41) Hexachlorobutadiene	5.697	225	194721	22.832	ug/ml	99
42) p-Chloro-m-cresol	6.129	107	227472	26.736	ug/ml	90
43) 2-Methylnaphthalene	6.219	142	556861	24.101	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	176736	23.431	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	222494	27.145	ug/ml	100
46) 2,4,6-Trichlorophenol	6.511	196	228866	25.317	ug/ml	97
47) 2,4,5-Trichlorophenol	6.539	196	248308	24.989	ug/ml	99
49) 2-Chloronaphthalene	6.682	162	619402	22.922	ug/ml	93
50) 2-Nitroaniline	6.800	138	185396	30.174	ug/ml#	77
51) 1,4-Dinitrobenzene	6.934	168	86479	28.212	ug/ml	81
52) 1,3-Dinitrobenzene	7.008	168	98273M3	26.960	ug/ml	
53) Dimethyl phthalate	7.011	163	727981	22.651	ug/ml#	97
54) Acenaphthylene	7.071	152	939390	23.903	ug/ml	99
55) 2,6-Dinitrotoluene	7.049	165	153890	28.438	ug/ml#	75
56) 1,2-Dinitrobenzene	7.089	168	55846	26.330	ug/ml#	85
66) 3-Nitroaniline	7.201	138	166040	31.088	ug/ml#	84
67) Acenaphthene	7.245	154	538516	24.240	ug/ml	88
68) 2,4-Dinitrophenol	7.297	184	103900	29.978	ug/ml#	82
69) Dibenzofuran	7.412	168	916582	23.840	ug/ml#	84
70) 2,4-Dinitrotoluene	7.431	165	216744	29.400	ug/ml#	77
71) 4-Nitrophenol	7.403	65	127663	30.141	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	227154	29.182	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.549	232	216190	28.230	ug/ml	98
74) Diethyl phthalate	7.698	149	744890	24.650	ug/ml	99
75) Fluorene	7.739	166	719758	23.879	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	367884	23.641	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 4-Nitroaniline	7.789	138	168641	28.451	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.820	198	138975	26.395	ug/ml#	56
79) NDPA/DPA	7.885	169	622751	23.934	ug/ml	92
80) Azobenzene	7.916	77	627012	25.882	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	242429	24.482	ug/ml#	81
83) Hexachlorobenzene	8.273	284	302652	24.162	ug/ml#	80
84) Pentachlorophenol	8.469	266	205928	30.229	ug/ml	98
91) Phenanthrene	8.649	178	1171950	24.257	ug/ml	99
92) Anthracene	8.699	178	1188072	24.871	ug/ml	98
93) Carbazole	8.873	167	1104845	24.499	ug/ml	98
94) Di-n-butylphthalate	9.274	149	1359271	27.329	ug/ml#	98
95) Fluoranthene	9.787	202	1432553	23.955	ug/ml#	92
96) Benzidine	9.952	184	909574	26.677	ug/ml#	94
97) Pyrene	9.995	202	1520824	23.903	ug/ml	99
99) Butyl benzyl phthalate	10.710	149	633434	29.840	ug/ml#	82
107) Benzo(a)anthracene	11.189	228	1557344	24.199	ug/ml	98
108) 3,3'-Dichlorobenzidine	11.201	252	649490	27.522	ug/ml#	96
109) Chrysene	11.226	228	1498919	24.158	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.338	149	1001664	29.324	ug/ml#	89
111) Di-n-octylphthalate	11.997	149	1719798	30.611	ug/ml#	72
112) Benzo(b)fluoranthene	12.261	252	1643646	24.907	ug/ml#	93
113) Benzo(k)fluoranthene	12.289	252	1666923	25.624	ug/ml#	93
114) Benzo(a)pyrene	12.563	252	1571883M2	26.120	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.557	276	1785537	26.214	ug/mL#	88
117) Dibenzo(a,h)anthracene	13.582	278	1693306	25.311	ug/ml#	89
118) Benzo(ghi)perylene	13.769	276	1629094	25.150	ug/ml#	86

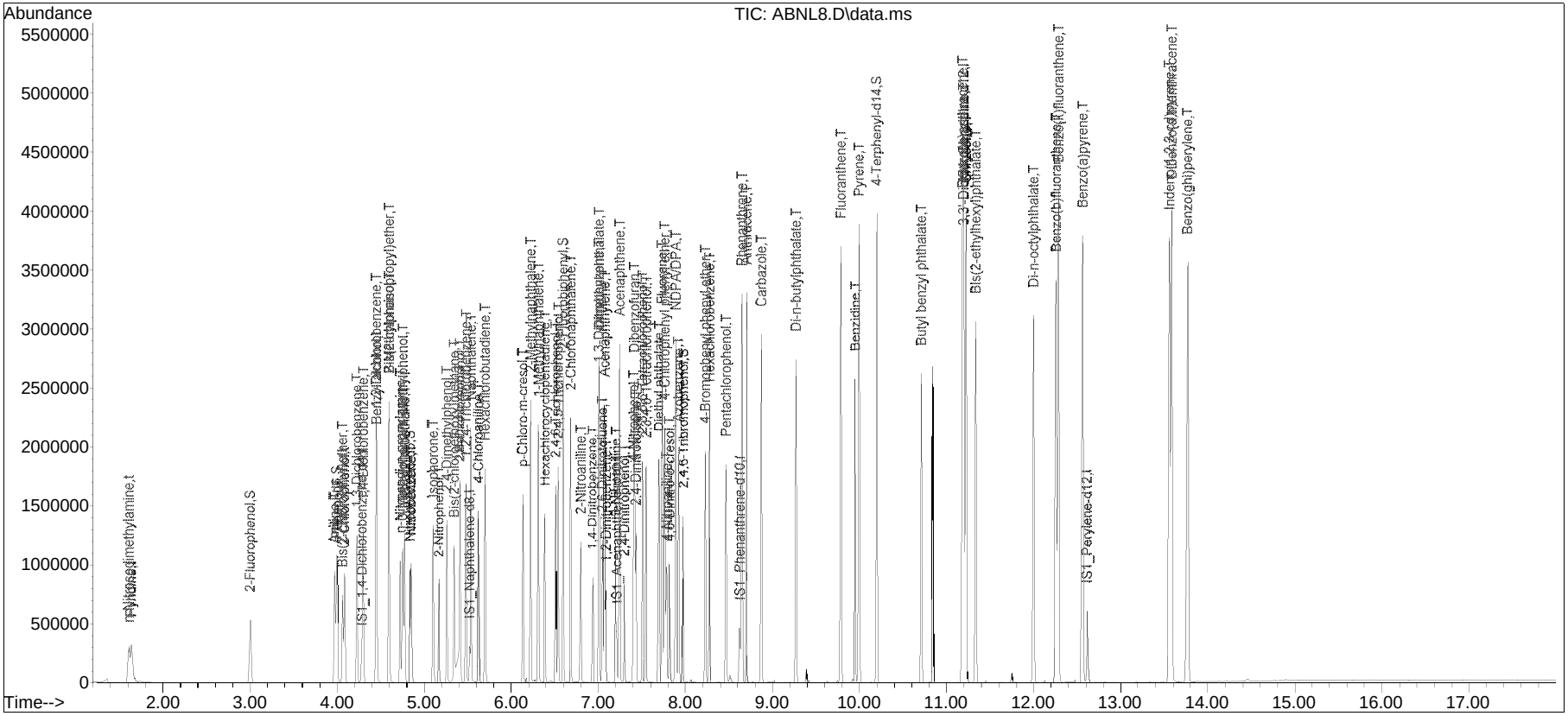
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL8.D
Acq On : 5 Nov 2024 5:23 pm
Operator : Dakota:HNY
Sample : IL3,32,,ABNL25 Lot# 11112
Misc : WG1994500
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 09:26:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

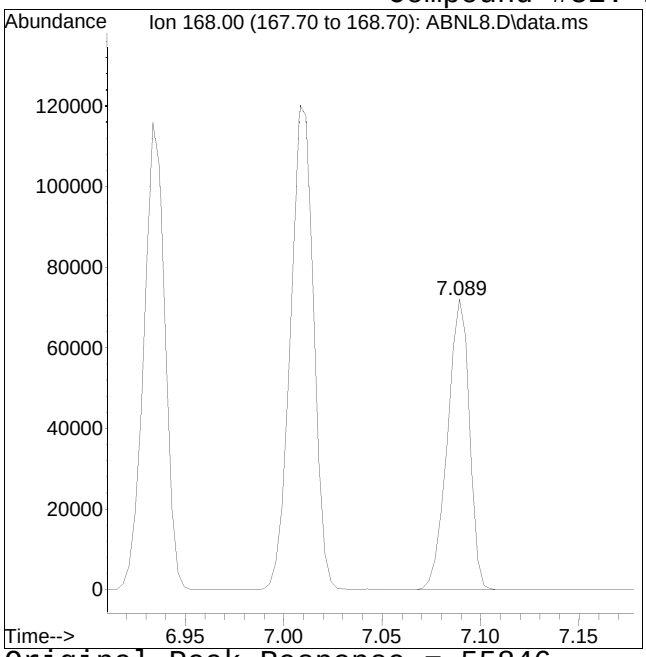
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

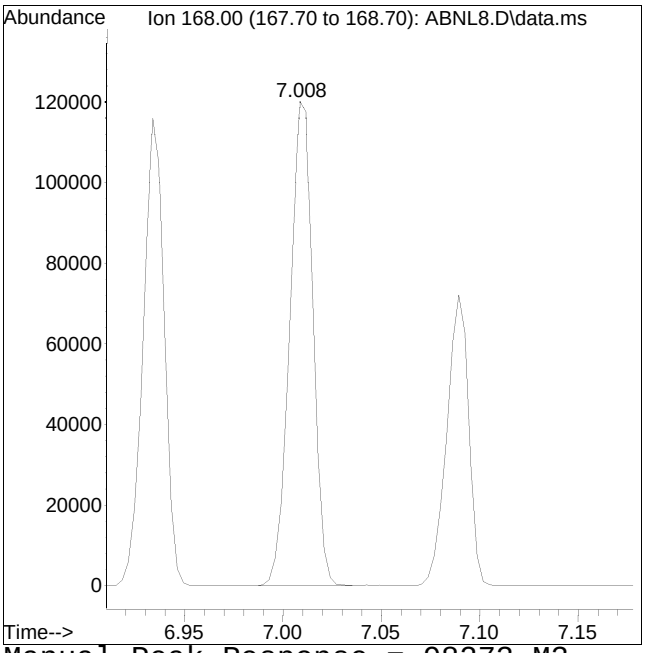


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL8.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 5:23 pm Instrument : Dakota
Sample : IL3,32,,ABNL25 Lot# 11112 Quant Date : 11/6/2024 8:36 am

Compound #52: 1,3-Dinitrobenzene





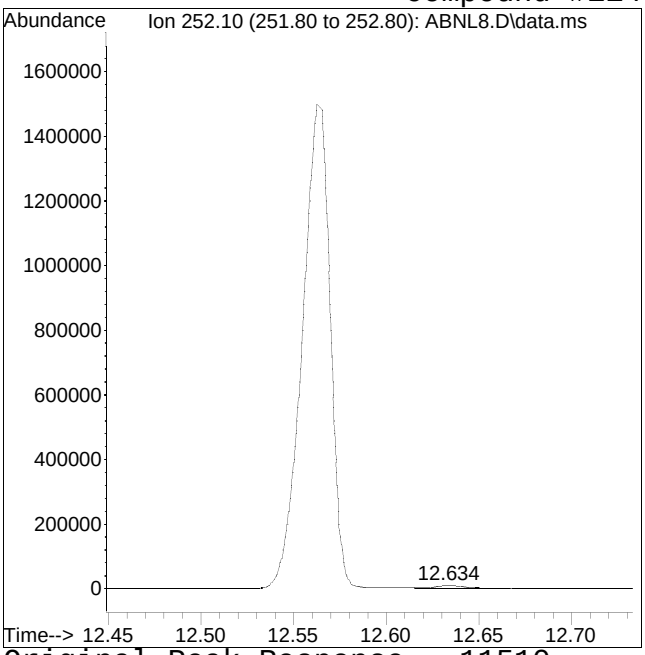
Original Peak Response = 55846 Manual Peak Response = 98273 M3

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

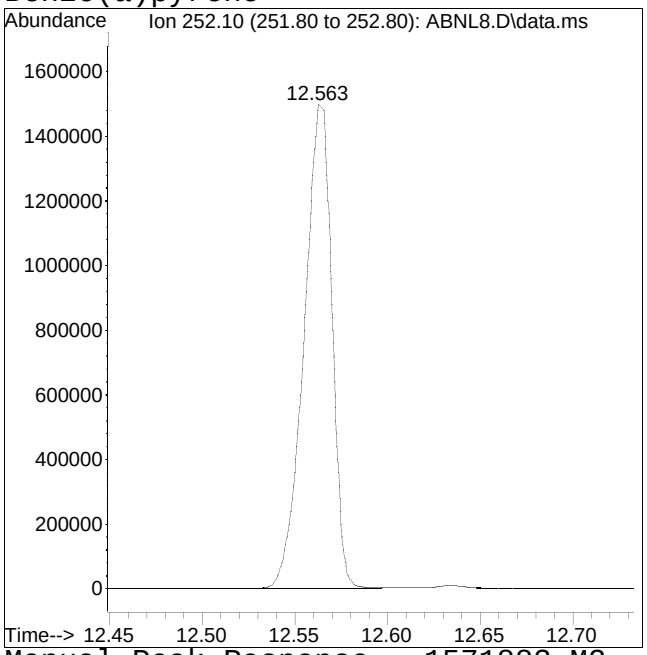
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL8.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 5:23 pm Instrument : Dakota
Sample : IL3,32,,ABNL25 Lot# 11112 Quant Date : 11/6/2024 8:36 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 11510



Manual Peak Response = 1571883 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	30017	4.000	ug/ml	# 0.00
Standard Area 1 = 28960			Recovery = 103.65%			
37) IS1_Naphthalene-d8	5.520	136	110693	4.000	ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 102.91%			
65) IS1_Acenaphthene-d10	7.210	164	71339	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 102.57%			
90) IS1_Phenanthrene-d10	8.625	188	152962	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 102.10%			
106) IS1_Chrysene-d12	11.192	240	173819	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.45%			
115) IS1_Perylene-d12	12.609	264	202944	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 99.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	75910	10.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 537.50%#			
7) Phenol-d6	3.987	99	95741	10.548	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 527.40%#			
19) Nitrobenzene-d5	4.833	82	89064	10.771	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1077.10%#			
48) 2-Fluorobiphenyl	6.592	172	249603	8.828	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 882.80%#			
81) 2,4,6-Tribromophenol	7.969	330	49268	10.594	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.70%#			
98) 4-Terphenyl-d14	10.191	244	402353	9.752	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 975.20%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.597	74	46870	9.752	ug/ml#	80
3) Pyridine	1.628	79	77978	10.362	ug/ml#	59
5) Aniline	3.966	93	113575	9.660	ug/ml	96
6) 2-Chlorophenol	4.077	128	91502	10.713	ug/ml#	88
8) Phenol	4.000	94	103024	9.703	ug/ml	95
9) Bis(2-chloroethyl)ether	4.056	93	74057	9.848	ug/ml	96
10) 1,3-Dichlorobenzene	4.224	146	112322	8.936	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	113494	9.259	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	108571	9.223	ug/ml	93
13) Benzyl alcohol	4.450	79	69764	10.524	ug/ml	100
14) Bis(2-chloroisopropyl)...	4.593	45	128127	8.368	ug/ml#	60

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	78768	10.532	ug/ml	100
16) Hexachloroethane	4.771	117	41863	9.401	ug/ml#	51
17) n-Nitrosodi-n-propylamine	4.721	70	62227	9.956	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	83179	10.483	ug/ml	98
20) Nitrobenzene	4.848	77	90914	10.381	ug/ml	97
21) Isophorone	5.094	82	163635	10.130	ug/ml	94
22) 2-Nitrophenol	5.165	139	46777	12.632	ug/ml#	87
23) 2,4-Dimethylphenol	5.259	107	80631	10.752	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	101509	9.895	ug/ml#	97
25) 2,4-Dichlorophenol	5.408	162	93402	10.006	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	110668	8.990	ug/ml	96
38) Naphthalene	5.538	128	279417	9.412	ug/ml	99
39) Benzoic Acid	5.367	105	62503	10.680	ug/ml	91
40) 4-Chloroaniline	5.619	65	31494	8.120	ug/ml#	65
41) Hexachlorobutadiene	5.697	225	68910	8.921	ug/ml	100
42) p-Chloro-m-cresol	6.126	107	76197	9.889	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	195484	9.341	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	62192	9.104	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	75925	10.228	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	78117	9.541	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	86553	9.617	ug/ml	97
49) 2-Chloronaphthalene	6.679	162	214208	8.752	ug/ml	93
50) 2-Nitroaniline	6.797	138	61633	11.076	ug/ml#	78
51) 1,4-Dinitrobenzene	6.931	168	28021	10.093	ug/ml	80
52) 1,3-Dinitrobenzene	7.005	168	32467	9.834	ug/ml#	1
53) Dimethyl phthalate	7.005	163	252504	8.675	ug/ml#	98
54) Acenaphthylene	7.071	152	326834	9.182	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	51689	10.546	ug/ml#	75
56) 1,2-Dinitrobenzene	7.083	168	19215	10.003	ug/ml#	1
66) 3-Nitroaniline	7.195	138	57722	12.122	ug/ml#	82
67) Acenaphthene	7.242	154	187097	9.447	ug/ml	88
68) 2,4-Dinitrophenol	7.294	184	32967	10.669	ug/ml#	82
69) Dibenzofuran	7.409	168	323476	9.437	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	73085	11.120	ug/ml#	76
71) 4-Nitrophenol	7.397	65	42265	11.193	ug/ml#	27
72) 2,3,5,6-Tetrachlorophenol	7.506	232	76542	11.030	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.546	232	75038	10.990	ug/ml	99
74) Diethyl phthalate	7.692	149	257720	9.566	ug/ml	98
75) Fluorene	7.736	166	249496	9.285	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	127708	9.205	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77)	4-Nitroaniline	7.776	138	56545	10.700	ug/ml	#	78
78)	4,6-Dinitro-o-cresol	7.810	198	44733	9.776	ug/ml	#	57
79)	NDPA/DPA	7.882	169	214404	9.243	ug/ml		92
80)	Azobenzene	7.913	77	215745	9.989	ug/ml		98
82)	4-Bromophenyl phenyl e...	8.227	248	84538	9.576	ug/ml	#	80
83)	Hexachlorobenzene	8.270	284	103252	9.246	ug/ml	#	79
84)	Pentachlorophenol	8.466	266	67607	11.132	ug/ml		99
91)	Phenanthrene	8.646	178	409956	9.459	ug/ml		99
92)	Anthracene	8.693	178	407125	9.501	ug/ml		98
93)	Carbazole	8.867	167	382642	9.459	ug/ml		98
94)	Di-n-butylphthalate	9.271	149	460432	10.320	ug/ml	#	98
95)	Fluoranthene	9.784	202	502795	9.373	ug/ml	#	92
96)	Benzidine	9.946	184	312907	10.231	ug/ml	#	94
97)	Pyrene	9.992	202	534393	9.364	ug/ml		99
99)	Butyl benzyl phthalate	10.707	149	207056	10.874	ug/ml	#	82
107)	Benzo(a)anthracene	11.186	228	548250	9.559	ug/ml		99
108)	3,3'-Dichlorobenzidine	11.198	252	225540	10.724	ug/ml	#	97
109)	Chrysene	11.220	228	521142	9.424	ug/ml		98
110)	Bis(2-ethylhexyl)phtha...	11.338	149	336797	11.063	ug/ml	#	89
111)	Di-n-octylphthalate	11.994	149	571767	11.419	ug/ml	#	72
112)	Benzo(b)fluoranthene	12.255	252	579285	9.850	ug/ml	#	93
113)	Benzo(k)fluoranthene	12.283	252	591670	10.206	ug/ml	#	93
114)	Benzo(a)pyrene	12.556	252	548576	10.228	ug/ml	#	93
116)	Indeno(1,2,3-cd)pyrene	13.548	276	610183	9.829	ug/mL	#	89
117)	Dibenzo(a,h)anthracene	13.573	278	601923	9.872	ug/ml	#	89
118)	Benzo(ghi)perylene	13.759	276	576728	9.769	ug/ml	#	86

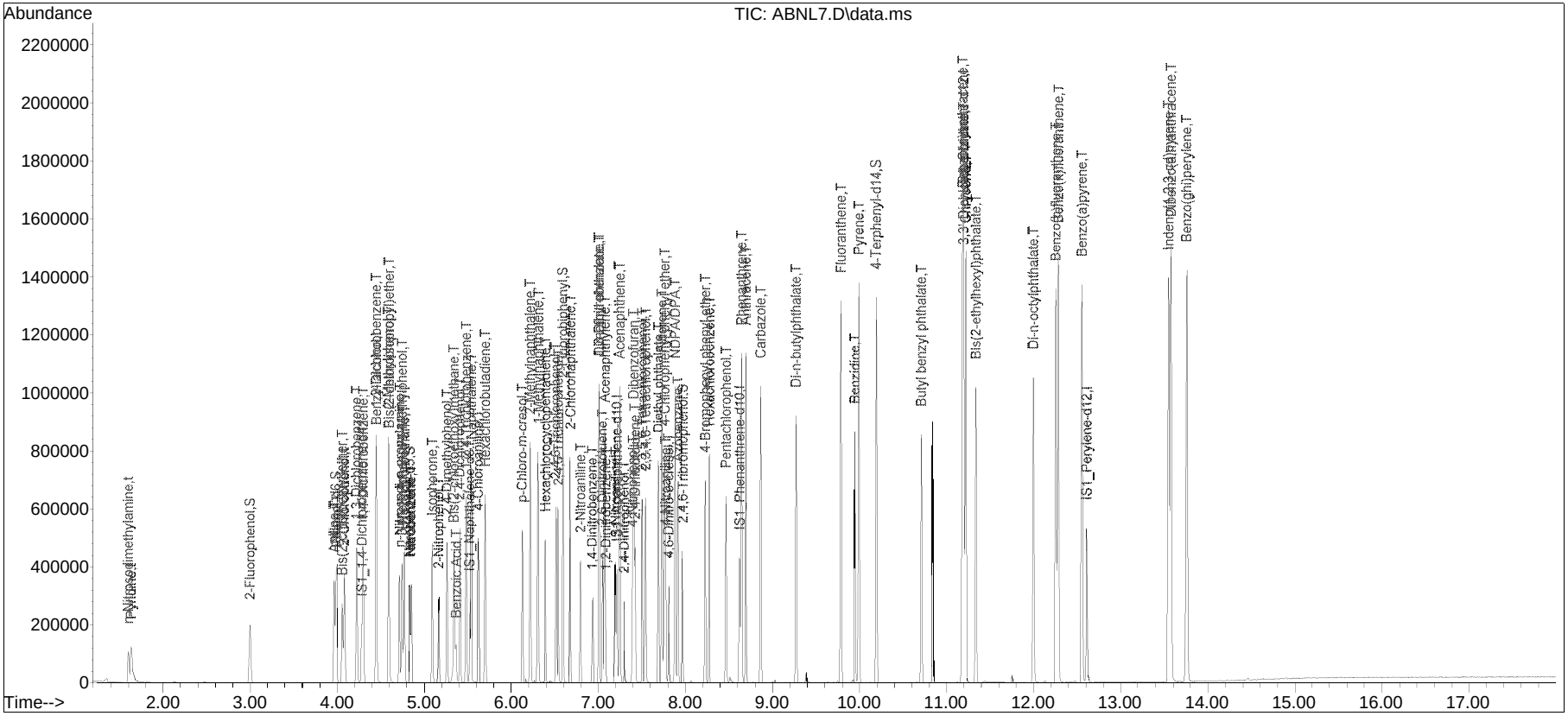
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL7.D
Acq On : 5 Nov 2024 5:46 pm
Operator : Dakota:HNY
Sample : IL4,32,,ABNL10 Lot# 11113
Misc : WG1994500
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 06 09:24:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 5:46 pm	Instrument	: Dakota
Sample	: IL4,32,,ABNL10 Lot# 11113	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	28960	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 100.00%		
37) IS1_Naphthalene-d8	5.520	136	107558	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.00%		
65) IS1_Acenaphthene-d10	7.210	164	69553	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 100.00%		
90) IS1_Phenanthrene-d10	8.625	188	149813	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.00%		
106) IS1_Chrysene-d12	11.192	240	173036	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 100.00%		
115) IS1_Perylene-d12	12.609	264	203359	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	36379	5.340 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 267.00%#		
7) Phenol-d6	3.984	99	46206	5.277 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 263.85%#		
19) Nitrobenzene-d5	4.833	82	42587	5.338 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 533.80%#		
48) 2-Fluorobiphenyl	6.592	172	122549	4.460 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 446.00%#		
81) 2,4,6-Tribromophenol	7.969	330	23686	5.224 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.20%#		
98) 4-Terphenyl-d14	10.191	244	199652	4.941 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.600	74	22399	4.830 ug/ml	82
3) Pyridine	1.634	79	36774	5.065 ug/ml#	62
5) Aniline	3.969	93	55552	4.897 ug/ml	96
6) 2-Chlorophenol	4.077	128	43820	5.318 ug/ml#	88
8) Phenol	3.997	94	50251	4.906 ug/ml	96
9) Bis(2-chloroethyl)ether	4.059	93	35511	4.895 ug/ml	100
10) 1,3-Dichlorobenzene	4.223	146	54655	4.507 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	55620	4.703 ug/ml	95
12) 1,2-Dichlorobenzene	4.447	146	53065	4.672 ug/ml	93
13) Benzyl alcohol	4.450	79	33022	5.163 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	61759	4.181 ug/ml#	61

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	36689	5.085	ug/ml	99
16) Hexachloroethane	4.774	117	19654	4.575	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	29429	4.880	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.749	108	40096	5.238	ug/ml	98
20) Nitrobenzene	4.848	77	43553	5.155	ug/ml	95
21) Isophorone	5.094	82	78642	5.046	ug/ml	95
22) 2-Nitrophenol	5.165	139	21659	6.062	ug/ml#	85
23) 2,4-Dimethylphenol	5.255	107	38443	5.313	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	48954	4.946	ug/ml	97
25) 2,4-Dichlorophenol	5.408	162	45088	5.007	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.479	180	53442	4.500	ug/ml	96
38) Naphthalene	5.538	128	137444	4.765	ug/ml	99
39) Benzoic Acid	5.346	105	27655	5.748	ug/ml	91
40) 4-Chloroaniline	5.622	65	15918	4.223	ug/ml#	74
41) Hexachlorobutadiene	5.697	225	33657	4.484	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	37630	5.026	ug/ml	90
43) 2-Methylnaphthalene	6.216	142	94136	4.630	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	31140	4.691	ug/ml	96
45) Hexachlorocyclopentadiene	6.390	237	36194	5.018	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	37386	4.699	ug/ml	96
47) 2,4,5-Trichlorophenol	6.539	196	40448	4.625	ug/ml	99
49) 2-Chloronaphthalene	6.679	162	107403	4.516	ug/ml#	91
50) 2-Nitroaniline	6.797	138	29098	5.381	ug/ml#	76
51) 1,4-Dinitrobenzene	6.931	168	12684	4.702	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	15384	4.796	ug/ml#	1
53) Dimethyl phthalate	7.002	163	124096	4.387	ug/ml#	98
54) Acenaphthylene	7.067	152	159055	4.599	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	25000	5.250	ug/ml#	75
56) 1,2-Dinitrobenzene	7.080	168	9417	5.045	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26990	5.814	ug/ml#	85
67) Acenaphthene	7.241	154	92335	4.782	ug/ml	89
68) 2,4-Dinitrophenol	7.291	184	14980	4.972	ug/ml#	84
69) Dibenzofuran	7.409	168	158615	4.746	ug/ml#	87
70) 2,4-Dinitrotoluene	7.425	165	34950	5.454	ug/ml	86
71) 4-Nitrophenol	7.397	65	20265	5.504	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	36982	5.466	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.546	232	35881	5.390	ug/ml	98
74) Diethyl phthalate	7.689	149	124775	4.750	ug/ml	98
75) Fluorene	7.736	166	123482	4.713	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	62734	4.638	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77)	4-Nitroaniline	7.773	138	27164	5.272	ug/ml	#	79
78)	4,6-Dinitro-o-cresol	7.807	198	21012	4.910	ug/ml	#	57
79)	NDPA/DPA	7.879	169	106063	4.690	ug/ml		93
80)	Azobenzene	7.910	77	105738	5.022	ug/ml		98
82)	4-Bromophenyl phenyl e...	8.227	248	41201	4.787	ug/ml	#	80
83)	Hexachlorobenzene	8.267	284	50912	4.676	ug/ml	#	80
84)	Pentachlorophenol	8.463	266	31065	5.246	ug/ml		97
91)	Phenanthrene	8.646	178	203180	4.787	ug/ml		100
92)	Anthracene	8.693	178	202631	4.828	ug/ml		99
93)	Carbazole	8.867	167	191087	4.823	ug/ml		99
94)	Di-n-butylphthalate	9.271	149	221941	5.079	ug/ml	#	98
95)	Fluoranthene	9.784	202	247376	4.709	ug/ml	#	92
96)	Benzidine	9.945	184	150013	5.008	ug/ml	#	94
97)	Pyrene	9.989	202	267661	4.788	ug/ml		99
99)	Butyl benzyl phthalate	10.707	149	97439	5.225	ug/ml	#	82
107)	Benzo(a)anthracene	11.183	228	270494	4.738	ug/ml		99
108)	3,3'-Dichlorobenzidine	11.195	252	108876	5.200	ug/ml	#	96
109)	Chrysene	11.217	228	264748	4.809	ug/ml		99
110)	Bis(2-ethylhexyl)phtha...	11.335	149	158349	5.225	ug/ml	#	89
111)	Di-n-octylphthalate	11.994	149	263131	5.279	ug/ml	#	71
112)	Benzo(b)fluoranthene	12.252	252	283903	4.849	ug/ml	#	94
113)	Benzo(k)fluoranthene	12.280	252	293103	5.079	ug/ml	#	92
114)	Benzo(a)pyrene	12.553	252	266408	4.990	ug/ml	#	93
116)	Indeno(1,2,3-cd)pyrene	13.545	276	297219	4.778	ug/mL	#	88
117)	Dibenzo(a,h)anthracene	13.570	278	297184	4.864	ug/ml	#	89
118)	Benzo(ghi)perylene	13.753	276	284158	4.803	ug/ml	#	86

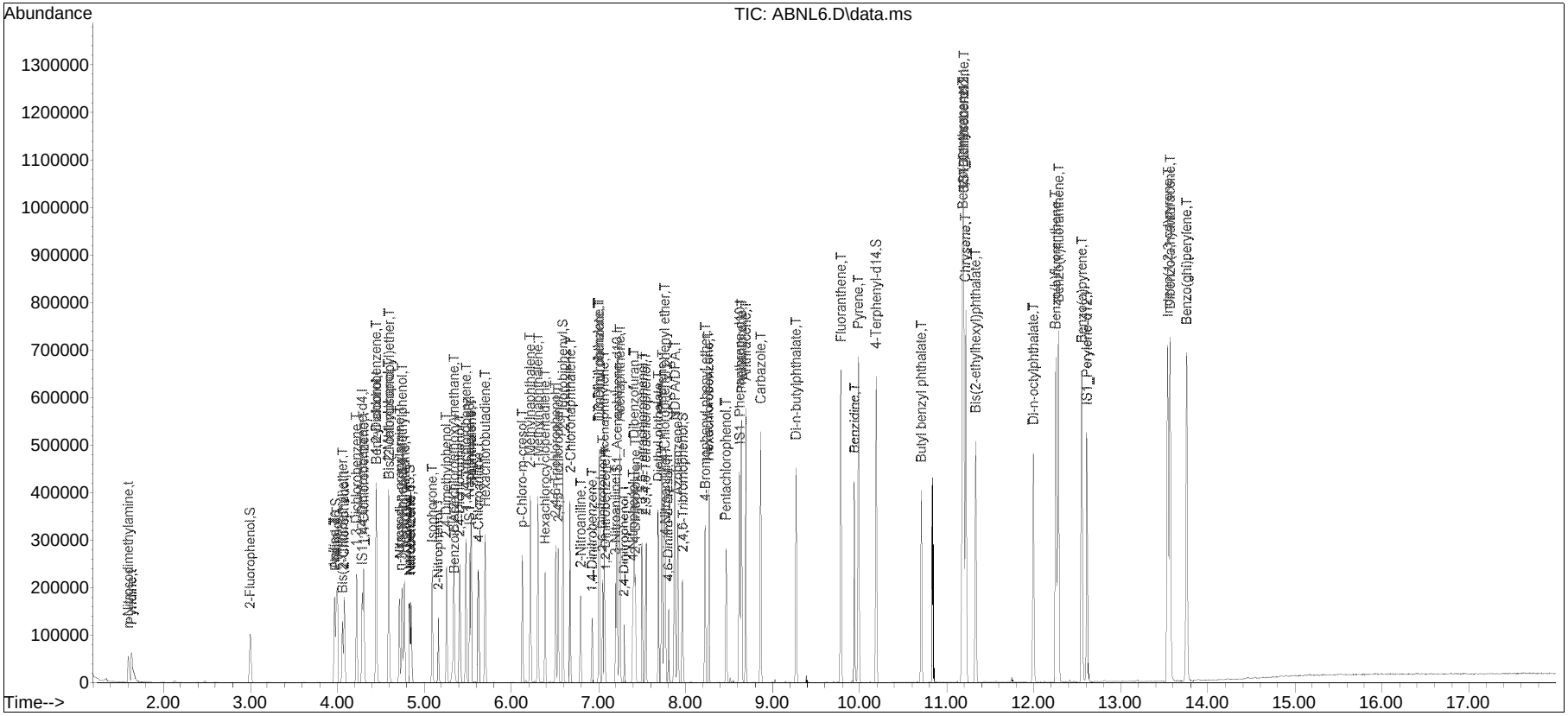
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL6.D
Acq On : 5 Nov 2024 6:09 pm
Operator : Dakota:HNY
Sample : IL5,32,,ABNL5 Lot# 11114
Misc : WG1994500
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 09:23:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 6:09 pm	Instrument	: Dakota
Sample	: IL5,32,,ABNL5 Lot# 11114	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29578	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.13%		
37) IS1_Naphthalene-d8	5.520	136	108514	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.89%		
65) IS1_Acenaphthene-d10	7.210	164	69464	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 99.87%		
90) IS1_Phenanthrene-d10	8.622	188	149902	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 100.06%		
106) IS1_Chrysene-d12	11.192	240	171800	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 99.29%		
115) IS1_Perylene-d12	12.609	264	200787	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 98.74%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	16767	2.410 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 120.50%#		
7) Phenol-d6	3.984	99	20488	2.291 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 114.55%#		
19) Nitrobenzene-d5	4.833	82	19806	2.431 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 243.10%#		
48) 2-Fluorobiphenyl	6.592	172	57800	2.085 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 208.50%#		
81) 2,4,6-Tribromophenol	7.969	330	10800	2.385 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 119.25%#		
98) 4-Terphenyl-d14	10.191	244	94387	2.334 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 233.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.607	74	10936	2.309 ug/ml#	79
3) Pyridine	1.647	79	17761	2.395 ug/ml#	57
5) Aniline	3.969	93	26004	2.245 ug/ml	97
6) 2-Chlorophenol	4.081	128	20780	2.469 ug/ml#	87
8) Phenol	3.997	94	23244	2.222 ug/ml	95
9) Bis(2-chloroethyl)ether	4.059	93	17155	2.315 ug/ml	95
10) 1,3-Dichlorobenzene	4.224	146	25363	2.048 ug/ml	93
11) 1,4-Dichlorobenzene	4.298	146	26480	2.192 ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	25558	2.203 ug/ml	93
13) Benzyl alcohol	4.450	79	15128	2.316 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	29769	1.973 ug/ml#	63

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	17543	2.380	ug/ml	99
16) Hexachloroethane	4.771	117	9381	2.138	ug/ml#	49
17) n-Nitrosodi-n-propylamine	4.721	70	13382	2.173	ug/ml#	89
18) 3-Methylphenol/4-Methy...	4.749	108	18226	2.331	ug/ml	94
20) Nitrobenzene	4.851	77	19986	2.316	ug/ml	97
21) Isophorone	5.097	82	35708	2.243	ug/ml	94
22) 2-Nitrophenol	5.165	139	9948	2.726	ug/ml#	87
23) 2,4-Dimethylphenol	5.255	107	17802	2.409	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.339	93	22852	2.261	ug/ml#	96
25) 2,4-Dichlorophenol	5.408	162	20663	2.247	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	24934	2.056	ug/ml	97
38) Naphthalene	5.538	128	65418	2.248	ug/ml	99
39) Benzoic Acid	5.330	105	11562	3.334	ug/ml	92
40) 4-Chloroaniline	5.622	65	7308	1.922	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	15656	2.068	ug/ml	98
42) p-Chloro-m-cresol	6.126	107	16669	2.207	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	44702	2.179	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	14070	2.101	ug/ml	91
45) Hexachlorocyclopentadiene	6.390	237	16271	2.236	ug/ml	98
46) 2,4,6-Trichlorophenol	6.508	196	16943	2.111	ug/ml	97
47) 2,4,5-Trichlorophenol	6.536	196	18833	2.135	ug/ml	100
49) 2-Chloronaphthalene	6.676	162	49375	2.058	ug/ml#	93
50) 2-Nitroaniline	6.794	138	12454	2.283	ug/ml#	80
51) 1,4-Dinitrobenzene	6.931	168	5829M3	2.142	ug/ml	
52) 1,3-Dinitrobenzene	7.002	168	6632	2.049	ug/ml#	1
53) Dimethyl phthalate	7.002	163	58737	2.058	ug/ml#	98
54) Acenaphthylene	7.067	152	74072	2.123	ug/ml	99
55) 2,6-Dinitrotoluene	7.040	165	11316	2.355	ug/ml#	73
56) 1,2-Dinitrobenzene	7.080	168	4222	2.242	ug/ml#	1
66) 3-Nitroaniline	7.192	138	12311	2.655	ug/ml	87
67) Acenaphthene	7.238	154	43594	2.260	ug/ml	90
68) 2,4-Dinitrophenol	7.294	184	6486	2.156	ug/ml#	81
69) Dibenzofuran	7.409	168	75940	2.275	ug/ml	89
70) 2,4-Dinitrotoluene	7.422	165	15676	2.449	ug/ml	89
71) 4-Nitrophenol	7.394	65	9042	2.459	ug/ml#	30
72) 2,3,5,6-Tetrachlorophenol	7.503	232	16922	2.504	ug/ml	97
73) 2,3,4,6-Tetrachlorophenol	7.543	232	16643	2.503	ug/ml	97
74) Diethyl phthalate	7.689	149	59292	2.260	ug/ml	97
75) Fluorene	7.736	166	56914	2.175	ug/ml	91
76) 4-Chlorophenyl phenyl ...	7.764	204	29670	2.196	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
77)	4-Nitroaniline	7.770	138	11929	2.318	ug/ml	#	80
78)	4,6-Dinitro-o-cresol	7.807	198	9125	2.353	ug/ml	#	58
79)	NDPA/DPA	7.879	169	49243	2.180	ug/ml		93
80)	Azobenzene	7.910	77	48438	2.303	ug/ml		99
82)	4-Bromophenyl phenyl e...	8.224	248	19203	2.234	ug/ml	#	78
83)	Hexachlorobenzene	8.267	284	24775	2.278	ug/ml	#	79
84)	Pentachlorophenol	8.463	266	13677	2.313	ug/ml		99
91)	Phenanthrene	8.643	178	95445	2.247	ug/ml		100
92)	Anthracene	8.693	178	95270	2.269	ug/ml		99
93)	Carbazole	8.867	167	89548	2.259	ug/ml		98
94)	Di-n-butylphthalate	9.271	149	99712	2.281	ug/ml	#	98
95)	Fluoranthene	9.781	202	117123	2.228	ug/ml	#	91
96)	Benzidine	9.946	184	66293	2.212	ug/ml	#	94
97)	Pyrene	9.989	202	126787	2.267	ug/ml		99
99)	Butyl benzyl phthalate	10.707	149	42406	2.272	ug/ml	#	83
107)	Benzo(a)anthracene	11.183	228	124996	2.205	ug/ml		98
108)	3,3'-Dichlorobenzidine	11.192	252	48853	2.350	ug/ml	#	97
109)	Chrysene	11.217	228	124749	2.283	ug/ml		98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	67600	2.247	ug/ml	#	89
111)	Di-n-octylphthalate	11.994	149	110289	2.229	ug/ml	#	71
112)	Benzo(b)fluoranthene	12.252	252	137623	2.368	ug/ml	#	93
113)	Benzo(k)fluoranthene	12.277	252	129836	2.266	ug/ml	#	94
114)	Benzo(a)pyrene	12.553	252	121012	2.283	ug/ml	#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	132618	2.159	ug/mL	#	88
117)	Dibenzo(a,h)anthracene	13.567	278	135000	2.238	ug/ml	#	89
118)	Benzo(ghi)perylene	13.753	276	128448	2.199	ug/ml	#	85

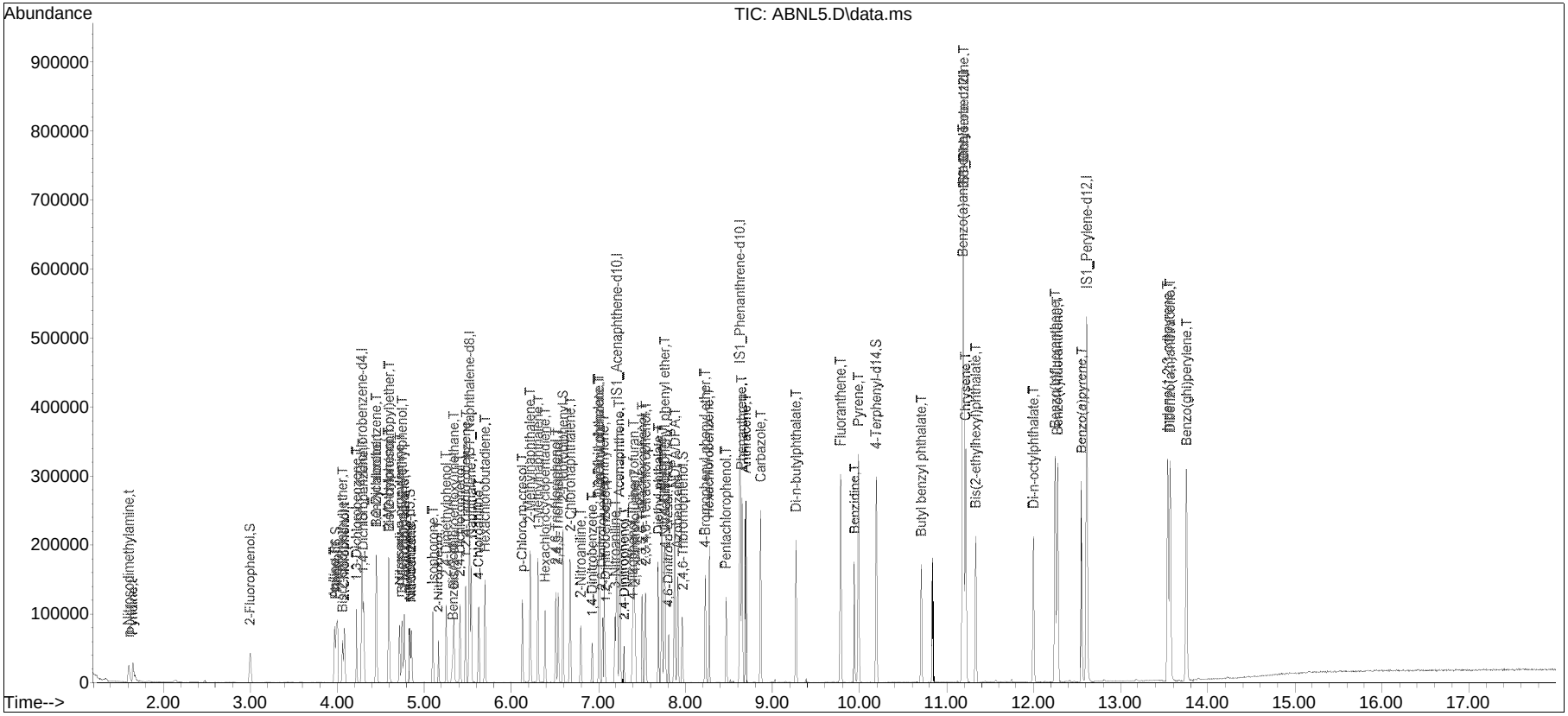
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL5.D
Acq On : 5 Nov 2024 6:33 pm
Operator : Dakota:HNY
Sample : IL6,32,,ABNL2.5 Lot# 11115
Misc : WG1994500
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 09:23:14 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

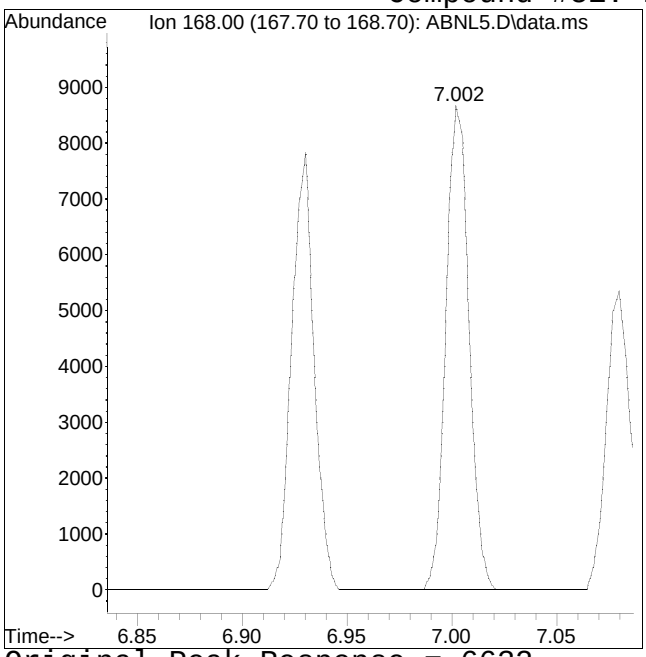


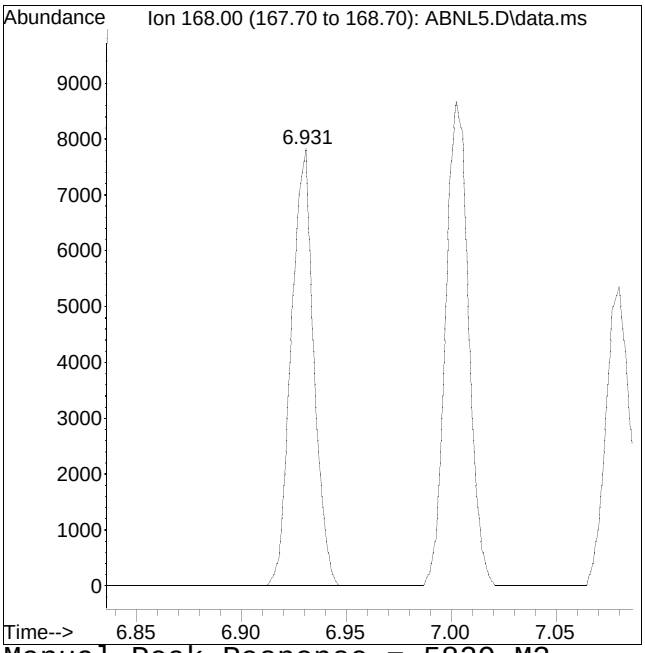
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL5.D
Date Inj'd : 11/5/2024 6:33 pm
Sample : IL6,32,,ABNL2.5 Lot# 11115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





Original Peak Response = 6632 Manual Peak Response = 5829 M3

M3 = 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:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.286	152	29645	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 102.37%		
37) IS1_Naphthalene-d8	5.520	136	107897	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery = 100.32%		
65) IS1_Acenaphthene-d10	7.210	164	70461	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 101.31%		
90) IS1_Phenanthrene-d10	8.621	188	156225	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 104.28%		
106) IS1_Chrysene-d12	11.189	240	175608	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 101.49%		
115) IS1_Perylene-d12	12.609	264	207118	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 101.85%		
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	7494	1.075 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.75%		
7) Phenol-d6	3.987	99	9495	1.059 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.95%		
19) Nitrobenzene-d5	4.833	82	8830	1.081 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 108.10%		
48) 2-Fluorobiphenyl	6.592	172	25387	0.921 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.10%		
81) 2,4,6-Tribromophenol	7.966	330	4669	1.016 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.80%		
98) 4-Terphenyl-d14	10.191	244	42632	1.012 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 101.20%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.613	74	4871	1.026 ug/ml#	81
3) Pyridine	1.662	79	7733M1	1.040 ug/ml	
5) Aniline	3.969	93	11096	0.956 ug/ml	97
6) 2-Chlorophenol	4.081	128	8901	1.055 ug/ml#	89
8) Phenol	4.000	94	10249	0.977 ug/ml	92
9) Bis(2-chloroethyl)ether	4.062	93	7130	0.960 ug/ml	94
10) 1,3-Dichlorobenzene	4.227	146	11504	0.927 ug/ml	95
11) 1,4-Dichlorobenzene	4.301	146	11645	0.962 ug/ml	97
12) 1,2-Dichlorobenzene	4.447	146	11305	0.972 ug/ml	93
13) Benzyl alcohol	4.450	79	6639	1.014 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.593	45	13142	0.869 ug/ml#	65

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	7654	1.036	ug/ml	98
16) Hexachloroethane	4.774	117	4414	1.004	ug/ml#	58
17) n-Nitrosodi-n-propylamine	4.721	70	6013	0.974	ug/ml#	84
18) 3-Methylphenol/4-Methy...	4.749	108	8547	1.091	ug/ml	99
20) Nitrobenzene	4.851	77	8609	0.995	ug/ml	97
21) Isophorone	5.097	82	15106	0.947	ug/ml	98
22) 2-Nitrophenol	5.168	139	4182	1.143	ug/ml#	84
23) 2,4-Dimethylphenol	5.255	107	7792	1.052	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.339	93	9871	0.974	ug/ml#	94
25) 2,4-Dichlorophenol	5.408	162	8821	0.957	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	11026	0.907	ug/ml	97
38) Naphthalene	5.538	128	28272	0.977	ug/ml	99
39) Benzoic Acid	5.321	105	4647	2.316	ug/ml	95
40) 4-Chloroaniline	5.622	65	3160	0.836	ug/ml#	69
41) Hexachlorobutadiene	5.697	225	6855	0.910	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	7198	0.958	ug/ml	89
43) 2-Methylnaphthalene	6.216	142	19005	0.932	ug/ml	94
44) 1-Methylnaphthalene	6.309	115	6294	0.945	ug/ml	92
45) Hexachlorocyclopentadiene	6.390	237	7064	0.976	ug/ml	95
46) 2,4,6-Trichlorophenol	6.508	196	7192	0.901	ug/ml	99
47) 2,4,5-Trichlorophenol	6.539	196	8343	0.951	ug/ml	94
49) 2-Chloronaphthalene	6.679	162	21923	0.919	ug/ml	93
50) 2-Nitroaniline	6.797	138	5587	1.030	ug/ml#	74
51) 1,4-Dinitrobenzene	6.928	168	2433	0.899	ug/ml	87
52) 1,3-Dinitrobenzene	7.005	168	2825	0.878	ug/ml#	1
53) Dimethyl phthalate	7.002	163	25243	0.890	ug/ml#	98
54) Acenaphthylene	7.067	152	32446	0.935	ug/ml	100
55) 2,6-Dinitrotoluene	7.039	165	4692	0.982	ug/ml#	77
56) 1,2-Dinitrobenzene	7.080	168	1810	0.967	ug/ml#	1
66) 3-Nitroaniline	7.192	138	5066	1.077	ug/ml#	88
67) Acenaphthene	7.238	154	19239	0.983	ug/ml	85
68) 2,4-Dinitrophenol	7.291	184	2292	0.751	ug/ml#	84
69) Dibenzofuran	7.409	168	34238	1.011	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	6155	0.948	ug/ml#	88
71) 4-Nitrophenol	7.394	65	3892	1.044	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	7152	1.043	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.546	232	7236	1.073	ug/ml	98
74) Diethyl phthalate	7.689	149	25683	0.965	ug/ml	97
75) Fluorene	7.736	166	26341	0.992	ug/ml	94
76) 4-Chlorophenyl phenyl ...	7.764	204	13510	0.986	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	5206	0.997	ug/ml	81
78)	4,6-Dinitro-o-cresol	7.807	198	3785	1.190	ug/ml#	56
79)	NDPA/DPA	7.879	169	22405	0.978	ug/ml	95
80)	Azobenzene	7.910	77	21474	1.007	ug/ml	98
82)	4-Bromophenyl phenyl e...	8.227	248	8392	0.962	ug/ml#	80
83)	Hexachlorobenzene	8.267	284	10855	0.984	ug/ml#	81
84)	Pentachlorophenol	8.463	266	5643	0.941	ug/ml	96
91)	Phenanthrene	8.643	178	44283	1.000	ug/ml	99
92)	Anthracene	8.693	178	42879	0.980	ug/ml	99
93)	Carbazole	8.867	167	39554	0.957	ug/ml	98
94)	Di-n-butylphthalate	9.271	149	43140	0.947	ug/ml	98
95)	Fluoranthene	9.781	202	52758	0.963	ug/ml#	92
96)	Benzidine	9.946	184	27185	0.870	ug/ml#	94
97)	Pyrene	9.989	202	57764	0.991	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	17465	0.898	ug/ml#	80
107)	Benzo(a)anthracene	11.183	228	56317	0.972	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	20507	0.965	ug/ml#	97
109)	Chrysene	11.217	228	56651	1.014	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.335	149	27758	0.903	ug/ml#	89
111)	Di-n-octylphthalate	11.994	149	44645	0.883	ug/ml#	71
112)	Benzo(b)fluoranthene	12.252	252	60227	1.014	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	57698	0.985	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	52945	0.977	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	56228	0.887	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	59013	0.948	ug/ml#	90
118)	Benzo(ghi)perylene	13.750	276	56806	0.943	ug/ml#	87

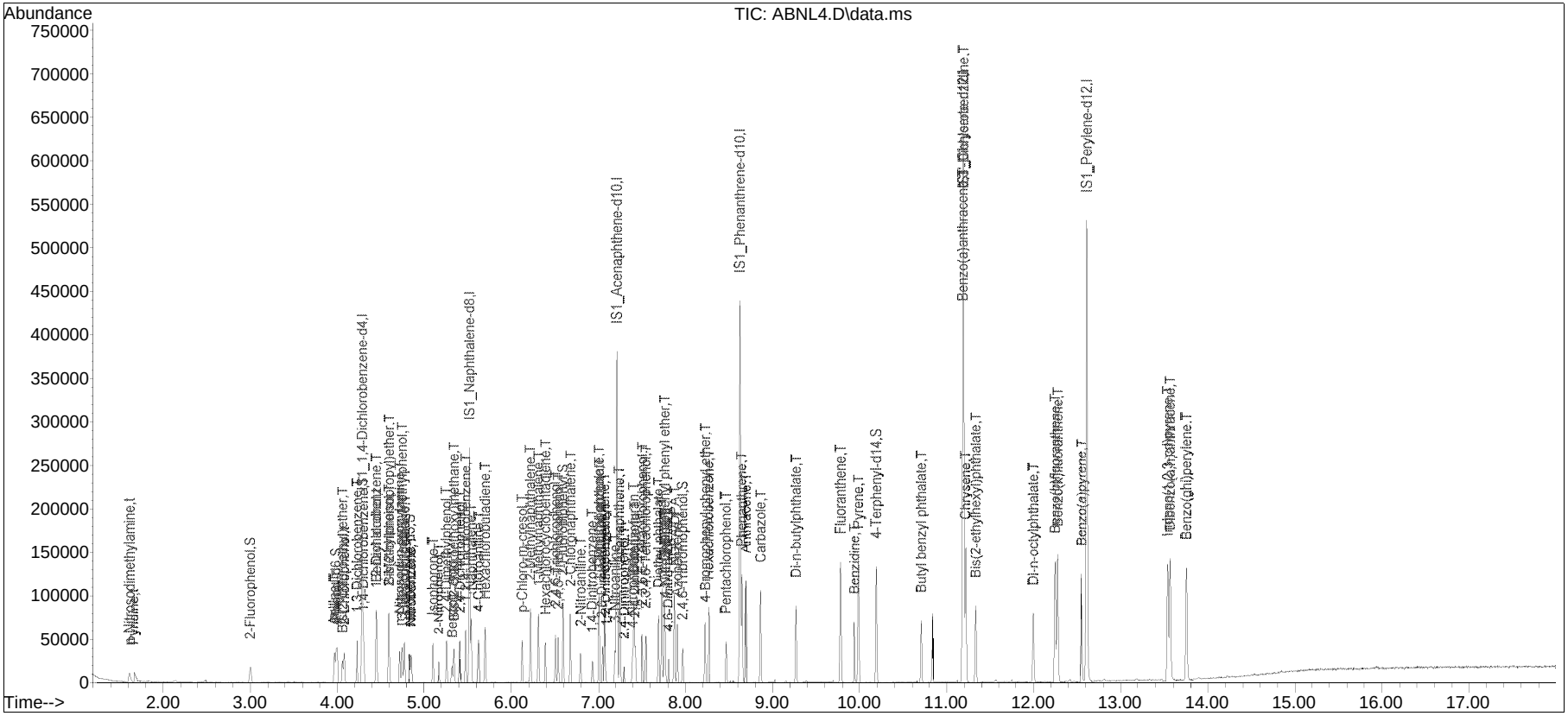
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL4.D
Acq On : 5 Nov 2024 6:56 pm
Operator : Dakota:HNY
Sample : IL7,32,,ABNL1 Lot# 11116
Misc : WG1994500
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 09:21:32 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

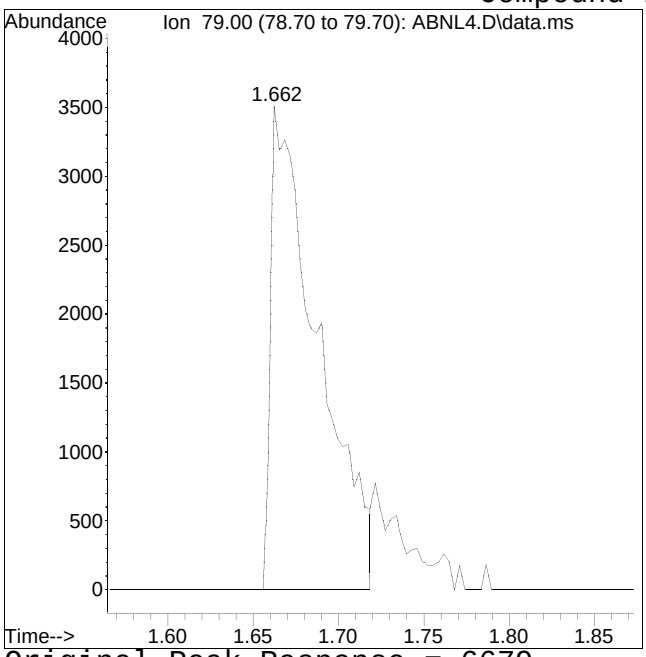
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

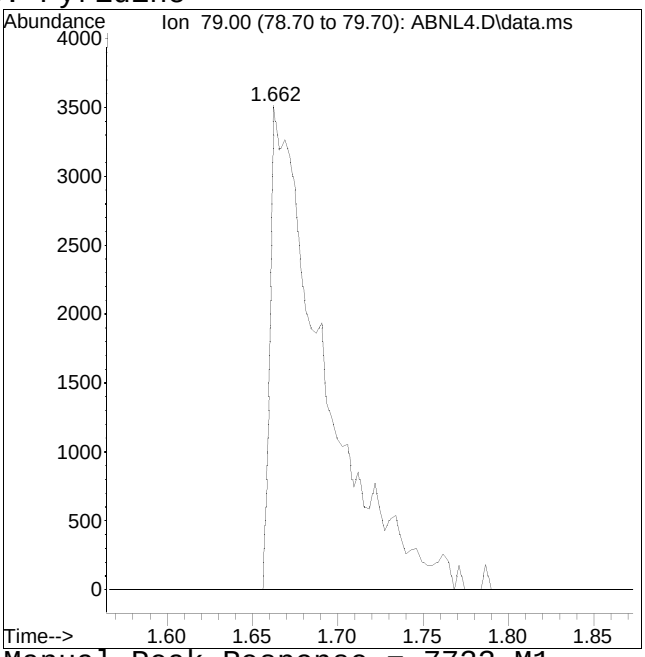


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL4.D
Date Inj'd : 11/5/2024 6:56 pm
Sample : IL7,32,,ABNL1 Lot# 11116
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine





Original Peak Response = 6679 Manual Peak Response = 7733 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	29418	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery =	101.58%	
37) IS1_Naphthalene-d8	5.520	136	107040	4.000 ug/ml	# 0.00
Standard Area 1 = 107558			Recovery =	99.52%	
65) IS1_Acenaphthene-d10	7.210	164	69588	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery =	100.05%	
90) IS1_Phenanthrene-d10	8.625	188	154469	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery =	103.11%	
106) IS1_Chrysene-d12	11.189	240	171586	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery =	99.16%	
115) IS1_Perylene-d12	12.609	264	198191	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery =	97.46%	
System Monitoring Compounds					
4) 2-Fluorophenol	2.999	112	4114	0.594 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	29.70%	
7) Phenol-d6	3.984	99	5099	0.573 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	28.65%	
19) Nitrobenzene-d5	4.833	82	4322	0.533 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	53.30%	
48) 2-Fluorobiphenyl	6.592	172	14074	0.515 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	51.50%	
81) 2,4,6-Tribromophenol	7.969	330	2419	0.533 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.65%	
98) 4-Terphenyl-d14	10.191	244	23205	0.557 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.70%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.616	74	2320	0.493 ug/ml#	84
3) Pyridine	1.678	79	3401	0.461 ug/ml#	52
5) Aniline	3.969	93	6141	0.533 ug/ml#	95
6) 2-Chlorophenol	4.081	128	4589	0.548 ug/ml	91
8) Phenol	3.997	94	5365	0.516 ug/ml	98
9) Bis(2-chloroethyl)ether	4.062	93	3944	0.535 ug/ml#	73
10) 1,3-Dichlorobenzene	4.224	146	6253	0.508 ug/ml	94
11) 1,4-Dichlorobenzene	4.301	146	5896	0.491 ug/ml	96
12) 1,2-Dichlorobenzene	4.447	146	6085	0.527 ug/ml	93
13) Benzyl alcohol	4.450	79	3277	0.504 ug/ml	92
14) Bis(2-chloroisopropyl)...	4.596	45	6779	0.452 ug/ml#	57

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	4182	0.571	ug/ml	98
16) Hexachloroethane	4.774	117	2279	0.522	ug/ml#	55
17) n-Nitrosodi-n-propylamine	4.724	70	3148	0.514	ug/ml#	83
18) 3-Methylphenol/4-Methy...	4.749	108	4315	0.555	ug/ml#	96
20) Nitrobenzene	4.851	77	4733	0.551	ug/ml	92
21) Isophorone	5.097	82	8339	0.527	ug/ml#	94
22) 2-Nitrophenol	5.168	139	2238	0.617	ug/ml#	83
23) 2,4-Dimethylphenol	5.255	107	3990	0.543	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.342	93	5699	0.567	ug/ml#	88
25) 2,4-Dichlorophenol	5.408	162	4928	0.539	ug/ml#	90
26) 1,2,4-Trichlorobenzene	5.479	180	5828	0.483	ug/ml#	93
38) Naphthalene	5.538	128	15620	0.544	ug/ml	99
39) Benzoic Acid	5.314	105	2055	1.933	ug/ml	93
40) 4-Chloroaniline	5.619	65	1649	0.440	ug/ml#	73
41) Hexachlorobutadiene	5.697	225	3809	0.510	ug/ml	97
42) p-Chloro-m-cresol	6.126	107	4123	0.553	ug/ml	94
43) 2-Methylnaphthalene	6.216	142	10794	0.533	ug/ml	96
44) 1-Methylnaphthalene	6.309	115	3402	0.515	ug/ml	90
45) Hexachlorocyclopentadiene	6.390	237	3753	0.523	ug/ml#	92
46) 2,4,6-Trichlorophenol	6.508	196	3730	0.471	ug/ml	96
47) 2,4,5-Trichlorophenol	6.536	196	4171	0.479	ug/ml	94
49) 2-Chloronaphthalene	6.676	162	11828	0.500	ug/ml#	92
50) 2-Nitroaniline	6.797	138	2840	0.528	ug/ml#	79
51) 1,4-Dinitrobenzene	6.928	168	1198	0.446	ug/ml	98
52) 1,3-Dinitrobenzene	7.002	168	1608	0.504	ug/ml#	1
53) Dimethyl phthalate	7.002	163	13663	0.485	ug/ml#	93
54) Acenaphthylene	7.067	152	17423	0.506	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	2472	0.522	ug/ml#	72
56) 1,2-Dinitrobenzene	7.077	168	869	0.468	ug/ml#	1
66) 3-Nitroaniline	7.192	138	2555	0.550	ug/ml#	87
67) Acenaphthene	7.238	154	10391	0.538	ug/ml	86
68) 2,4-Dinitrophenol	7.294	184	1122	0.372	ug/ml#	60
69) Dibenzofuran	7.409	168	18140	0.543	ug/ml	90
70) 2,4-Dinitrotoluene	7.422	165	3188	0.497	ug/ml#	87
71) 4-Nitrophenol	7.397	65	1815	0.493	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.503	232	3995	0.590	ug/ml	95
73) 2,3,4,6-Tetrachlorophenol	7.546	232	3636	0.546	ug/ml	95
74) Diethyl phthalate	7.686	149	14100	0.537	ug/ml	97
75) Fluorene	7.736	166	13902	0.530	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	7123	0.526	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	2602	0.505	ug/ml	82
78)	4,6-Dinitro-o-cresol	7.807	198	1926	0.800	ug/ml#	53
79)	NDPA/DPA	7.879	169	12162	0.537	ug/ml	95
80)	Azobenzene	7.910	77	11871	0.563	ug/ml	97
82)	4-Bromophenyl phenyl e...	8.227	248	4868	0.565	ug/ml#	77
83)	Hexachlorobenzene	8.270	284	5936	0.545	ug/ml#	81
84)	Pentachlorophenol	8.463	266	2717	0.459	ug/ml	95
91)	Phenanthrene	8.643	178	23436	0.535	ug/ml	96
92)	Anthracene	8.693	178	22990	0.531	ug/ml	98
93)	Carbazole	8.867	167	21414	0.524	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	23305	0.517	ug/ml#	98
95)	Fluoranthene	9.781	202	28196	0.521	ug/ml#	91
96)	Benzidine	9.946	184	13470	0.436	ug/ml#	94
97)	Pyrene	9.989	202	30155	0.523	ug/ml	98
99)	Butyl benzyl phthalate	10.707	149	9250	0.481	ug/ml#	83
107)	Benzo(a)anthracene	11.183	228	30189	0.533	ug/ml	99
108)	3,3'-Dichlorobenzidine	11.192	252	10487	0.505	ug/ml#	97
109)	Chrysene	11.217	228	31185	0.571	ug/ml	99
110)	Bis(2-ethylhexyl)phtha...	11.335	149	14256	0.474	ug/ml#	89
111)	Di-n-octylphthalate	11.991	149	22394	0.453	ug/ml#	74
112)	Benzo(b)fluoranthene	12.252	252	31504	0.543	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	30567	0.534	ug/ml#	93
114)	Benzo(a)pyrene	12.553	252	26723	0.505	ug/ml#	92
116)	Indeno(1,2,3-cd)pyrene	13.542	276	29560	0.488	ug/mL#	88
117)	Dibenzo(a,h)anthracene	13.567	278	30045	0.505	ug/ml#	89
118)	Benzo(ghi)perylene	13.750	276	30478	0.529	ug/ml#	84

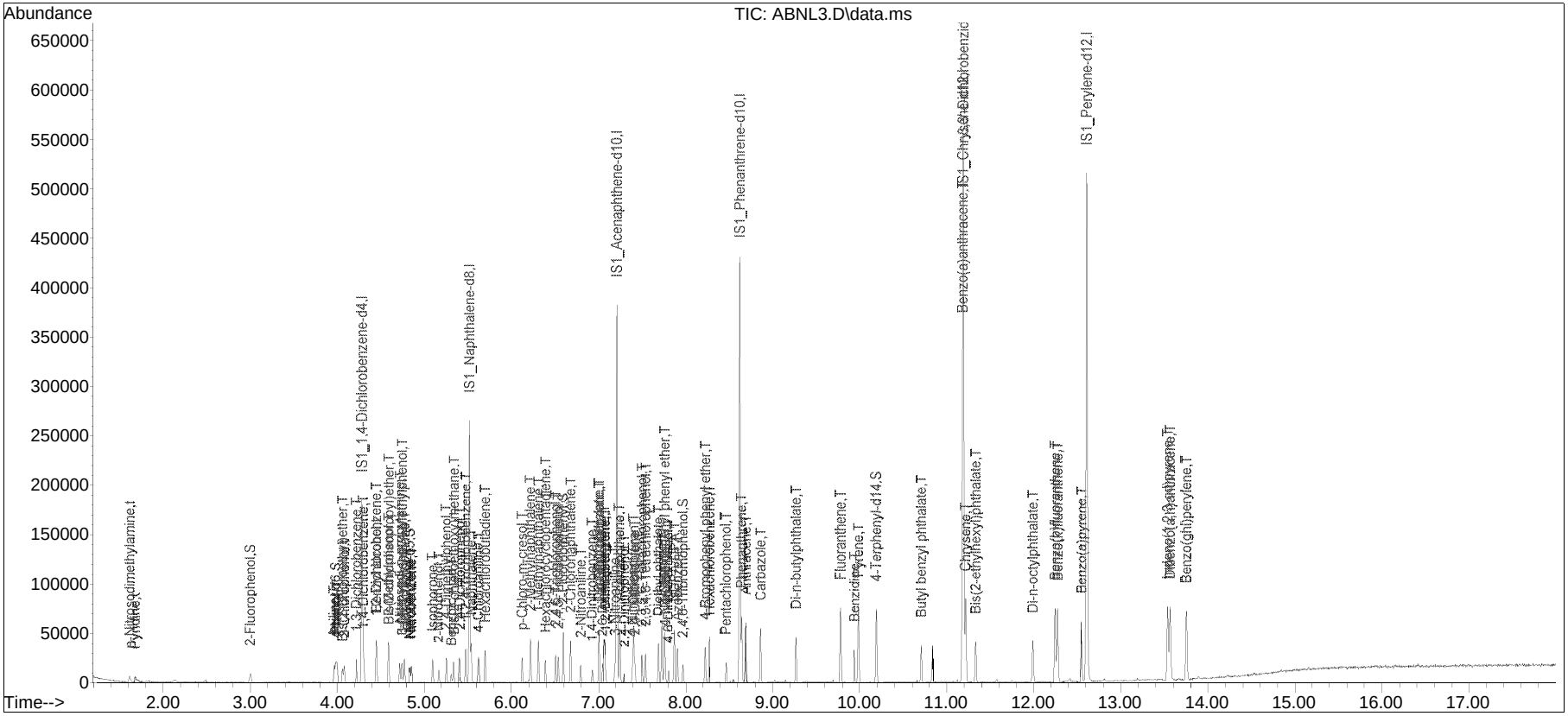
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL3.D
Acq On : 5 Nov 2024 7:19 pm
Operator : Dakota:HNY
Sample : IL8,32,,ABNL0.5 Lot# 11117
Misc : WG1994500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 09:19:46 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ABNL3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 7:19 pm	Instrument	: Dakota
Sample	: IL8,32,,ABNL0.5 Lot# 11117	Quant Date	: 11/6/2024 8:35 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.283	152	26744	4.000 ug/ml	0.00
Standard Area 1 = 28960			Recovery = 92.35%		
37) IS1_Naphthalene-d8	5.520	136	97597	4.000 ug/ml	0.00
Standard Area 1 = 107558			Recovery = 90.74%		
65) IS1_Acenaphthene-d10	7.210	164	61798	4.000 ug/ml	0.00
Standard Area 1 = 69553			Recovery = 88.85%		
90) IS1_Phenanthrene-d10	8.621	188	140419	4.000 ug/ml	0.00
Standard Area 1 = 149813			Recovery = 93.73%		
106) IS1_Chrysene-d12	11.189	240	157363	4.000 ug/ml	0.00
Standard Area 1 = 173036			Recovery = 90.94%		
115) IS1_Perylene-d12	12.609	264	178706	4.000 ug/ml	0.00
Standard Area 1 = 203359			Recovery = 87.88%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.002	112	1343	0.213 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#		
7) Phenol-d6	3.984	99	1724	0.213 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.65%#		
19) Nitrobenzene-d5	4.836	82	1535	0.208 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 20.80%#		
48) 2-Fluorobiphenyl	6.592	172	4771	0.191 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.10%#		
81) 2,4,6-Tribromophenol	7.969	330	885	0.220 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#		
98) 4-Terphenyl-d14	10.188	244	7997	0.211 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 21.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.619	74	731	0.171 ug/ml#	88
3) Pyridine	1.703	79	992	0.148 ug/ml#	1
5) Aniline	3.972	93	1909	0.182 ug/ml#	77
6) 2-Chlorophenol	4.077	128	1411	0.185 ug/ml#	71
8) Phenol	4.000	94	1770	0.187 ug/ml#	73
9) Bis(2-chloroethyl)ether	4.062	93	1212	0.181 ug/ml#	73
10) 1,3-Dichlorobenzene	4.227	146	1946M3	0.174 ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	2074	0.190 ug/ml	93
12) 1,2-Dichlorobenzene	4.450	146	2094	0.200 ug/ml	92
13) Benzyl alcohol	4.453	79	1147	0.194 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.593	45	2334	0.171 ug/ml#	51

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.590	108	1387	0.208	ug/ml#	89
16) Hexachloroethane	4.774	117	675	0.170	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.724	70	1115	0.200	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.749	108	1604	0.227	ug/ml#	96
20) Nitrobenzene	4.854	77	1500	0.192	ug/ml#	85
21) Isophorone	5.100	82	2890	0.201	ug/ml#	65
22) 2-Nitrophenol	5.165	139	785	0.238	ug/ml#	31
23) 2,4-Dimethylphenol	5.255	107	1345	0.201	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.339	93	1764	0.193	ug/ml#	89
25) 2,4-Dichlorophenol	5.408	162	1570	0.189	ug/ml#	75
26) 1,2,4-Trichlorobenzene	5.479	180	2035	0.186	ug/ml	88
38) Naphthalene	5.538	128	5444	0.208	ug/ml	99
39) Benzoic Acid	5.311	105	305M2	1.675	ug/ml	
40) 4-Chloroaniline	5.622	65	556	0.163	ug/ml#	56
41) Hexachlorobutadiene	5.697	225	1142	0.168	ug/ml	96
42) p-Chloro-m-cresol	6.126	107	1357	0.200	ug/ml#	82
43) 2-Methylnaphthalene	6.219	142	3600	0.195	ug/ml	95
44) 1-Methylnaphthalene	6.306	115	1113M3	0.185	ug/ml	
45) Hexachlorocyclopentadiene	6.390	237	1098	0.168	ug/ml#	87
46) 2,4,6-Trichlorophenol	6.508	196	1360	0.188	ug/ml#	83
47) 2,4,5-Trichlorophenol	6.539	196	1464	0.185	ug/ml#	83
49) 2-Chloronaphthalene	6.679	162	4378	0.203	ug/ml#	91
50) 2-Nitroaniline	6.794	138	967	0.197	ug/ml#	44
51) 1,4-Dinitrobenzene	6.928	168	309M2	0.126	ug/ml	
52) 1,3-Dinitrobenzene	7.005	168	453M2	0.156	ug/ml	
53) Dimethyl phthalate	7.002	163	4834	0.188	ug/ml#	77
54) Acenaphthylene	7.067	152	5876	0.187	ug/ml	100
55) 2,6-Dinitrotoluene	7.043	165	768	0.178	ug/ml#	50
56) 1,2-Dinitrobenzene	7.083	168	212M2	0.125	ug/ml	
66) 3-Nitroaniline	7.192	138	892	0.216	ug/ml#	67
67) Acenaphthene	7.238	154	3717	0.217	ug/ml	91
68) 2,4-Dinitrophenol	7.291	184	291M2	0.109	ug/ml	
69) Dibenzofuran	7.409	168	6564	0.221	ug/ml	96
70) 2,4-Dinitrotoluene	7.422	165	1006	0.177	ug/ml#	60
71) 4-Nitrophenol	7.394	65	638	0.195	ug/ml#	1
72) 2,3,5,6-Tetrachlorophenol	7.506	232	1294	0.215	ug/ml	87
73) 2,3,4,6-Tetrachlorophenol	7.546	232	1161	0.196	ug/ml	92
74) Diethyl phthalate	7.686	149	4946	0.212	ug/ml	96
75) Fluorene	7.736	166	4961	0.213	ug/ml	87
76) 4-Chlorophenyl phenyl ...	7.761	204	2543	0.212	ug/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.770	138	798	0.174	ug/ml#	80
78)	4,6-Dinitro-o-cresol	7.810	198	460M2	0.497	ug/ml	
79)	NDPA/DPA	7.879	169	4188	0.208	ug/ml	88
80)	Azobenzene	7.910	77	4014	0.215	ug/ml#	95
82)	4-Bromophenyl phenyl e...	8.227	248	1681	0.220	ug/ml#	82
83)	Hexachlorobenzene	8.267	284	2219	0.229	ug/ml#	76
84)	Pentachlorophenol	8.466	266	864	0.164	ug/ml	98
91)	Phenanthrene	8.643	178	8748	0.220	ug/ml	98
92)	Anthracene	8.690	178	8056	0.205	ug/ml	99
93)	Carbazole	8.864	167	7288	0.196	ug/ml	99
94)	Di-n-butylphthalate	9.271	149	7684	0.188	ug/ml#	93
95)	Fluoranthene	9.781	202	10128	0.206	ug/ml#	92
96)	Benzidine	9.945	184	4612	0.164	ug/ml#	86
97)	Pyrene	9.989	202	10851	0.207	ug/ml	99
99)	Butyl benzyl phthalate	10.707	149	2914	0.167	ug/ml#	82
107)	Benzo(a)anthracene	11.179	228	10880	0.210	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.192	252	3454	0.181	ug/ml	98
109)	Chrysene	11.217	228	10803	0.216	ug/ml	96
110)	Bis(2-ethylhexyl)phtha...	11.335	149	4698	0.170	ug/ml#	85
111)	Di-n-octylphthalate	11.994	149	8032	0.177	ug/ml#	73
112)	Benzo(b)fluoranthene	12.252	252	11034	0.207	ug/ml#	93
113)	Benzo(k)fluoranthene	12.277	252	9946	0.189	ug/ml#	94
114)	Benzo(a)pyrene	12.553	252	9411	0.194	ug/ml#	91
116)	Indeno(1,2,3-cd)pyrene	13.538	276	10109	0.185	ug/mL#	89
117)	Dibenzo(a,h)anthracene	13.566	278	10097	0.188	ug/ml#	90
118)	Benzo(ghi)perylene	13.747	276	10475	0.201	ug/ml#	84

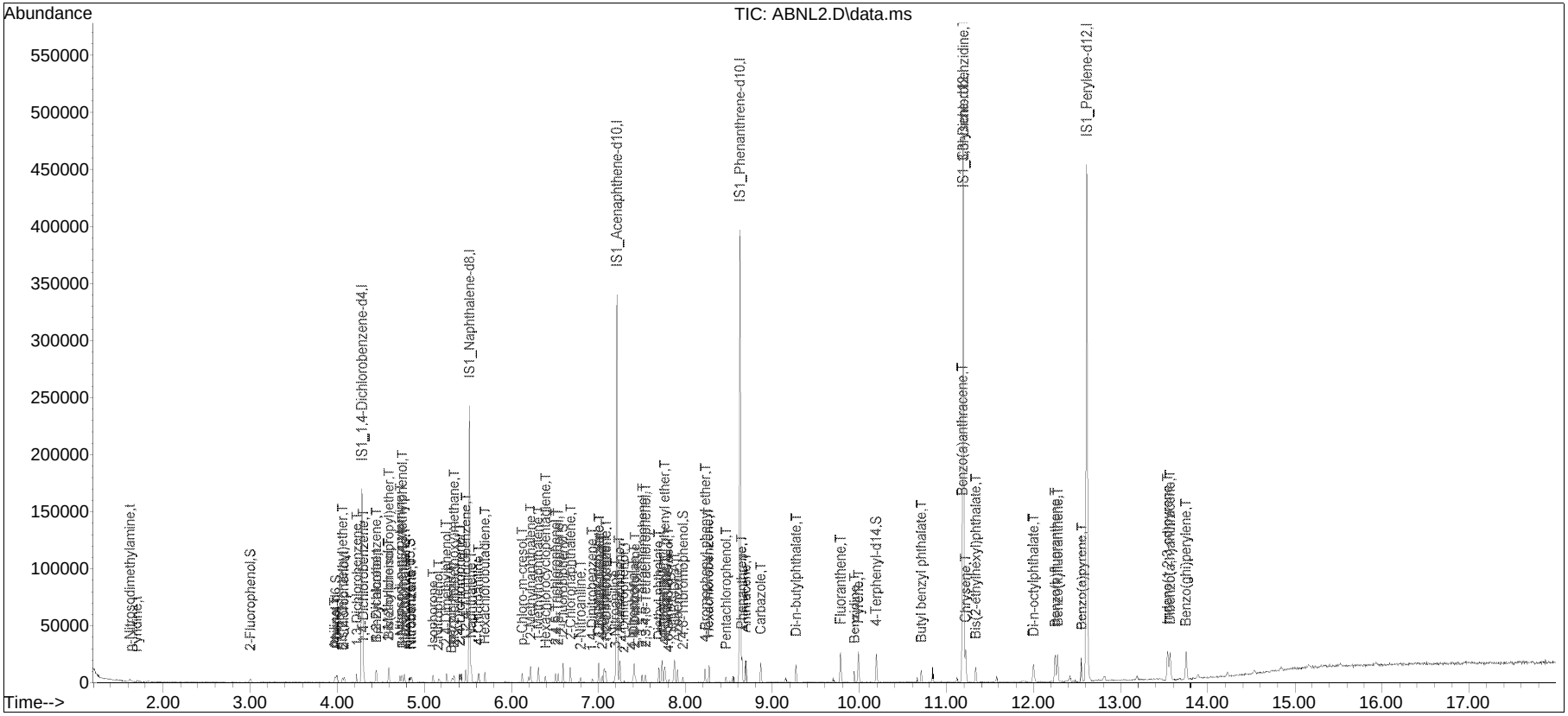
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL2.D
Acq On : 5 Nov 2024 7:42 pm
Operator : Dakota:HNY
Sample : IL9,32,,ABNL0.2 Lot# 11149
Misc : WG1994500
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 09:19:20 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

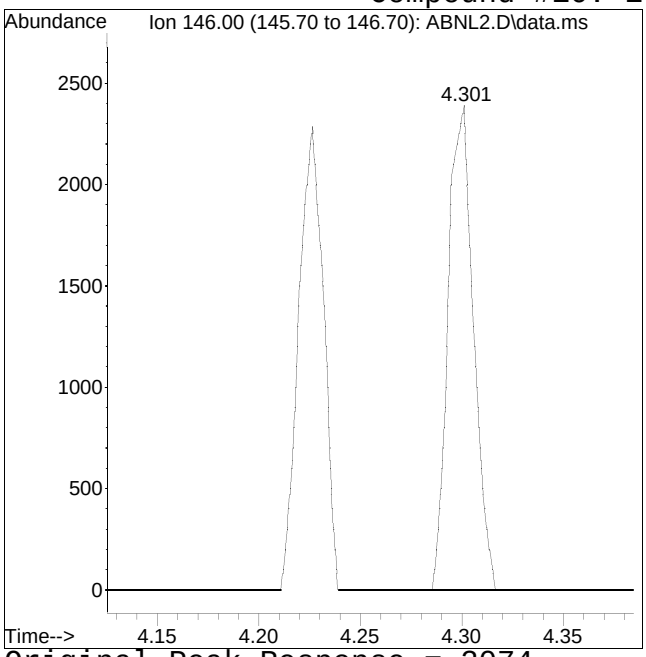
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

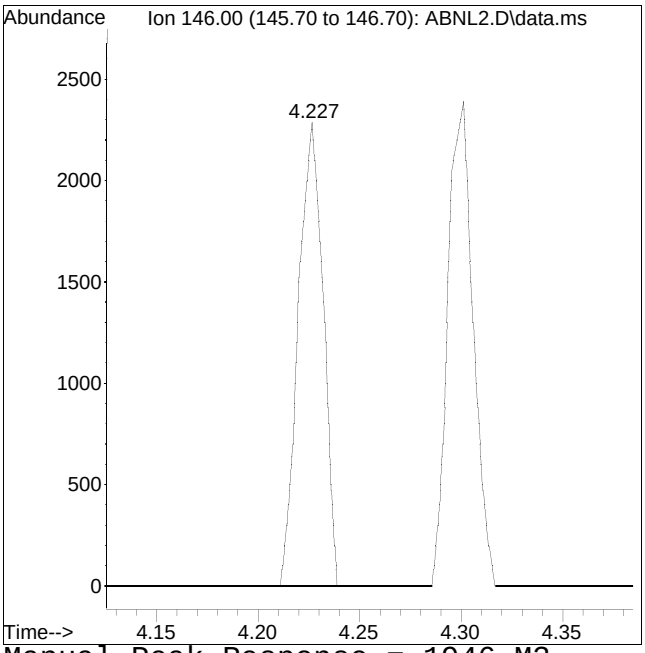


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





Original Peak Response = 2074 Manual Peak Response = 1946 M3

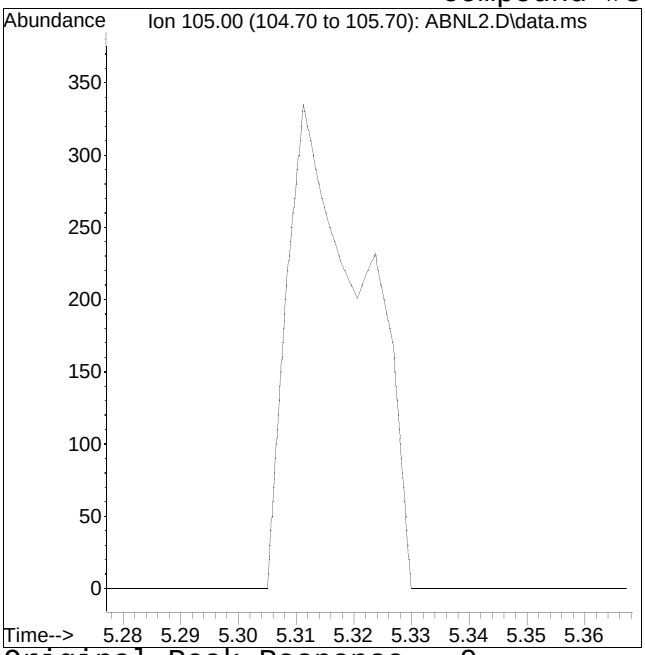
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

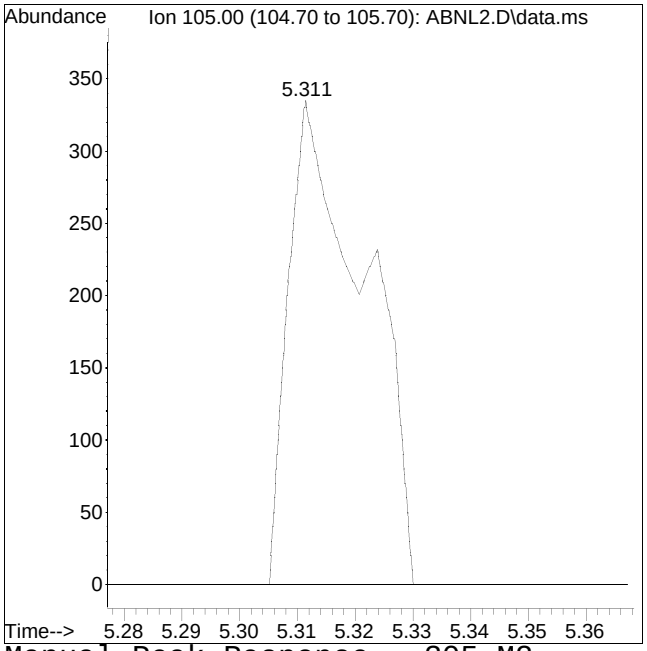
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



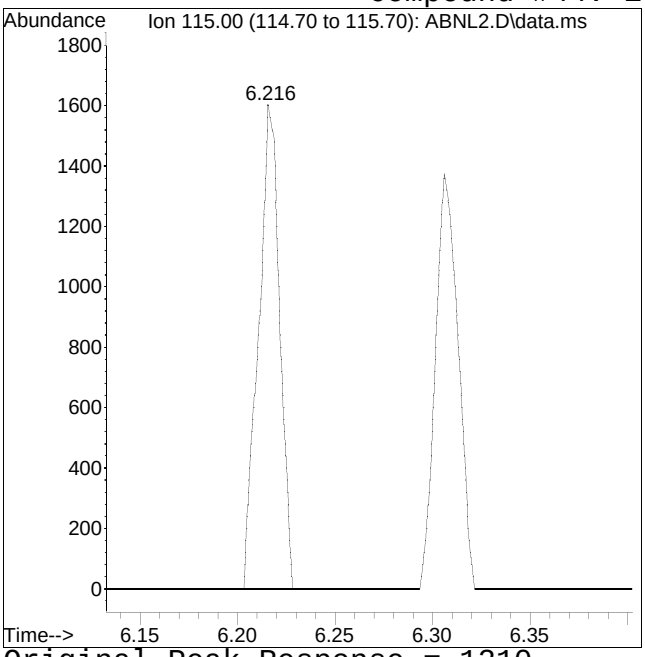
Manual Peak Response = 305 M2

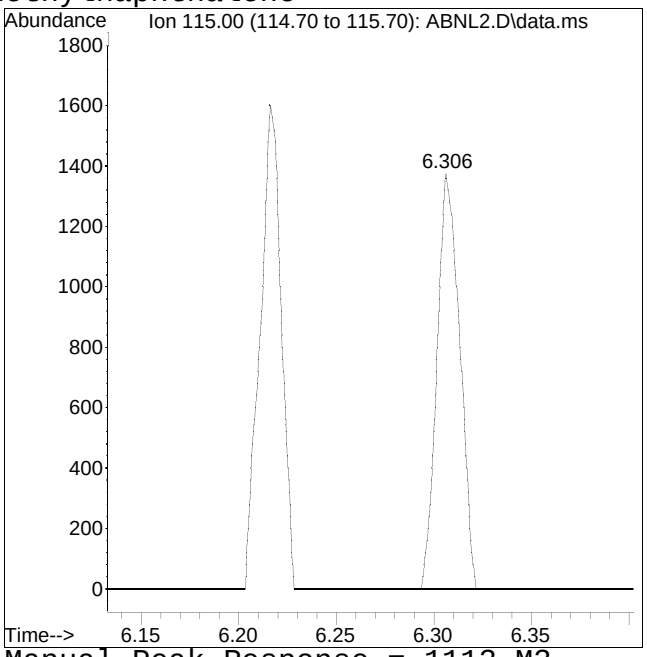
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #44: 1-Methylnaphthalene





Original Peak Response = 1210 Manual Peak Response = 1113 M3

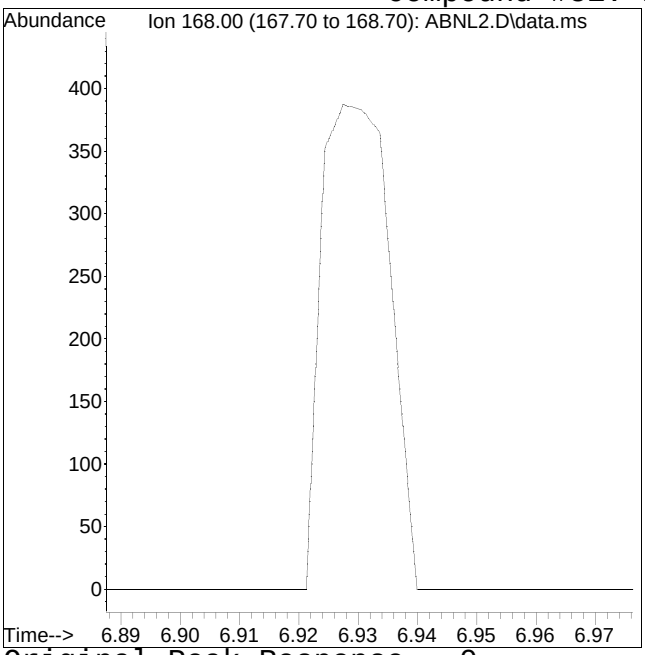
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

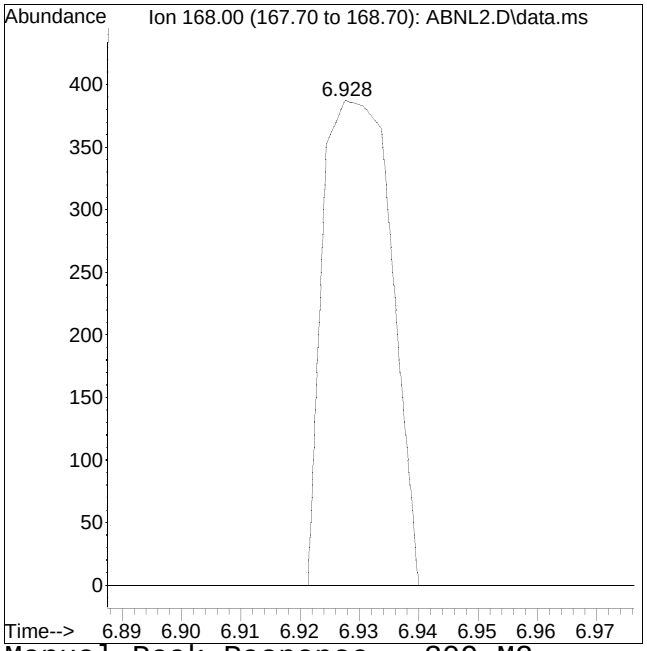
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene





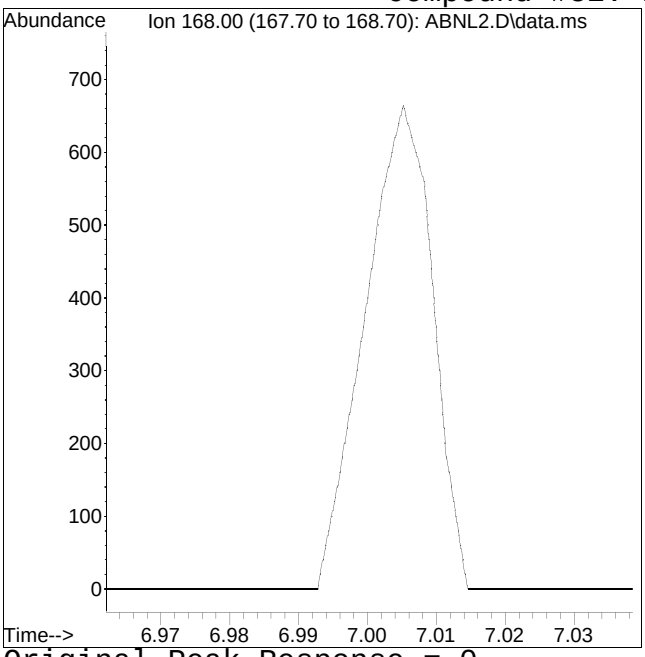
Original Peak Response = 0
Manual Peak Response = 309 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

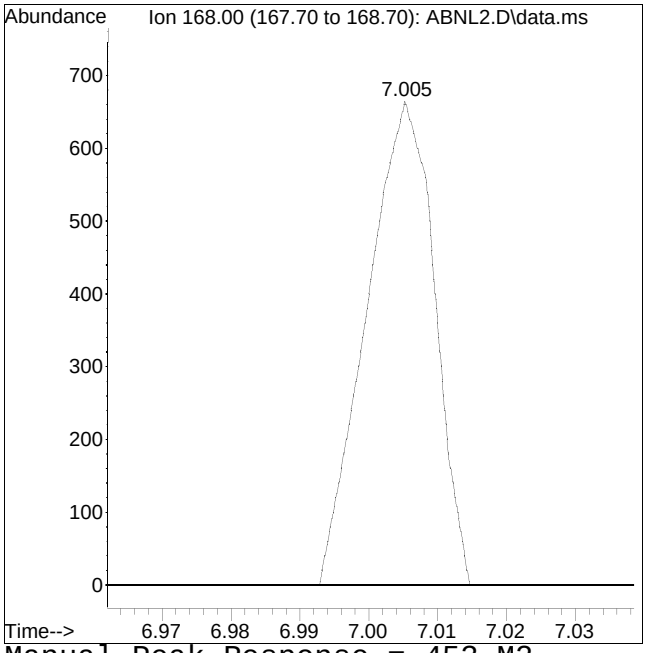
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 453 M2

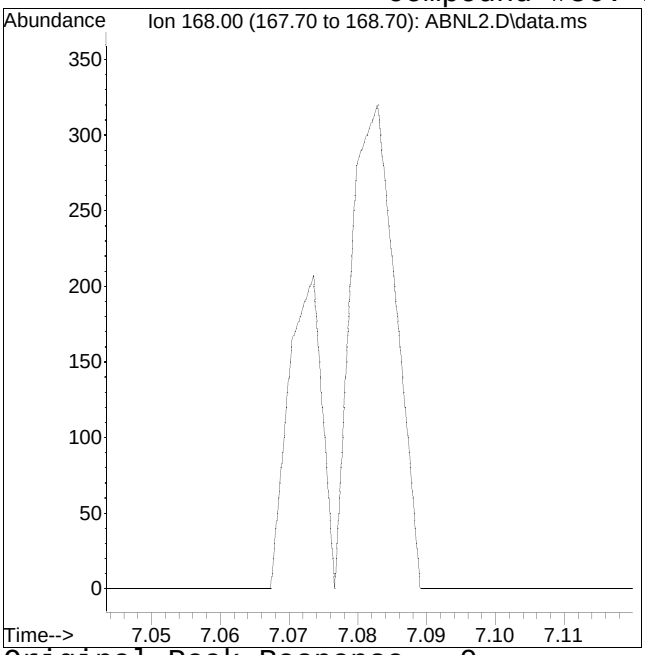
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

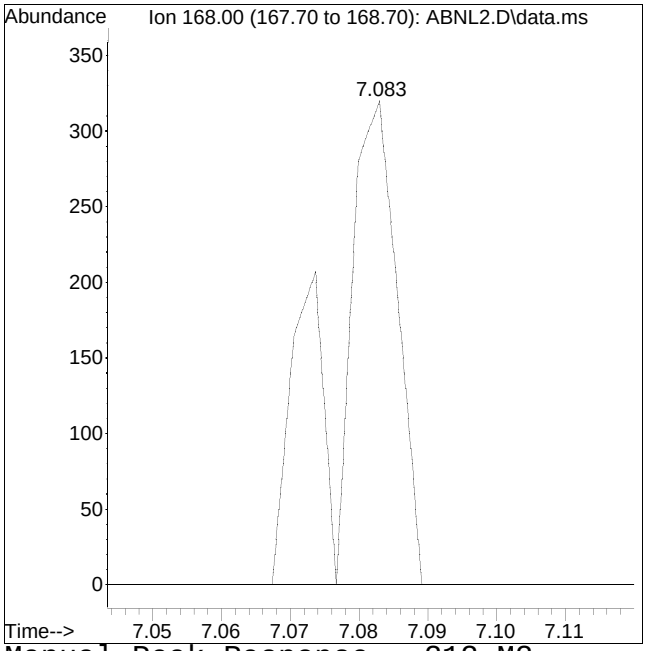
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



Manual Peak Response = 212 M2

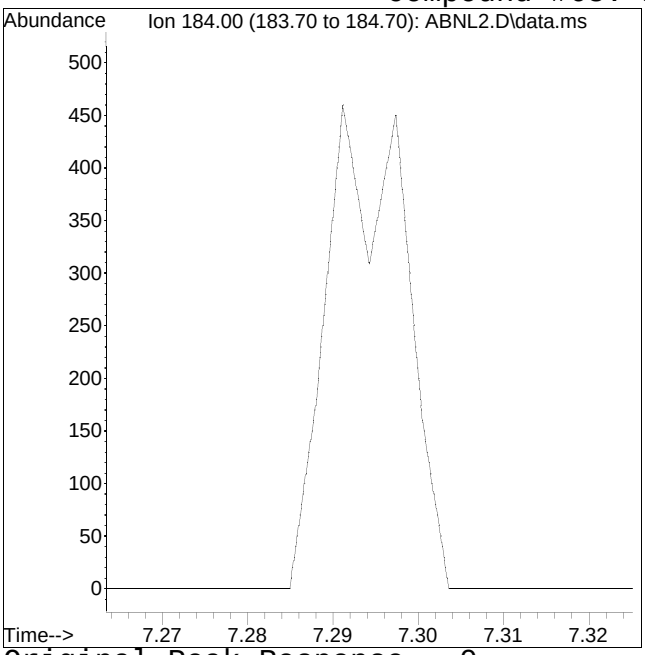
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

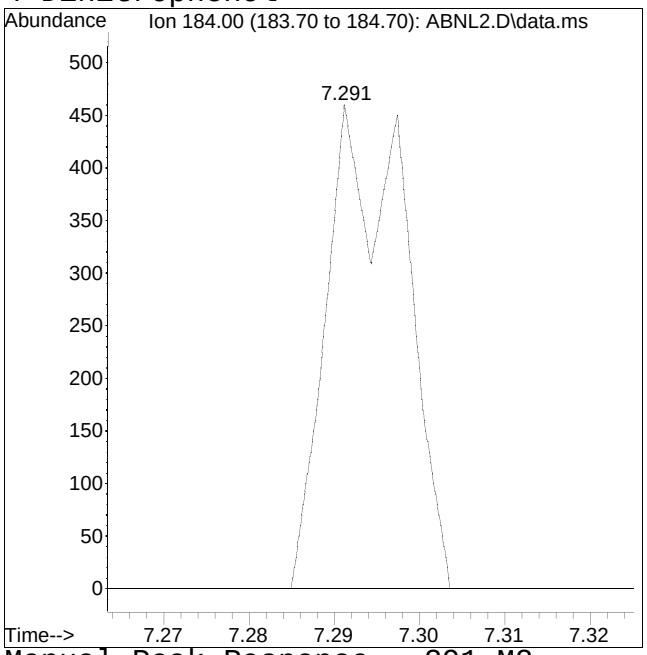
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



Original Peak Response = 0



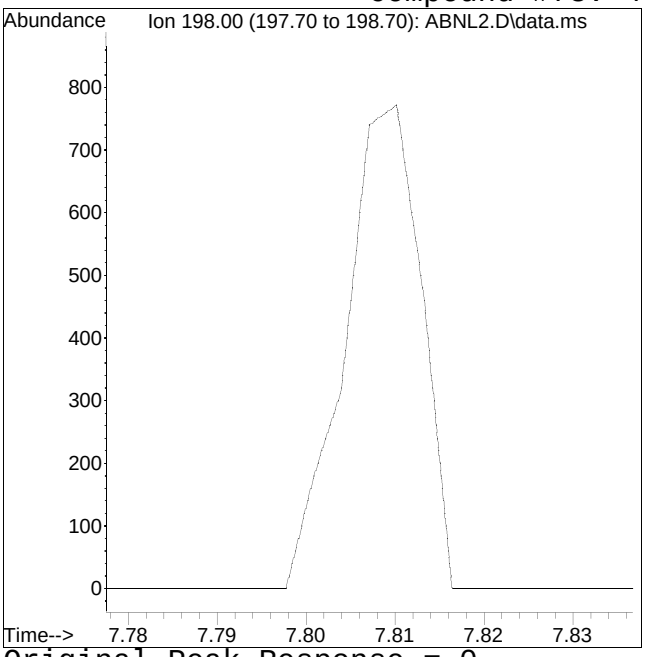
Manual Peak Response = 291 M2

M2 = Peak not found by automatic integration algorithm.

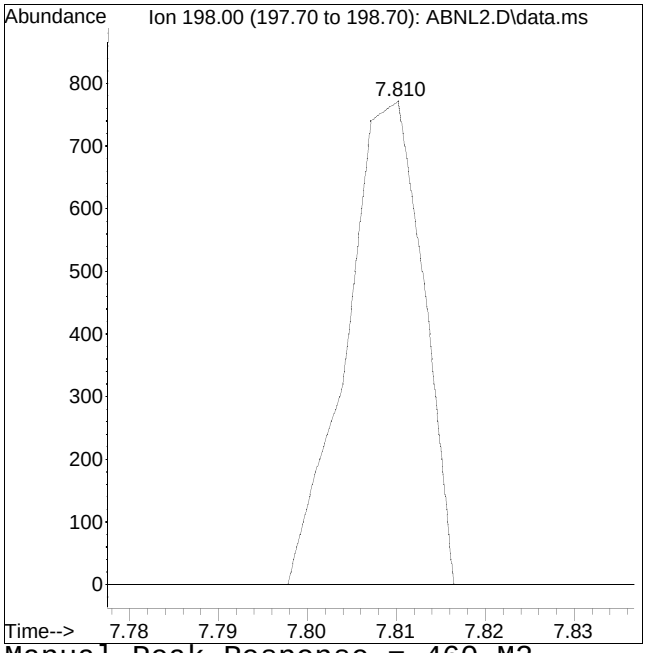
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL2.D
Date Inj'd : 11/5/2024 7:42 pm
Sample : IL9,32,,ABNL0.2 Lot# 11149
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 460 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	27369	4.000	ug/ml	0.00
Standard Area 1 = 28960			Recovery = 94.51%			
37) IS1_Naphthalene-d8	5.520	136	99976	4.000	ug/ml	0.00
Standard Area 1 = 107558			Recovery = 92.95%			
65) IS1_Acenaphthene-d10	7.210	164	64152	4.000	ug/ml	0.00
Standard Area 1 = 69553			Recovery = 92.23%			
90) IS1_Phenanthrene-d10	8.621	188	144467	4.000	ug/ml	0.00
Standard Area 1 = 149813			Recovery = 96.43%			
106) IS1_Chrysene-d12	11.189	240	161244	4.000	ug/ml	0.00
Standard Area 1 = 173036			Recovery = 93.19%			
115) IS1_Perylene-d12	12.609	264	182414	4.000	ug/ml	0.00
Standard Area 1 = 203359			Recovery = 89.70%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.999	112	718	0.112	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.60%#			
7) Phenol-d6	3.987	99	1069	0.129	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.45%#			
19) Nitrobenzene-d5	4.836	82	848	0.112	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.20%#			
48) 2-Fluorobiphenyl	6.592	172	3465	0.136	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 13.60%#			
81) 2,4,6-Tribromophenol	7.966	330	505	0.121	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.05%#			
98) 4-Terphenyl-d14	10.191	244	5994	0.154	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 15.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.619	74	471M2	0.107	ug/ml	
3) Pyridine	1.721	79	491M2	0.072	ug/ml	
5) Aniline	3.972	93	1245	0.116	ug/ml#	83
6) 2-Chlorophenol	4.081	128	966	0.124	ug/ml#	30
8) Phenol	4.000	94	1175	0.121	ug/ml#	74
9) Bis(2-chloroethyl)ether	4.065	93	882	0.129	ug/ml#	65
10) 1,3-Dichlorobenzene	4.227	146	1361M3	0.119	ug/ml	
11) 1,4-Dichlorobenzene	4.301	146	1449	0.130	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	1160M3	0.108	ug/ml	
13) Benzyl alcohol	4.457	79	695	0.115	ug/ml#	87
14) Bis(2-chloroisopropyl)...	4.596	45	1532	0.110	ug/ml#	48

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.593	108	890	0.131	ug/ml#	87
16) Hexachloroethane	4.774	117	541	0.133	ug/ml#	53
17) n-Nitrosodi-n-propylamine	4.727	70	767	0.135	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.752	108	1033	0.143	ug/ml#	87
20) Nitrobenzene	4.851	77	926	0.116	ug/ml#	39
21) Isophorone	5.100	82	1864	0.127	ug/ml#	65
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	5.255	107	936	0.137	ug/ml#	64
24) Bis(2-chloroethoxy)met...	5.342	93	1098	0.117	ug/ml#	50
25) 2,4-Dichlorophenol	5.408	162	1059	0.124	ug/ml#	73
26) 1,2,4-Trichlorobenzene	5.479	180	1353	0.121	ug/ml#	82
38) Naphthalene	5.538	128	3631	0.135	ug/ml#	52
39) Benzoic Acid	5.314	105	144M2	1.648	ug/ml	
40) 4-Chloroaniline	5.625	65	375M2	0.107	ug/ml	
41) Hexachlorobutadiene	5.697	225	744	0.107	ug/ml#	53
42) p-Chloro-m-cresol	6.129	107	854	0.123	ug/ml#	77
43) 2-Methylnaphthalene	6.216	142	2612	0.138	ug/ml	98
44) 1-Methylnaphthalene	6.309	115	803	0.130	ug/ml	84
45) Hexachlorocyclopentadiene	6.390	237	743	0.111	ug/ml#	27
46) 2,4,6-Trichlorophenol	6.511	196	814	0.110	ug/ml#	79
47) 2,4,5-Trichlorophenol	6.536	196	998	0.123	ug/ml#	81
49) 2-Chloronaphthalene	6.679	162	2781	0.126	ug/ml#	89
50) 2-Nitroaniline	6.797	138	550	0.109	ug/ml#	60
51) 1,4-Dinitrobenzene	6.928	168	232M2	0.093	ug/ml	
52) 1,3-Dinitrobenzene	6.999	168	271M2	0.091	ug/ml	
53) Dimethyl phthalate	7.002	163	3294	0.125	ug/ml#	77
54) Acenaphthylene	7.067	152	3963	0.123	ug/ml#	84
55) 2,6-Dinitrotoluene	7.039	165	480M3	0.108	ug/ml	
56) 1,2-Dinitrobenzene	7.083	168	66M2	0.038	ug/ml	
66) 3-Nitroaniline	7.192	138	500	0.117	ug/ml#	34
67) Acenaphthene	7.238	154	2671	0.150	ug/ml	94
68) 2,4-Dinitrophenol	7.294	184	194M2	0.070	ug/ml	
69) Dibenzofuran	7.409	168	4484	0.145	ug/ml	95
70) 2,4-Dinitrotoluene	7.422	165	598	0.101	ug/ml#	62
71) 4-Nitrophenol	7.397	65	368M3	0.108	ug/ml	
72) 2,3,5,6-Tetrachlorophenol	7.506	232	745	0.119	ug/ml#	73
73) 2,3,4,6-Tetrachlorophenol	7.543	232	860	0.140	ug/ml#	68
74) Diethyl phthalate	7.689	149	3507	0.145	ug/ml#	85
75) Fluorene	7.736	166	3304	0.137	ug/ml#	85
76) 4-Chlorophenyl phenyl ...	7.764	204	1762	0.141	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	4-Nitroaniline	7.773	138	378M2	0.080	ug/ml	
78)	4,6-Dinitro-o-cresol	7.810	198	385M2	0.476	ug/ml	
79)	NDPA/DPA	7.879	169	3050	0.146	ug/ml	97
80)	Azobenzene	7.910	77	2486	0.128	ug/ml#	80
82)	4-Bromophenyl phenyl e...	8.227	248	1158	0.146	ug/ml#	76
83)	Hexachlorobenzene	8.267	284	1435	0.143	ug/ml#	33
84)	Pentachlorophenol	8.466	266	597	0.109	ug/ml#	19
91)	Phenanthrene	8.646	178	5979	0.146	ug/ml	99
92)	Anthracene	8.693	178	5679	0.140	ug/ml	97
93)	Carbazole	8.864	167	4793	0.125	ug/ml	96
94)	Di-n-butylphthalate	9.271	149	5118	0.121	ug/ml#	79
95)	Fluoranthene	9.781	202	7016	0.138	ug/ml#	92
96)	Benzidine	9.946	184	2944	0.102	ug/ml#	68
97)	Pyrene	9.989	202	7325	0.136	ug/ml	96
99)	Butyl benzyl phthalate	10.704	149	2048	0.114	ug/ml#	83
107)	Benzo(a)anthracene	11.179	228	7534	0.142	ug/ml	98
108)	3,3'-Dichlorobenzidine	11.195	252	2367	0.121	ug/ml#	86
109)	Chrysene	11.217	228	7896	0.154	ug/ml	98
110)	Bis(2-ethylhexyl)phtha...	11.332	149	3348	0.119	ug/ml#	88
111)	Di-n-octylphthalate	11.994	149	5561	0.120	ug/ml#	55
112)	Benzo(b)fluoranthene	12.252	252	7346	0.135	ug/ml#	95
113)	Benzo(k)fluoranthene	12.277	252	7028	0.131	ug/ml#	92
114)	Benzo(a)pyrene	12.553	252	6027	0.121	ug/ml#	94
116)	Indeno(1,2,3-cd)pyrene	13.542	276	7287	0.131	ug/mL#	90
117)	Dibenzo(a,h)anthracene	13.566	278	6856	0.125	ug/ml#	92
118)	Benzo(ghi)perylene	13.747	276	7053	0.133	ug/ml#	88

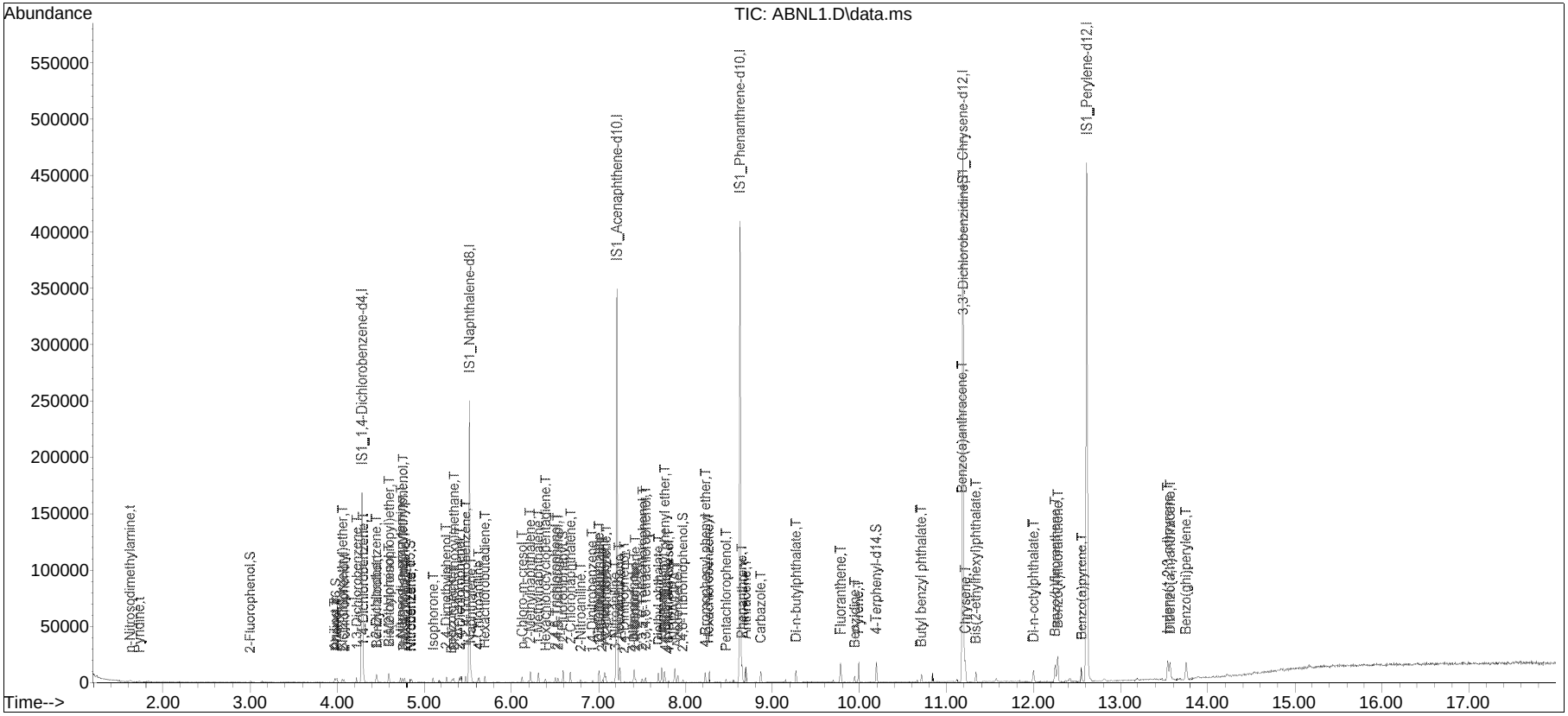
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNL1.D
Acq On : 5 Nov 2024 8:06 pm
Operator : Dakota:HNY
Sample : IL10,32,,ABNL0.1 Lot# 11150
Misc : WG1994500
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 09:17:45 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

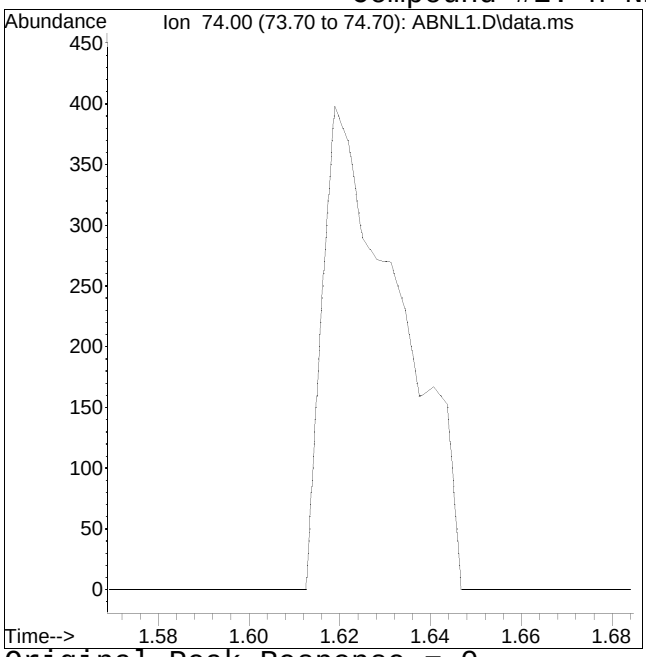
Sub List : ABNical - ABN ical sublistVTICAL\ABNL6.D•

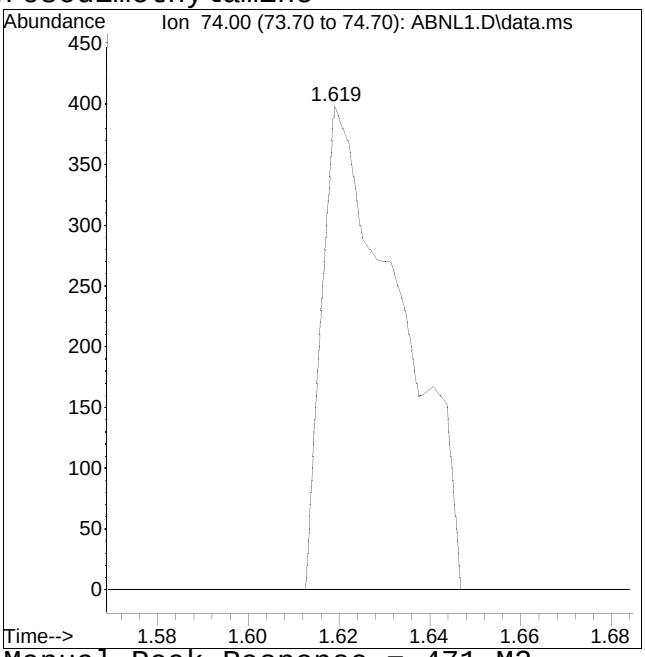


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #2: n-Nitrosodimethylamine



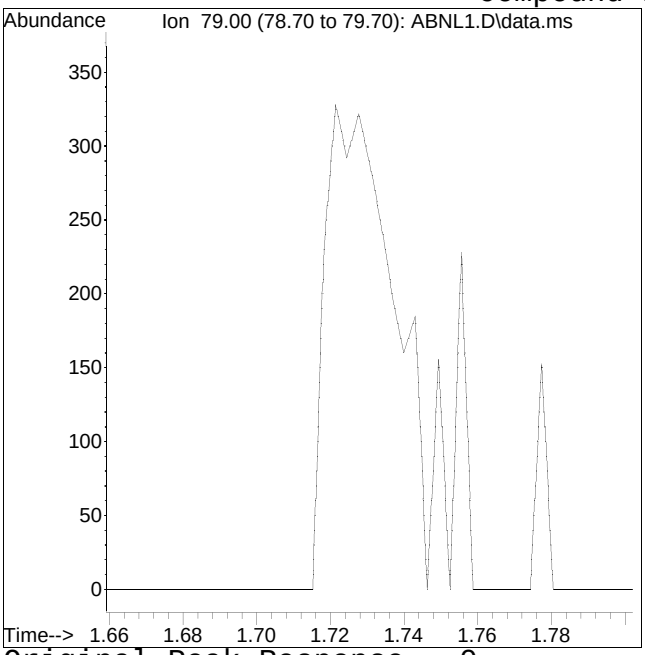


Original Peak Response = 0 Manual Peak Response = 471 M2
M2 = Peak not found by automatic integration algorithm.

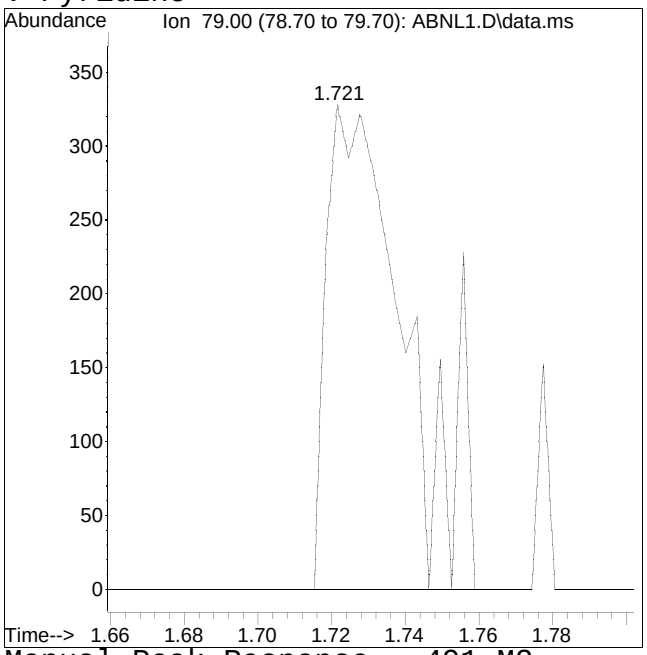
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #3: Pyridine



Original Peak Response = 0



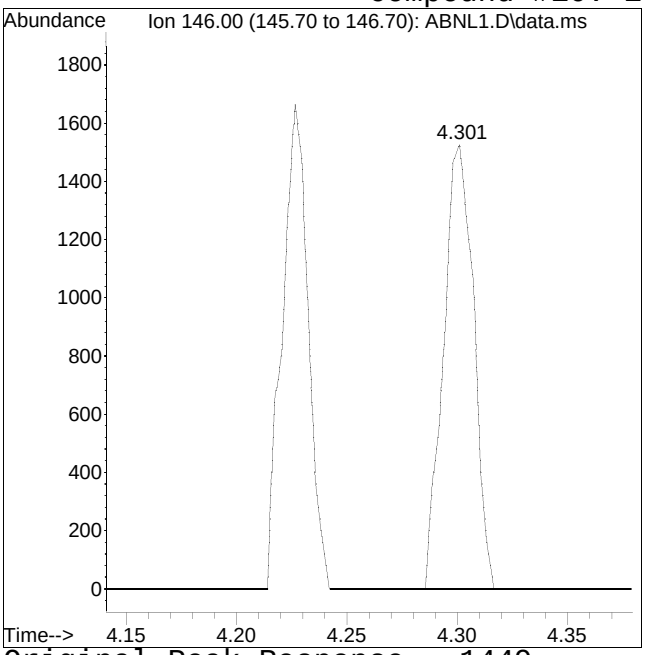
Manual Peak Response = 491 M2

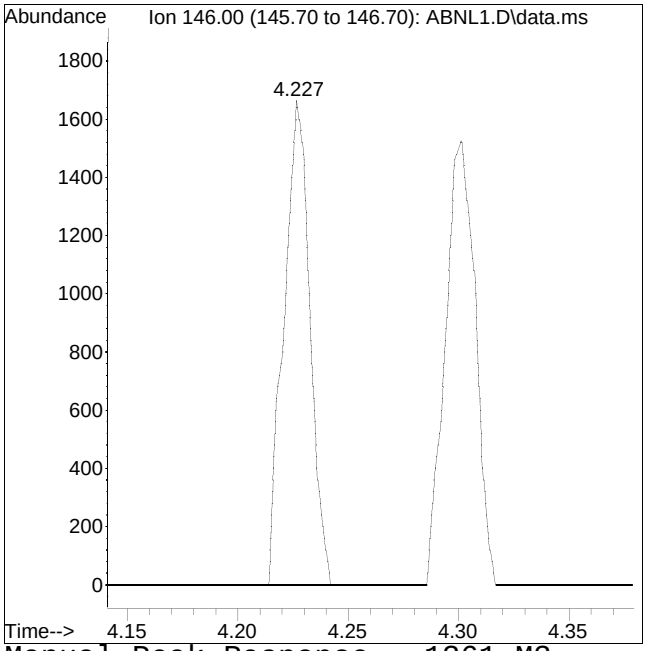
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #10: 1,3-Dichlorobenzene





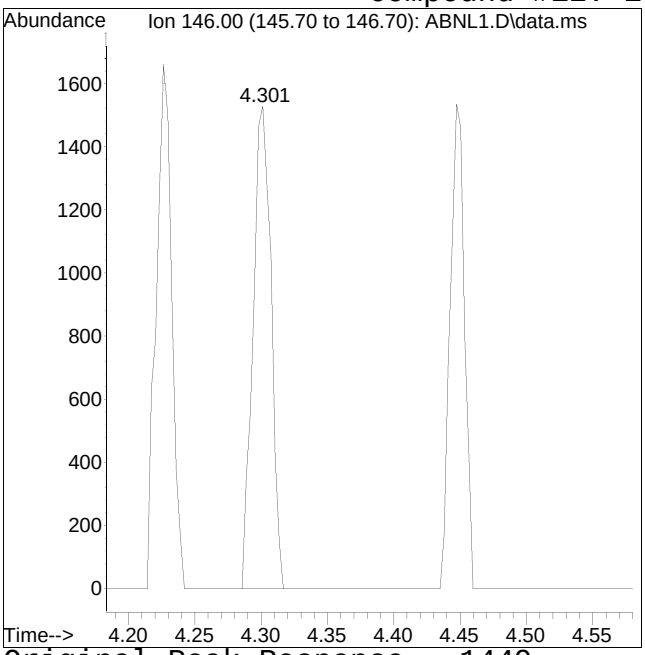
Original Peak Response = 1449 Manual Peak Response = 1361 M3

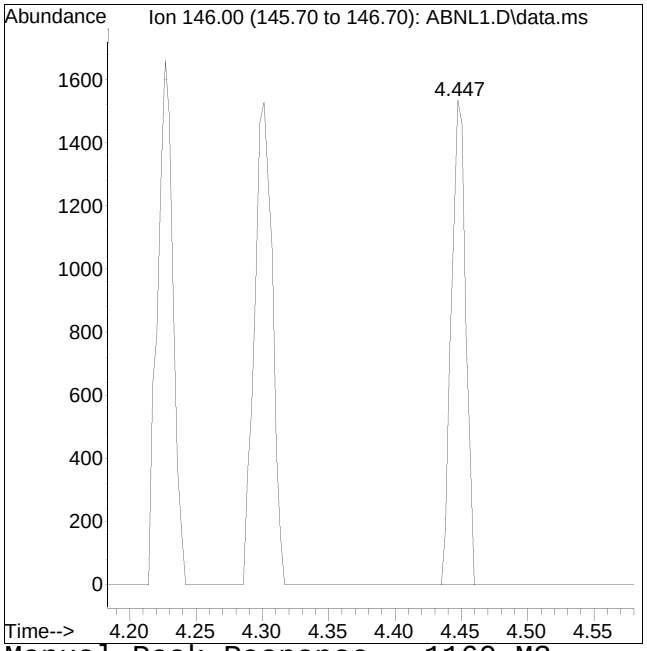
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #12: 1,2-Dichlorobenzene





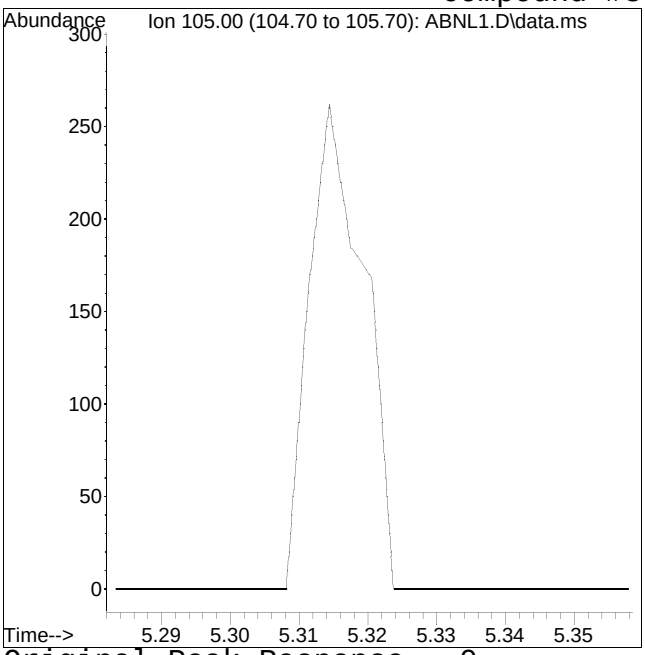
Original Peak Response = 1449 Manual Peak Response = 1160 M3

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

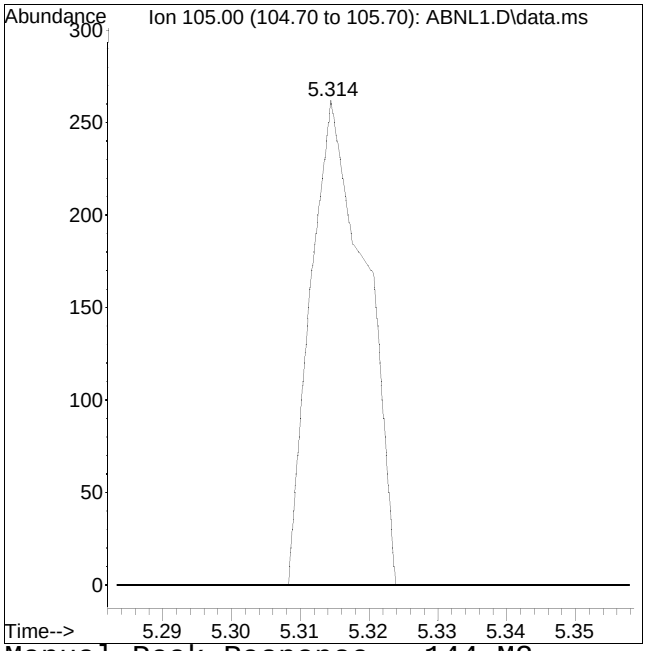
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #39: Benzoic Acid



Original Peak Response = 0



Manual Peak Response = 144 M2

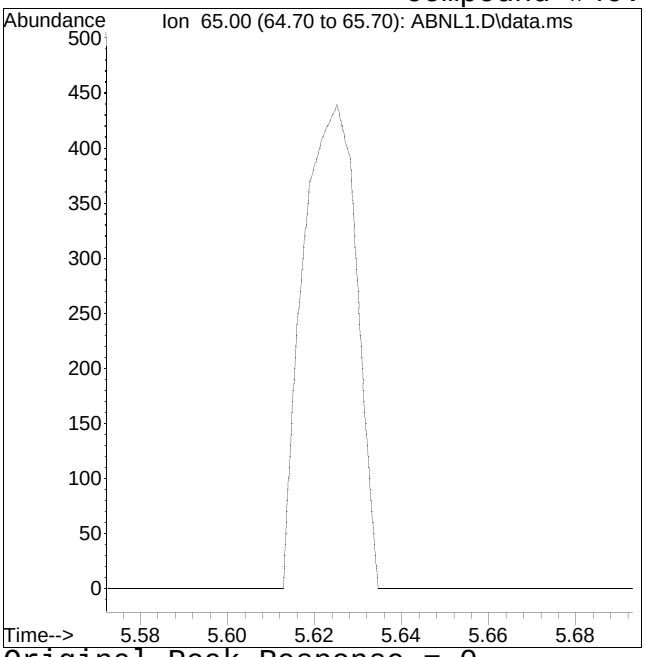
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

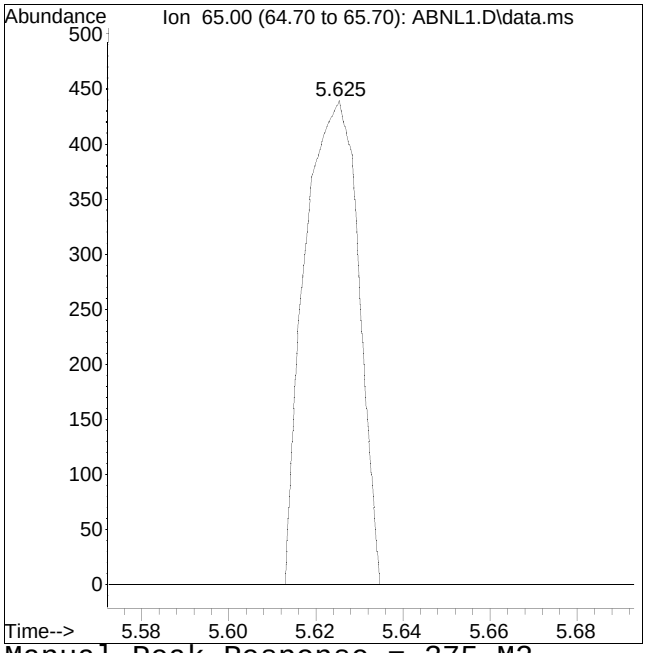
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #40: 4-Chloroaniline



Original Peak Response = 0



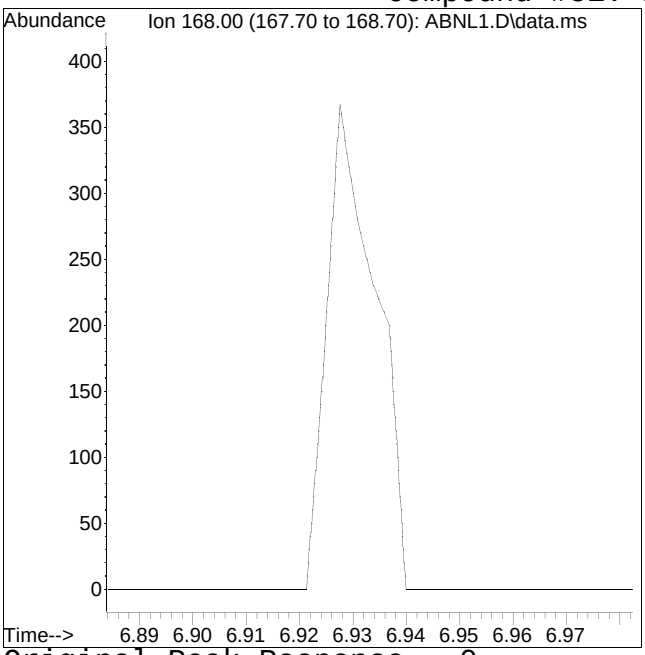
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

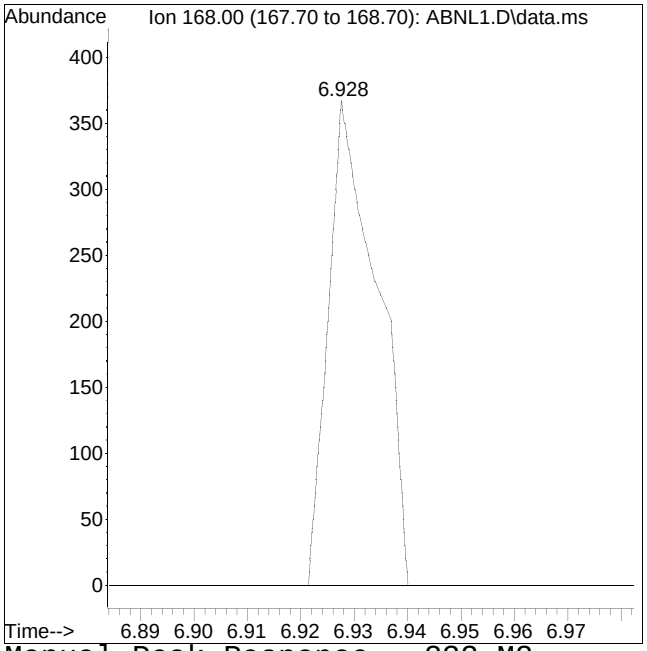
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #51: 1,4-Dinitrobenzene



Original Peak Response = 0



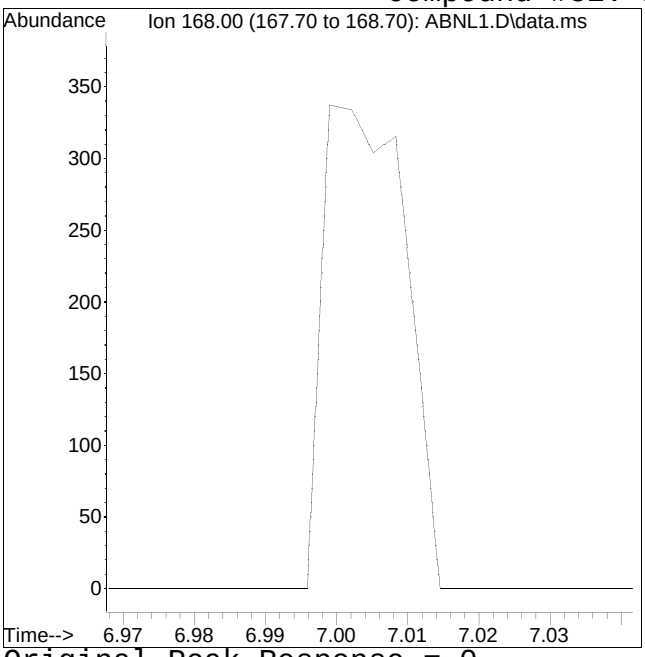
Manual Peak Response = 232 M2

M2 = Peak not found by automatic integration algorithm.

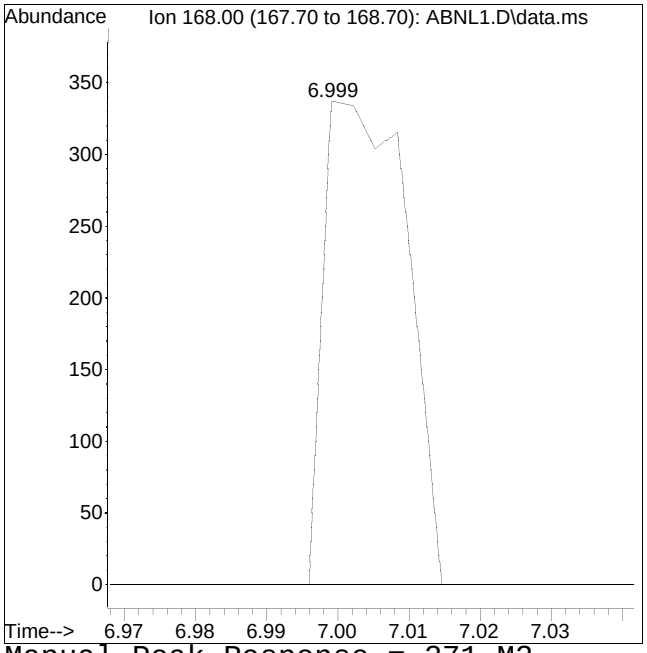
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #52: 1,3-Dinitrobenzene



Original Peak Response = 0



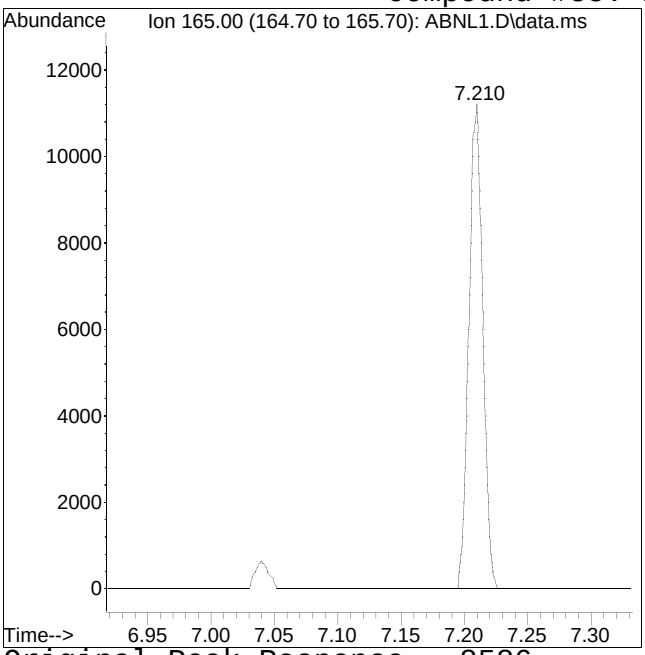
Manual Peak Response = 271 M2

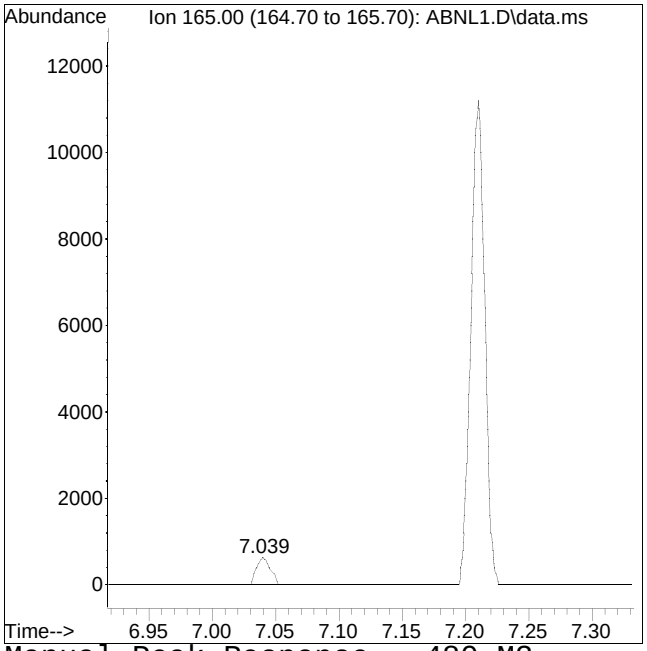
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #55: 2,6-Dinitrotoluene





Original Peak Response = 8586 Manual Peak Response = 480 M3

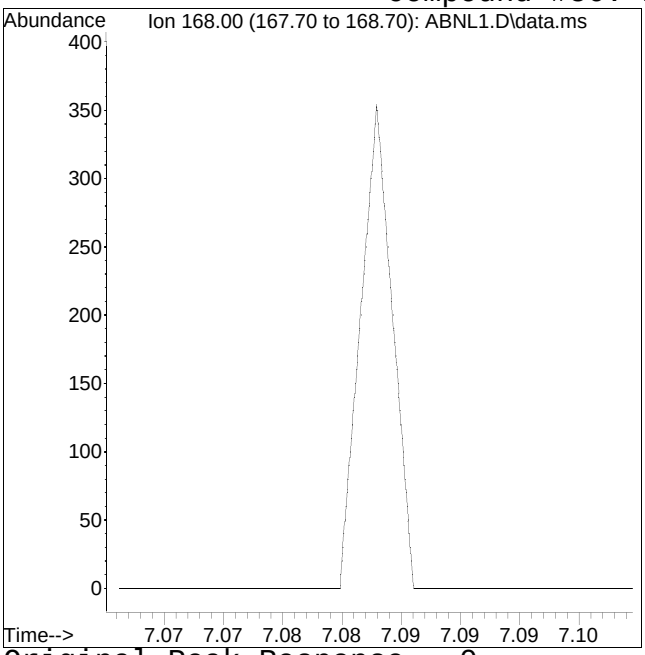
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

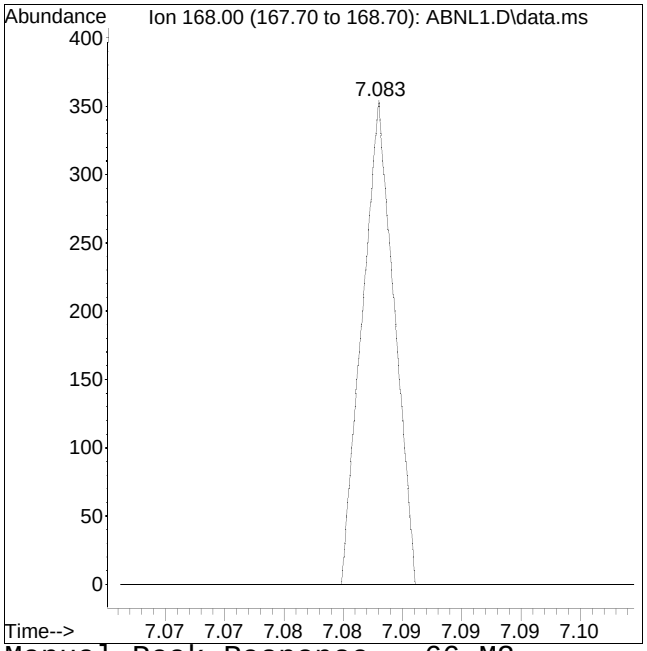
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #56: 1,2-Dinitrobenzene



Original Peak Response = 0



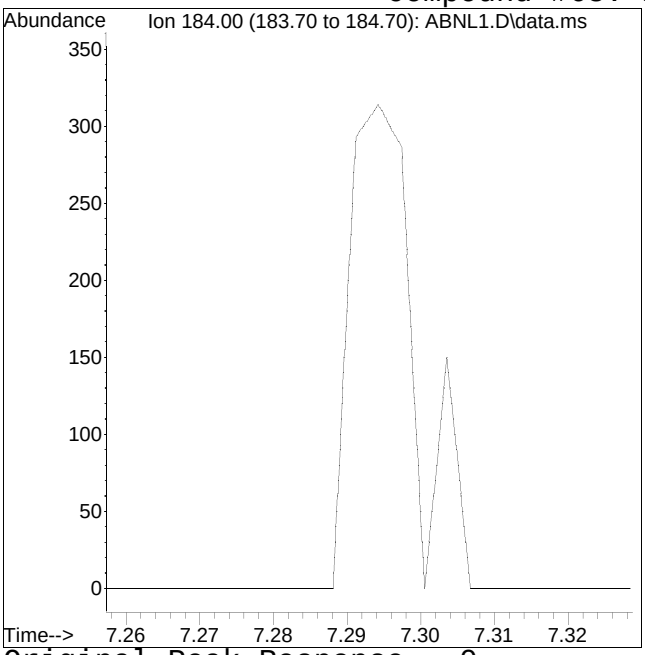
Manual Peak Response = 66 M2

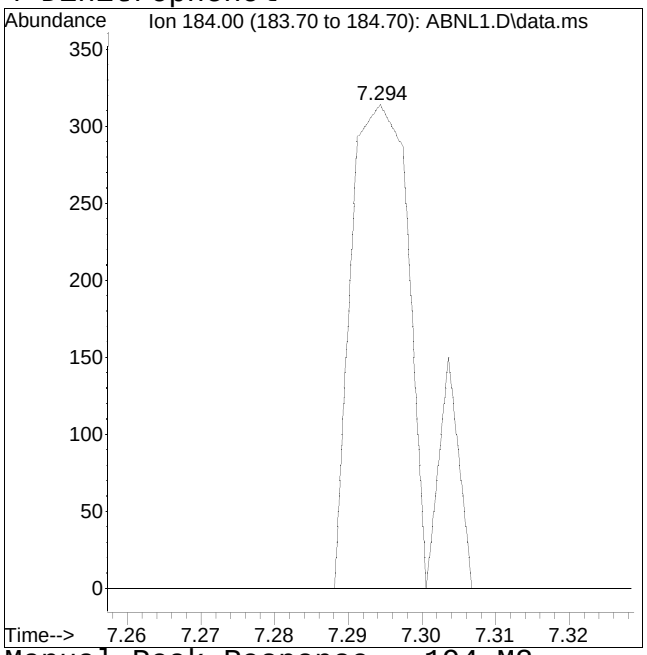
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #68: 2,4-Dinitrophenol



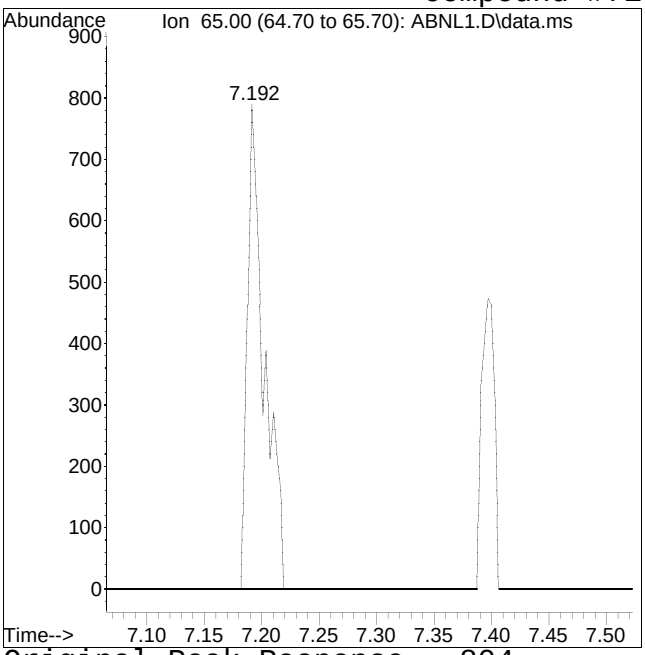


Original Peak Response = 0
Manual Peak Response = 194 M2
M2 = Peak not found by automatic integration algorithm.

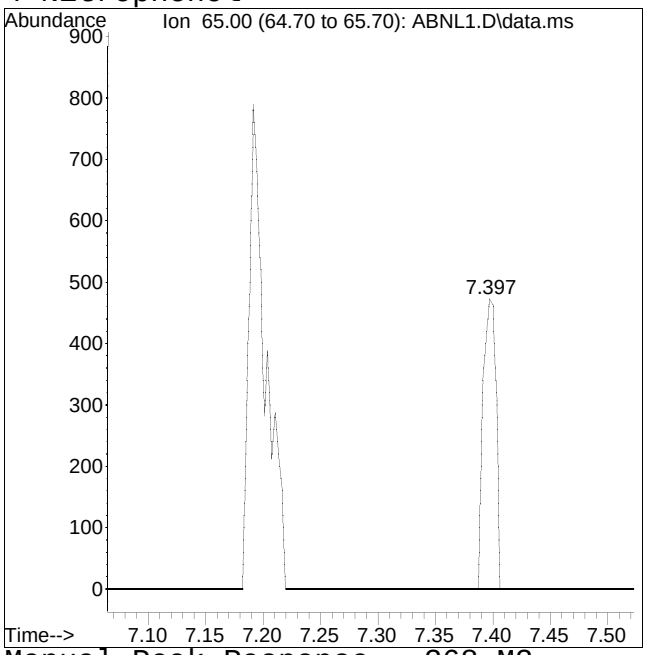
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #71: 4-Nitrophenol



Original Peak Response = 804



Manual Peak Response = 368 M3

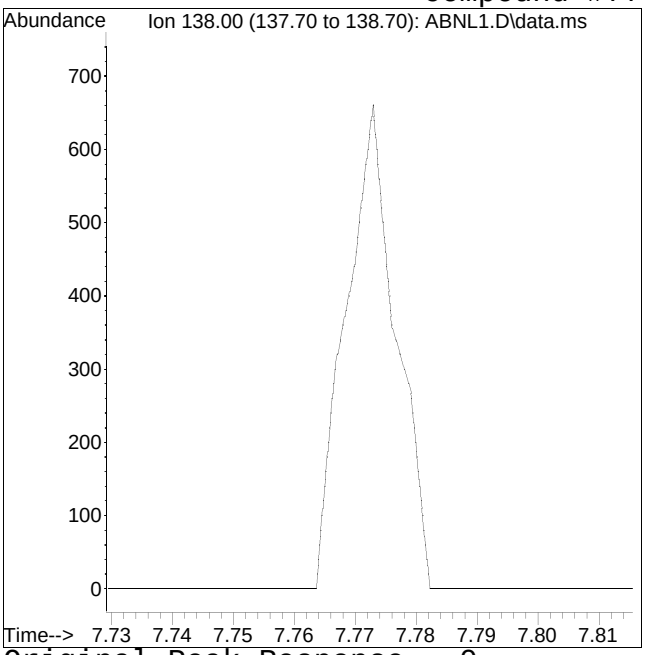
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

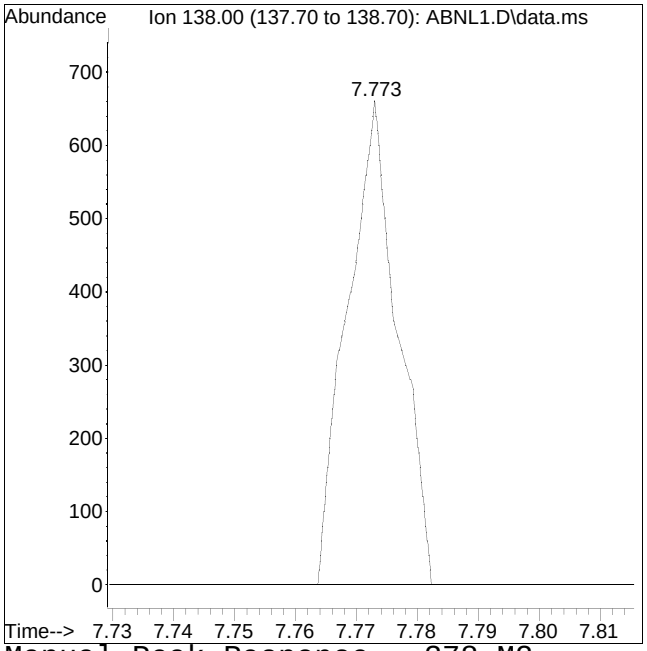
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNL1.D
Date Inj'd : 11/5/2024 8:06 pm
Sample : IL10,32,,ABNL0.1 Lot# 1115

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:35 am

Compound #77: 4-Nitroaniline



Original Peak Response = 0



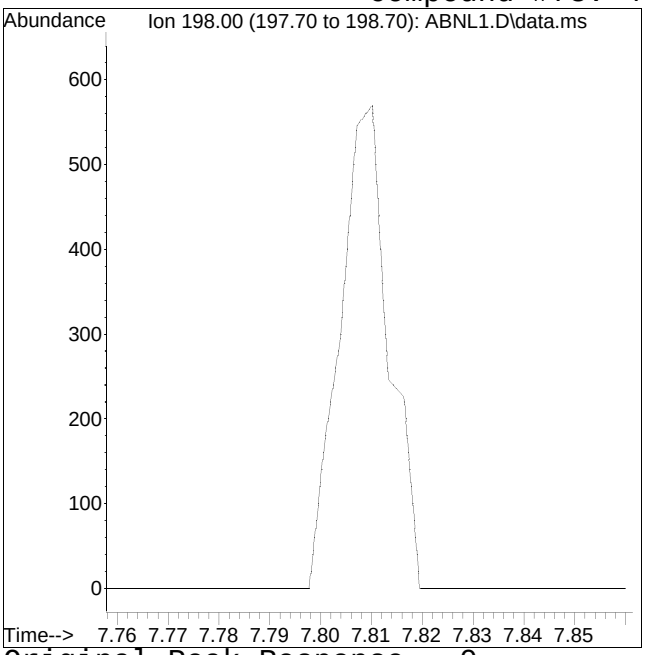
Manual Peak Response = 378 M2

M2 = Peak not found by automatic integration algorithm.

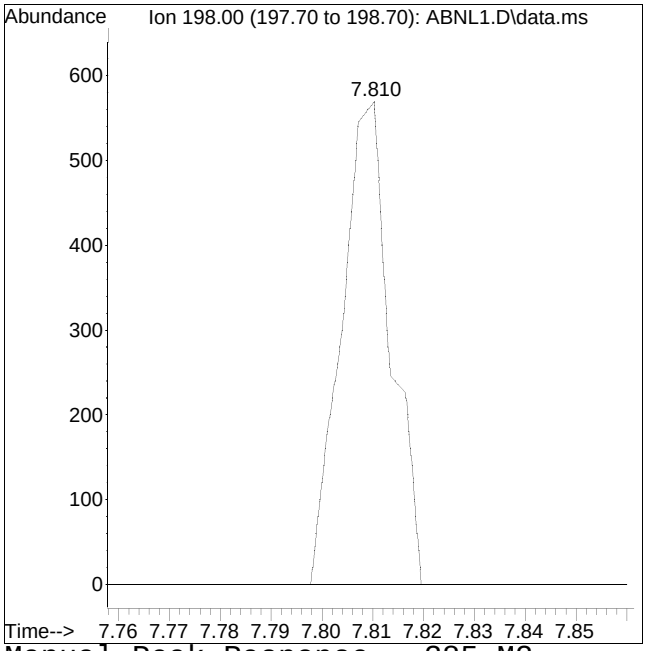
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ABNL1.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 8:06 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1115Quant Date : 11/6/2024 8:35 am

Compound #78: 4,6-Dinitro-o-cresol



Original Peak Response = 0



Manual Peak Response = 385 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.286	152	30987	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	109.33%		
57) IS2_Naphthalene-d8	5.520	136	111920	4.000	ug/ml #	0.00
Standard Area 1 = 98544			Recovery =	113.57%		
85) IS2_Acenaphthene-d10	7.210	164	71063	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	110.41%		
100) IS2_Phenanthrene-d10	8.625	188	160716	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	112.79%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.844	105	304408	47.565	ug/ml	97
29) Acetophenone	4.696	105	601234	50.020	ug/ml#	80
30) m-Toluidine	4.780	106	545570	50.658	ug/ml	95
31) 2-Chloroaniline	5.137	127	584754	51.772	ug/ml#	91
58) a-Terpineol	5.594	59	350560	49.690	ug/ml#	80
59) 3-Chloroaniline	5.607	65	174464	46.089	ug/ml	90
60) 2,6-Dichlorophenol	5.632	162	460446	49.506	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.880	111	185947	55.337	ug/ml#	1
62) Caprolactam	5.945	55	199011	47.711	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.390	216	599935	44.098	ug/ml	97
64) Biphenyl	6.682	154	1225314	44.550	ug/ml	96
86) Dichloran	8.339	206	192620	58.409	ug/ml#	59
87) Pentachloronitrobenzene	8.482	237	196056	47.568	ug/ml#	76
101) Diphenamid	9.545	167	952562	48.801	ug/ml#	75

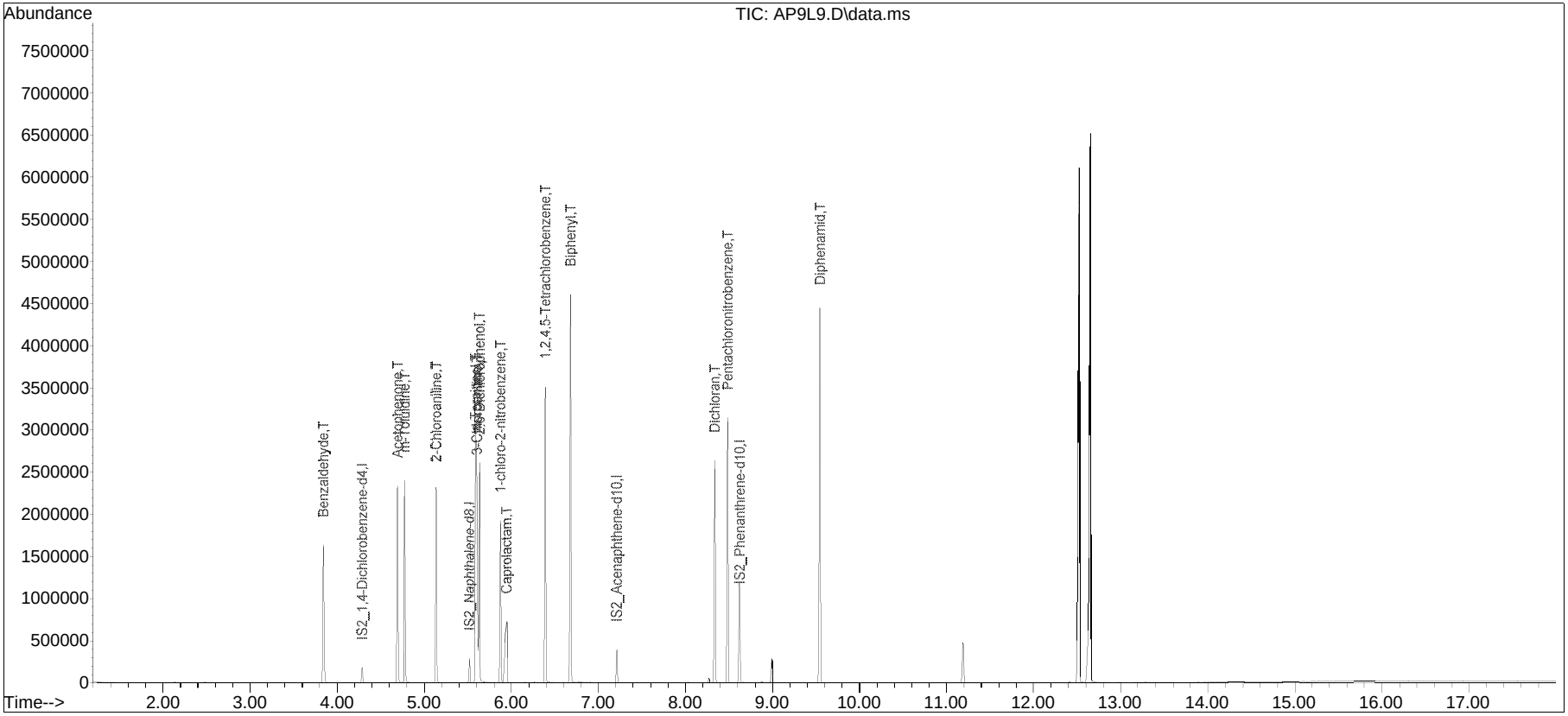
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L9.D
Acq On : 5 Nov 2024 8:29 pm
Operator : Dakota:HNY
Sample : IL2,32,,AP9L50 Lot# 11120
Misc : WG1994500
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 09:39:08 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:29 pm	Instrument	: Dakota
Sample	: IL2,32,,AP9L50 Lot# 11120	Quant Date	: 11/6/2024 8:39 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	29753	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	104.98%		
57) IS2_Naphthalene-d8	5.519	136	106459	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	108.03%		
85) IS2_Acenaphthene-d10	7.210	164	68191	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	105.95%		
100) IS2_Phenanthrene-d10	8.624	188	151604	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	106.39%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.844	105	151455	24.647	ug/ml	97
29) Acetophenone	4.693	105	299052	25.912	ug/ml#	79
30) m-Toluidine	4.777	106	270898	26.197	ug/ml	95
31) 2-Chloroaniline	5.134	127	289933	26.734	ug/ml#	91
58) a-Terpineol	5.591	59	173589	25.867	ug/ml#	81
59) 3-Chloroaniline	5.603	65	86165	23.930	ug/ml	94
60) 2,6-Dichlorophenol	5.628	162	225556	25.495	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	91193	28.531	ug/ml#	1
62) Caprolactam	5.933	55	97330	24.531	ug/ml#	73
63) 1,2,4,5-Tetrachloroben...	6.387	216	299740	23.163	ug/ml#	96
64) Biphenyl	6.679	154	610900	23.350	ug/ml	97
86) Dichloran	8.335	206	91383	28.878	ug/ml#	58
87) Pentachloronitrobenzene	8.482	237	93939	24.101	ug/ml#	75
101) Diphenamid	9.538	167	468543	25.447	ug/ml#	75

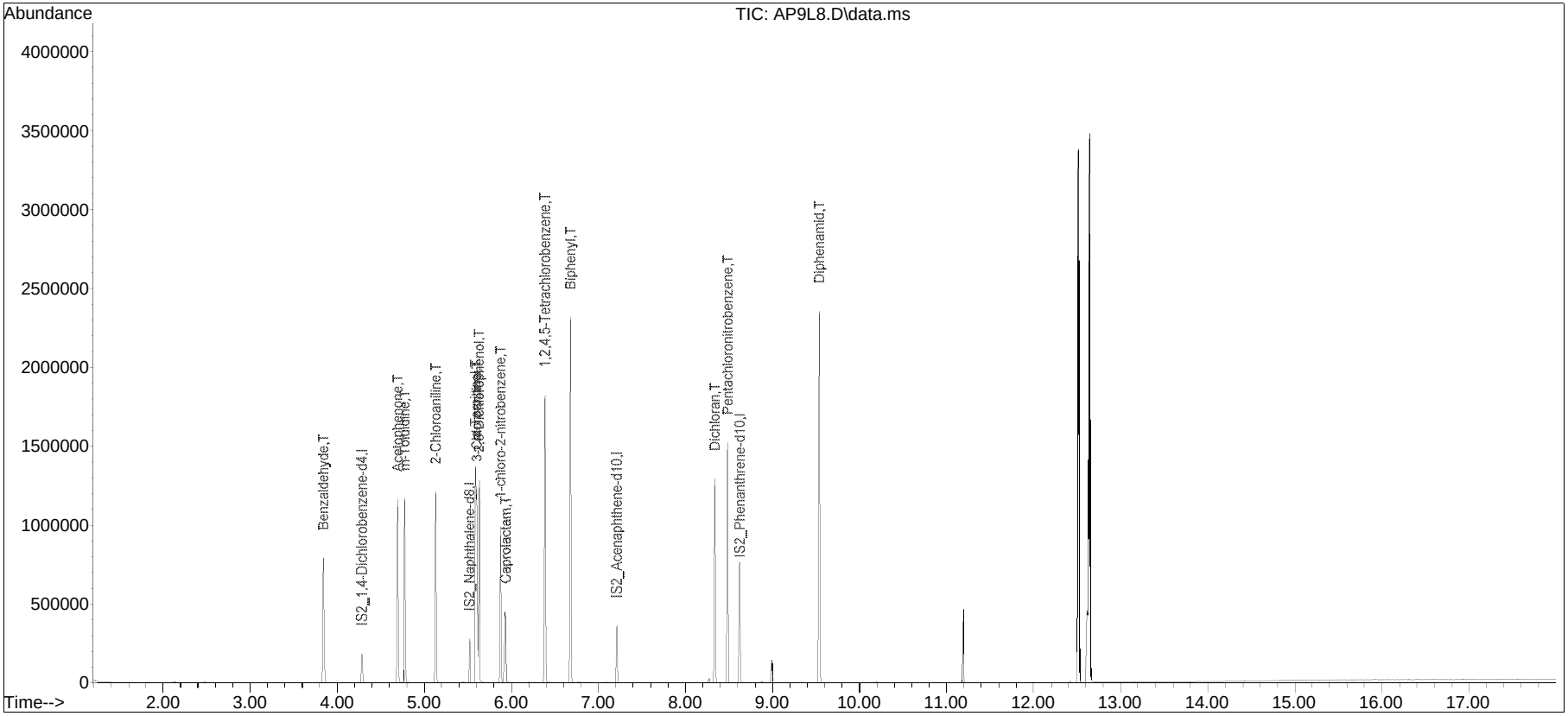
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L8.D
Acq On : 5 Nov 2024 8:53 pm
Operator : Dakota:HNY
Sample : IL3,32,,AP9L25 Lot# 11121
Misc : WG1994500
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 06 09:38:22 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 8:53 pm	Instrument	: Dakota
Sample	: IL3,32,,AP9L25 Lot# 11121	Quant Date	: 11/6/2024 8:39 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28253	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	99.69%			
57)	IS2_Naphthalene-d8	5.520	136	102348	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	103.86%			
85)	IS2_Acenaphthene-d10	7.210	164	64900	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	100.84%			
100)	IS2_Phenanthrene-d10	8.622	188	142251	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	99.83%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.844	105	54373	9.318	ug/ml		97
29)	Acetophenone	4.693	105	107439	9.803	ug/ml	#	80
30)	m-Toluidine	4.777	106	98213	10.002	ug/ml		95
31)	2-Chloroaniline	5.134	127	103932	10.092	ug/ml	#	90
58)	a-Terpineol	5.588	59	61054	9.463	ug/ml	#	79
59)	3-Chloroaniline	5.600	65	30940	8.938	ug/ml		89
60)	2,6-Dichlorophenol	5.625	162	81177	9.544	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.877	111	31835	10.360	ug/ml	#	1
62)	Caprolactam	5.921	55	33902	8.888	ug/ml	#	74
63)	1,2,4,5-Tetrachloroben...	6.387	216	106694	8.576	ug/ml	#	97
64)	Biphenyl	6.679	154	222491	8.846	ug/ml		97
86)	Dichloran	8.332	206	29962	9.948	ug/ml	#	58
87)	Pentachloronitrobenzene	8.479	237	30894	8.784	ug/ml	#	75
101)	Diphenamid	9.535	167	162112	9.383	ug/ml	#	75

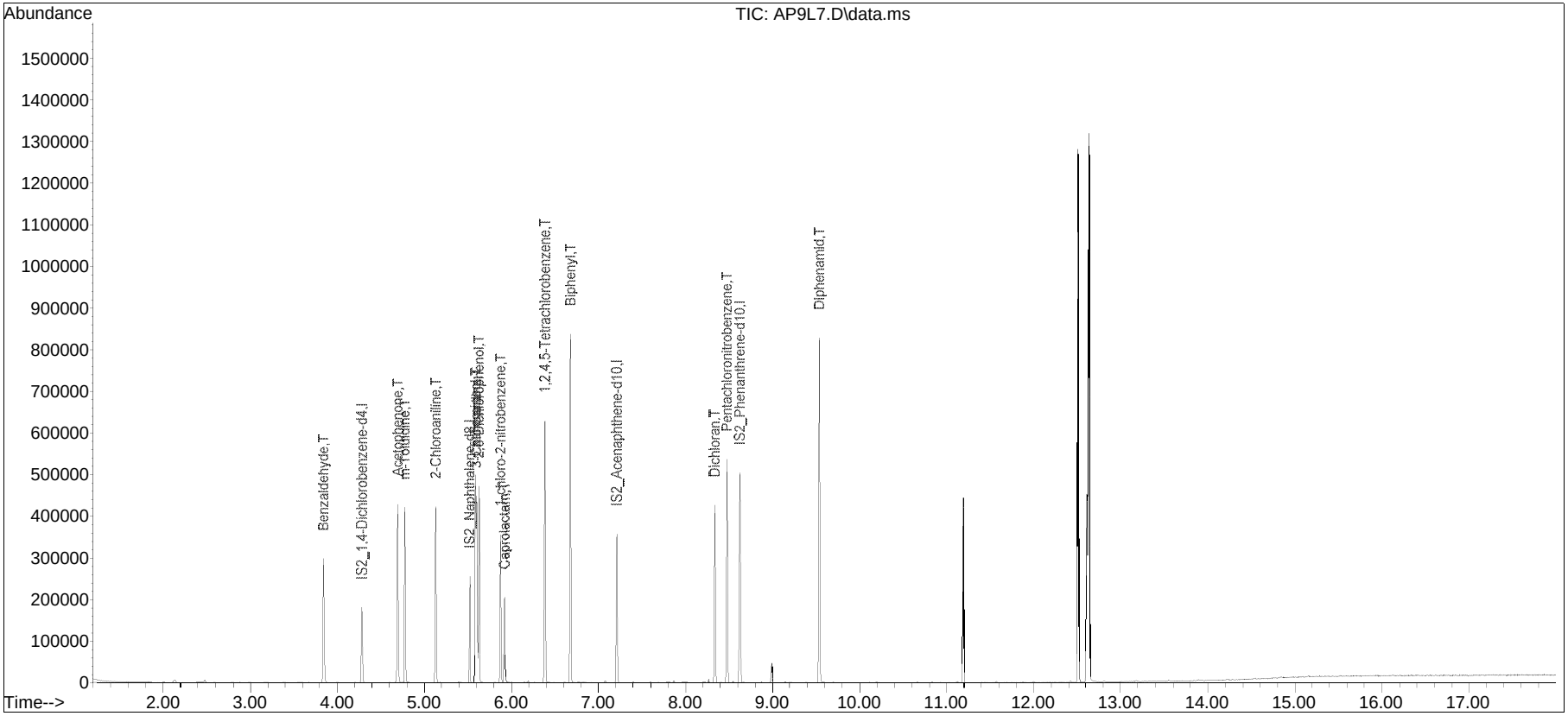
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L7.D
Acq On : 5 Nov 2024 9:16 pm
Operator : Dakota:HNY
Sample : IL4,32,,AP9L10 Lot# 11122
Misc : WG1994500
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 06 09:37:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:16 pm	Instrument	: Dakota
Sample	: IL4,32,,AP9L10 Lot# 11122	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28342	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	100.00%		
57) IS2_Naphthalene-d8	5.519	136	98544	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery =	100.00%		
85) IS2_Acenaphthene-d10	7.210	164	64361	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	100.00%		
100) IS2_Phenanthrene-d10	8.621	188	142493	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	26993	4.611	ug/ml	97
29) Acetophenone	4.696	105	51821	4.714	ug/ml#	79
30) m-Toluidine	4.776	106	46870	4.758	ug/ml	94
31) 2-Chloroaniline	5.134	127	50567	4.895	ug/ml#	90
58) a-Terpineol	5.588	59	28933	4.658	ug/ml#	77
59) 3-Chloroaniline	5.600	65	15441	4.633	ug/ml	94
60) 2,6-Dichlorophenol	5.625	162	39296	4.798	ug/ml#	82
61) 1-chloro-2-nitrobenzene	5.877	111	15544	5.254	ug/ml#	1
62) Caprolactam	5.914	55	15648	4.261	ug/ml#	75
63) 1,2,4,5-Tetrachloroben...	6.386	216	53831	4.494	ug/ml#	95
64) Biphenyl	6.679	154	110500	4.563	ug/ml	98
86) Dichloran	8.332	206	13287	4.449	ug/ml#	60
87) Pentachloronitrobenzene	8.478	237	14522	4.530	ug/ml#	79
101) Diphenamid	9.535	167	77258	4.464	ug/ml#	75

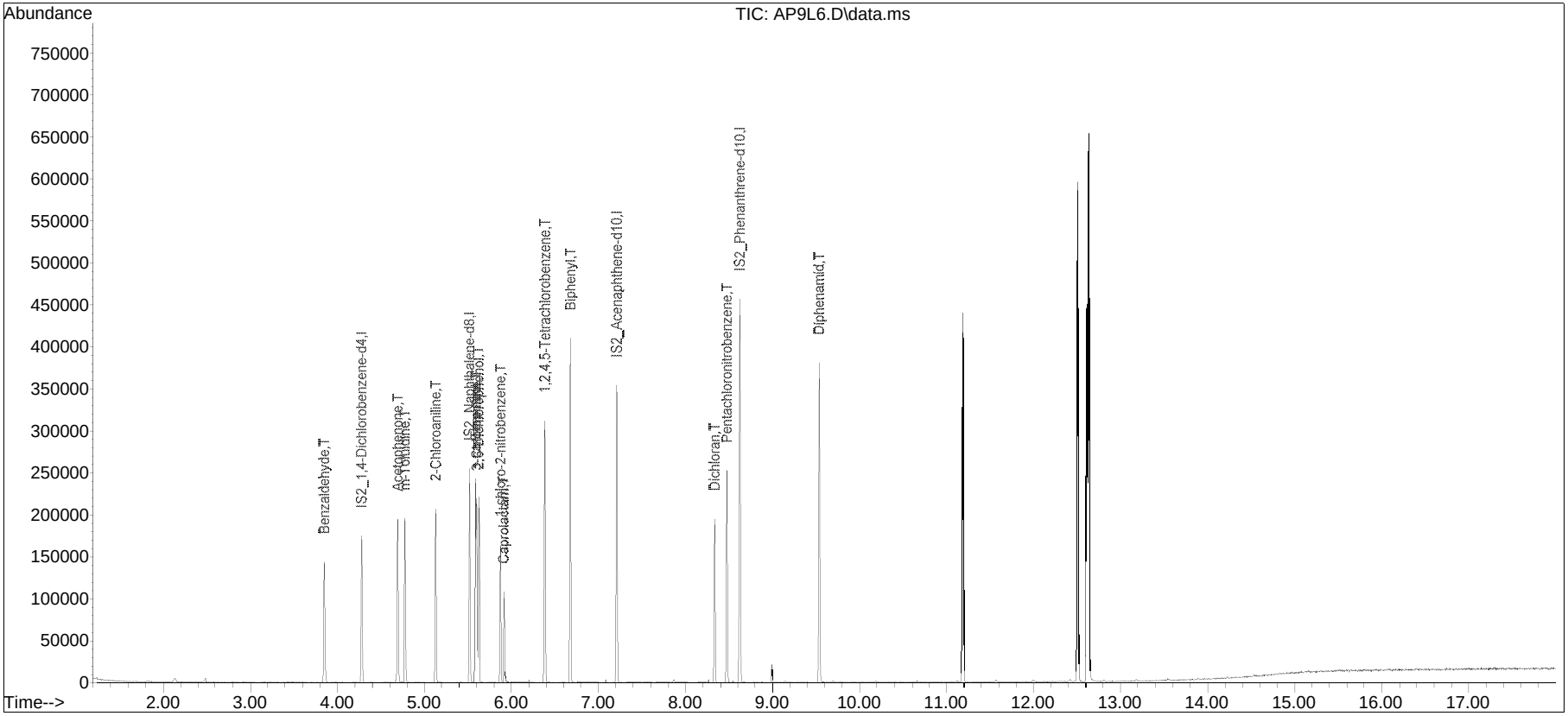
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L6.D
Acq On : 5 Nov 2024 9:39 pm
Operator : Dakota:HNY
Sample : IL5,32,,AP9L5 Lot# 11123
Misc : WG1994500
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 09:37:30 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 9:39 pm	Instrument	: Dakota
Sample	: IL5,32,,AP9L5 Lot# 11123	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.283	152	28127	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 99.24%			
57)	IS2_Naphthalene-d8	5.520	136	101422	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 102.92%			
85)	IS2_Acenaphthene-d10	7.210	164	65158	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 101.24%			
100)	IS2_Phenanthrene-d10	8.622	188	143298	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 100.56%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.848	105	12268	2.112	ug/ml	99
29)	Acetophenone	4.696	105	23923	2.193	ug/ml#	81
30)	m-Toluidine	4.780	106	22093	2.260	ug/ml	93
31)	2-Chloroaniline	5.134	127	23952	2.336	ug/ml#	90
58)	a-Terpineol	5.588	59	13333	2.085	ug/ml#	75
59)	3-Chloroaniline	5.600	65	6723	1.960	ug/ml	84
60)	2,6-Dichlorophenol	5.625	162	18101	2.148	ug/ml#	79
61)	1-chloro-2-nitrobenzene	5.877	111	7212	2.368	ug/ml#	1
62)	Caprolactam	5.914	55	7181	1.900	ug/ml#	72
63)	1,2,4,5-Tetrachloroben...	6.387	216	25415	2.062	ug/ml#	96
64)	Biphenyl	6.679	154	52147	2.092	ug/ml	97
86)	Dichloran	8.332	206	5931	1.961	ug/ml#	62
87)	Pentachloronitrobenzene	8.479	237	6694	2.442	ug/ml#	77
101)	Diphenamid	9.535	167	34942	2.008	ug/ml#	74

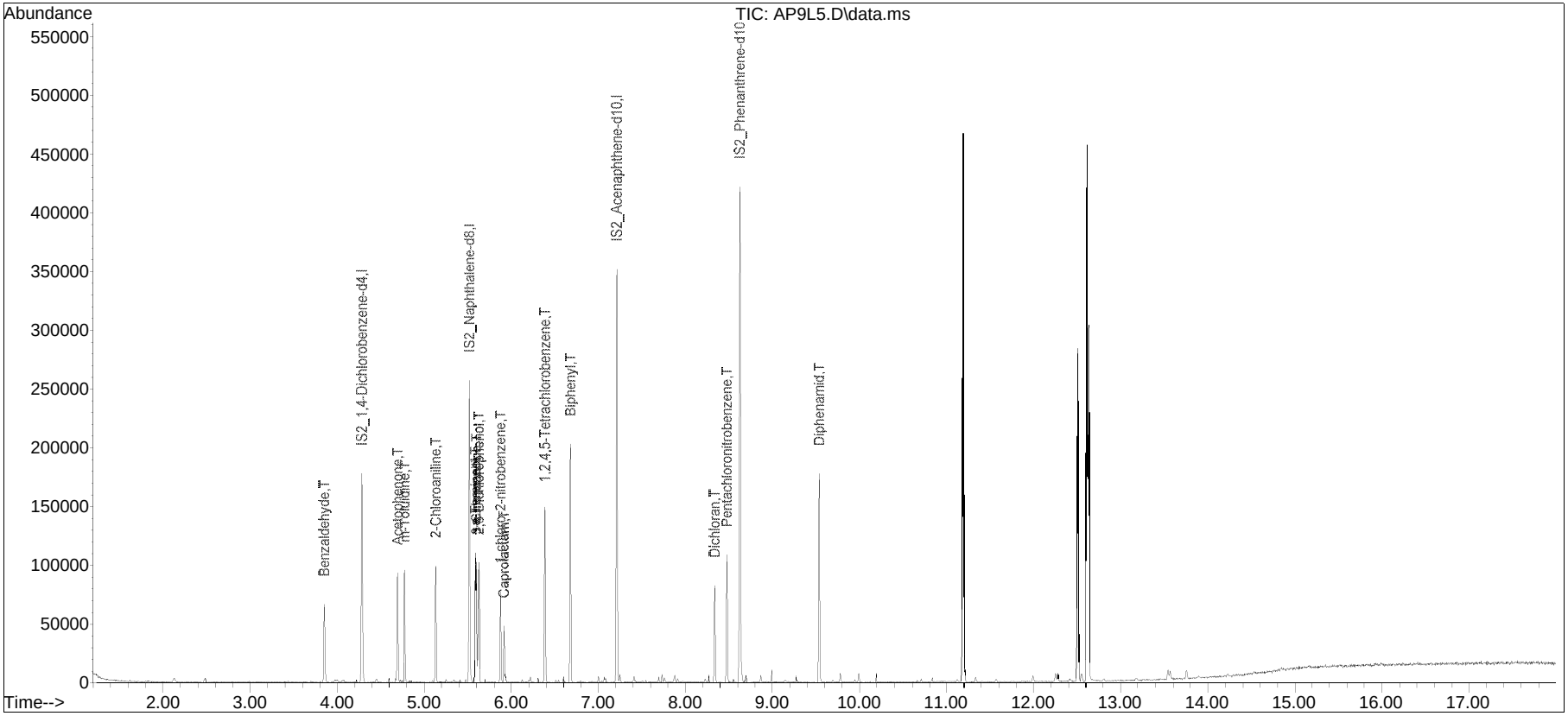
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L5.D
Acq On : 5 Nov 2024 10:03 pm
Operator : Dakota:HNY
Sample : IL6,32,,AP9L2.5 Lot# 11124
Misc : WG1994500
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 09:36:56 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:03 pm	Instrument	: Dakota
Sample	: IL6,32,,AP9L2.5 Lot# 11124	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	28739	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery =	101.40%			
57)	IS2_Naphthalene-d8	5.520	136	102925	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery =	104.45%			
85)	IS2_Acenaphthene-d10	7.210	164	64341	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery =	99.97%			
100)	IS2_Phenanthrene-d10	8.621	188	144463	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery =	101.38%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.850	105	5052	0.851	ug/ml		94
29)	Acetophenone	4.699	105	9554	0.857	ug/ml	#	80
30)	m-Toluidine	4.780	106	7848	0.786	ug/ml		96
31)	2-Chloroaniline	5.134	127	9085	0.867	ug/ml	#	91
58)	a-Terpineol	5.588	59	5487	0.846	ug/ml	#	84
59)	3-Chloroaniline	5.603	65	2869	0.824	ug/ml		93
60)	2,6-Dichlorophenol	5.625	162	7133	0.834	ug/ml	#	81
61)	1-chloro-2-nitrobenzene	5.880	111	2926	0.947	ug/ml	#	1
62)	Caprolactam	5.914	55	2946	0.768	ug/ml	#	87
63)	1,2,4,5-Tetrachloroben...	6.387	216	10121	0.809	ug/ml		98
64)	Biphenyl	6.679	154	20682	0.818	ug/ml		95
86)	Dichloran	8.332	206	2292	0.768	ug/ml	#	57
87)	Pentachloronitrobenzene	8.475	237	2782	1.432	ug/ml	#	70
101)	Diphenamid	9.535	167	13612	0.776	ug/ml	#	72

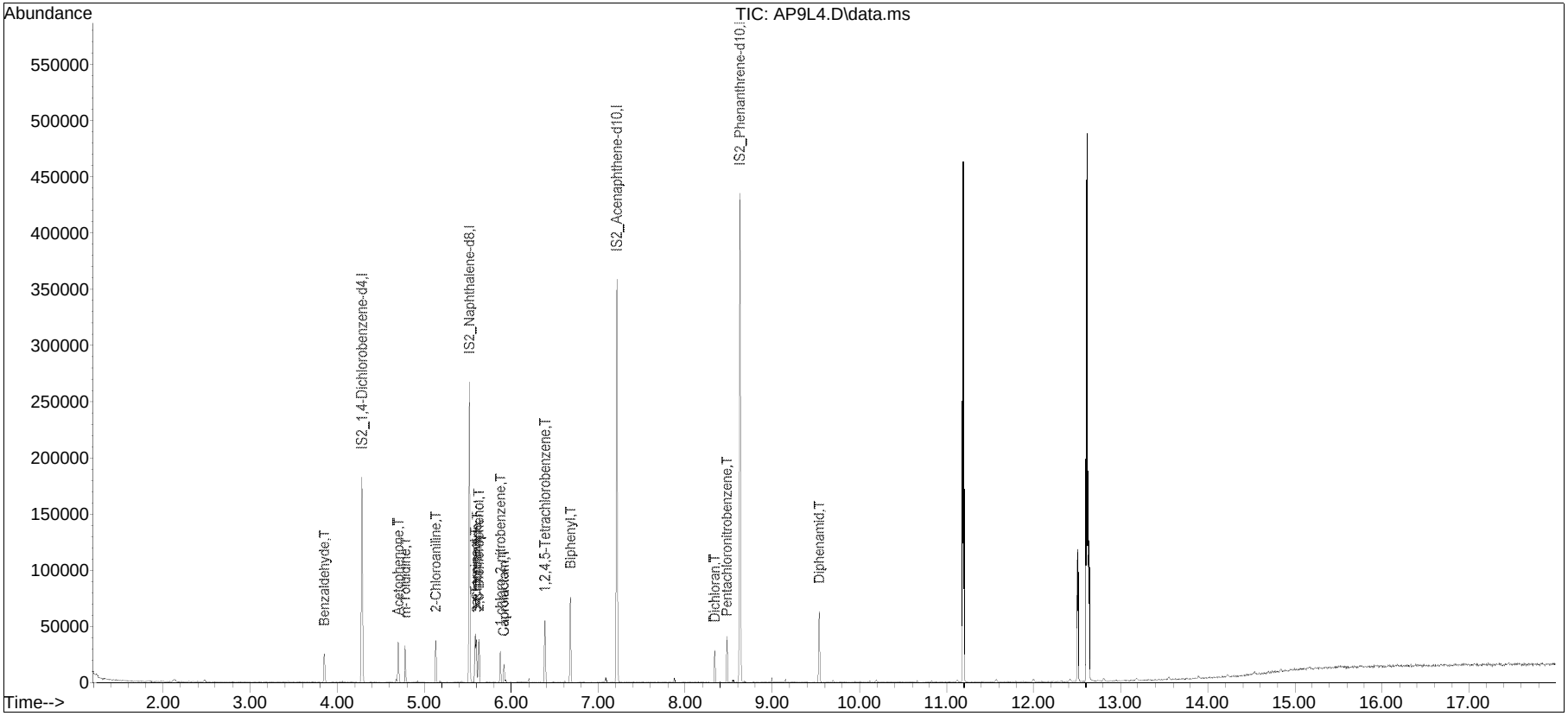
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L4.D
Acq On : 5 Nov 2024 10:26 pm
Operator : Dakota:HNY
Sample : IL7,32,,AP9L1 Lot# 11125
Misc : WG1994500
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 09:36:17 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L4.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:26 pm	Instrument	: Dakota
Sample	: IL7,32,,AP9L1 Lot# 11125	Quant Date	: 11/6/2024 8:38 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27039	4.000	ug/ml	0.00
	Standard Area 1 = 28342			Recovery = 95.40%			
57)	IS2_Naphthalene-d8	5.519	136	97334	4.000	ug/ml	0.00
	Standard Area 1 = 98544			Recovery = 98.77%			
85)	IS2_Acenaphthene-d10	7.210	164	61265	4.000	ug/ml	0.00
	Standard Area 1 = 64361			Recovery = 95.19%			
100)	IS2_Phenanthrene-d10	8.621	188	138508	4.000	ug/ml	0.00
	Standard Area 1 = 142493			Recovery = 97.20%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.850	105	2360	0.423	ug/ml	98
29)	Acetophenone	4.696	105	4756	0.453	ug/ml#	77
30)	m-Toluidine	4.780	106	3649	0.388	ug/ml#	86
31)	2-Chloroaniline	5.134	127	4626	0.469	ug/ml#	88
58)	a-Terpineol	5.588	59	2579	0.420	ug/ml#	74
59)	3-Chloroaniline	5.600	65	1366	0.415	ug/ml	93
60)	2,6-Dichlorophenol	5.625	162	3612	0.447	ug/ml#	77
61)	1-chloro-2-nitrobenzene	5.877	111	1392	0.476	ug/ml#	1
62)	Caprolactam	5.917	55	1361	0.375	ug/ml#	82
63)	1,2,4,5-Tetrachloroben...	6.387	216	5052	0.427	ug/ml#	94
64)	Biphenyl	6.679	154	10707	0.448	ug/ml	96
86)	Dichloran	8.332	206	1010	0.355	ug/ml#	61
87)	Pentachloronitrobenzene	8.478	237	1199	1.030	ug/ml#	76
101)	Diphenamid	9.535	167	6787	0.403	ug/ml#	75

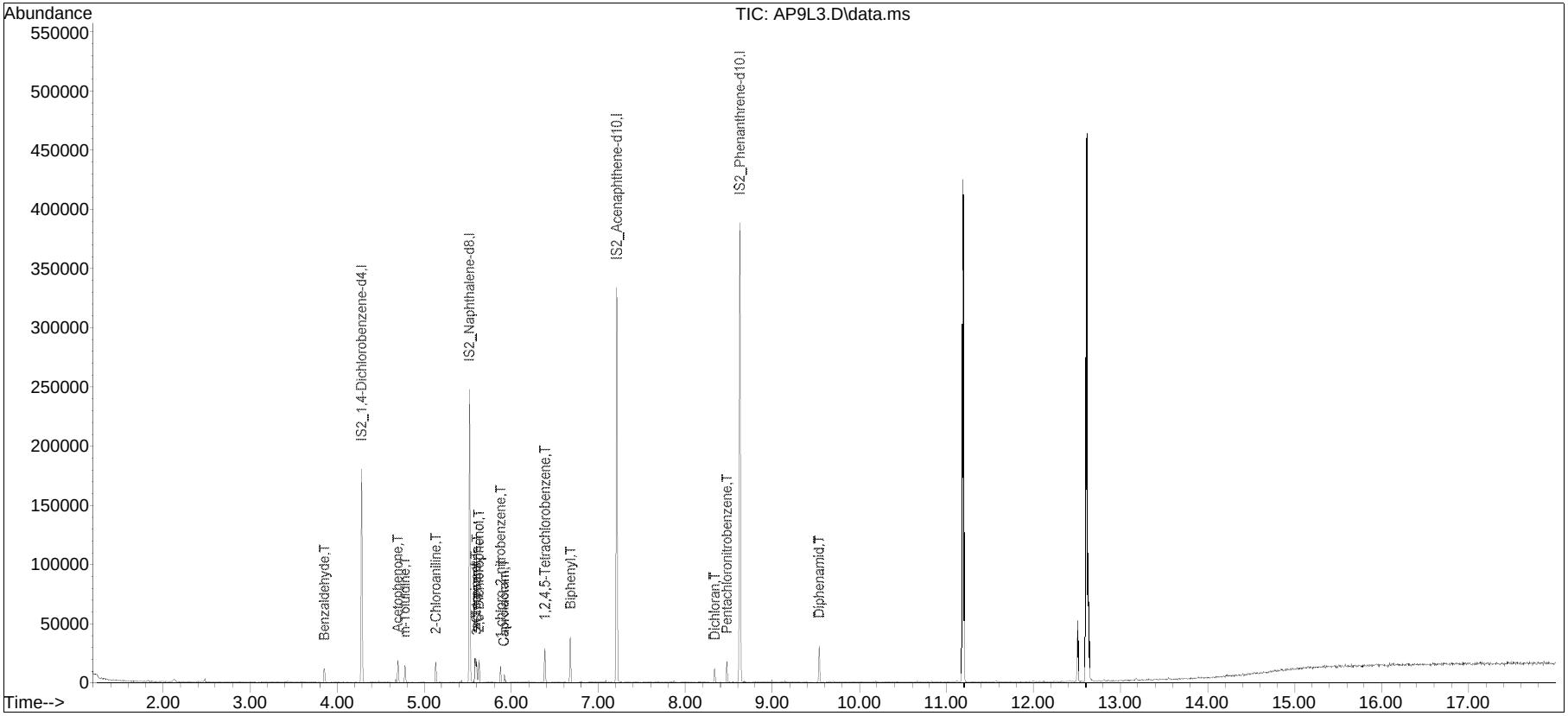
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L3.D
Acq On : 5 Nov 2024 10:49 pm
Operator : Dakota:HNY
Sample : IL8,32,,AP9L0.5 Lot# 11126
Misc : WG1994500
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 09:35:55 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9L3.D	Operator	: Dakota:HNY
Date Inj'd	: 11/5/2024 10:49 pm	Instrument	: Dakota
Sample	: IL8,32,,AP9L0.5 Lot# 11126	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
27)	IS2_1,4-Dichlorobenzen...	4.282	152	27477	4.000	ug/ml		0.00
	Standard Area 1 = 28342			Recovery = 96.95%				
57)	IS2_Naphthalene-d8	5.519	136	98352	4.000	ug/ml	#	0.00
	Standard Area 1 = 98544			Recovery = 99.81%				
85)	IS2_Acenaphthene-d10	7.210	164	62816	4.000	ug/ml		0.00
	Standard Area 1 = 64361			Recovery = 97.60%				
100)	IS2_Phenanthrene-d10	8.621	188	141690	4.000	ug/ml		0.00
	Standard Area 1 = 142493			Recovery = 99.44%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
28)	Benzaldehyde	3.854	105	776	0.137	ug/ml		90
29)	Acetophenone	4.699	105	1761	0.165	ug/ml	#	39
30)	m-Toluidine	4.783	106	852	0.089	ug/ml	#	88
31)	2-Chloroaniline	5.134	127	1745	0.174	ug/ml	#	42
58)	a-Terpineol	5.591	59	1032	0.166	ug/ml	#	83
59)	3-Chloroaniline	5.600	65	425M2	0.128	ug/ml		
60)	2,6-Dichlorophenol	5.628	162	1208	0.148	ug/ml	#	82
61)	1-chloro-2-nitrobenzene	5.877	111	446M2	0.151	ug/ml		
62)	Caprolactam	5.930	55	508M2	0.139	ug/ml		
63)	1,2,4,5-Tetrachloroben...	6.383	216	2062	0.172	ug/ml	#	81
64)	Biphenyl	6.679	154	3880	0.161	ug/ml		93
86)	Dichloran	8.332	206	473M2	0.162	ug/ml		
87)	Pentachloronitrobenzene	8.478	237	438M2	0.816	ug/ml		
101)	Diphenamid	9.535	167	2689	0.156	ug/ml	#	71

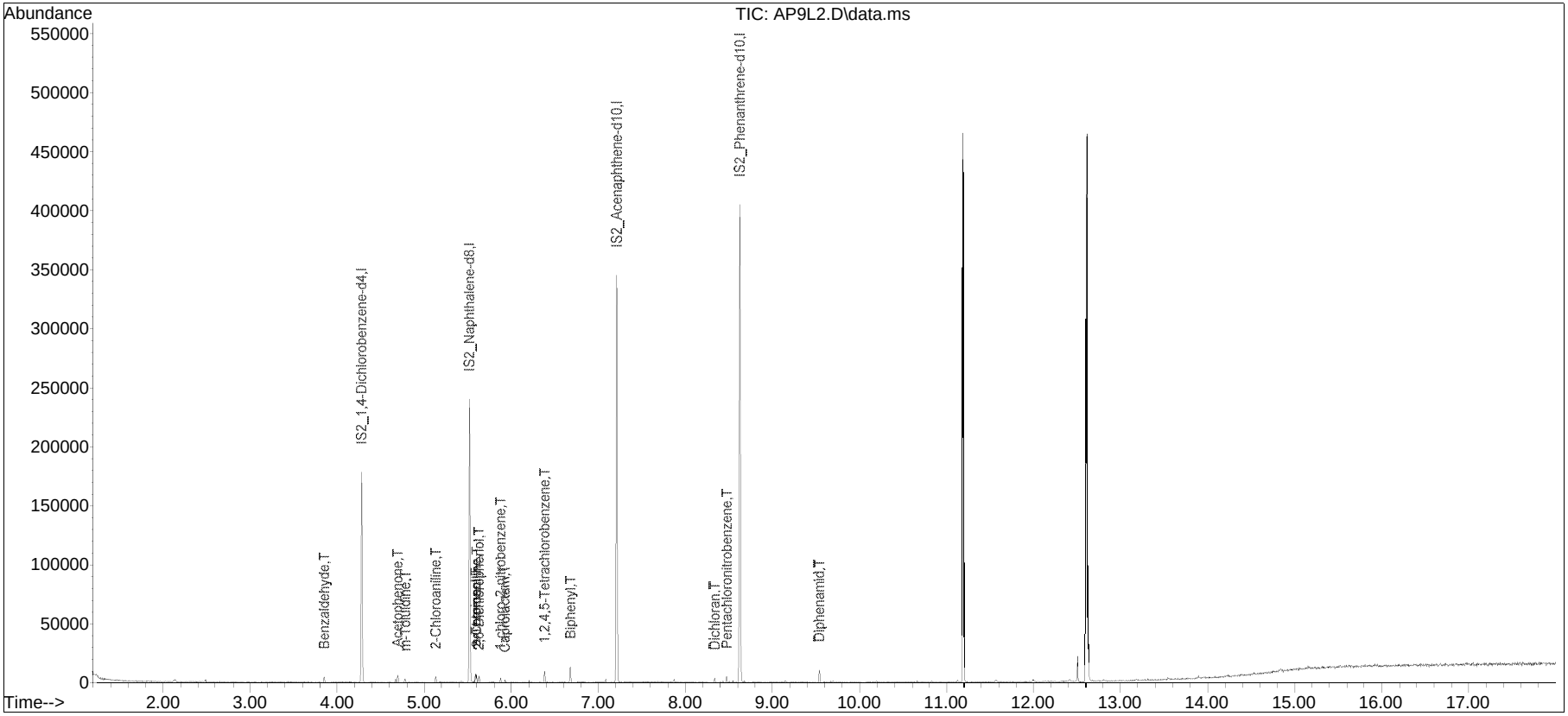
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L2.D
Acq On : 5 Nov 2024 11:13 pm
Operator : Dakota:HNY
Sample : IL9,32,,AP9L0.2 Lot# 11127
Misc : WG1994500
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 06 09:35:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

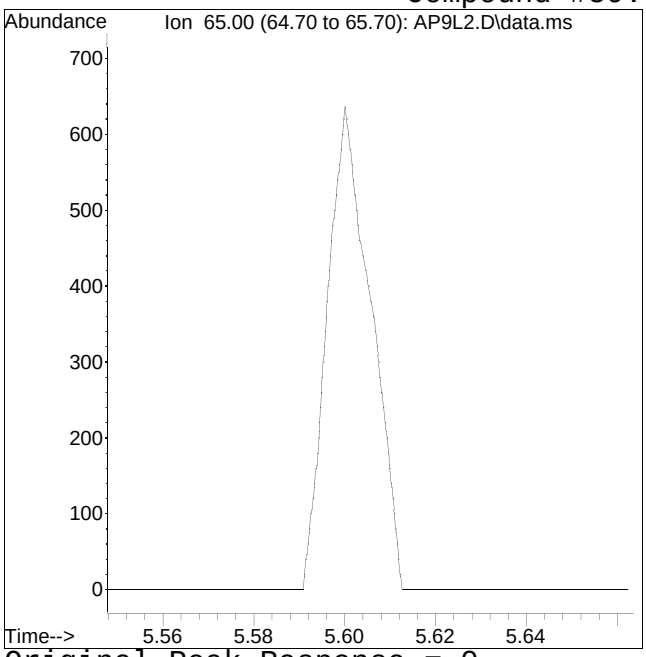
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

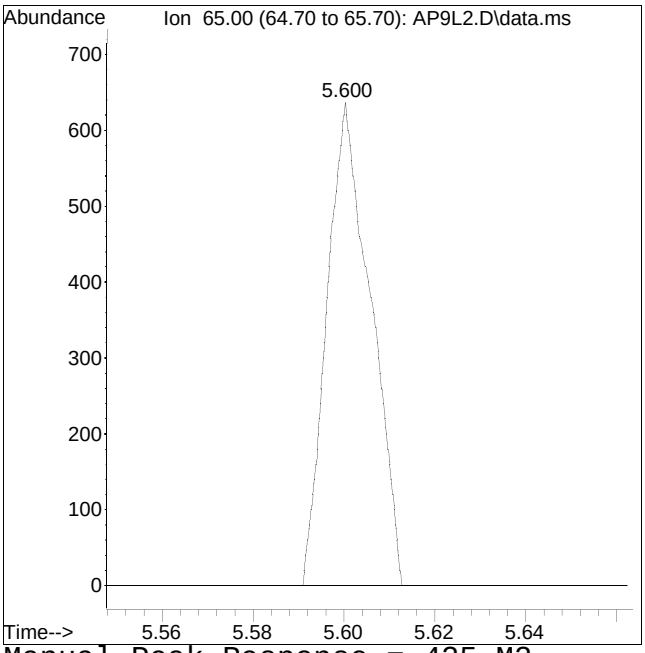


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



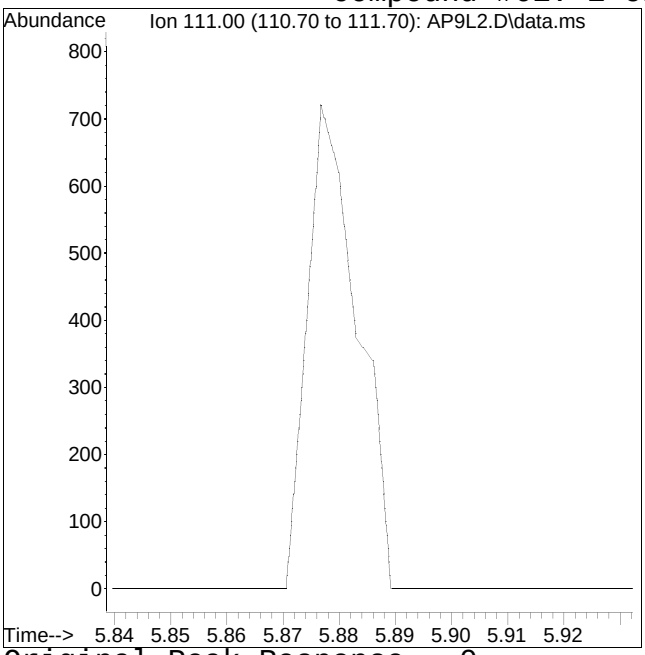


Original Peak Response = 0
Manual Peak Response = 425 M2
M2 = Peak not found by automatic integration algorithm.

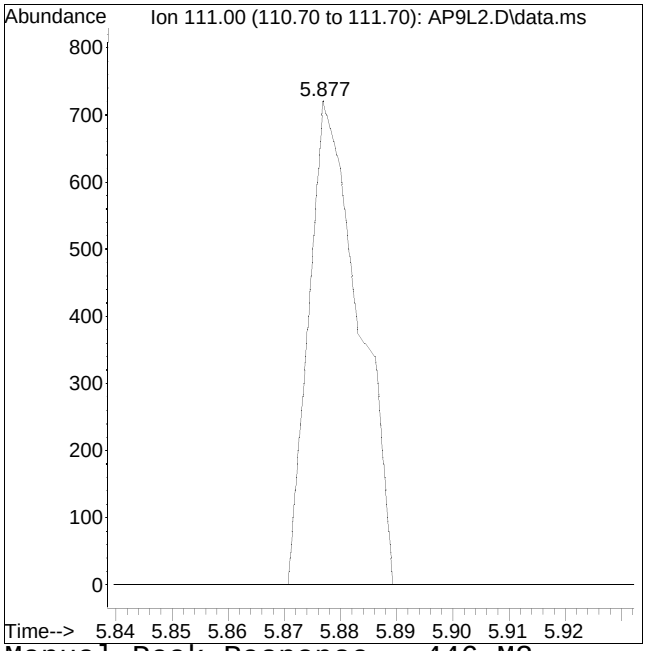
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



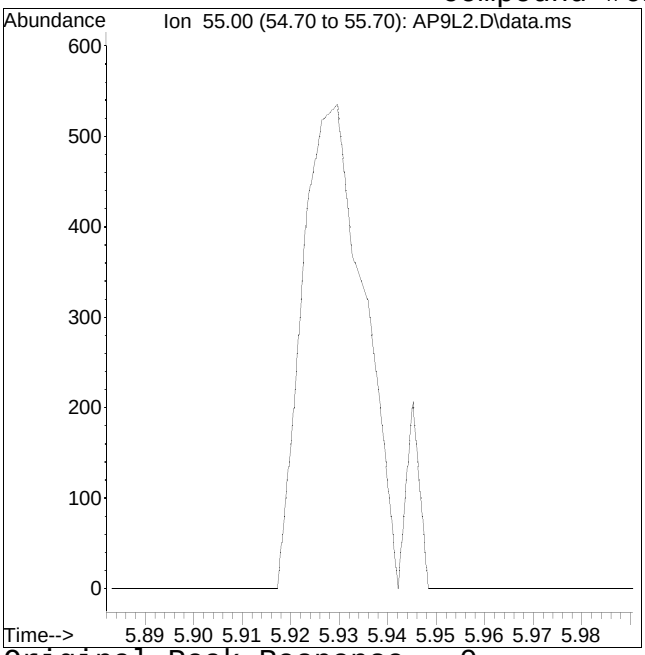
Manual Peak Response = 446 M2

M2 = Peak not found by automatic integration algorithm.

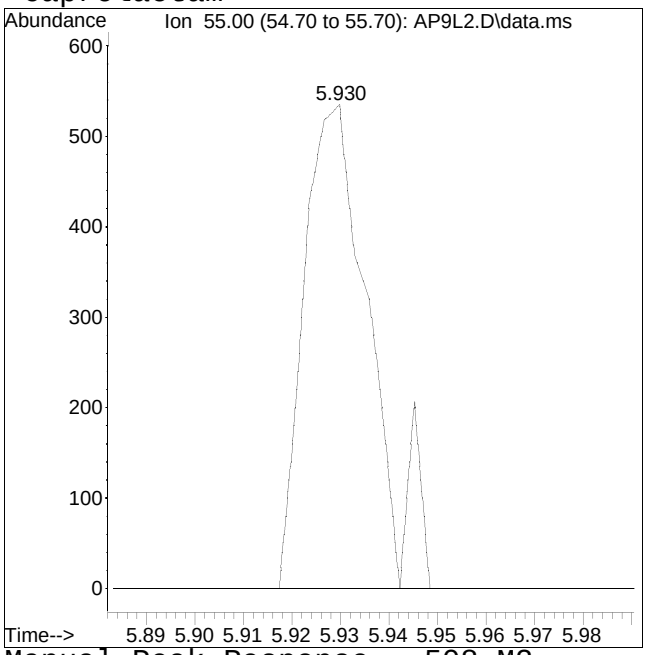
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



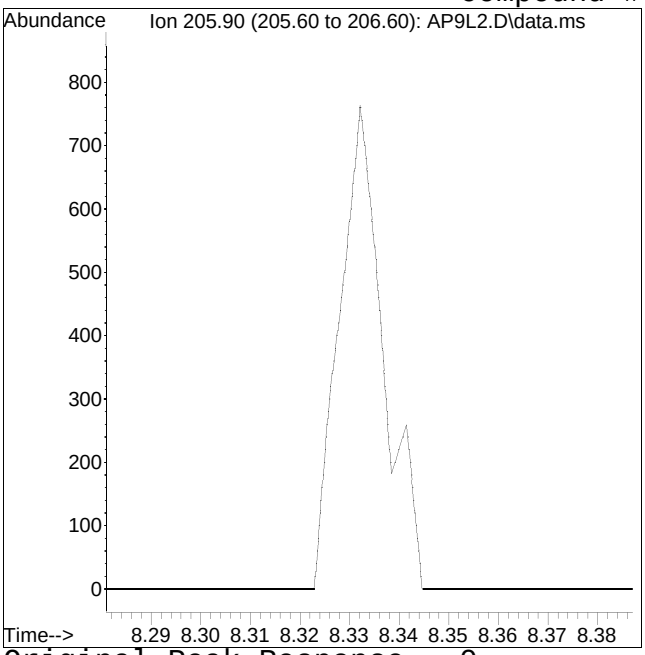
Manual Peak Response = 508 M2

M2 = Peak not found by automatic integration algorithm.

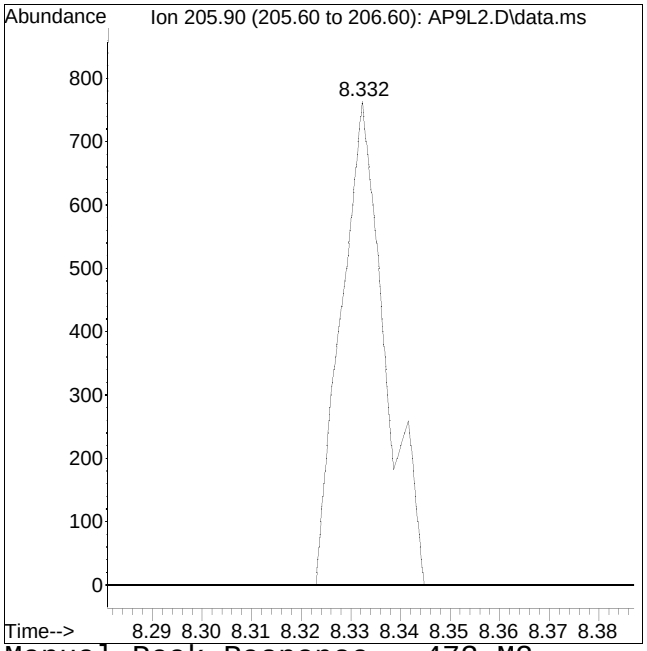
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L2.D
Date Inj'd : 11/5/2024 11:13 pm
Sample : IL9,32,,AP9L0.2 Lot# 11127
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



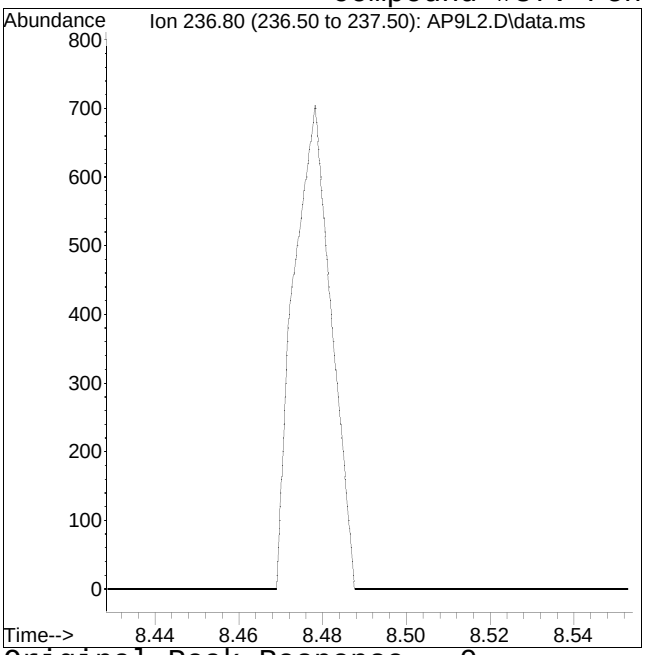
Manual Peak Response = 473 M2

M2 = Peak not found by automatic integration algorithm.

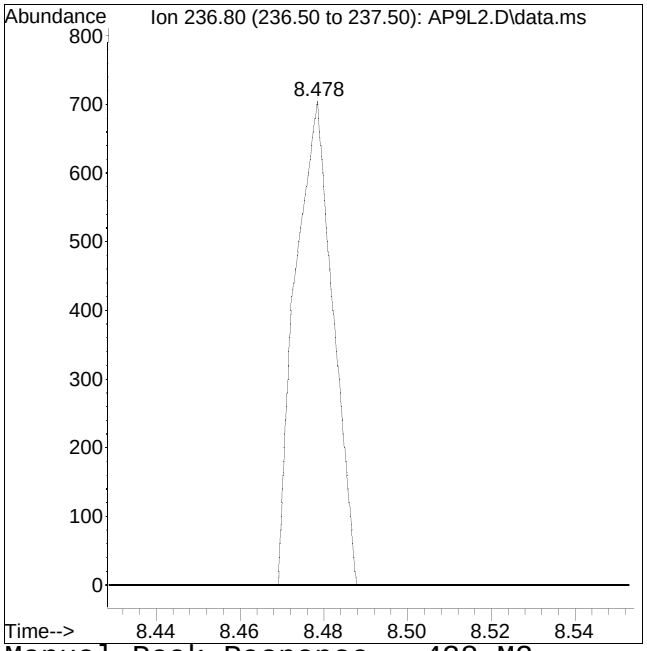
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : AP9L2.D Operator : Dakota:HNY
Date Inj'd : 11/5/2024 11:13 pm Instrument : Dakota
Sample : IL9,32,,AP9L0.2 Lot# 11127Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 438 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.286	152	28042	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery = 98.94%			
57) IS2_Naphthalene-d8	5.519	136	99051	4.000	ug/ml	# 0.00
Standard Area 1 = 98544			Recovery = 100.51%			
85) IS2_Acenaphthene-d10	7.210	164	62731	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery = 97.47%			
100) IS2_Phenanthrene-d10	8.621	188	139376	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery = 97.81%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.850	105	375M2	0.065	ug/ml	
29) Acetophenone	4.702	105	776M6	0.071	ug/ml	
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.134	127	756	0.074	ug/ml#	42
58) a-Terpineol	5.588	59	402M2	0.064	ug/ml	
59) 3-Chloroaniline	5.603	65	70M2	0.021	ug/ml	
60) 2,6-Dichlorophenol	5.628	162	620	0.075	ug/ml#	15
61) 1-chloro-2-nitrobenzene	5.880	111	168M2	0.056	ug/ml	
62) Caprolactam	5.936	55	285M2	0.077	ug/ml	
63) 1,2,4,5-Tetrachloroben...	6.387	216	878	0.073	ug/ml#	87
64) Biphenyl	6.679	154	1780	0.073	ug/ml#	92
86) Dichloran	8.332	206	178M2	0.061	ug/ml	
87) Pentachloronitrobenzene	8.478	237	72M2	0.717	ug/ml	
101) Diphenamid	9.538	167	1208	0.071	ug/ml#	76

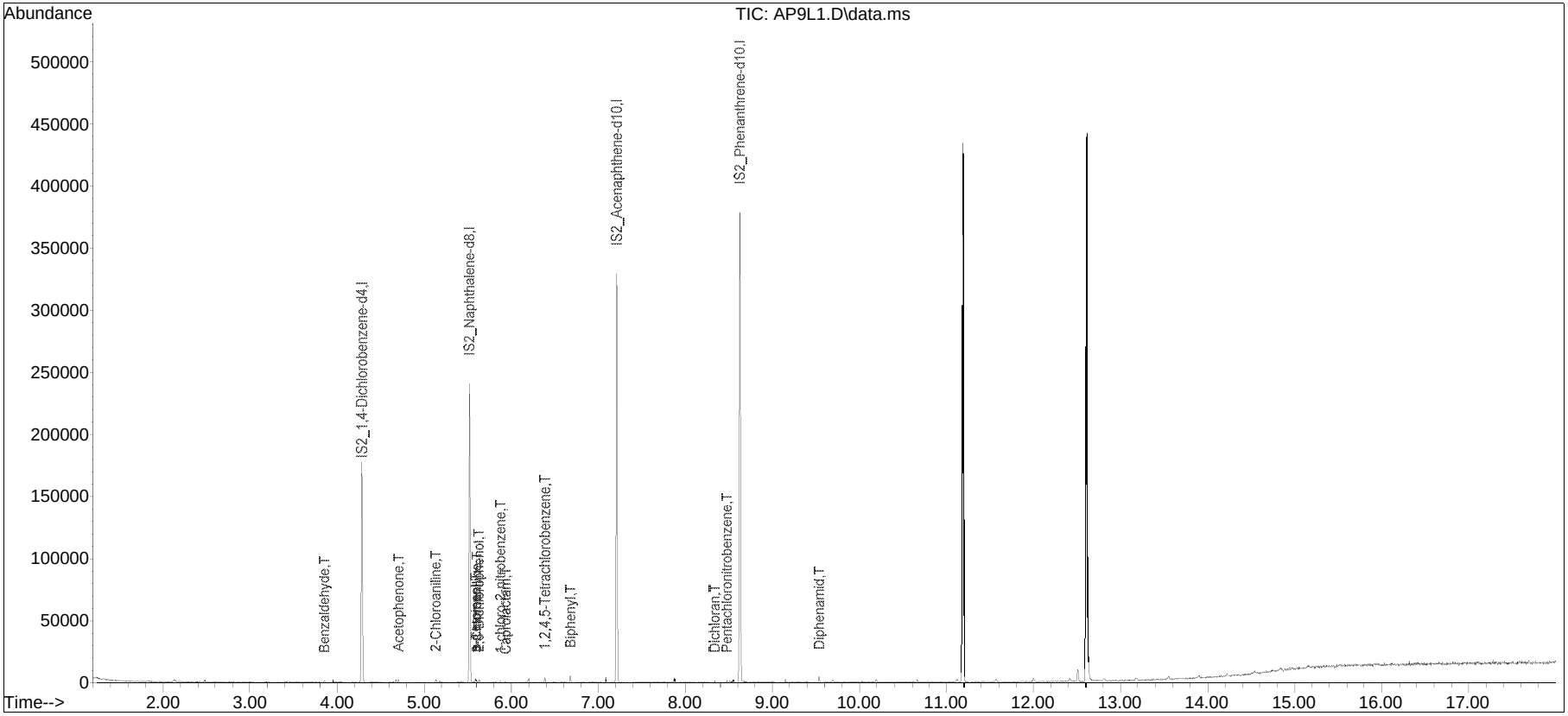
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9L1.D
Acq On : 5 Nov 2024 11:36 pm
Operator : Dakota:HNY
Sample : IL10,32,,AP9L0.1 Lot# 11128
Misc : WG1994500
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 06 09:34:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

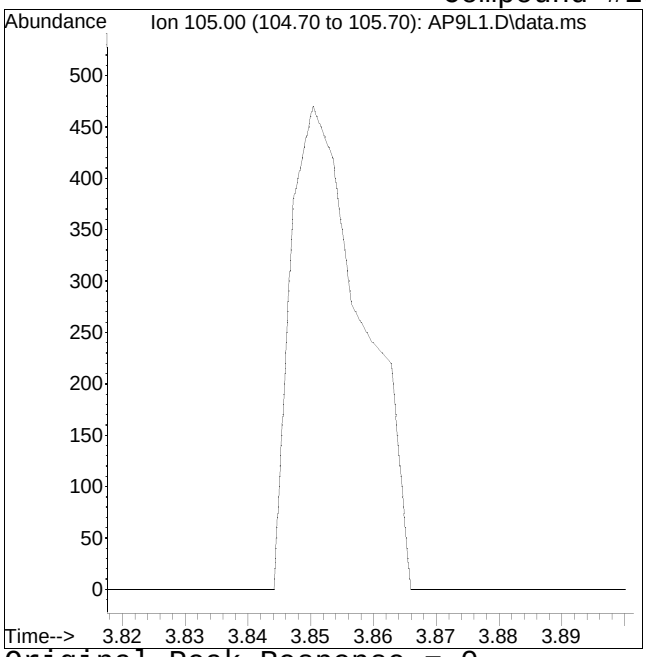
Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•



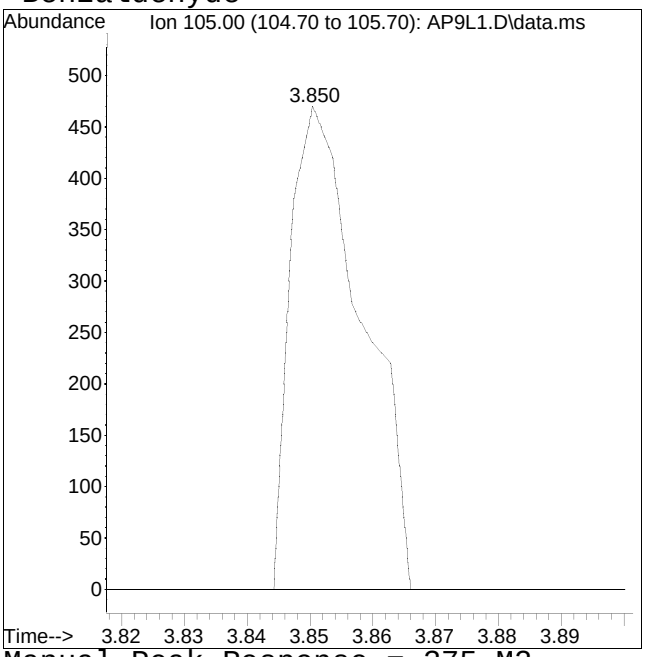
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #28: Benzaldehyde



Original Peak Response = 0



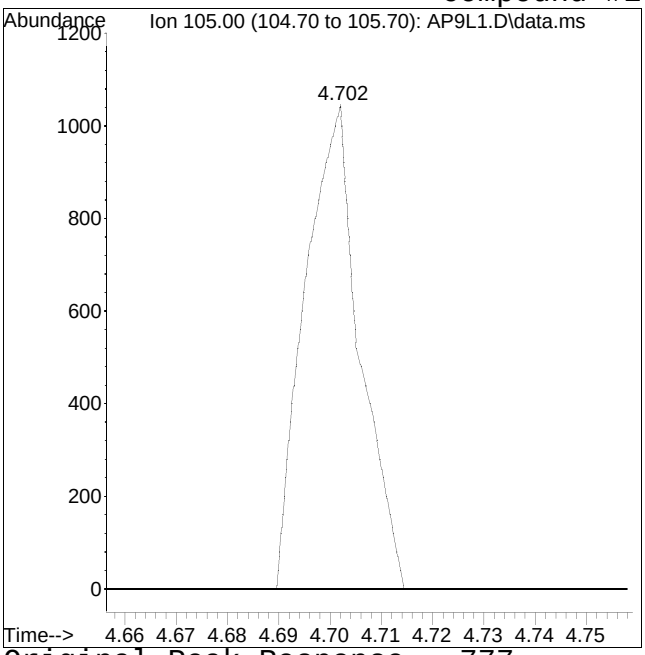
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

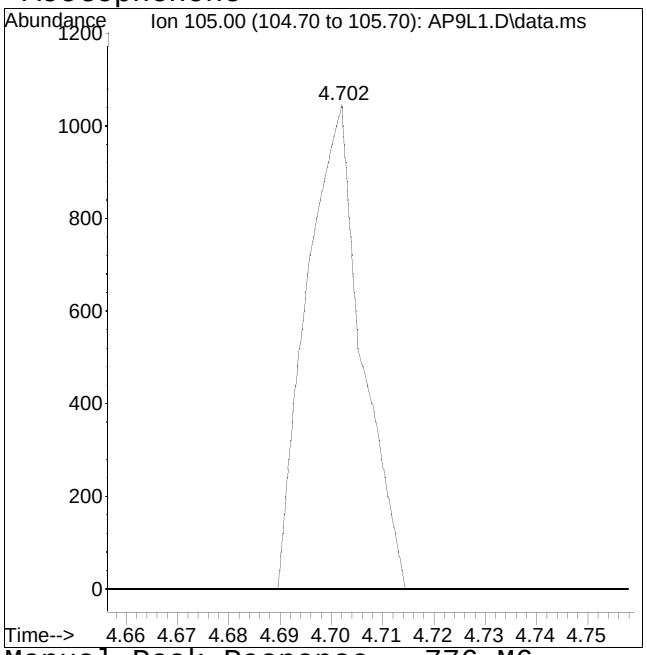
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #29: Acetophenone



Original Peak Response = 777



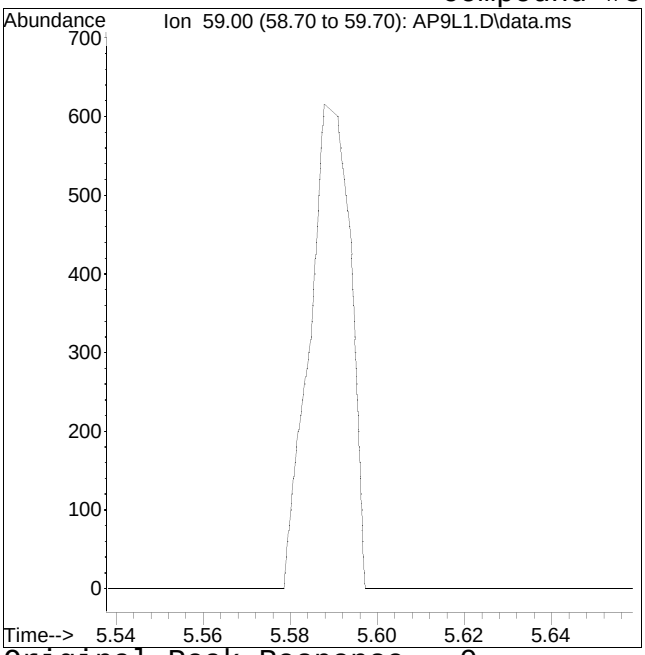
Manual Peak Response = 776 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

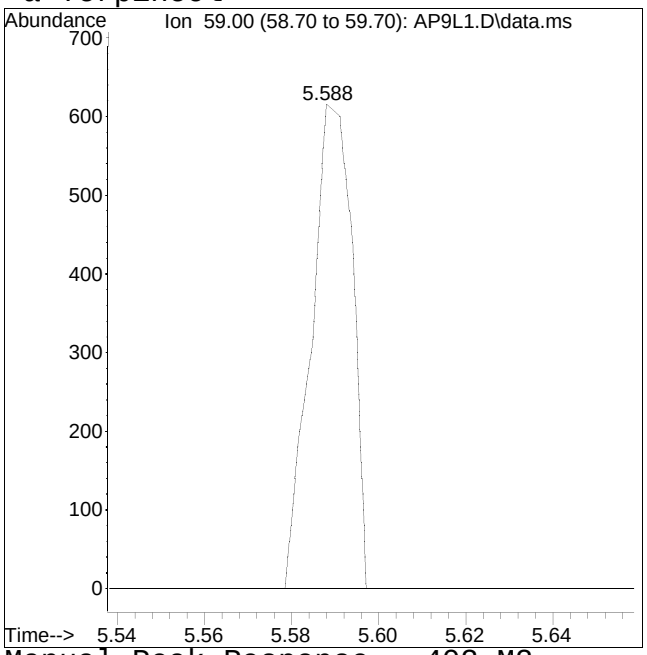
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #58: a-Terpineol



Original Peak Response = 0



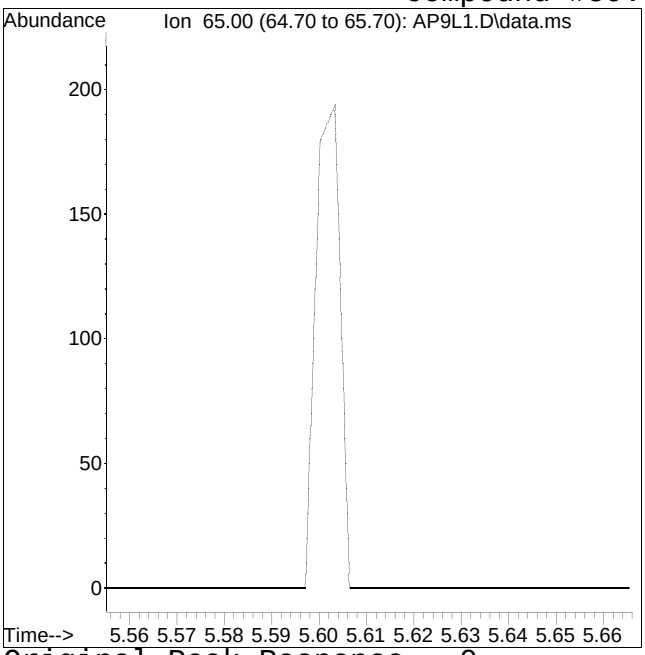
Manual Peak Response = 402 M2

M2 = Peak not found by automatic integration algorithm.

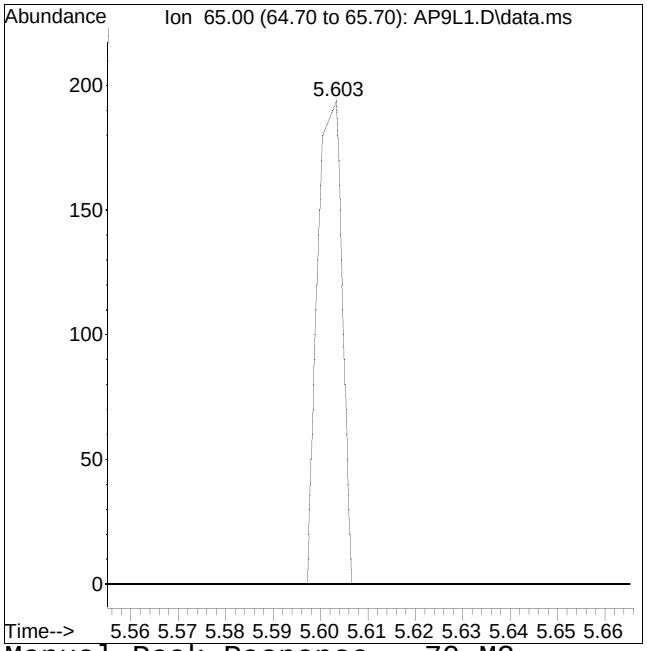
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #59: 3-Chloroaniline



Original Peak Response = 0



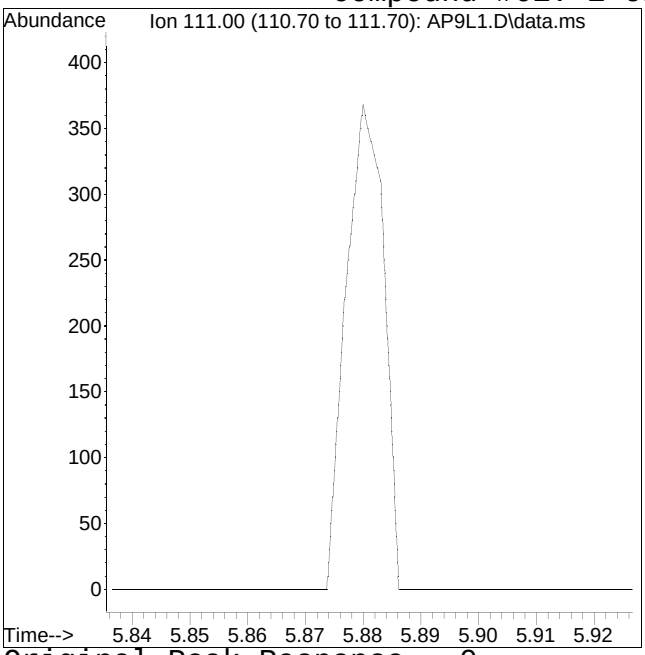
Manual Peak Response = 70 M2

M2 = Peak not found by automatic integration algorithm.

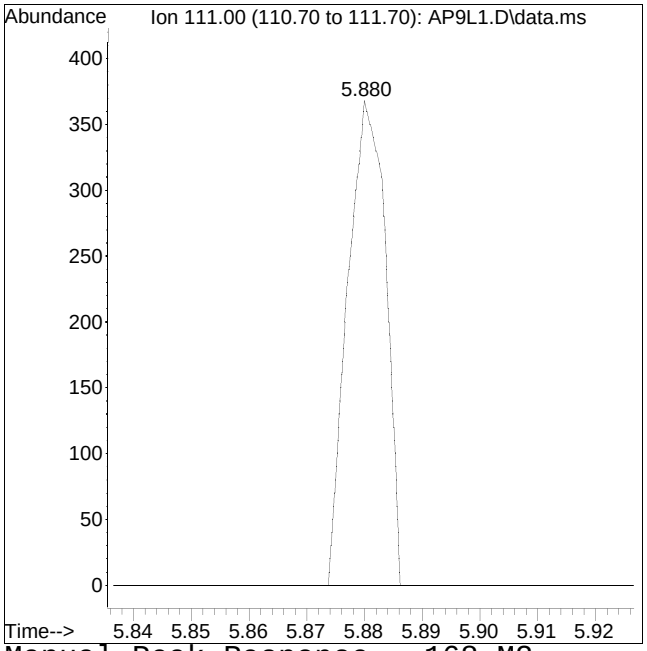
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #61: 1-chloro-2-nitrobenzene



Original Peak Response = 0



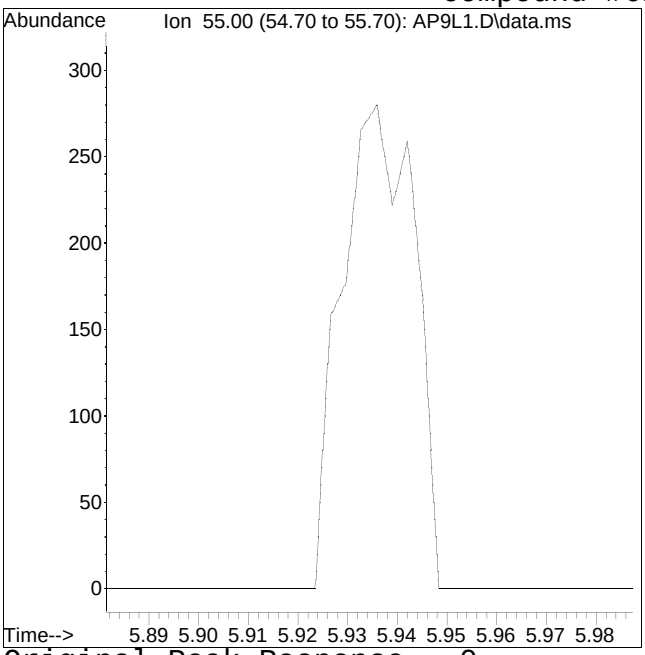
Manual Peak Response = 168 M2

M2 = Peak not found by automatic integration algorithm.

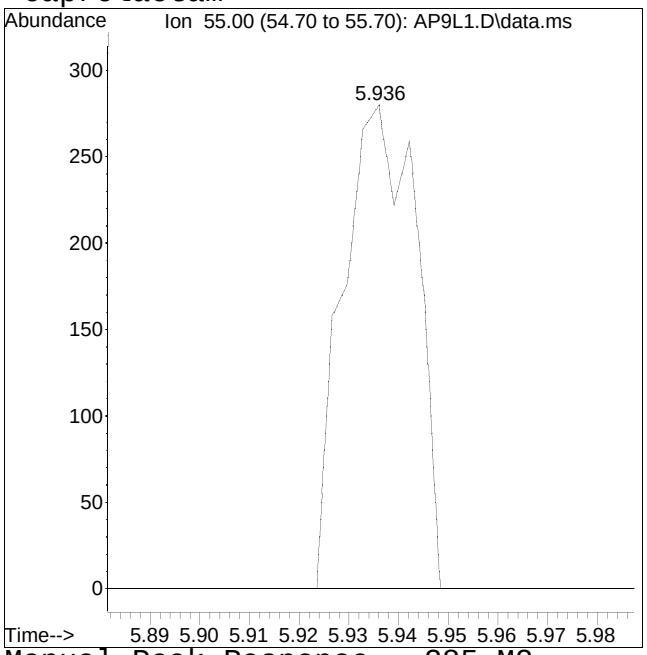
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #62: Caprolactam



Original Peak Response = 0



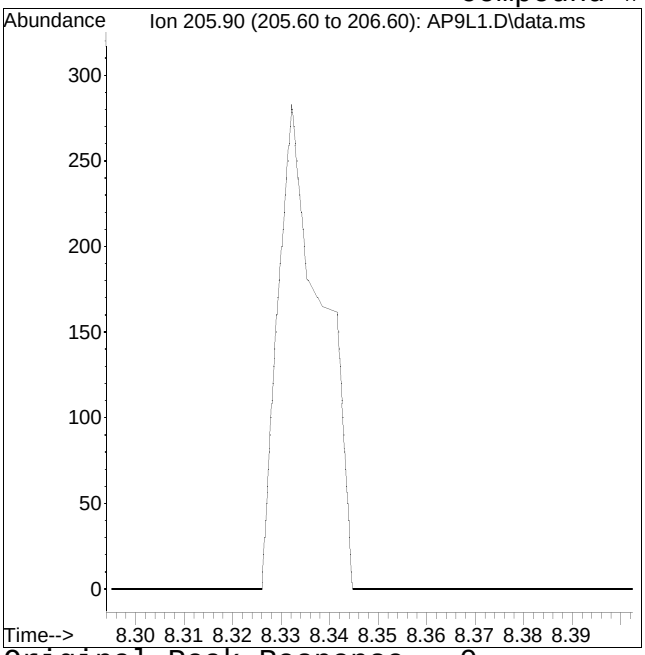
Manual Peak Response = 285 M2

M2 = Peak not found by automatic integration algorithm.

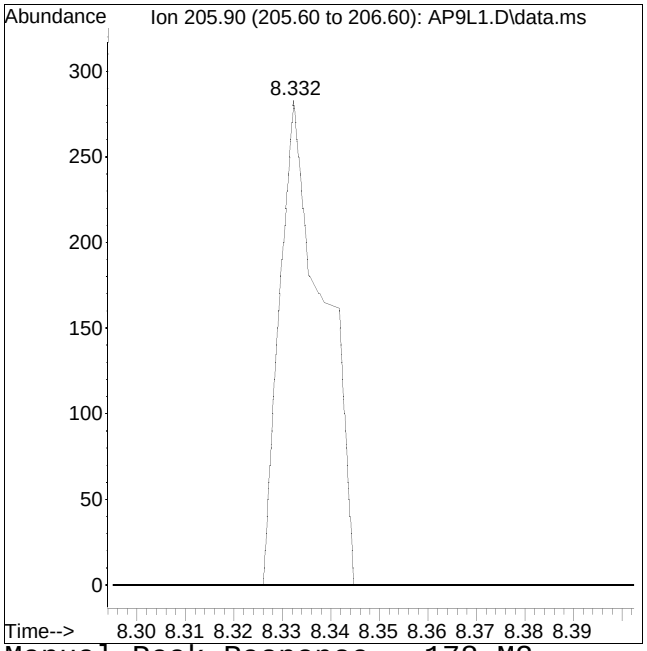
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #86: Dichloran



Original Peak Response = 0



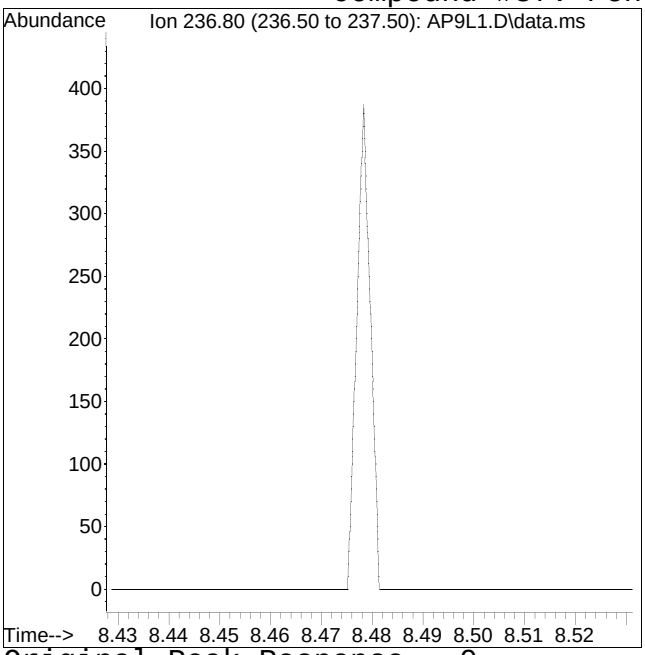
Manual Peak Response = 178 M2

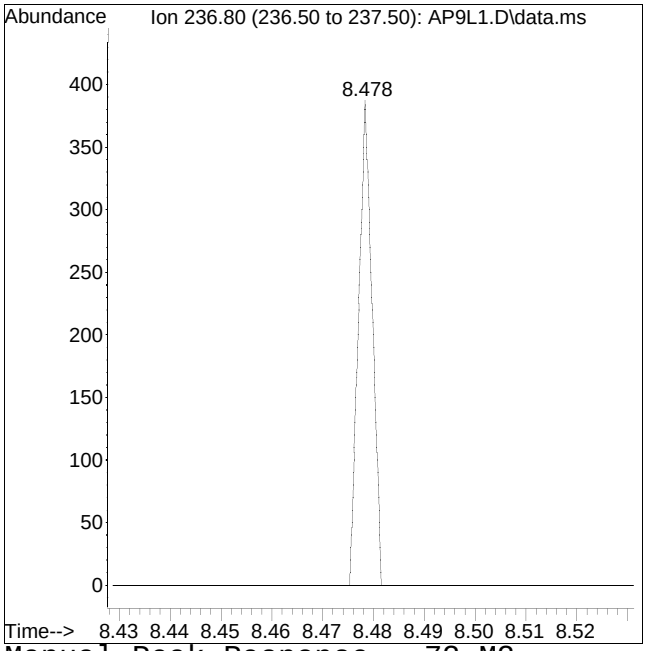
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : AP9L1.D
Date Inj'd : 11/5/2024 11:36 pm
Sample : IL10,32,,AP9L0.1 Lot# 1112
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:37 am

Compound #87: Pentachloronitrobenzene





Original Peak Response = 0
Manual Peak Response = 72 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
2	t	n-Nitrosodimethylamine	0.630	0.605	4.0	101	0.00
3	t	Pyridine	0.954	0.757	20.6#	77	0.00
4	S	2-Fluorophenol	1.028	0.968	5.8	100	0.00
5	T	Aniline	1.567	1.337	14.7	90	0.00
6	t	2-Chlorophenol	1.225	1.160	5.3	99	0.00
7	S	Phenol-d6	1.317	1.189	9.7	96	0.00
8	T	Phenol	1.421	1.295	8.9	96	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.962	5.4	101	0.00
10	T	1,3-Dichlorobenzene	1.577	1.429	9.4	98	0.00
11	T	1,4-Dichlorobenzene	1.610	1.474	8.4	99	0.00
12	T	1,2-Dichlorobenzene	1.534	1.411	8.0	100	0.00
13	t	Benzyl alcohol	0.930	0.869	6.6	99	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.670	6.9	101	0.00
15	T	2-Methylphenol	1.079	0.990	8.2	101	0.00
16	T	Hexachloroethane	0.589	0.529	10.2	101	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.773	10.4	98	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.061	10.2	99	0.00
19	S	Nitrobenzene-d5	1.195	1.112	6.9	98	0.00
20	T	Nitrobenzene	1.222	1.123	8.1	97	0.00
21	T	Isophorone	2.247	2.012	10.5	96	0.00
22	T	2-Nitrophenol	0.619	0.547	11.6	94	0.00
23	T	2,4-Dimethylphenol	1.101	0.834	24.3#	81	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.314	6.1	100	0.00
25	T	2,4-Dichlorophenol	1.285	1.170	8.9	97	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.418	8.8	99	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	104	0.00
38	T	Naphthalene	1.100	0.979	11.0	100	0.00
39	T	Benzoic Acid	0.228	0.175	23.2#	88	0.00
40	T	4-Chloroaniline	0.121	0.104	14.0	92	0.00
41	T	Hexachlorobutadiene	0.258	0.240	7.0	100	0.00
42	T	p-Chloro-m-cresol	0.290	0.261	10.0	97	0.00
43	T	2-Methylnaphthalene	0.761	0.690	9.3	102	0.00
44	T	1-Methylnaphthalene	0.242	0.219	9.5	98	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.211	22.4#	81	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.262	8.7	98	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.284	11.3	98	0.00
48	S	2-Fluorobiphenyl	0.990	0.872	11.9	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene		0.852	0.739	13.3	96	0.00
50	T	2-Nitroaniline		0.218	0.194	11.0	93	0.00
51	T	1,4-Dinitrobenzene		0.095	0.085	10.5	94	0.00
52	T	1,3-Dinitrobenzene		0.113	0.101	10.6	91	0.00
53	T	Dimethyl phthalate		0.991	0.879	11.3	99	0.00
54	T	Acenaphthylene		1.252	1.111	11.3	98	0.00
55	T	2,6-Dinitrotoluene		0.185	0.166	10.3	93	0.00
56	T	1,2-Dinitrobenzene		0.066	0.068	-3.0	101	0.00
65	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	103	0.00
66	T	3-Nitroaniline		0.309	0.291	5.8	97	0.00
67	T	Acenaphthene		1.163	0.993	14.6	97	0.00
68	T	2,4-Dinitrophenol	*	5.000	4.126	17.5	92	0.00
69	T	Dibenzofuran		2.006	1.787	10.9	101	0.00
70	T	2,4-Dinitrotoluene		0.387	0.375	3.1	96	0.00
71	T	4-Nitrophenol		0.230	0.215	6.5	95	0.00
72	T	2,3,5,6-Tetrachlorophenol		0.436	0.395	9.4	96	0.00
73	T	2,3,4,6-Tetrachlorophenol		0.428	0.396	7.5	99	0.00
74	T	Diethyl phthalate		1.575	1.380	12.4	99	0.00
75	T	Fluorene		1.536	1.359	11.5	99	0.00
76	T	4-Chlorophenyl phenyl ether		0.792	0.702	11.4	100	0.00
77	T	4-Nitroaniline		0.299	0.300	-0.3	99	0.00
78	T	4,6-Dinitro-o-cresol		0.234	0.216	7.7	92	0.00
79	T	NDPA/DPA		1.337	1.176	12.0	100	0.00
80	T	Azobenzene		1.281	1.179	8.0	100	0.00
81	S	2,4,6-Tribromophenol		0.286	0.269	5.9	102	0.00
82	T	4-Bromophenyl phenyl ether		0.522	0.455	12.8	99	0.00
83	T	Hexachlorobenzene		0.656	0.553	15.7	98	0.00
84	T	Pentachlorophenol		0.356	0.324	9.0	94	0.00
90	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	102	0.00
91	T	Phenanthrene		1.183	1.044	11.7	98	0.00
92	T	Anthracene		1.160	1.061	8.5	100	0.00
93	T	Carbazole		1.064	0.982	7.7	98	0.00
94	T	Di-n-butylphthalate		1.207	1.119	7.3	97	0.00
95	T	Fluoranthene		1.422	1.289	9.4	100	0.00
96	T	Benzidine		0.772	0.715	7.4	91	0.00
97	T	Pyrene		1.520	1.421	6.5	102	0.00
98	S	4-Terphenyl-d14		1.157	1.045	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 12 11:52:06 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Nov 12 11:53:08 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.492	4.8	97	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	102	0.00
107	T	Benzo(a)anthracene	1.355	1.205	11.1	99	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.480	5.0	98	0.00
109	T	Chrysene	1.349	1.187	12.0	99	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.689	5.1	96	0.00
111	T	Di-n-octylphthalate	1.212	1.150	5.1	97	0.00
112	T	Benzo(b)fluoranthene	1.420	1.274	10.3	99	0.00
113	T	Benzo(k)fluoranthene	1.383	1.303	5.8	99	0.00
114	T	Benzo(a)pyrene	1.267	1.183	6.6	98	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	102	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.129	8.5	98	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.133	6.6	99	0.00
118	T	Benzo(ghi)perylene	1.192	1.061	11.0	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.283	152	29942	4.000	ug/ml	0.00
Standard Area 1 = 30017			Recovery = 99.75%			
37) IS1_Naphthalene-d8	5.520	136	111727	4.000	ug/ml	0.00
Standard Area 1 = 110693			Recovery = 100.93%			
65) IS1_Acenaphthene-d10	7.210	164	71834	4.000	ug/ml	0.00
Standard Area 1 = 71339			Recovery = 100.69%			
90) IS1_Phenanthrene-d10	8.625	188	153221	4.000	ug/ml	0.00
Standard Area 1 = 152962			Recovery = 100.17%			
106) IS1_Chrysene-d12	11.192	240	177321	4.000	ug/ml	0.00
Standard Area 1 = 173819			Recovery = 102.01%			
115) IS1_Perylene-d12	12.609	264	206959	4.000	ug/ml	0.00
Standard Area 1 = 202944			Recovery = 101.98%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.996	112	36238	4.708	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 235.40%#			
7) Phenol-d6	3.984	99	44501	4.514	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 225.70%#			
19) Nitrobenzene-d5	4.833	82	41614	4.652	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 465.20%#			
48) 2-Fluorobiphenyl	6.592	172	121772	4.404	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 440.40%#			
81) 2,4,6-Tribromophenol	7.969	330	24120	4.697	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.85%#			
98) 4-Terphenyl-d14	10.191	244	200195	4.515	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 451.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.600	74	22641	4.799	ug/ml#	79
3) Pyridine	1.641	79	28316M1	3.965	ug/ml	
5) Aniline	3.969	93	50034	4.266	ug/ml	95
6) 2-Chlorophenol	4.077	128	43409	4.734	ug/ml#	87
8) Phenol	3.997	94	48485	4.559	ug/ml	96
9) Bis(2-chloroethyl)ether	4.056	93	36003	4.728	ug/ml	99
10) 1,3-Dichlorobenzene	4.224	146	53479	4.532	ug/ml	94
11) 1,4-Dichlorobenzene	4.298	146	55162	4.578	ug/ml	94
12) 1,2-Dichlorobenzene	4.447	146	52815	4.599	ug/ml	94
13) Benzyl alcohol	4.450	79	32533	4.673	ug/ml	99

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	4.593	45	62522	4.656	ug/ml#	63
15) 2-Methylphenol	4.590	108	37053	4.586	ug/ml	100
16) Hexachloroethane	4.771	117	19810	4.490	ug/ml#	48
17) n-Nitrosodi-n-propylamine	4.721	70	28948	4.483	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.749	108	39726	4.488	ug/ml	100
20) Nitrobenzene	4.848	77	42031	4.594	ug/ml	97
21) Isophorone	5.094	82	75307	4.477	ug/ml	95
22) 2-Nitrophenol	5.165	139	20467	4.419	ug/ml#	86
23) 2,4-Dimethylphenol	5.255	107	31220	3.789	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.339	93	49166	4.692	ug/ml#	97
25) 2,4-Dichlorophenol	5.405	162	43788	4.552	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.479	180	53081	4.560	ug/ml	96
38) Naphthalene	5.538	128	136778	4.451	ug/ml	99
39) Benzoic Acid	5.346	105	24373	3.831	ug/ml	92
40) 4-Chloroaniline	5.622	65	14569	4.314	ug/ml#	63
41) Hexachlorobutadiene	5.697	225	33536	4.646	ug/ml	99
42) p-Chloro-m-cresol	6.126	107	36518	4.511	ug/ml	91
43) 2-Methylnaphthalene	6.216	142	96343	4.531	ug/ml	95
44) 1-Methylnaphthalene	6.309	115	30554	4.519	ug/ml	93
45) Hexachlorocyclopentadiene	6.390	237	29425	3.870	ug/ml	99
46) 2,4,6-Trichlorophenol	6.508	196	36634	4.577	ug/ml	98
47) 2,4,5-Trichlorophenol	6.536	196	39640	4.429	ug/ml	99
49) 2-Chloronaphthalene	6.676	162	103138	4.332	ug/ml	93
50) 2-Nitroaniline	6.794	138	27096	4.447	ug/ml#	78
51) 1,4-Dinitrobenzene	6.928	168	11911	4.501	ug/ml	83
52) 1,3-Dinitrobenzene	7.002	168	14057	4.435	ug/ml#	1
53) Dimethyl phthalate	7.005	163	122829	4.438	ug/ml#	98
54) Acenaphthylene	7.067	152	155180	4.438	ug/ml	99
55) 2,6-Dinitrotoluene	7.043	165	23242	4.499	ug/ml#	79
56) 1,2-Dinitrobenzene	7.080	168	9499	5.134	ug/ml#	1
66) 3-Nitroaniline	7.192	138	26098	4.705	ug/ml#	86
67) Acenaphthene	7.238	154	89205	4.270	ug/ml	87
68) 2,4-Dinitrophenol	7.291	184	13757	4.126	ug/ml#	80
69) Dibenzofuran	7.409	168	160445	4.454	ug/ml	90
70) 2,4-Dinitrotoluene	7.425	165	33658	4.841	ug/ml#	80
71) 4-Nitrophenol	7.394	65	19325	4.673	ug/ml#	28
72) 2,3,5,6-Tetrachlorophenol	7.506	232	35437	4.522	ug/ml	98
73) 2,3,4,6-Tetrachlorophenol	7.543	232	35578	4.631	ug/ml	98
74) Diethyl phthalate	7.689	149	123901	4.382	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ABNL7.D
: 2 - I:\8270\Dakota\241105RVTICAL\ADPL7.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) Fluorene	7.736	166	122050	4.424	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.764	204	63042	4.434	ug/ml#	86
77) 4-Nitroaniline	7.773	138	26907	5.018	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.810	198	19382	4.612	ug/ml#	59
79) NDPA/DPA	7.879	169	105614	4.400	ug/ml	93
80) Azobenzene	7.910	77	105841	4.602	ug/ml	98
82) 4-Bromophenyl phenyl e...	8.227	248	40811	4.357	ug/ml#	79
83) Hexachlorobenzene	8.267	284	49668	4.213	ug/ml#	80
84) Pentachlorophenol	8.463	266	29051	4.546	ug/ml	99
91) Phenanthrene	8.646	178	199979	4.414	ug/ml	99
92) Anthracene	8.693	178	203231	4.574	ug/ml	99
93) Carbazole	8.867	167	188138	4.614	ug/ml	98
94) Di-n-butylphthalate	9.271	149	214371	4.637	ug/ml#	98
95) Fluoranthene	9.781	202	246949	4.533	ug/ml#	91
96) Benzidine	9.946	184	136878	4.630	ug/ml#	95
97) Pyrene	9.989	202	272087	4.674	ug/ml	99
99) Butyl benzyl phthalate	10.707	149	94148	4.755	ug/ml#	83
107) Benzo(a)anthracene	11.183	228	267033	4.445	ug/ml	99
108) 3,3'-Dichlorobenzidine	11.195	252	106445	4.756	ug/ml#	95
109) Chrysene	11.217	228	263085	4.399	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.335	149	152756	4.744	ug/ml#	89
111) Di-n-octylphthalate	11.994	149	254994	4.747	ug/ml#	72
112) Benzo(b)fluoranthene	12.252	252	282392	4.487	ug/ml#	94
113) Benzo(k)fluoranthene	12.280	252	288769	4.709	ug/ml#	93
114) Benzo(a)pyrene	12.553	252	262323	4.671	ug/ml#	93
116) Indeno(1,2,3-cd)pyrene	13.545	276	292191	4.576	ug/mL#	89
117) Dibenzo(a,h)anthracene	13.570	278	293099	4.671	ug/ml#	89
118) Benzo(ghi)perylene	13.753	276	274527	4.451	ug/ml#	86

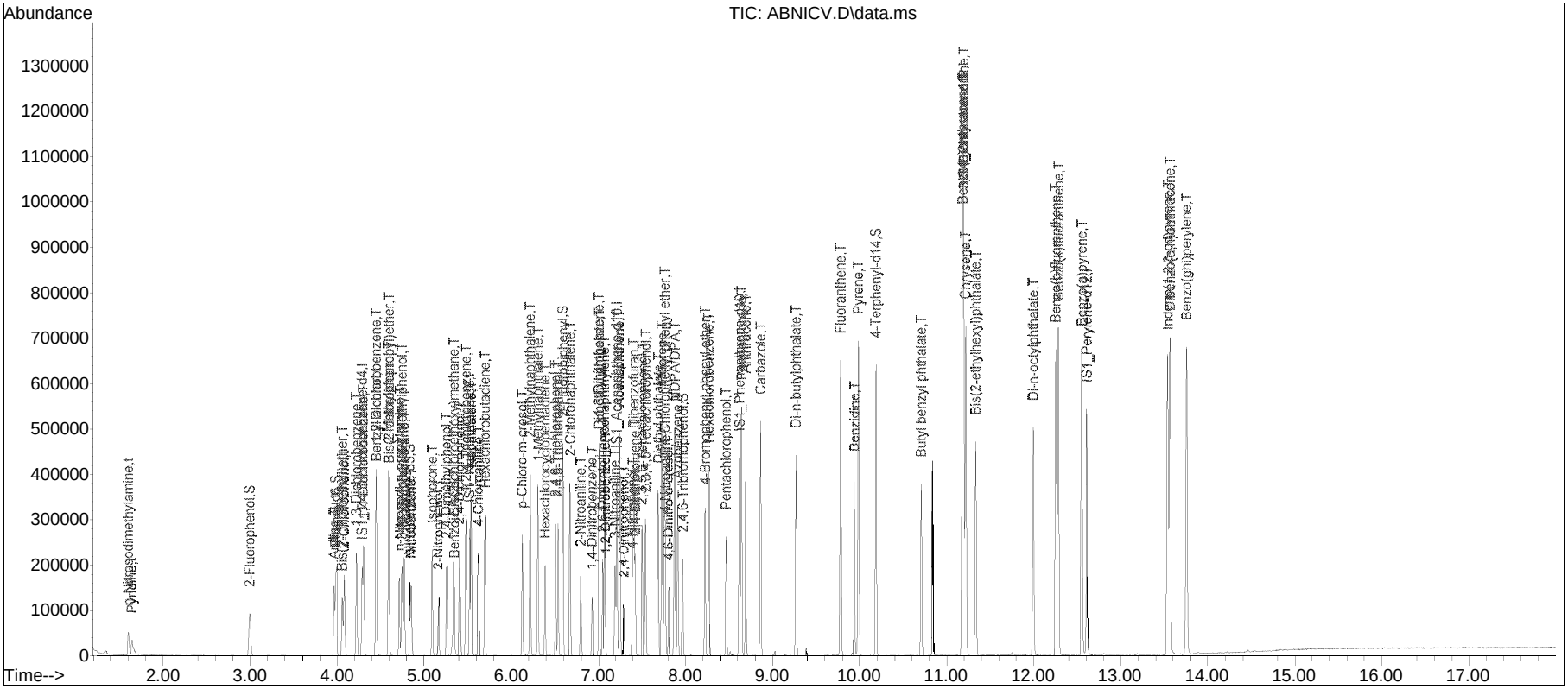
(#) = qualifier out of range (m) = manual integration (+) = signals summed

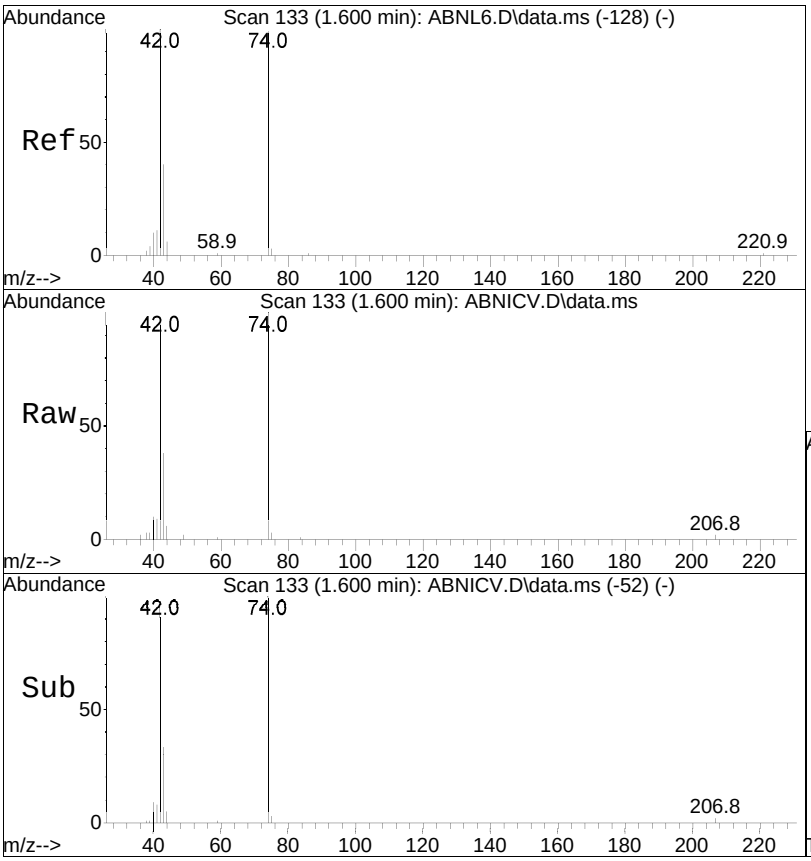
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ABNICV.D
Acq On : 5 Nov 2024 11:59 pm
Operator : Dakota:HNY
Sample : CQICV1,32,,ABNICV Lot# 11138
Misc : WG1994500
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 11 15:34:43 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistVTICAL\ADPL7.D•

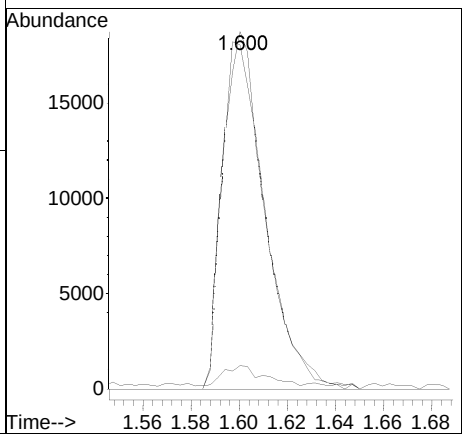


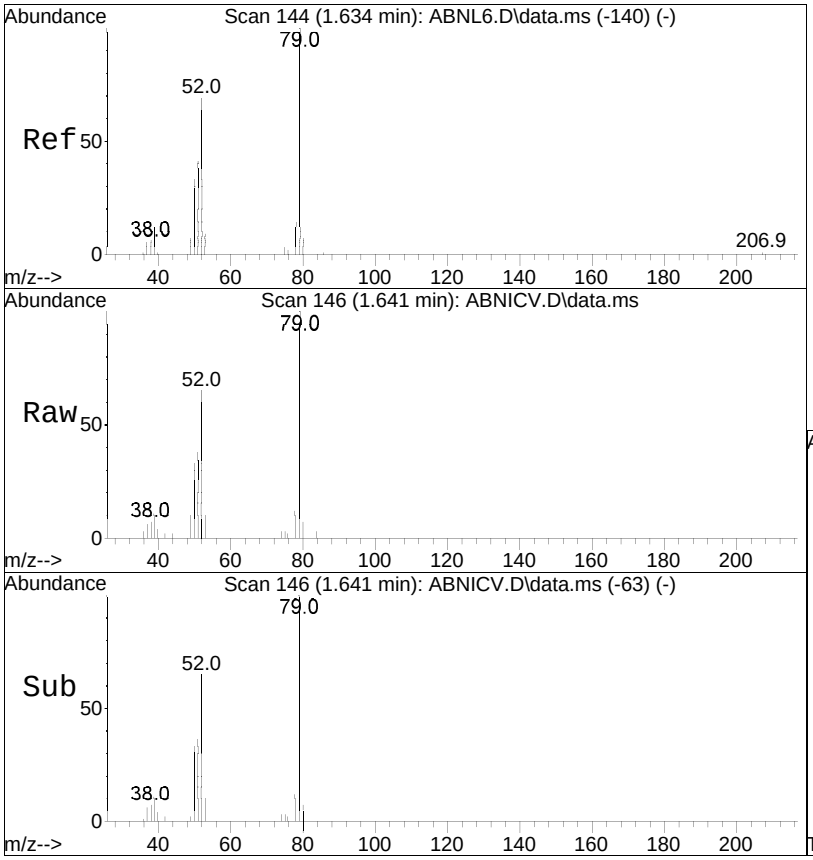


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.600 min Scan# 133
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 74 Resp: 22641

Ion	Ratio	Lower	Upper
74	100		
42	99.8	100.0	150.0#
44	5.3	6.7	10.1#

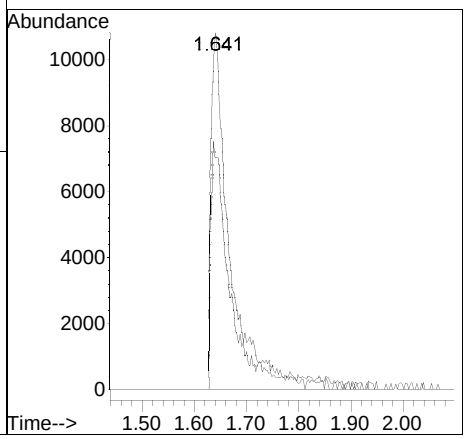


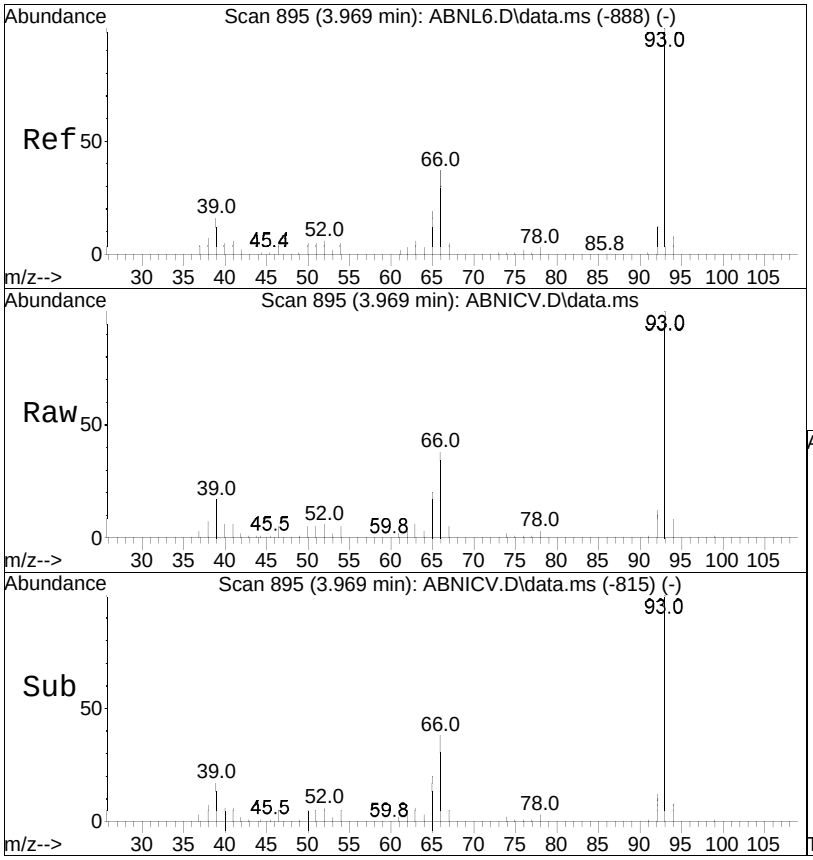


#3
Pyridine
Concen: 3.97 ug/ml M1
RT: 1.641 min Scan# 146
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 28316

Ion	Ratio	Lower	Upper
79	100		
52	57.6	93.1	139.7#

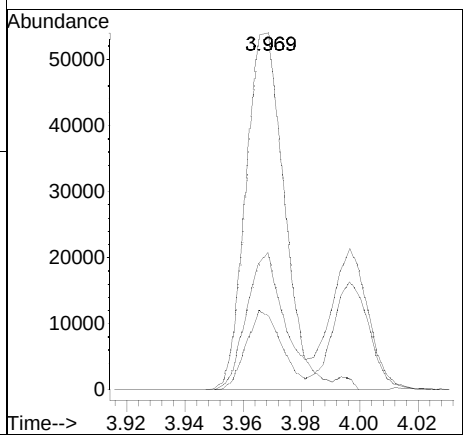


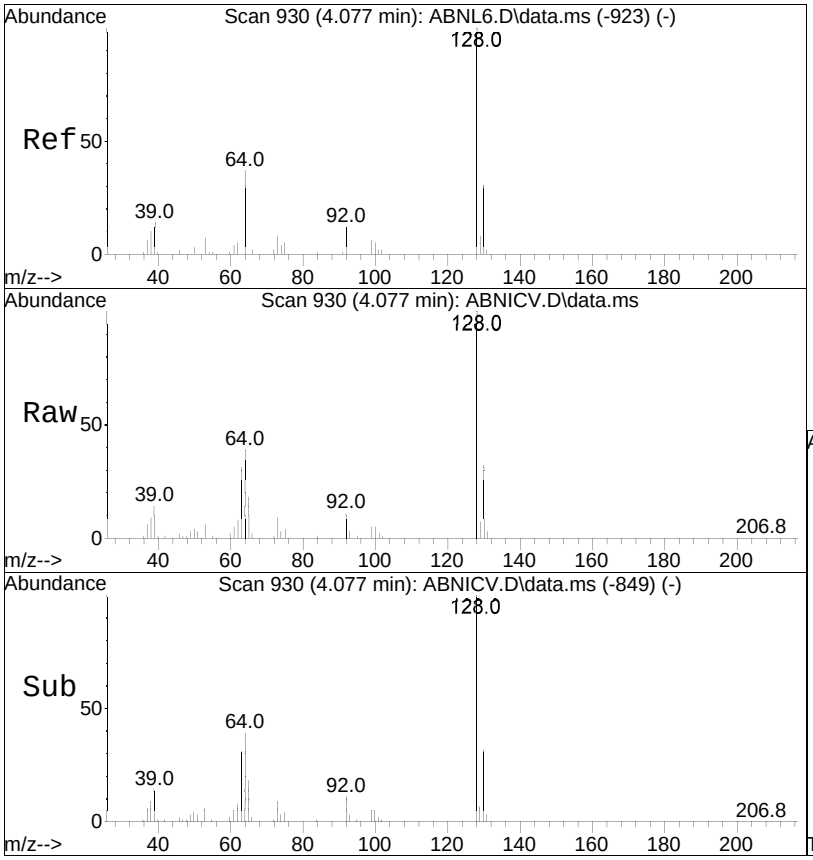


#5
Aniline
Concen: 4.27 ug/ml
RT: 3.969 min Scan# 895
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 50034

Ion	Ratio	Lower	Upper
93	100		
66	37.2	32.6	49.0
65	20.8	17.6	26.4

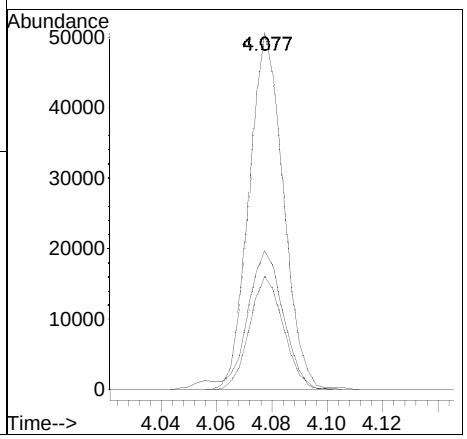


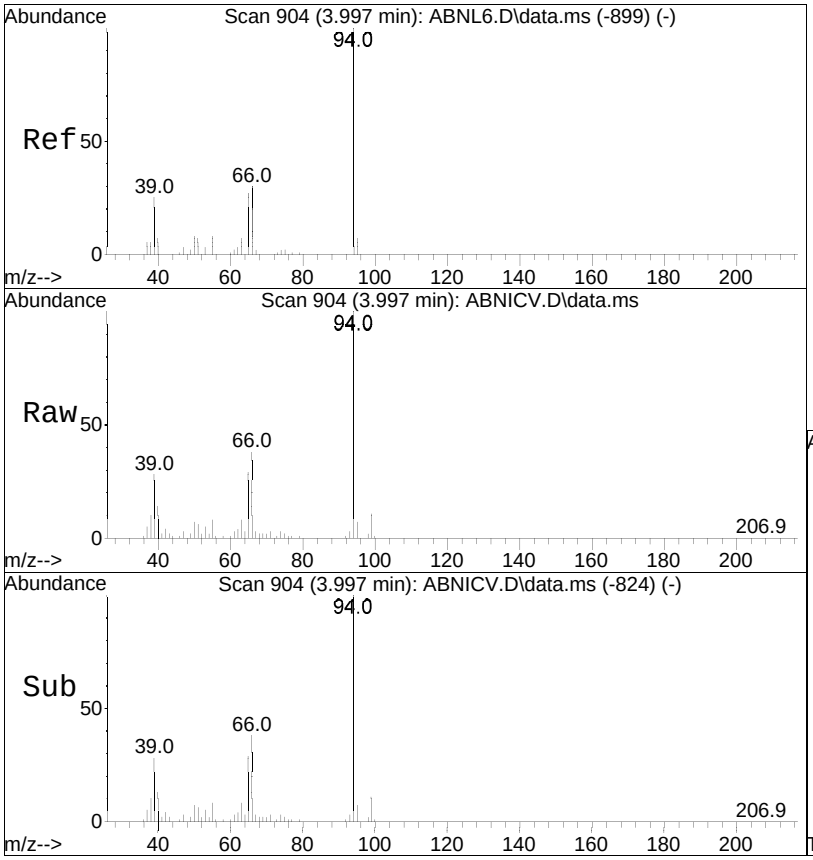


#6
2-Chlorophenol
Concen: 4.73 ug/ml
RT: 4.077 min Scan# 930
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 43409

Ion	Ratio	Lower	Upper
128	100		
64	42.2	45.1	67.7#
130	31.8	26.2	39.4

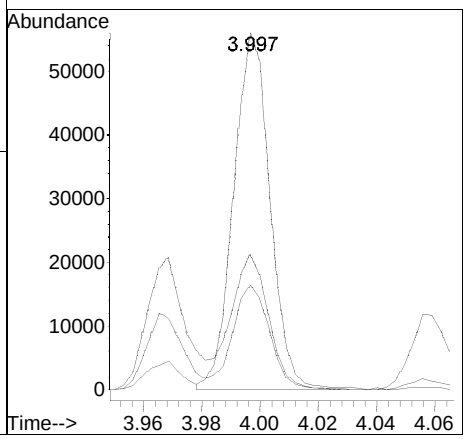


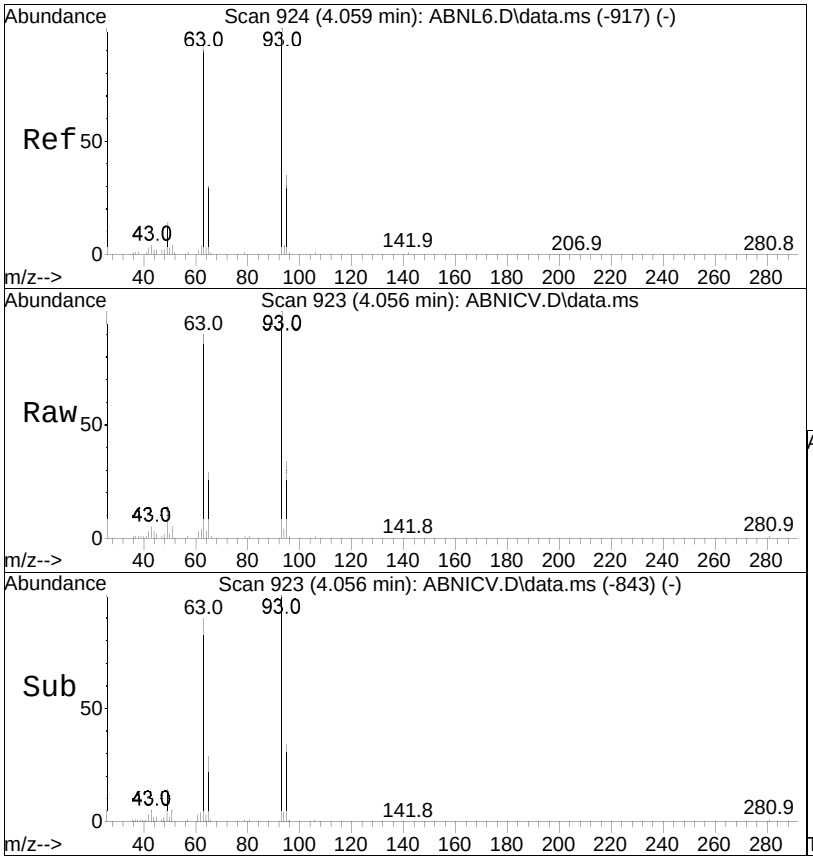


#8
Phenol
Concen: 4.56 ug/ml
RT: 3.997 min Scan# 904
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 94 Resp: 48485

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	40.2	33.8	50.8

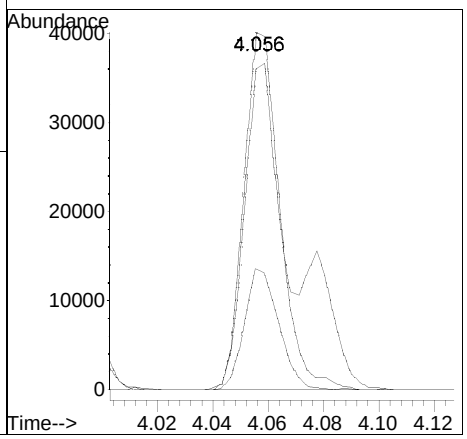


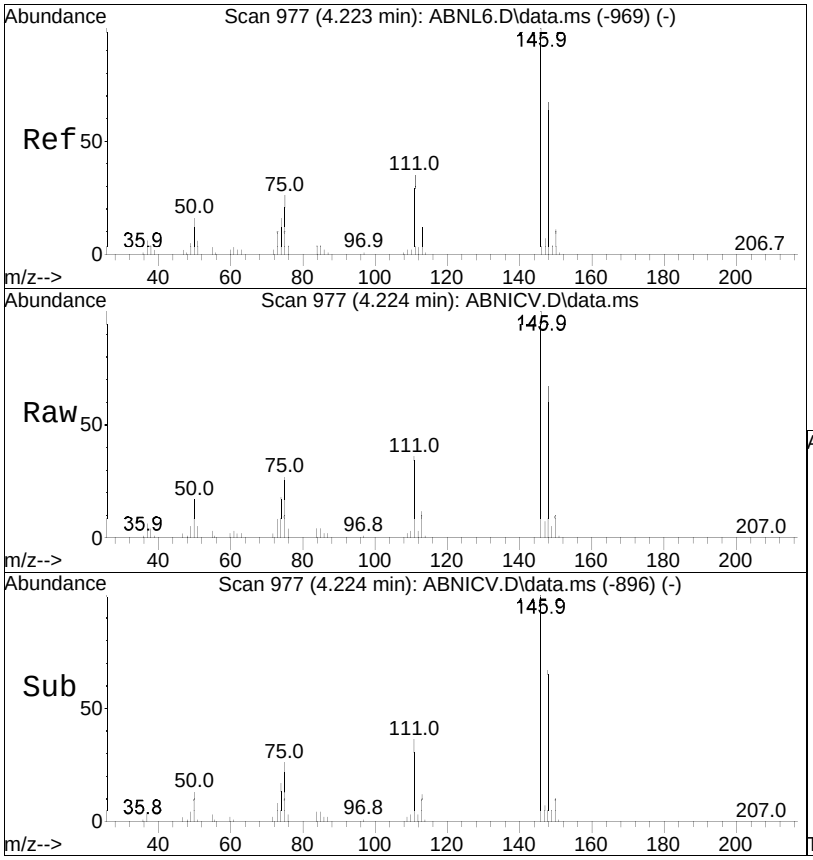


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 4.056 min Scan# 923
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 36003

Ion	Ratio	Lower	Upper
93	100		
63	91.9	74.6	111.8
95	32.5	25.9	38.9

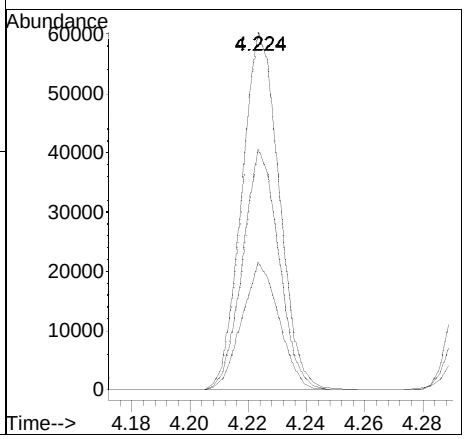


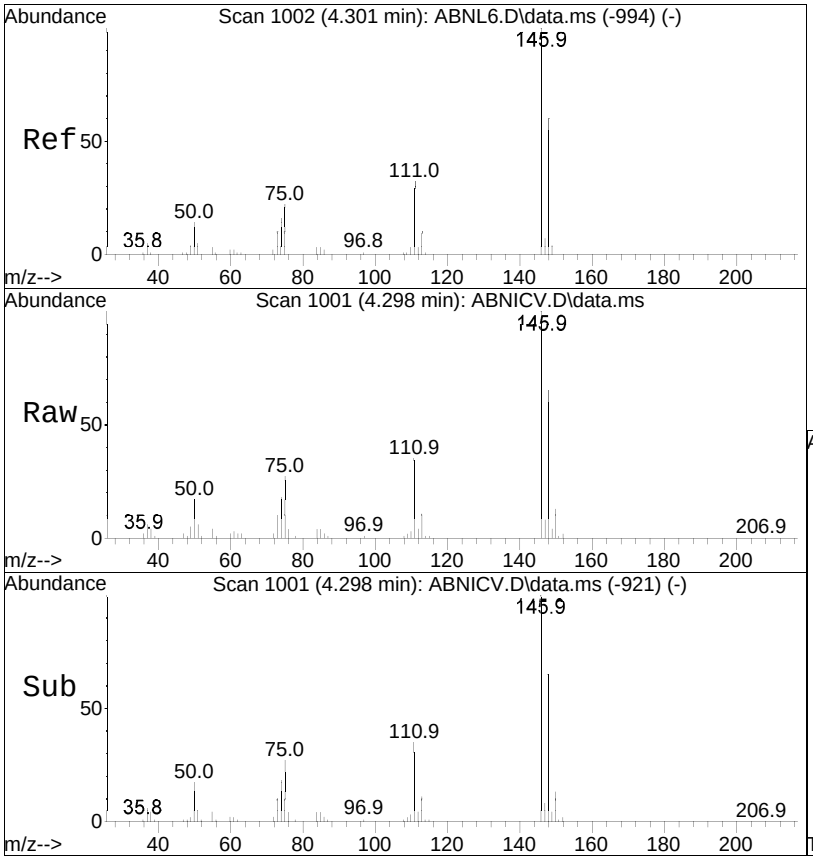


#10
1,3-Dichlorobenzene
Concen: 4.53 ug/ml
RT: 4.224 min Scan# 977
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 53479

Ion	Ratio	Lower	Upper
146	100		
111	35.5	34.3	51.5
148	65.0	50.8	76.2

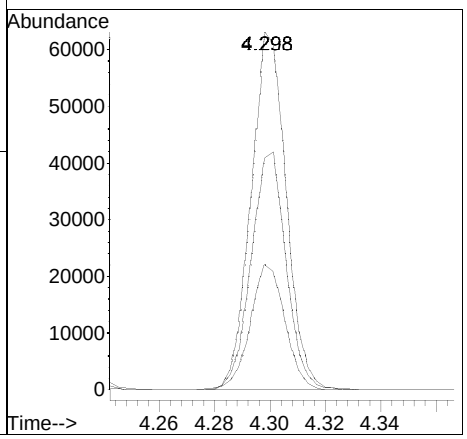


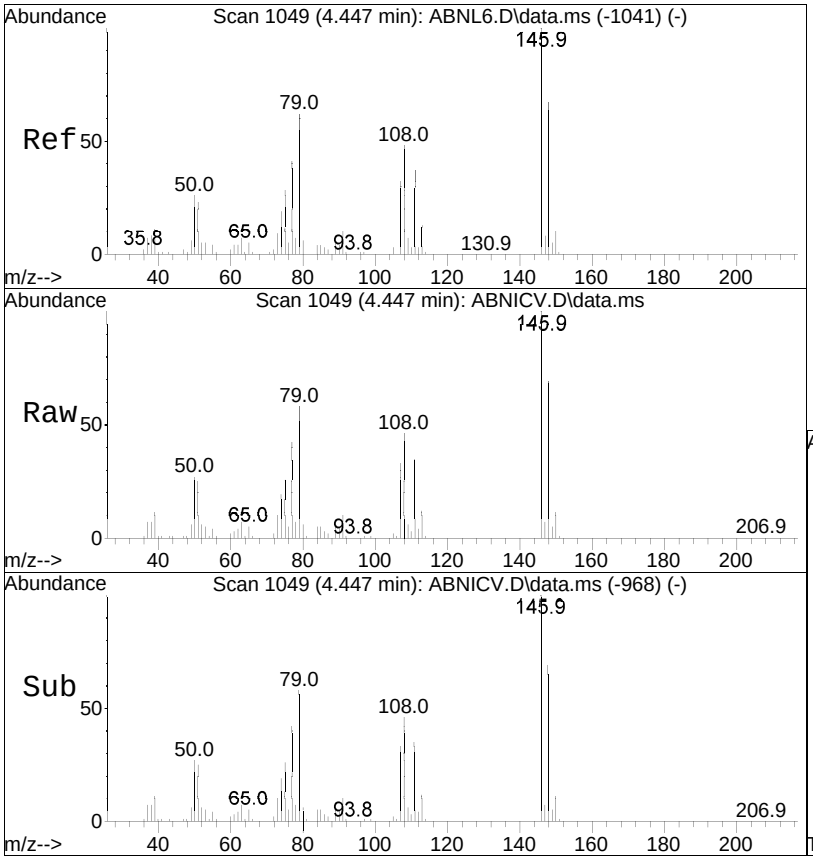


#11
1,4-Dichlorobenzene
Concen: 4.58 ug/ml
RT: 4.298 min Scan# 1001
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 55162

Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.7	76.1
111	34.8	33.4	50.0

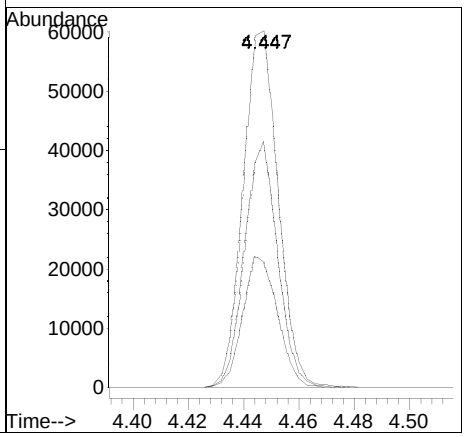


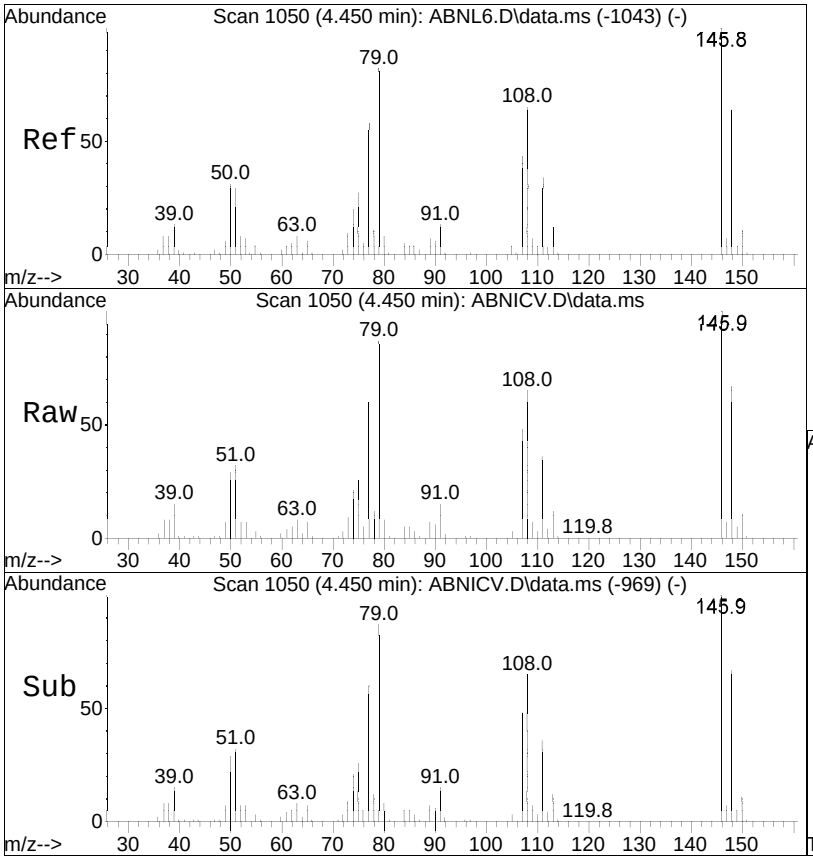


#12
1,2-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 4.447 min Scan# 1049
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:146 Resp: 52815

Ion	Ratio	Lower	Upper
146	100		
111	36.7	34.6	52.0
148	65.0	50.2	75.4

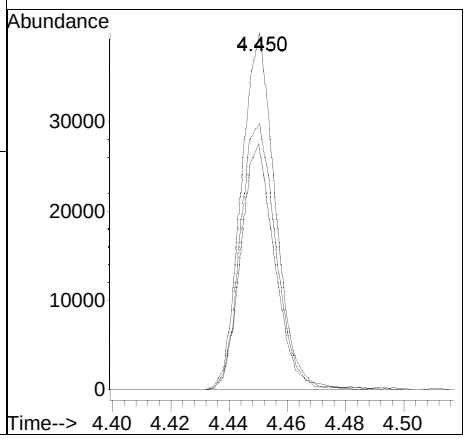


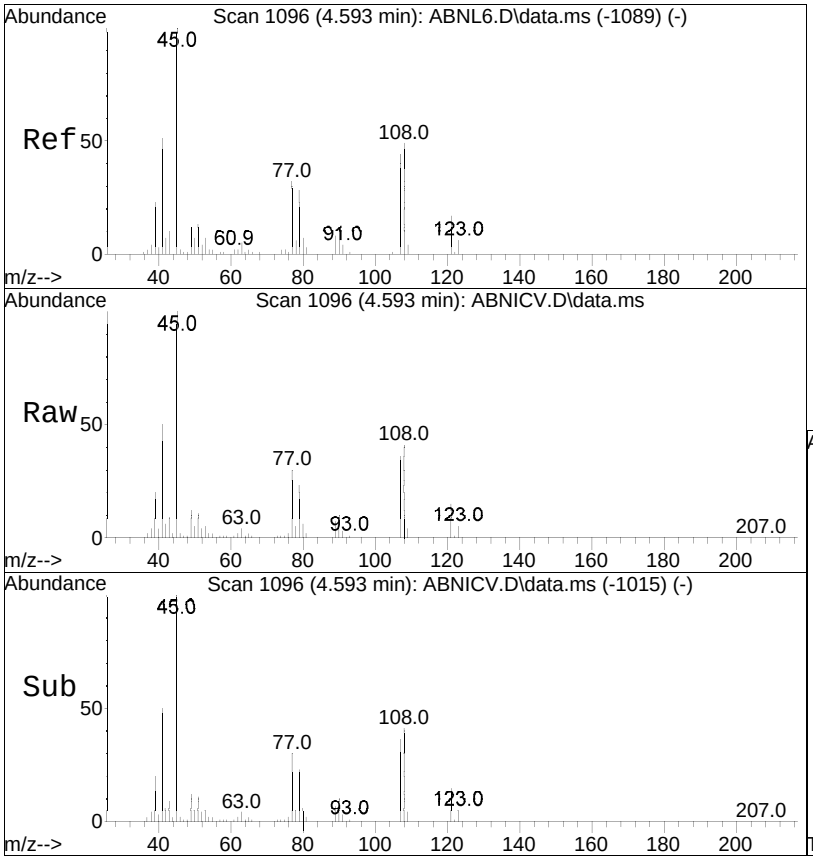


#13
Benzyl alcohol
Concen: 4.67 ug/ml
RT: 4.450 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 79 Resp: 32533

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	77.6	63.1	94.7

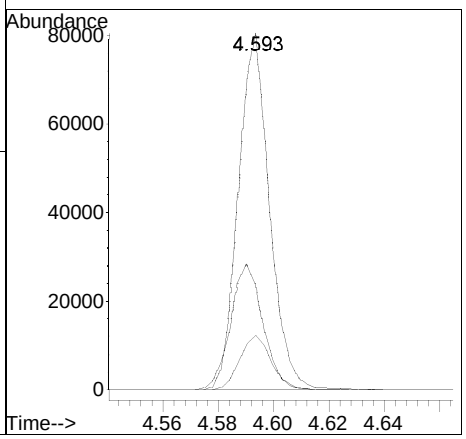


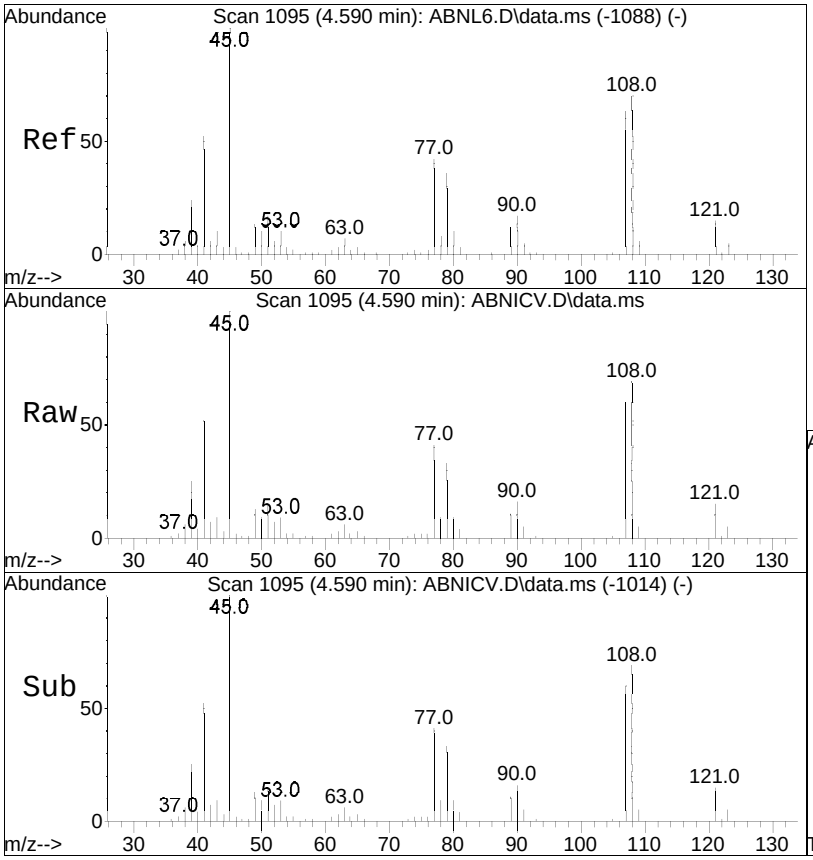


#14
Bis(2-chloroisopropyl)ether
Concen: 4.66 ug/ml
RT: 4.593 min Scan# 1096
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 45 Resp: 62522

Ion	Ratio	Lower	Upper
45	100		
121	15.5	9.8	14.6#
77	36.9	6.1	9.1#

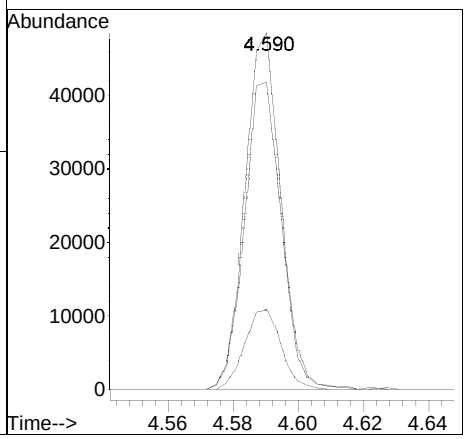


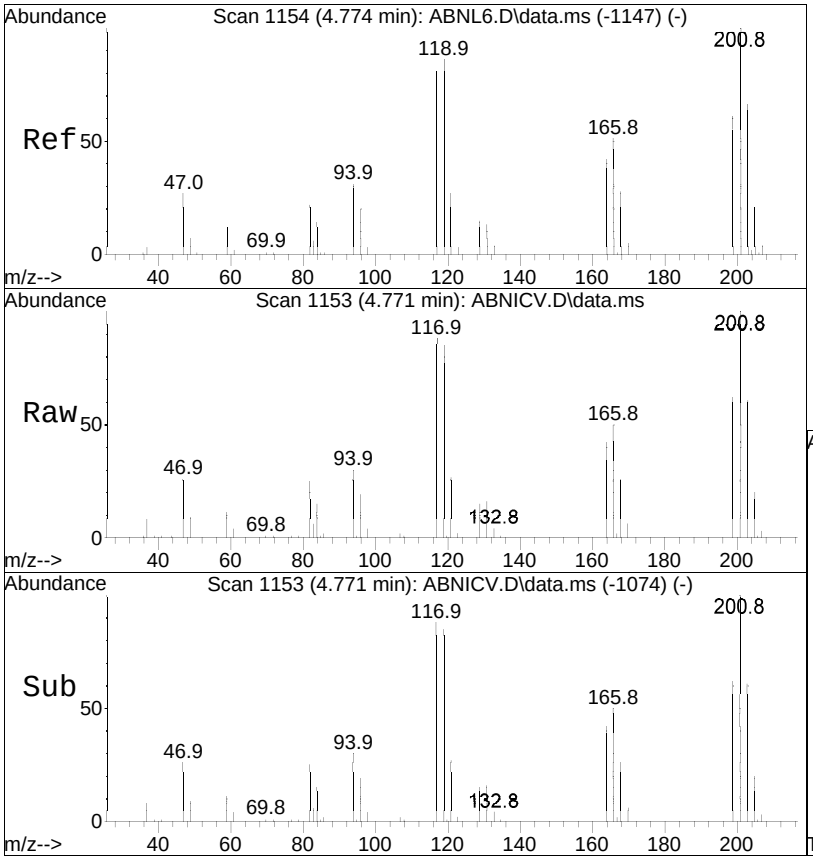


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 4.590 min Scan# 1095
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 37053

Ion	Ratio	Lower	Upper
108	100		
107	88.3	70.7	106.1
90	22.9	18.7	28.1

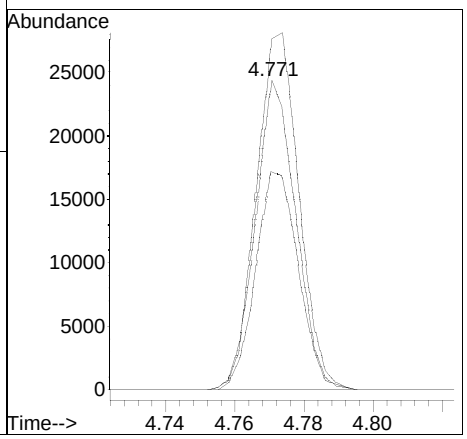


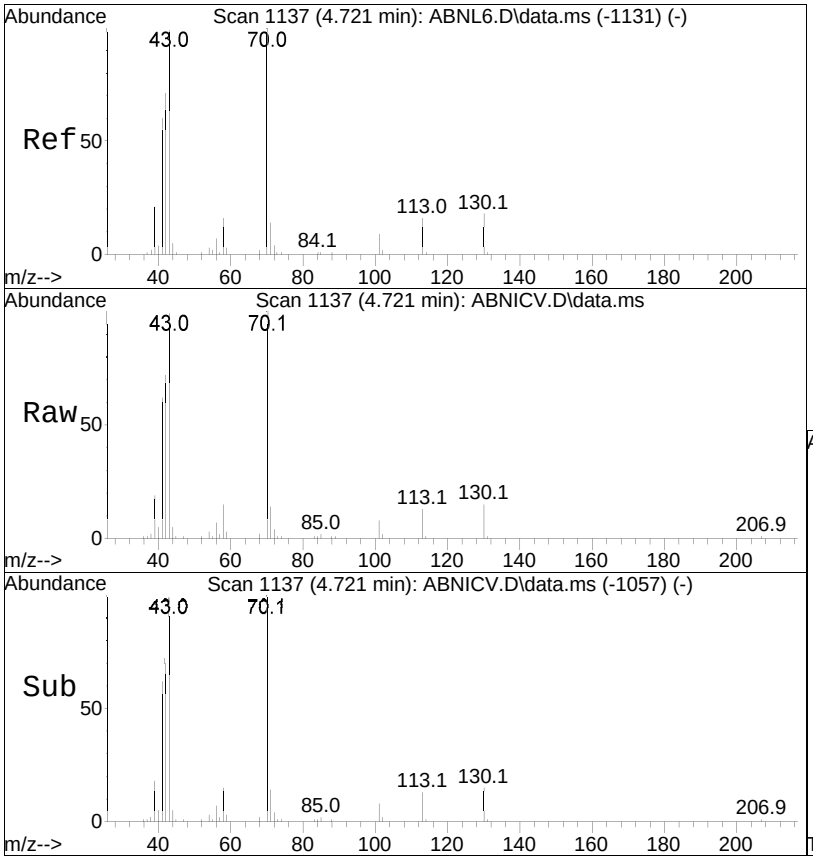


#16
Hexachloroethane
Concen: 4.49 ug/ml
RT: 4.771 min Scan# 1153
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:117 Resp: 19810

Ion	Ratio	Lower	Upper
117	100		
201	121.1	58.6	87.8#
199	74.6	36.9	55.3#

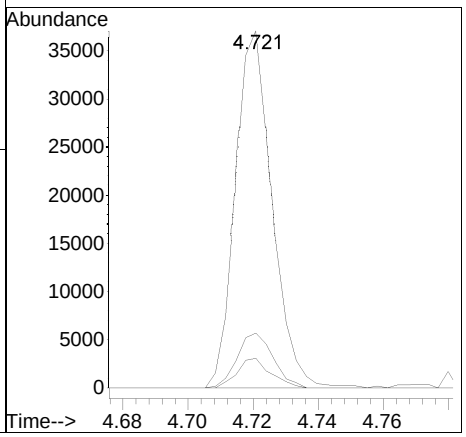


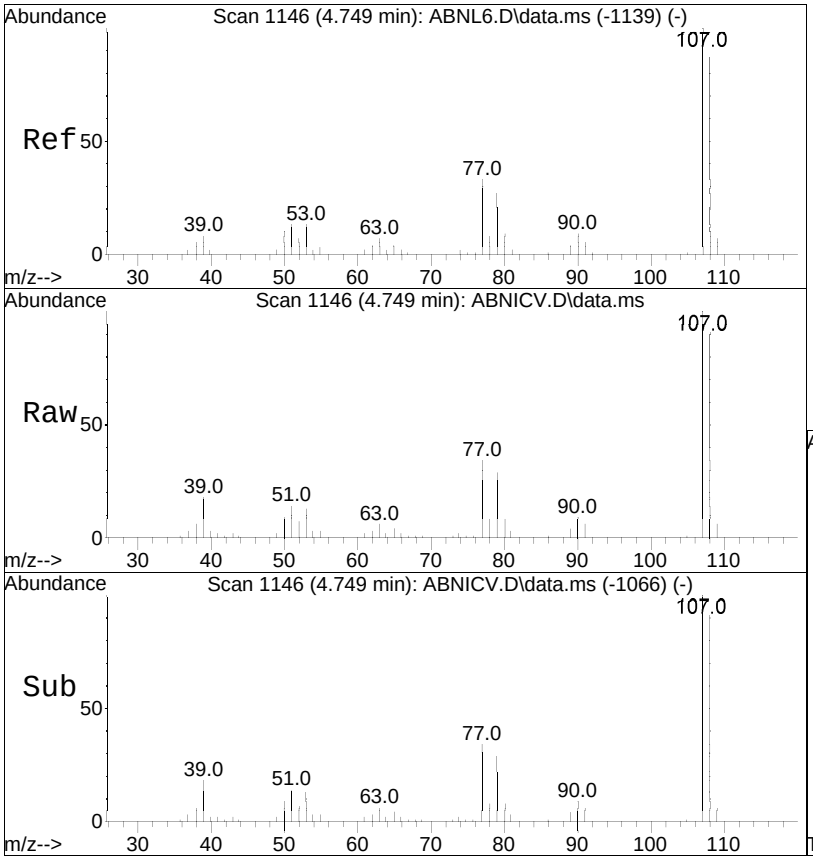


#17
n-Nitrosodi-n-propylamine
Concen: 4.48 ug/ml
RT: 4.721 min Scan# 1137
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 70 Resp: 28948

Ion	Ratio	Lower	Upper
70	100		
130	15.1	18.2	27.4#
101	7.5	7.8	11.8#

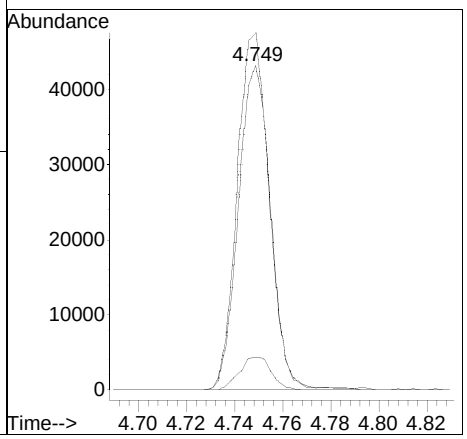


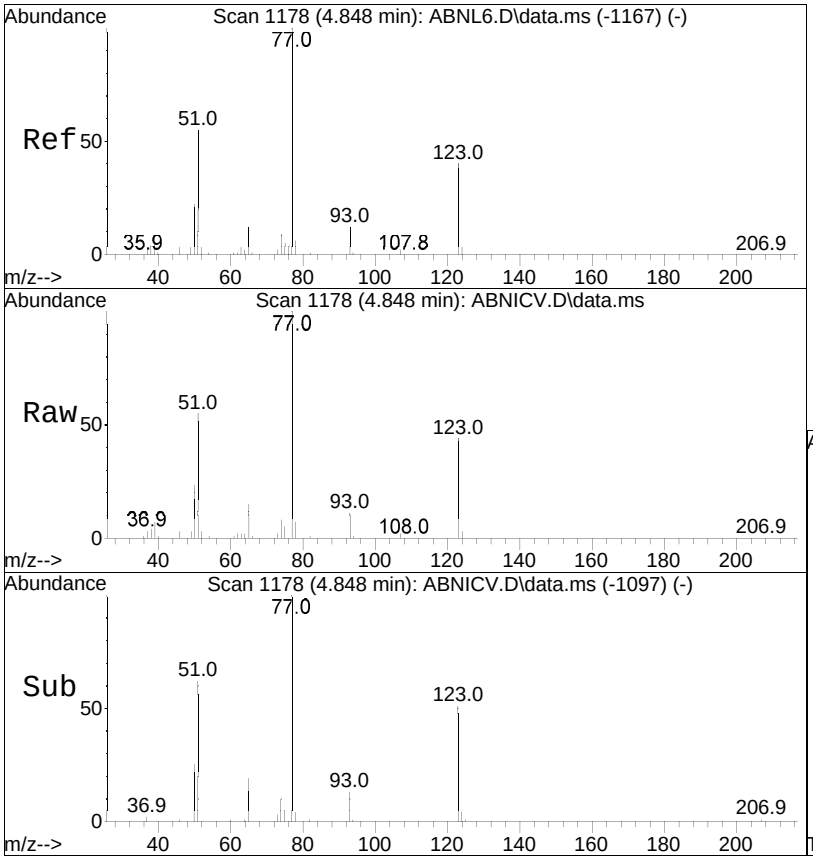


#18
3-Methylphenol/4-Methylphenol
Concen: 4.49 ug/ml
RT: 4.749 min Scan# 1146
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:108 Resp: 39726

Ion	Ratio	Lower	Upper
108	100		
107	110.8	88.6	132.8
90	10.1	8.8	13.2

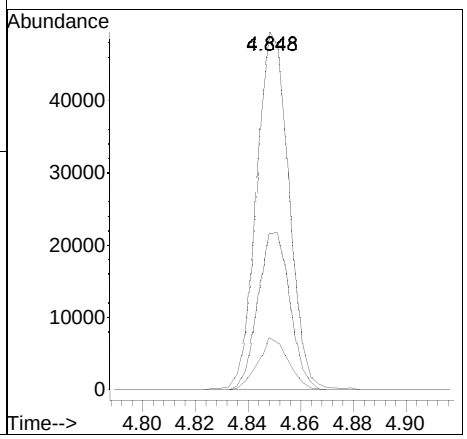


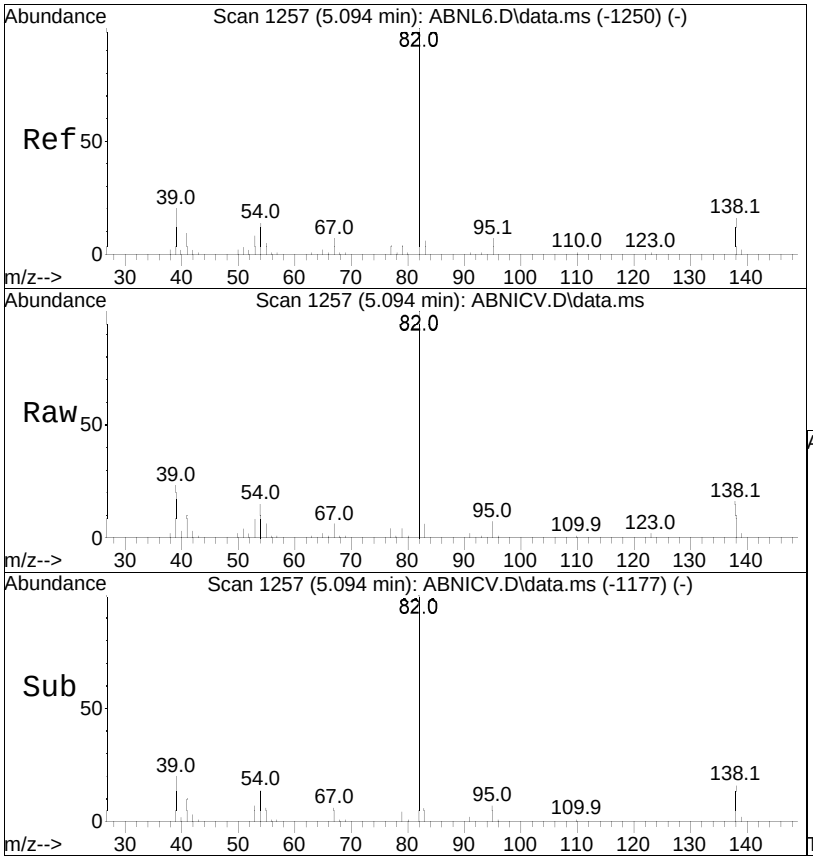


#20
Nitrobenzene
Concen: 4.59 ug/ml
RT: 4.848 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 42031

Ion	Ratio	Lower	Upper
77	100		
123	43.6	36.3	54.5
65	13.7	11.6	17.4

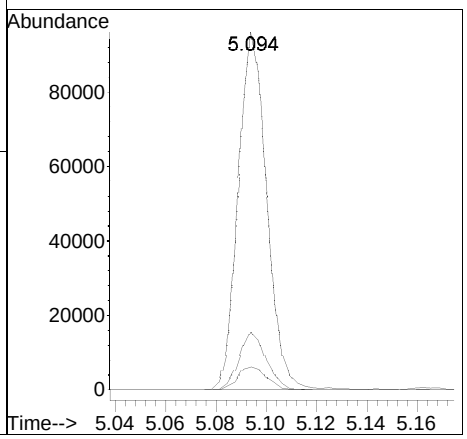


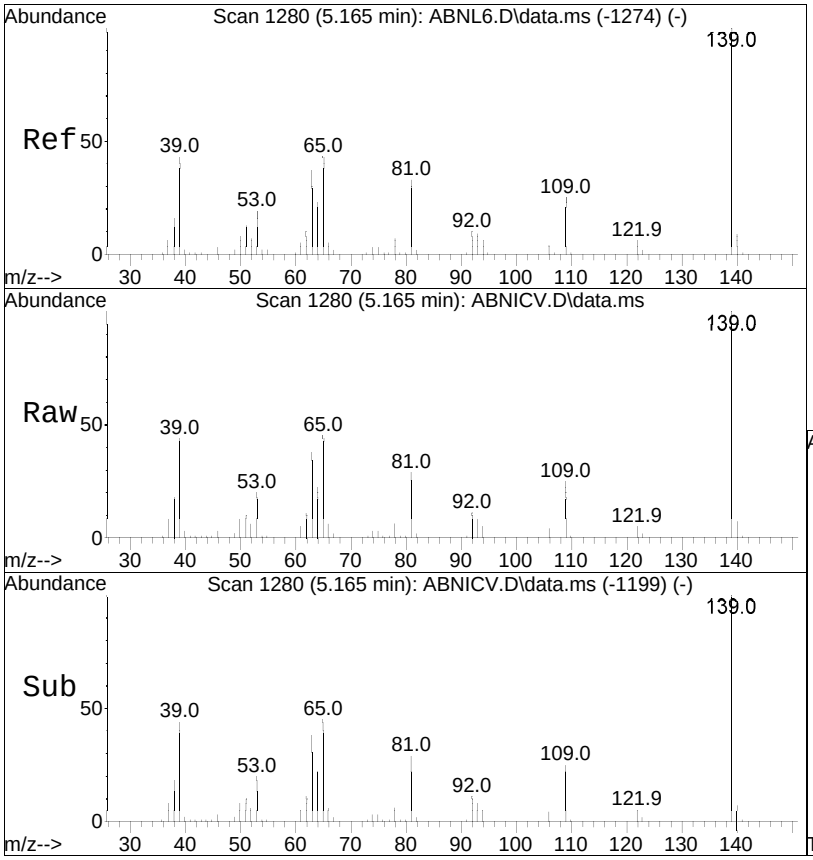


#21
Isophorone
Concen: 4.48 ug/ml
RT: 5.094 min Scan# 1257
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 82 Resp: 75307

Ion	Ratio	Lower	Upper
82	100		
138	15.4	14.7	22.1
95	6.7	5.2	7.8

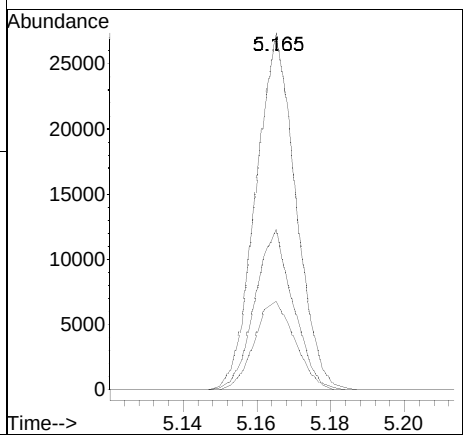


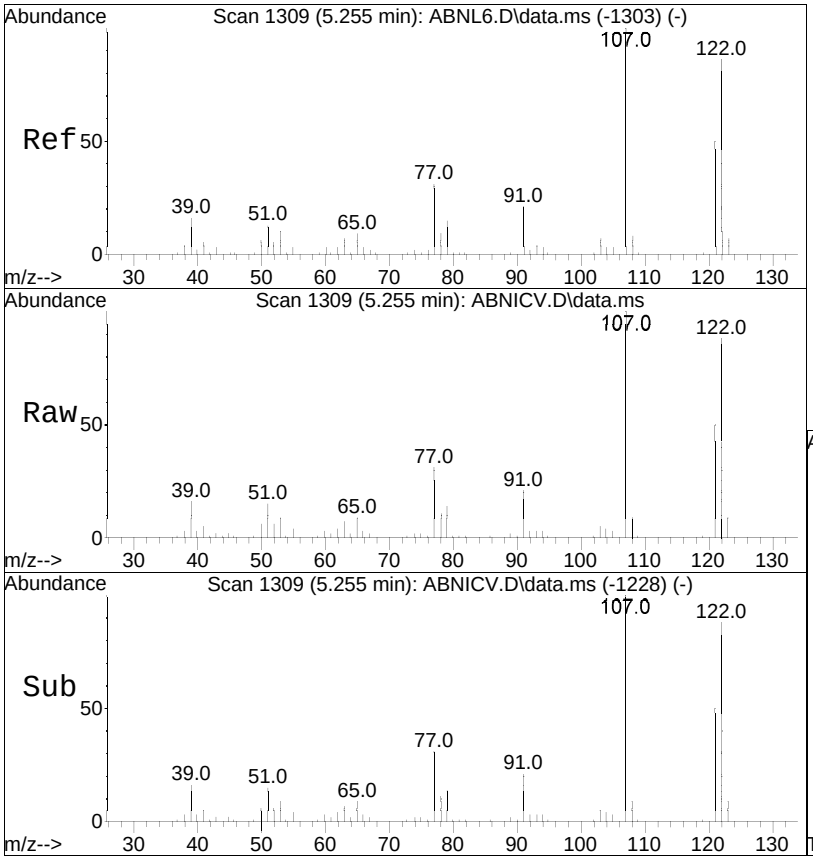


#22
2-Nitrophenol
Concen: 4.42 ug/ml
RT: 5.165 min Scan# 1280
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:139 Resp: 20467

Ion	Ratio	Lower	Upper
139	100		
109	25.3	19.4	29.0
65	43.3	46.1	69.1#

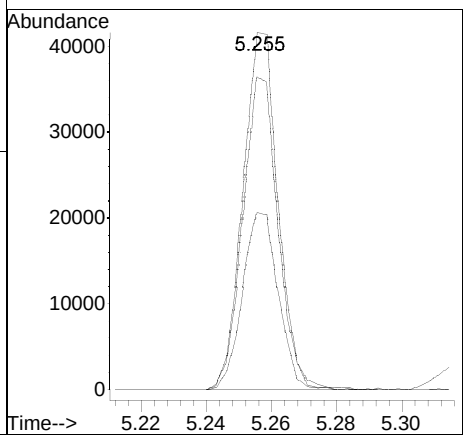


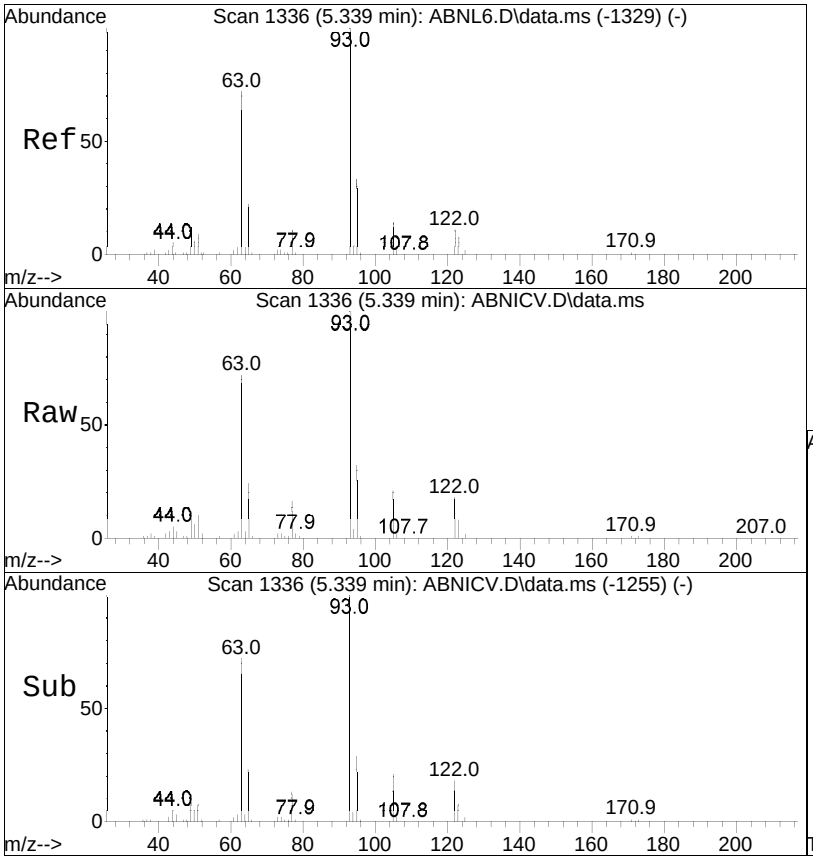


#23
2,4-Dimethylphenol
Concen: 3.79 ug/ml
RT: 5.255 min Scan# 1309
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 31220

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.0	70.2	105.4

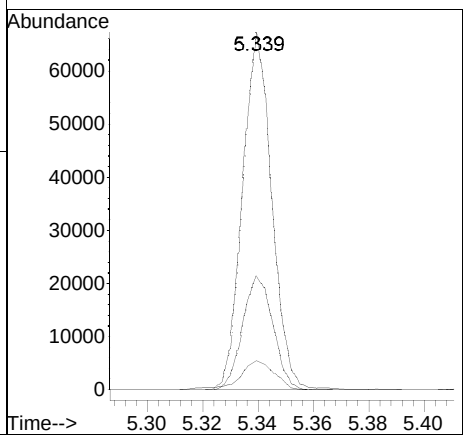


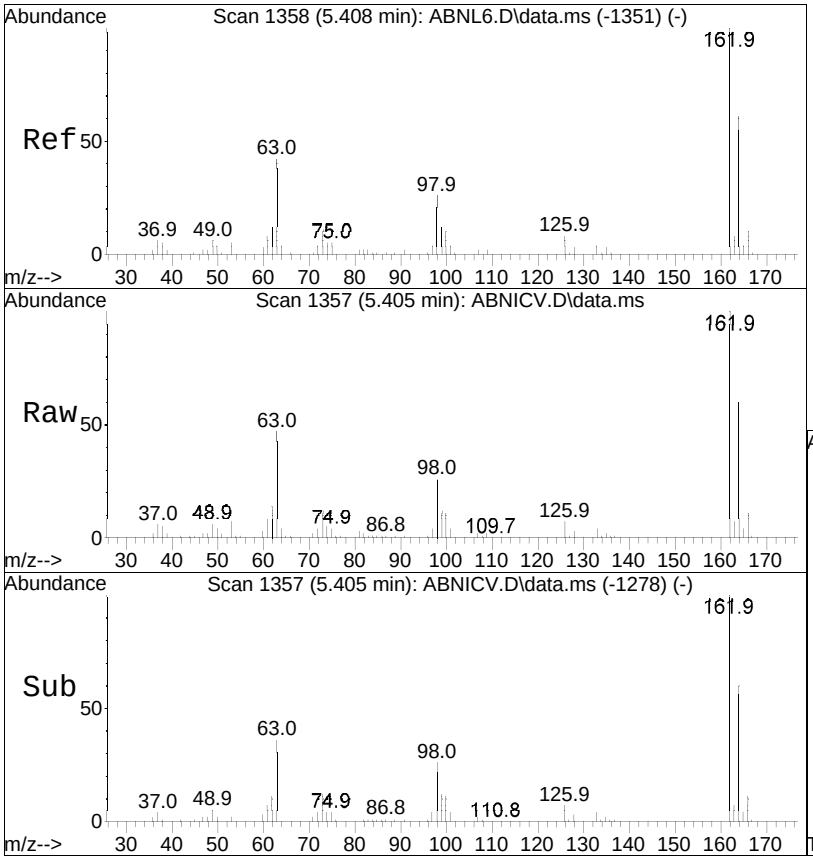


#24
Bis(2-chloroethoxy)methane
Concen: 4.69 ug/ml
RT: 5.339 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 93 Resp: 49166

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	9.9	10.1	15.1#

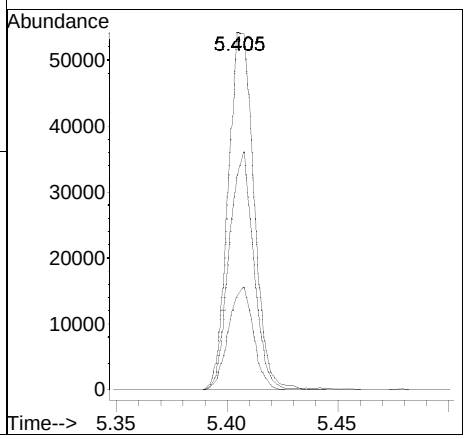


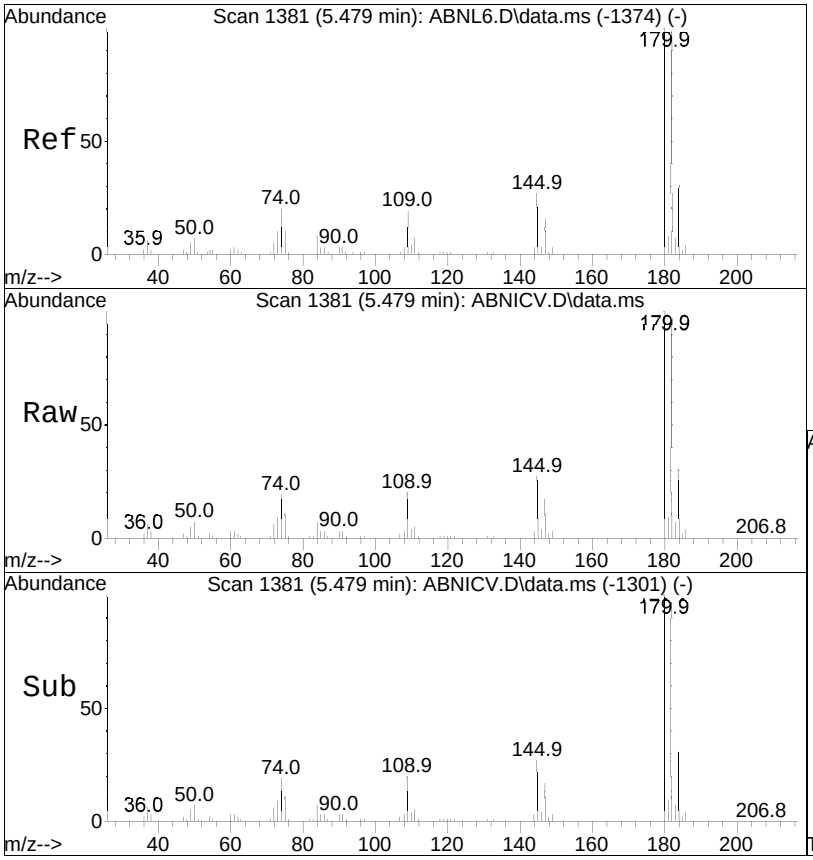


#25
2,4-Dichlorophenol
Concen: 4.55 ug/ml
RT: 5.405 min Scan# 1357
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 43788

Ion	Ratio	Lower	Upper
162	100		
164	63.2	51.0	76.4
98	27.9	32.2	48.2#

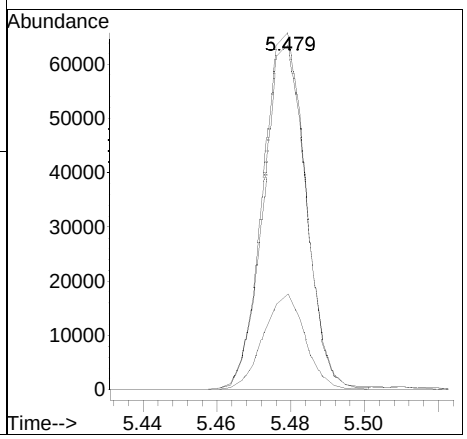


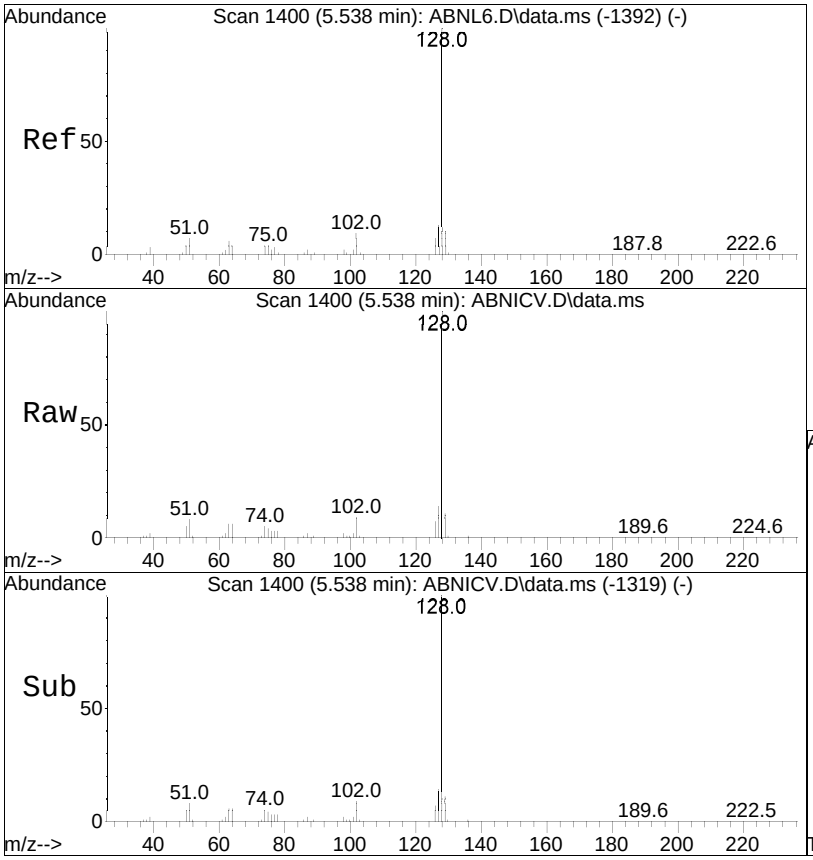


#26
1,2,4-Trichlorobenzene
Concen: 4.56 ug/ml
RT: 5.479 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:180 Resp: 53081

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	26.1	25.7	38.5

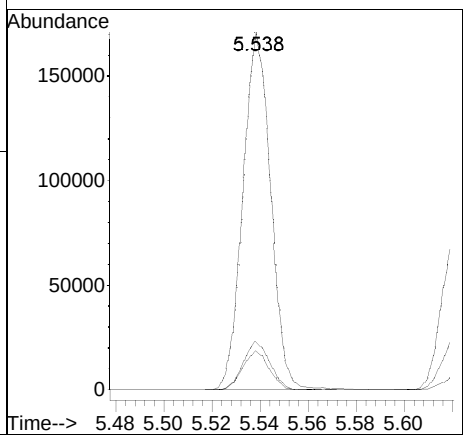


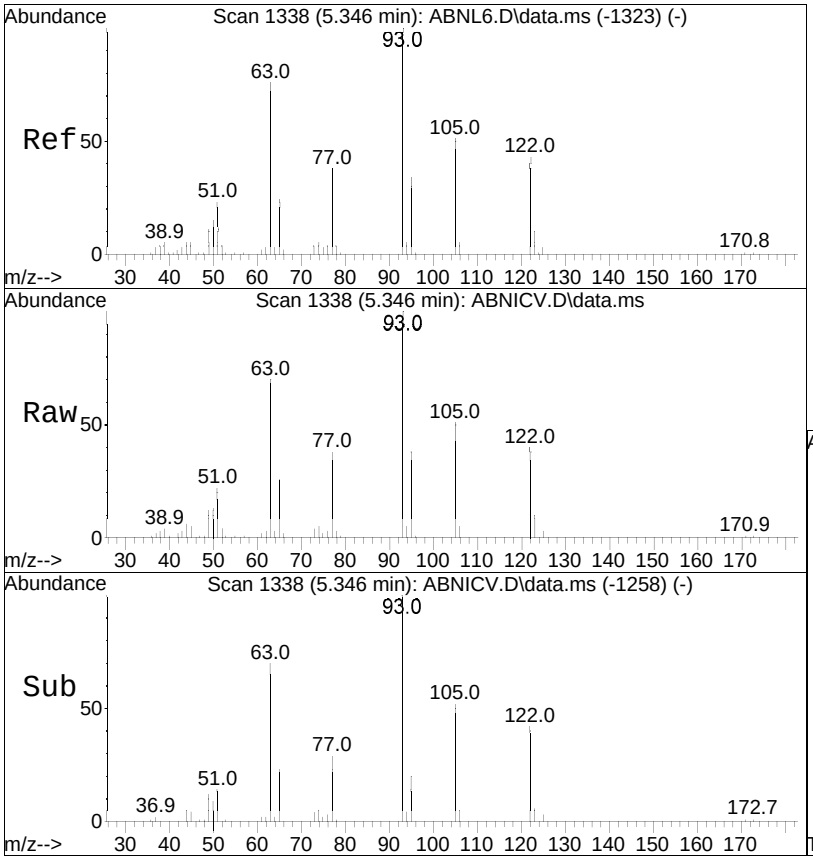


#38
Naphthalene
Concen: 4.45 ug/ml
RT: 5.538 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:128 Resp: 136778

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.3	15.5

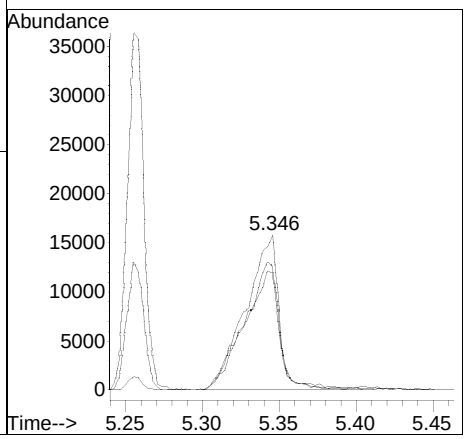


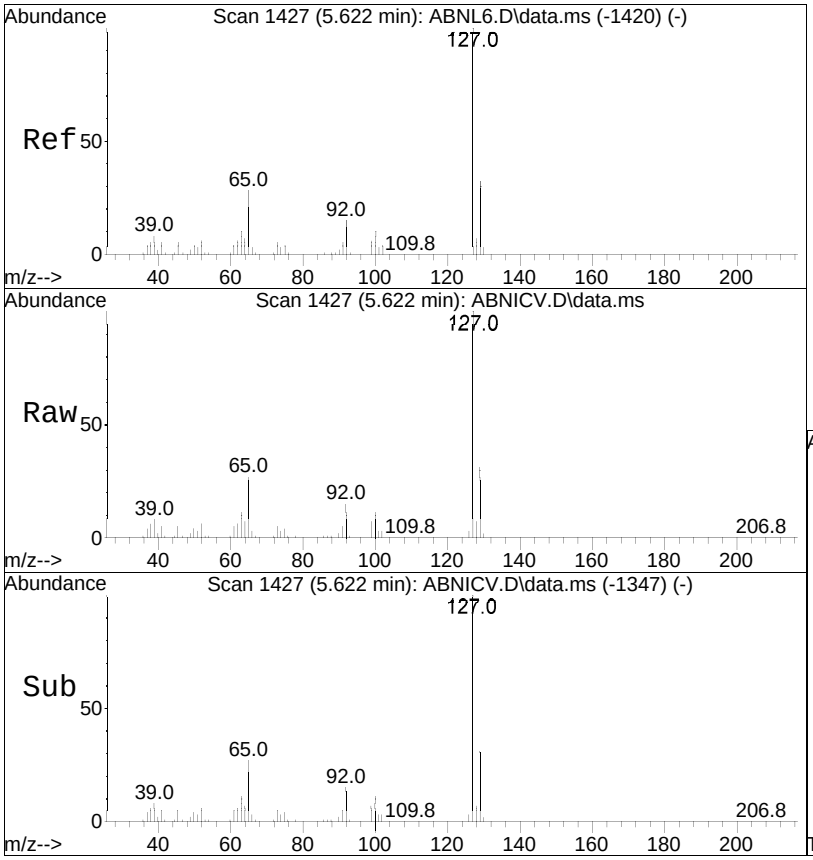


#39
Benzoic Acid
Concen: 3.83 ug/ml
RT: 5.346 min Scan# 1338
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:105 Resp: 24373

Ion	Ratio	Lower	Upper
105	100		
122	85.1	59.9	89.9
77	78.7	60.1	90.1

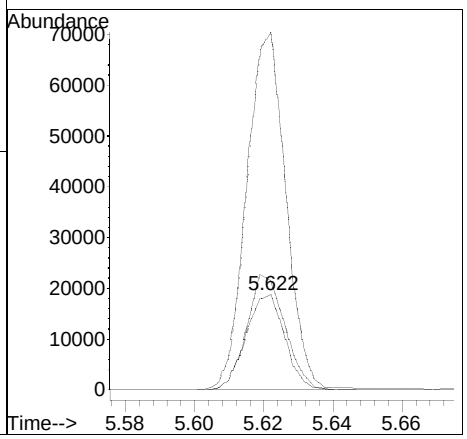


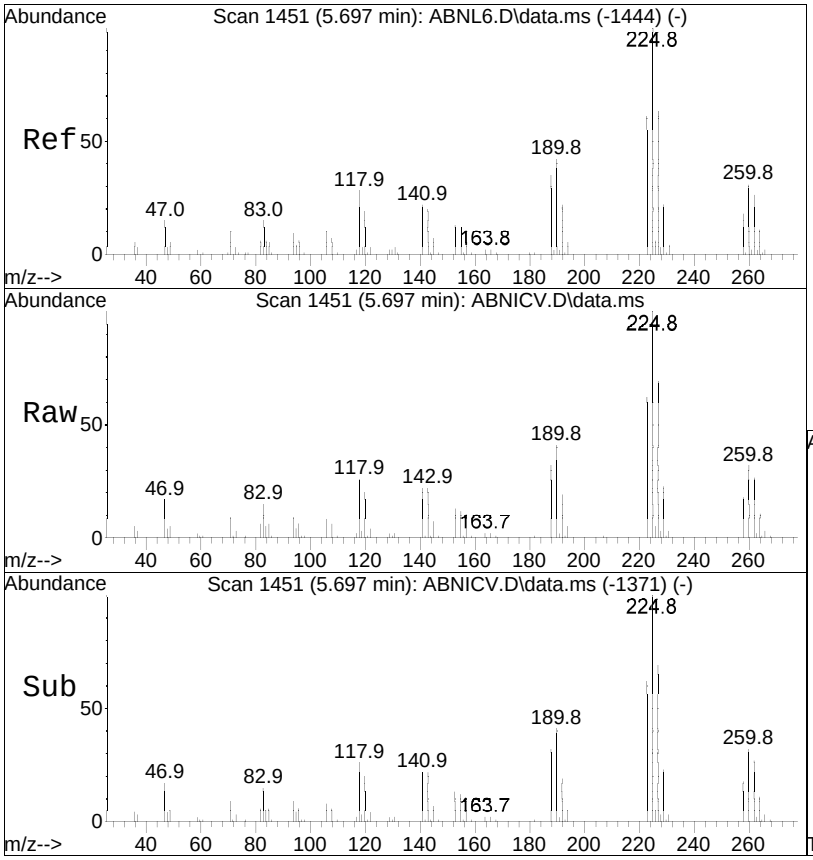


#40
4-Chloroaniline
Concen: 4.31 ug/ml
RT: 5.622 min Scan# 1427
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 14569

Ion	Ratio	Lower	Upper
65	100		
127	377.7	237.6	356.4#
129	118.8	76.3	114.5#

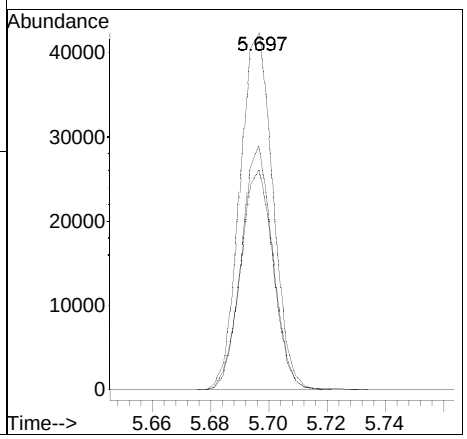


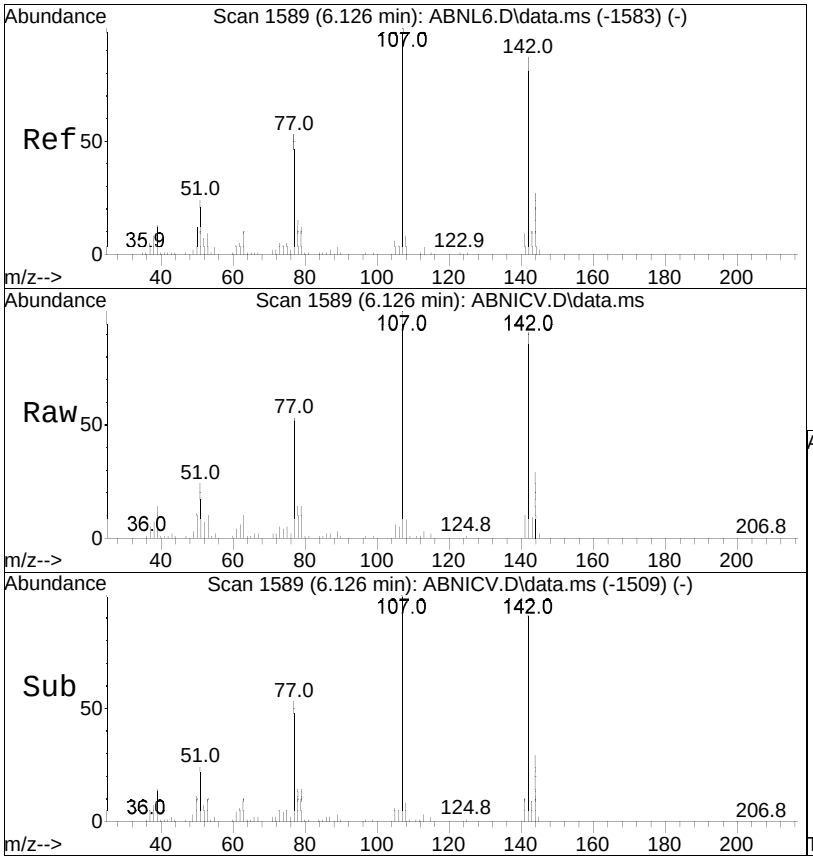


#41
Hexachlorobutadiene
Concen: 4.65 ug/ml
RT: 5.697 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:225 Resp: 33536

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.3	75.5
227	65.3	52.2	78.2

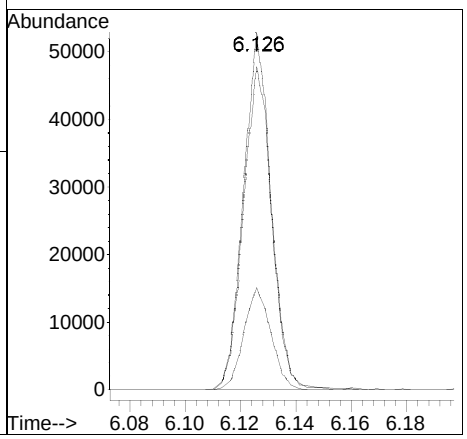


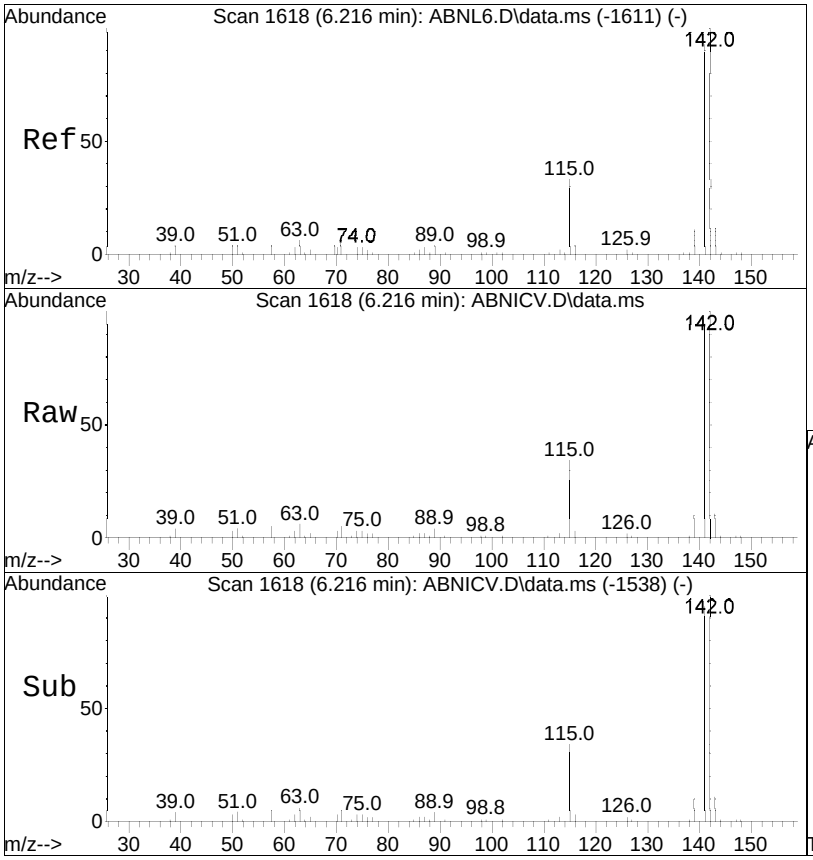


#42
p-Chloro-m-cresol
Concen: 4.51 ug/ml
RT: 6.126 min Scan# 1589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:107 Resp: 36518

Ion	Ratio	Lower	Upper
107	100		
144	28.1	20.9	31.3
142	92.2	66.1	99.1

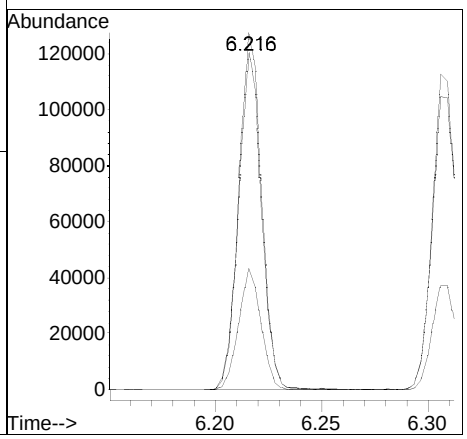


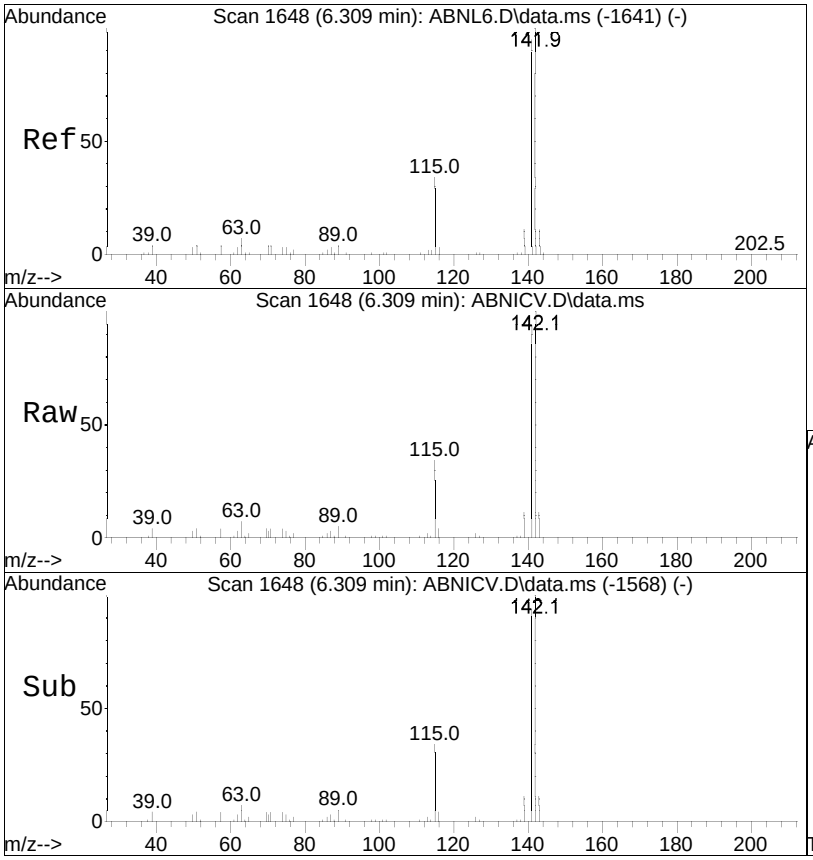


#43
2-Methylnaphthalene
Concen: 4.53 ug/ml
RT: 6.216 min Scan# 1618
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:142 Resp: 96343

Ion	Ratio	Lower	Upper
142	100		
141	93.0	69.6	104.4
115	33.1	26.6	40.0

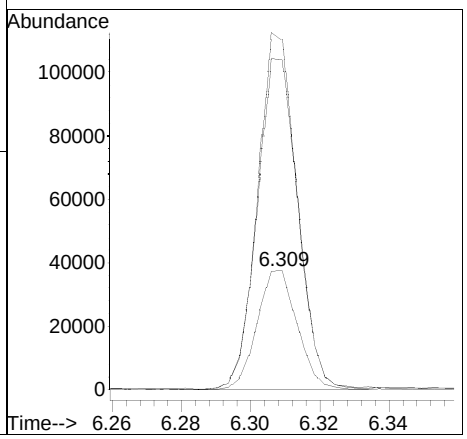


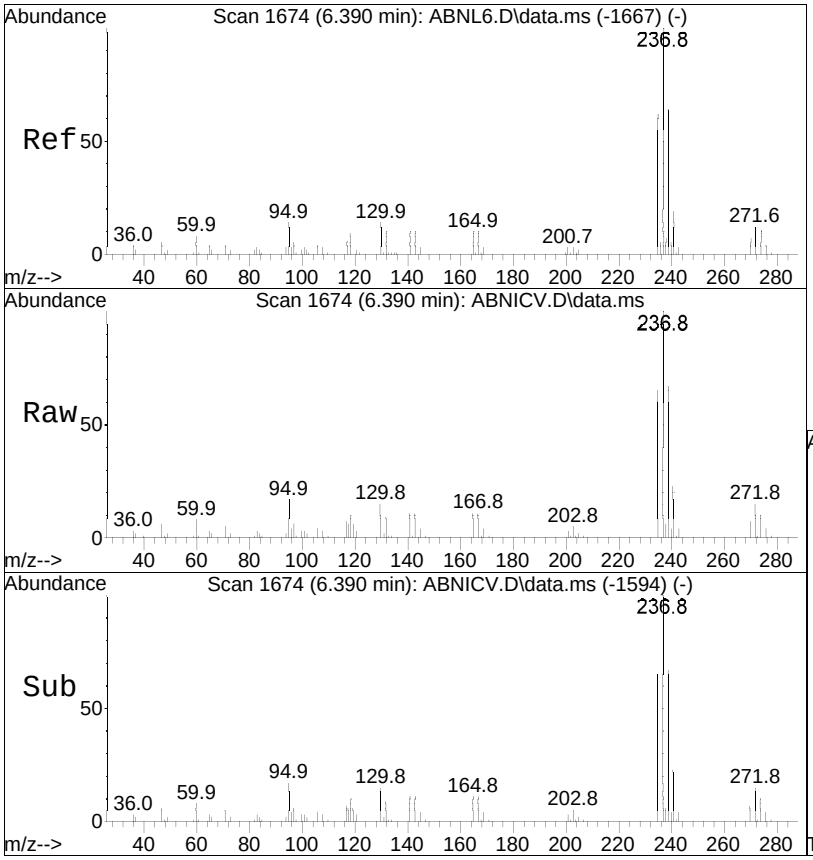


#44
1-Methylnaphthalene
Concen: 4.52 ug/ml
RT: 6.309 min Scan# 1648
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:115 Resp: 30554

Ion	Ratio	Lower	Upper
115	100		
141	278.0	207.8	311.6
142	291.9	226.8	340.2

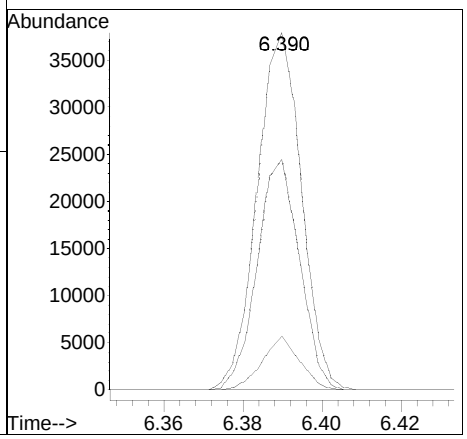


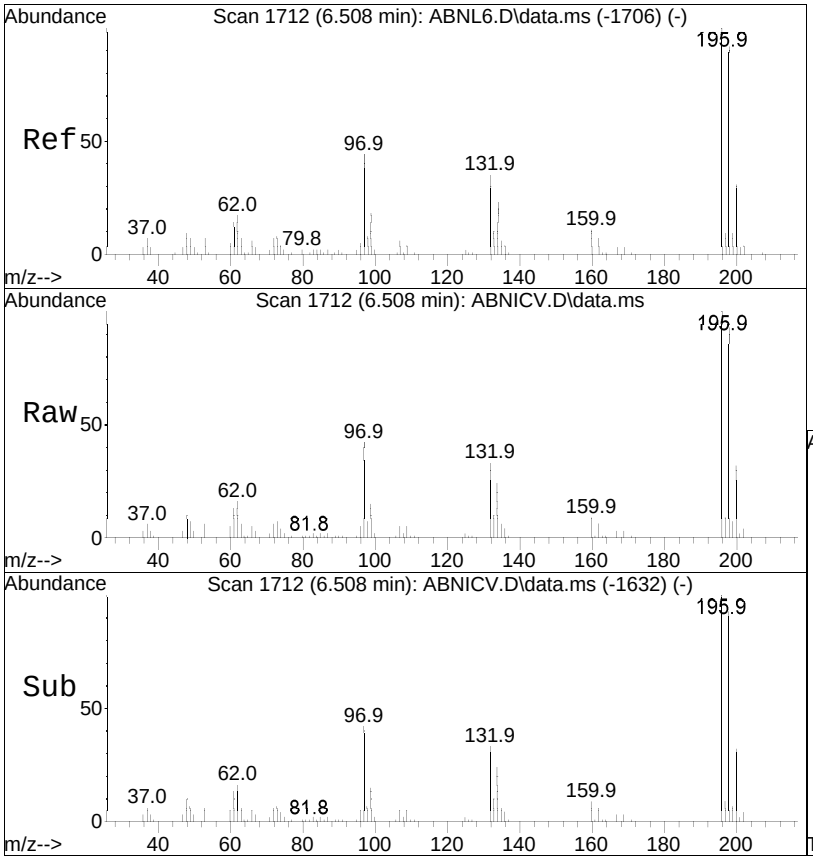


#45
Hexachlorocyclopentadiene
Concen: 3.87 ug/ml
RT: 6.390 min Scan# 1674
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:237 Resp: 29425

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	12.8	9.8	14.6

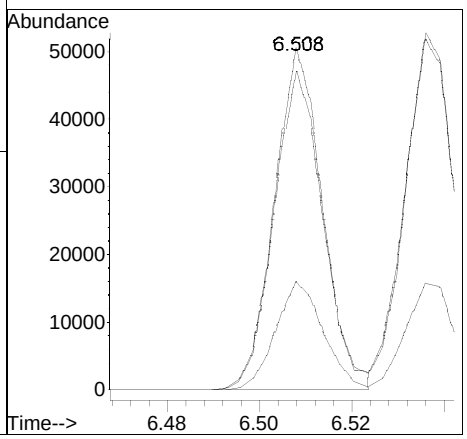


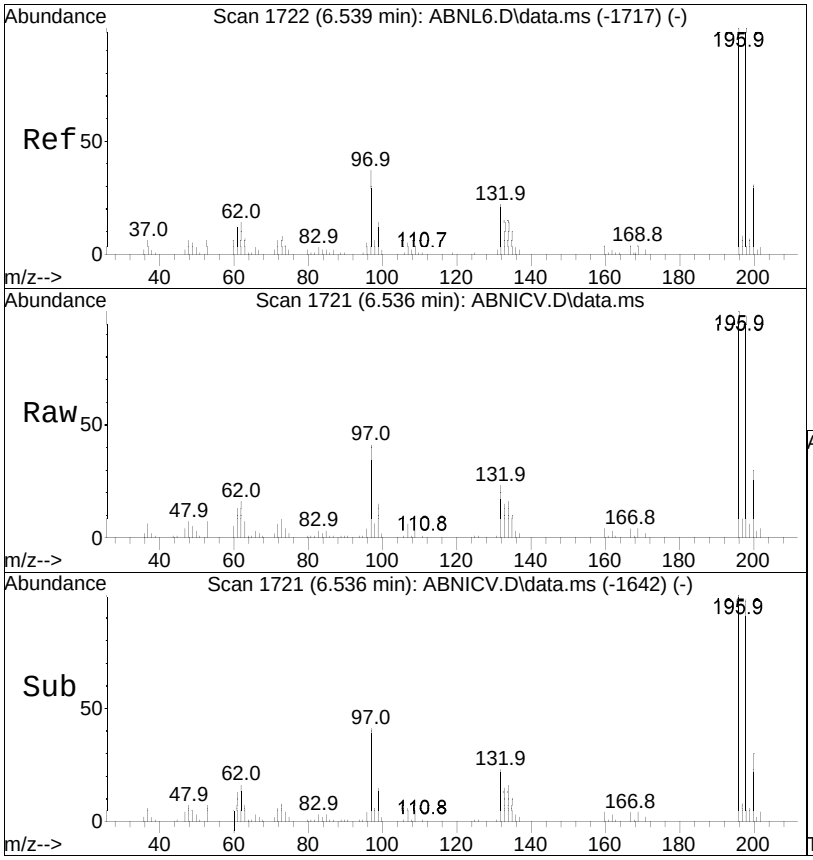


#46
2,4,6-Trichlorophenol
Concen: 4.58 ug/ml
RT: 6.508 min Scan# 1712
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 36634

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.5	116.3
200	31.6	23.8	35.6

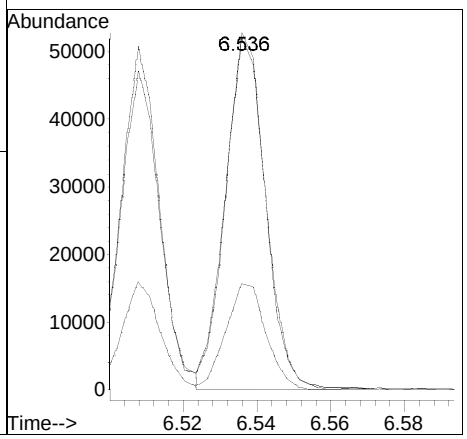


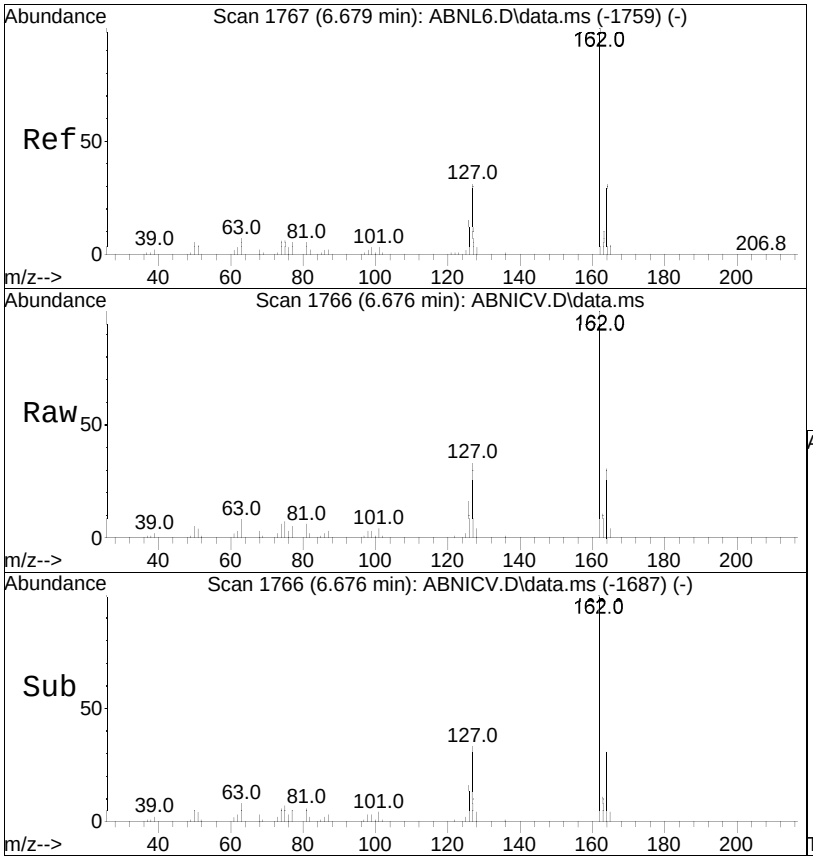


#47
2,4,5-Trichlorophenol
Concen: 4.43 ug/ml
RT: 6.536 min Scan# 1721
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:196 Resp: 39640

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	98.2	78.0	117.0

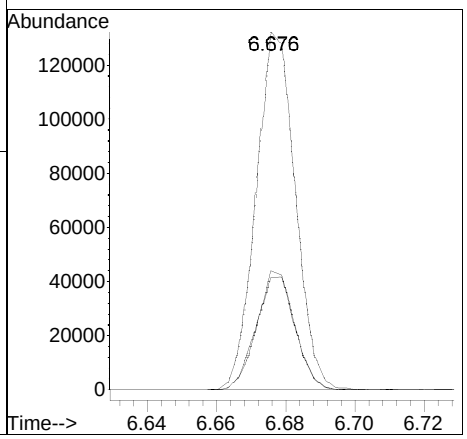


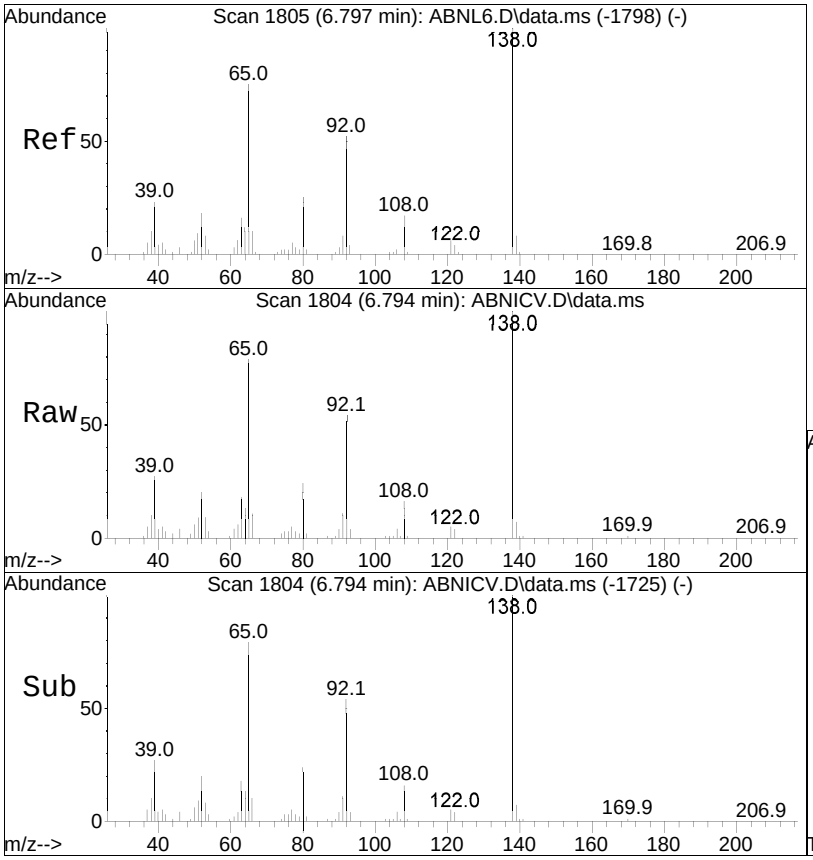


#49
2-Chloronaphthalene
Concen: 4.33 ug/ml
RT: 6.676 min Scan# 1766
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:162 Resp: 103138

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	31.6	25.7	38.5

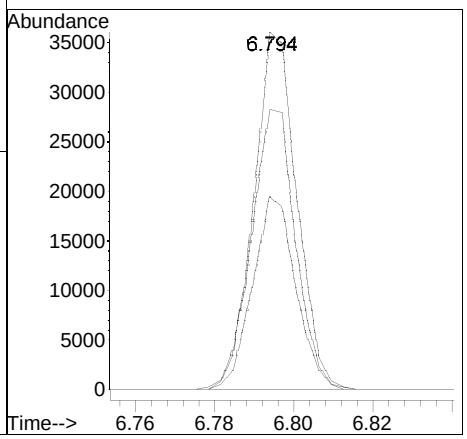


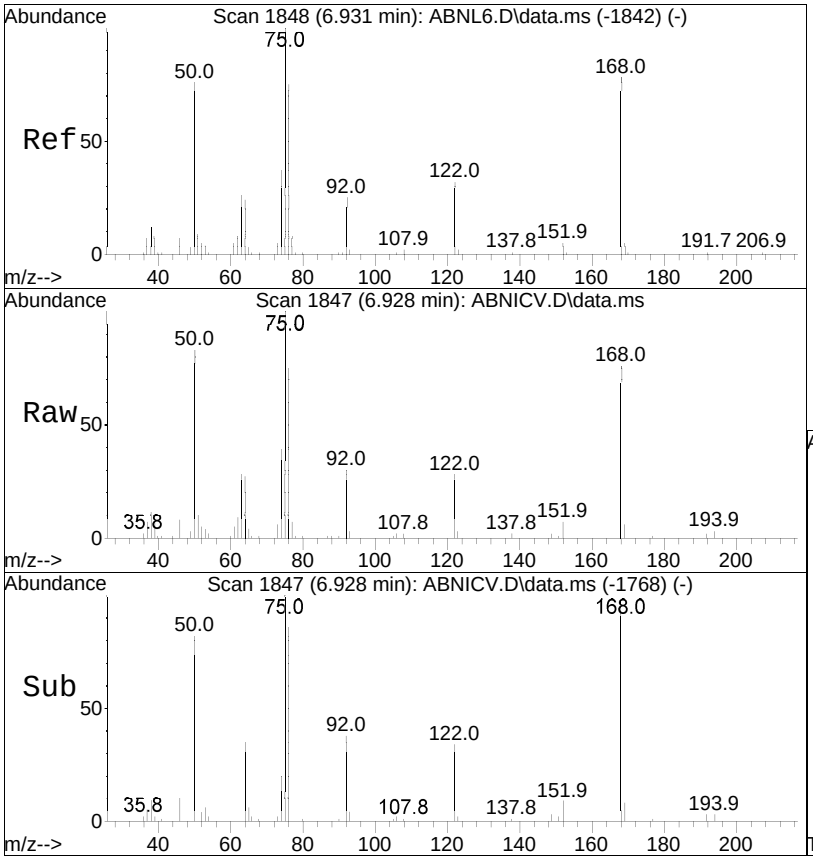


#50
2-Nitroaniline
Concen: 4.45 ug/ml
RT: 6.794 min Scan# 1804
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 27096

Ion	Ratio	Lower	Upper
138	100		
92	54.3	53.5	80.3
65	80.7	86.3	129.5#

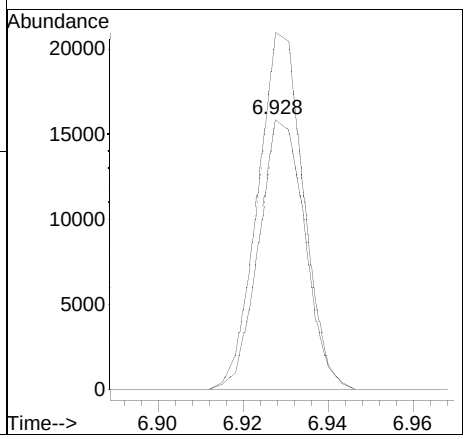


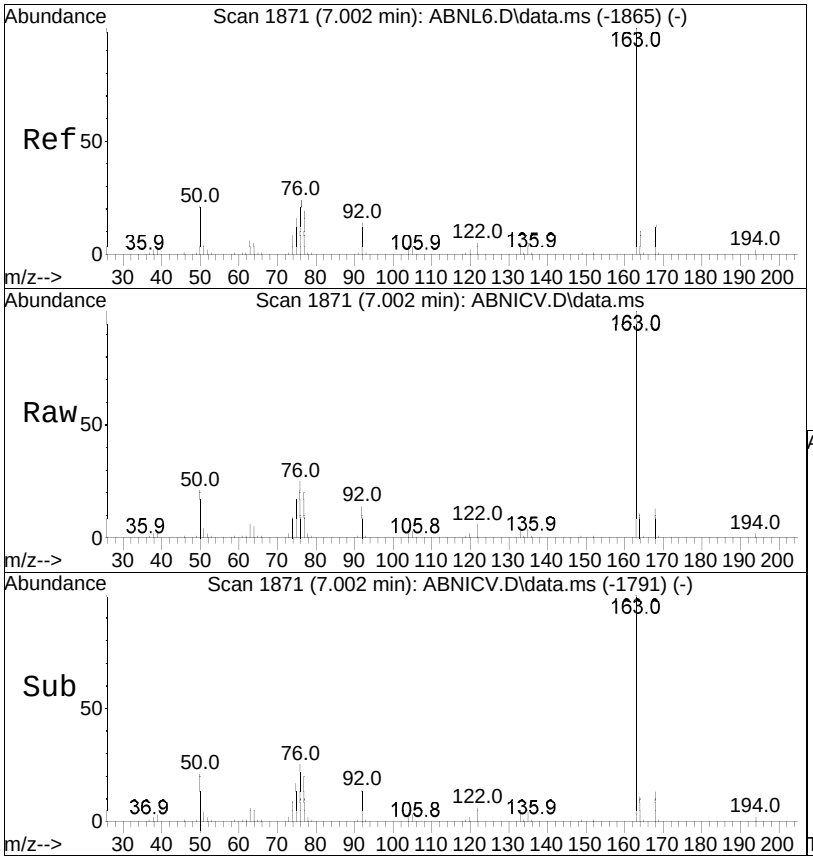


#51
1,4-Dinitrobenzene
Concen: 4.50 ug/ml
RT: 6.928 min Scan# 1847
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 11911

Ion	Ratio	Lower	Upper
168	100		
75	131.0	121.8	182.8

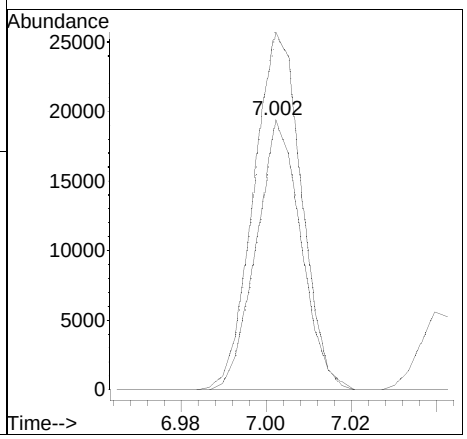


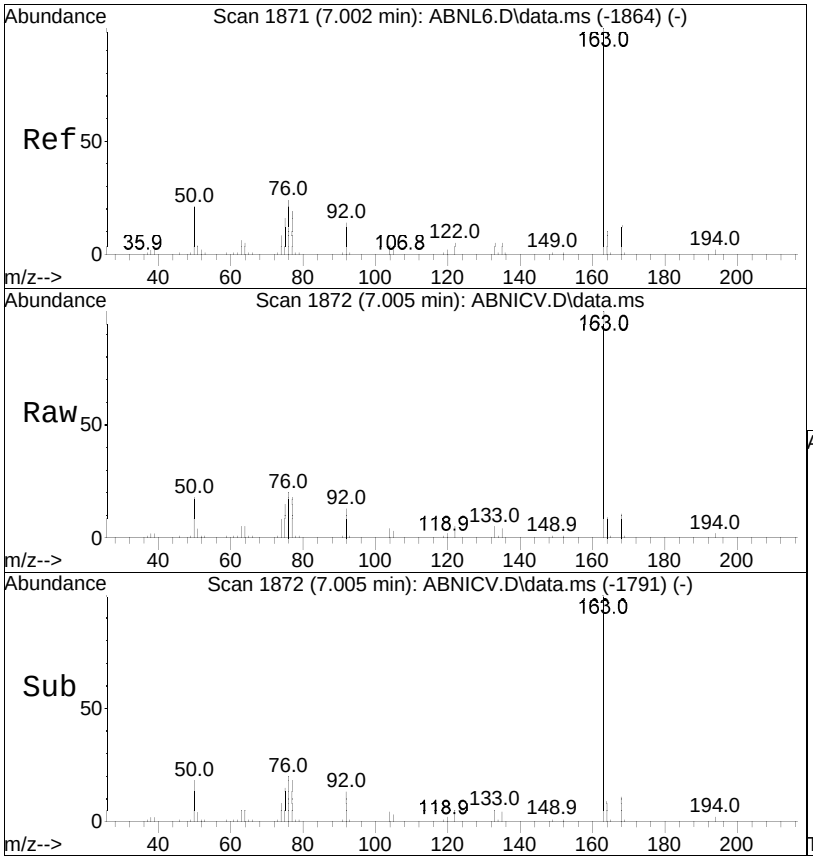


#52
1,3-Dinitrobenzene
Concen: 4.43 ug/ml
RT: 7.002 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 14057

Ion	Ratio	Lower	Upper
168	100		
75	141.5	22.7	34.1#

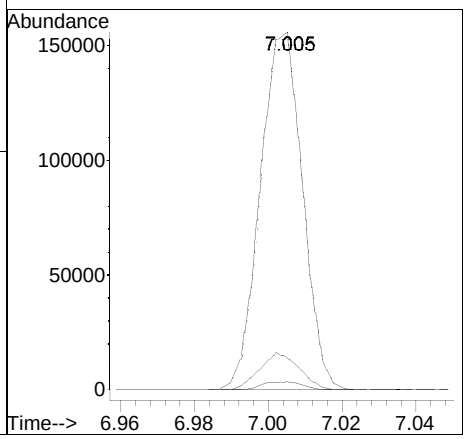


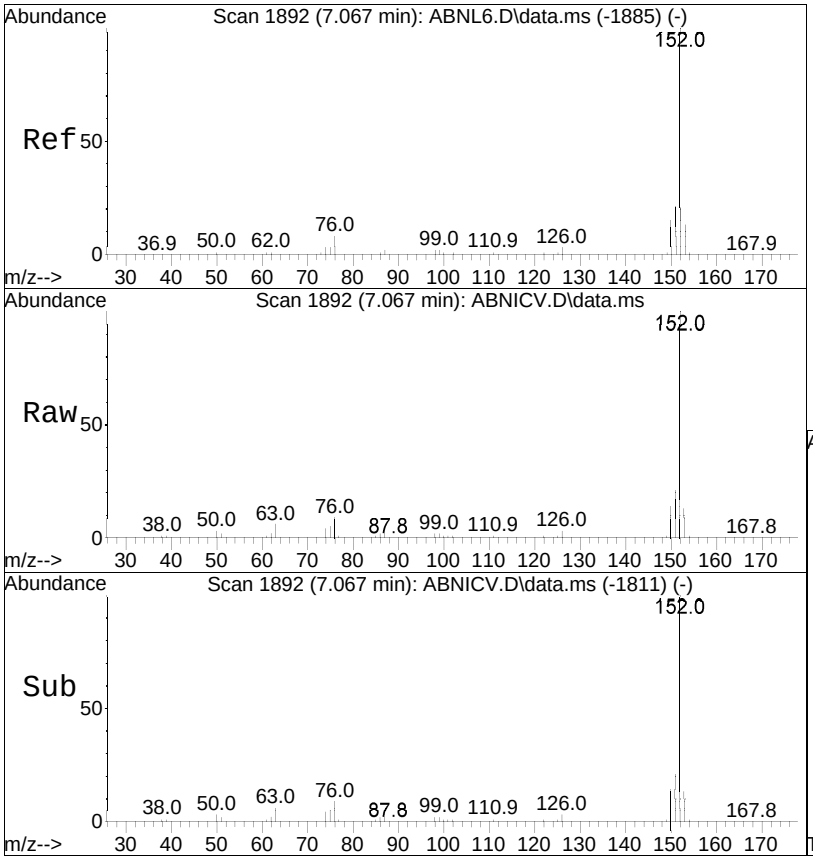


#53
Dimethyl phthalate
Concen: 4.44 ug/ml
RT: 7.005 min Scan# 1872
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:163 Resp: 122829

Ion	Ratio	Lower	Upper
163	100		
194	2.3	3.5	5.3#
164	9.9	7.9	11.9

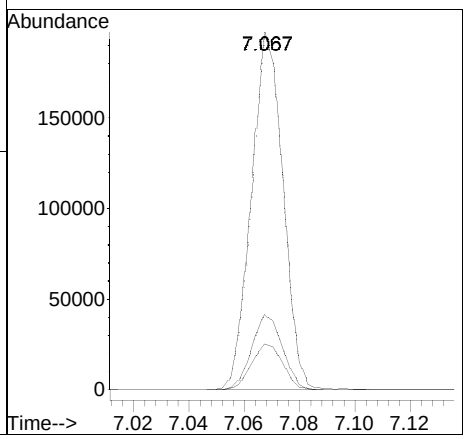


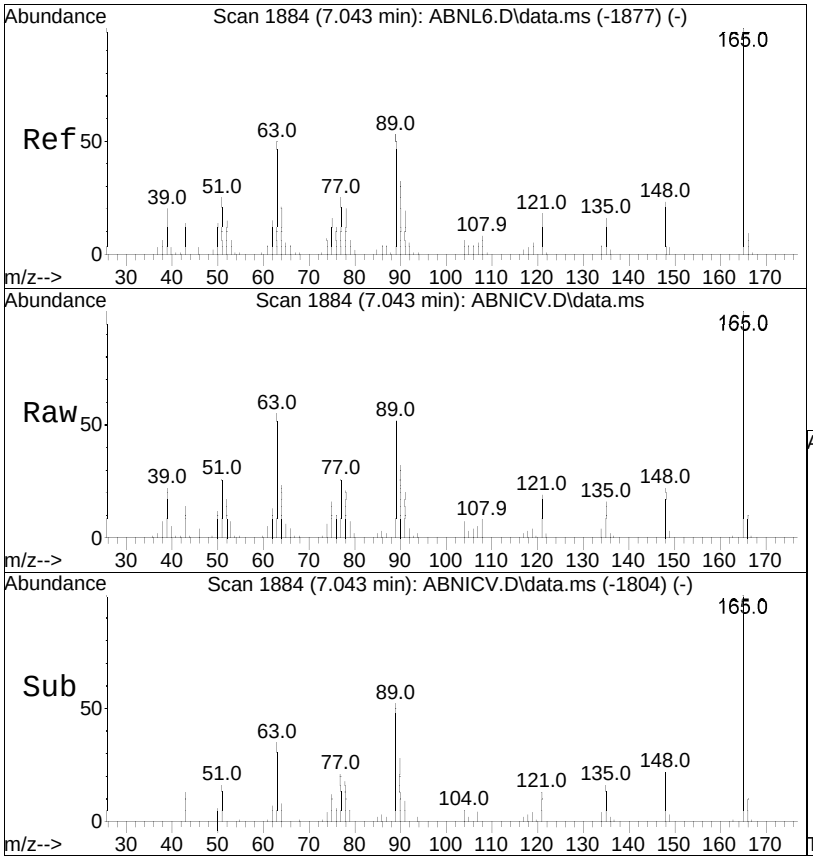


#54
Acenaphthylene
Concen: 4.44 ug/ml
RT: 7.067 min Scan# 1892
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:152 Resp: 155180

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	12.8	10.5	15.7

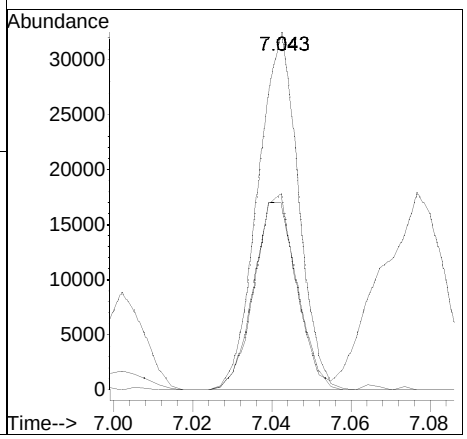


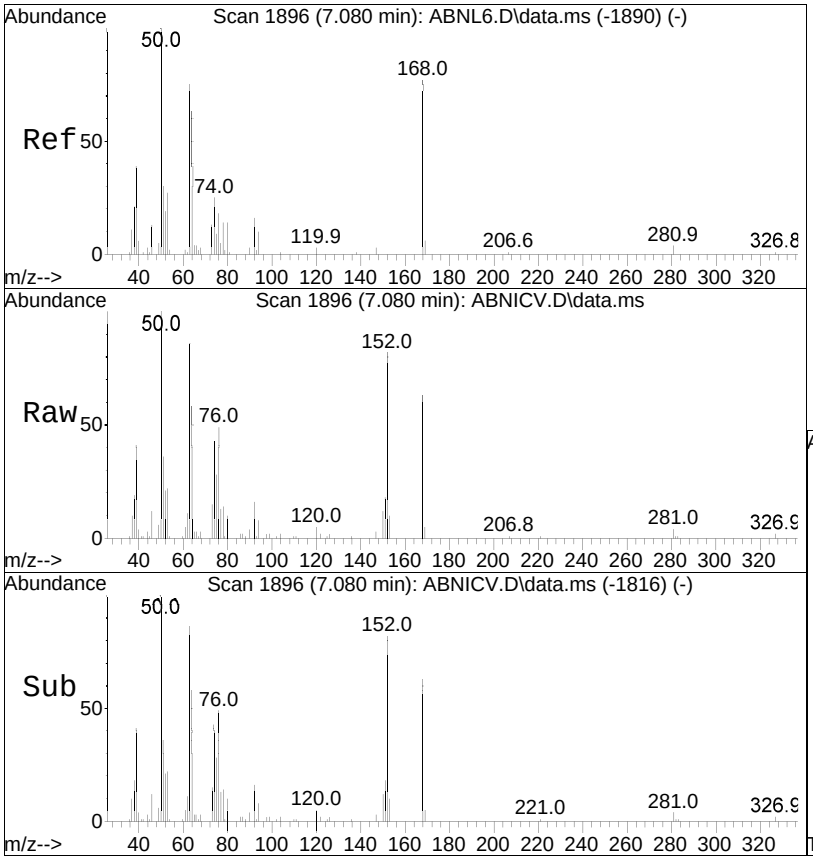


#55
2,6-Dinitrotoluene
Concen: 4.50 ug/ml
RT: 7.043 min Scan# 1884
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 23242

Ion	Ratio	Lower	Upper
165	100		
89	55.9	54.2	81.2
63	56.7	64.2	96.2#

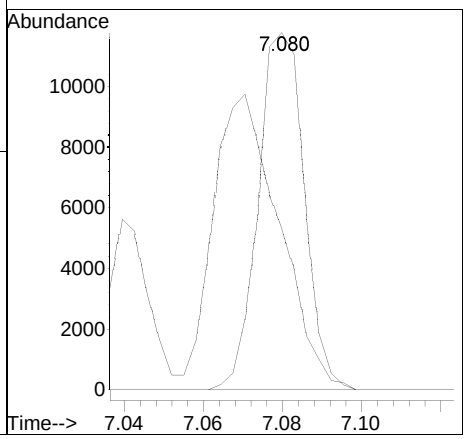


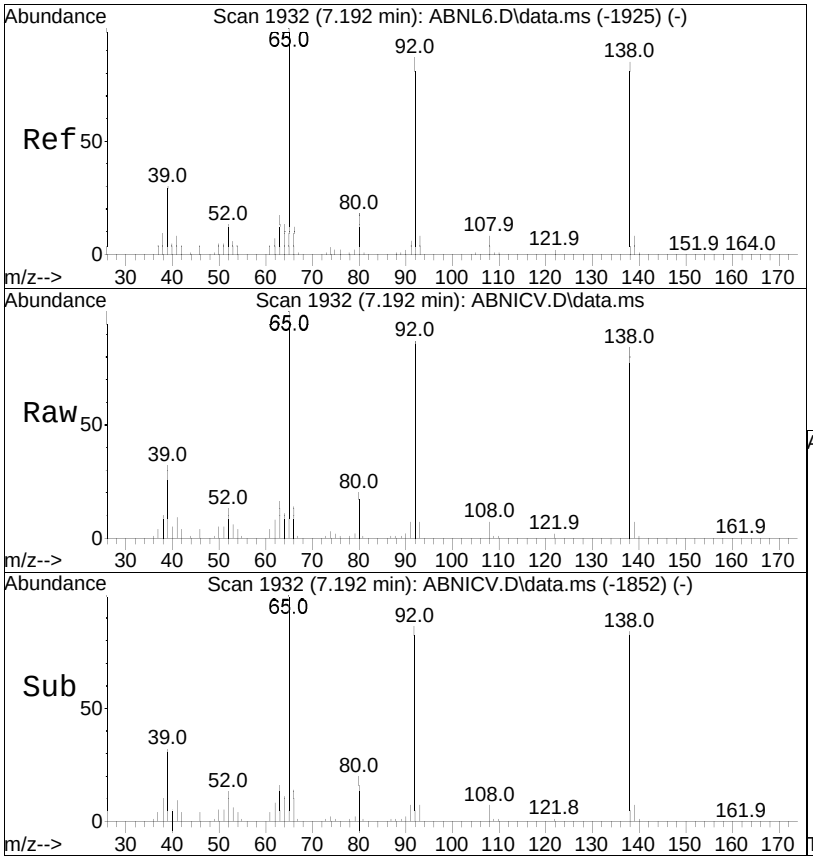


#56
1,2-Dinitrobenzene
Concen: 5.13 ug/ml
RT: 7.080 min Scan# 1896
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 9499

Ion	Ratio	Lower	Upper
168	100		
75	118.0	30.9	46.3#

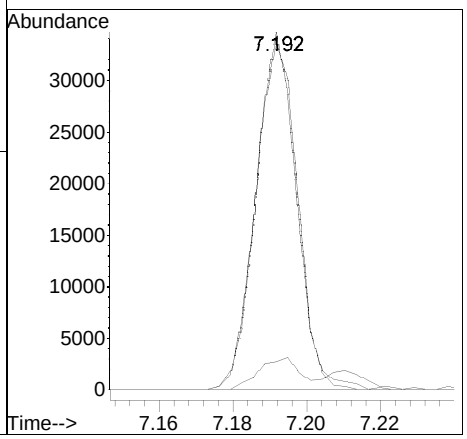


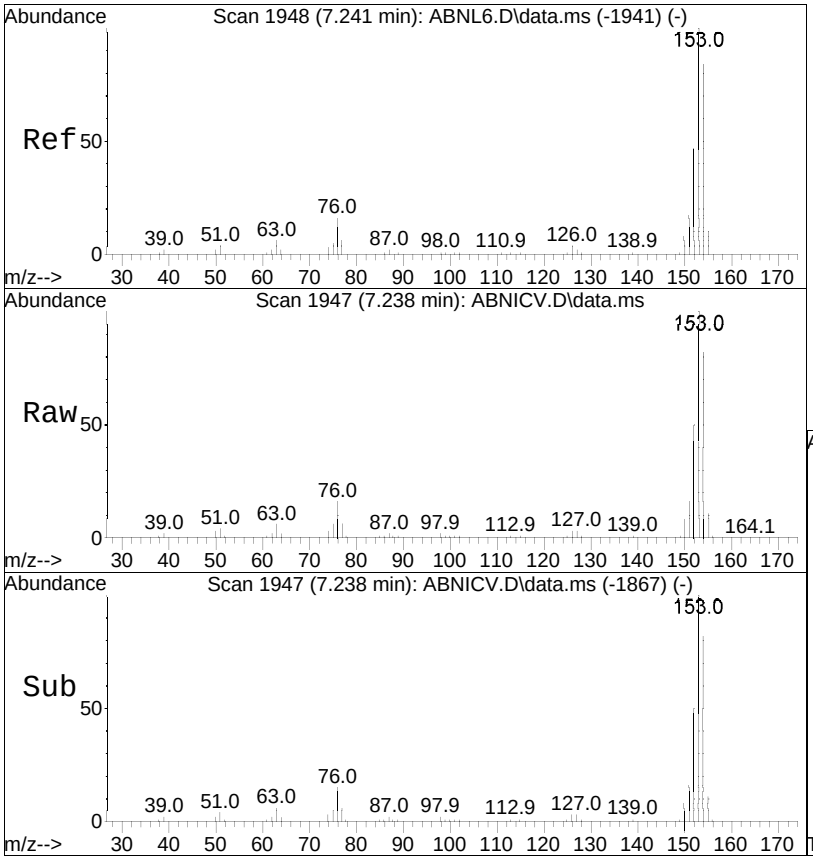


#66
3-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.192 min Scan# 1932
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26098

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	9.1	9.5	14.3#

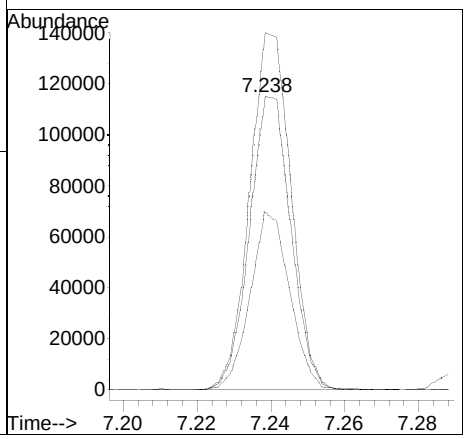


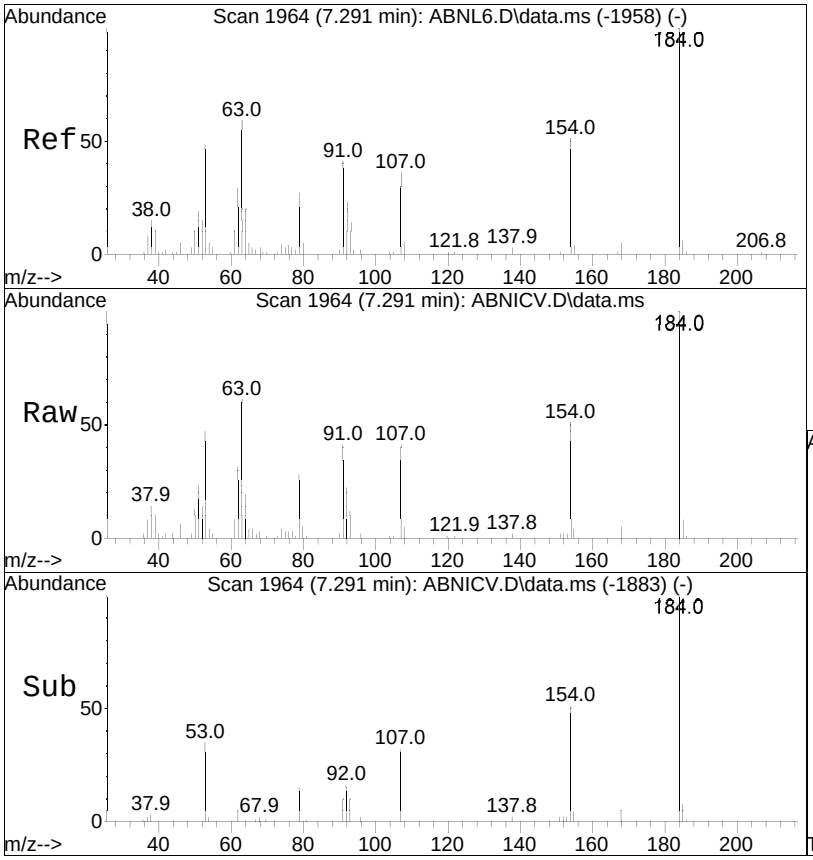


#67
Acenaphthene
Concen: 4.27 ug/ml
RT: 7.238 min Scan# 1947
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:154 Resp: 89205

Ion	Ratio	Lower	Upper
154	100		
153	122.2	85.3	127.9
152	58.1	41.4	62.0

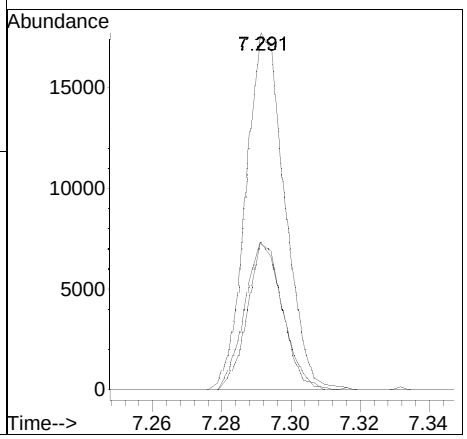


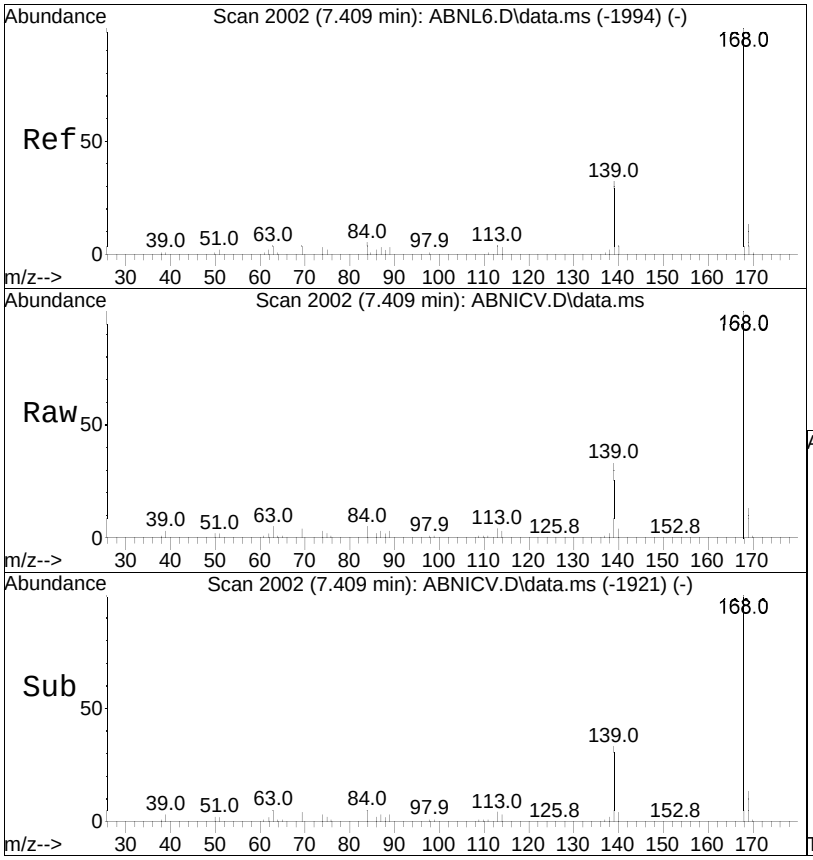


#68
2,4-Dinitrophenol
Concen: 4.13 ug/ml
RT: 7.291 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 13757

Ion	Ratio	Lower	Upper
184	100		
107	38.0	37.7	56.5
91	39.9	46.3	69.5#

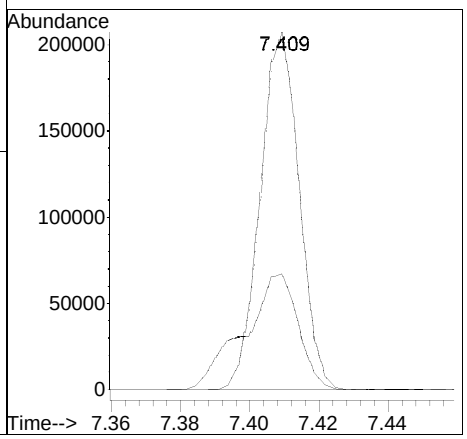


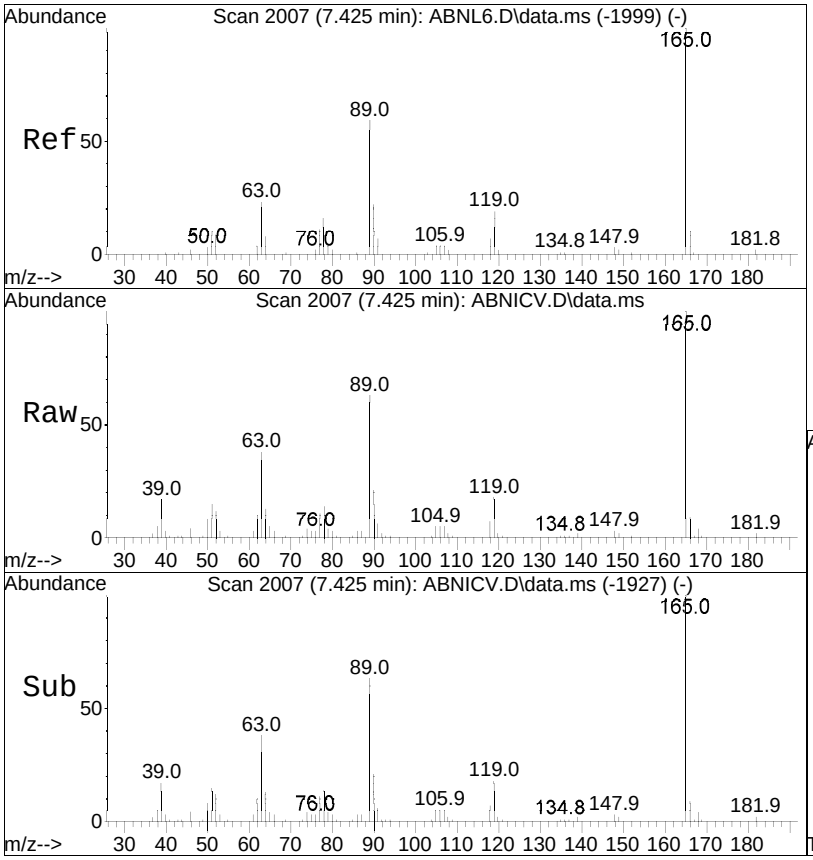


#69
Dibenzofuran
Concen: 4.45 ug/ml
RT: 7.409 min Scan# 2002
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:168 Resp: 160445

Ion	Ratio	Lower	Upper
168	100		
139	45.7	31.4	47.2

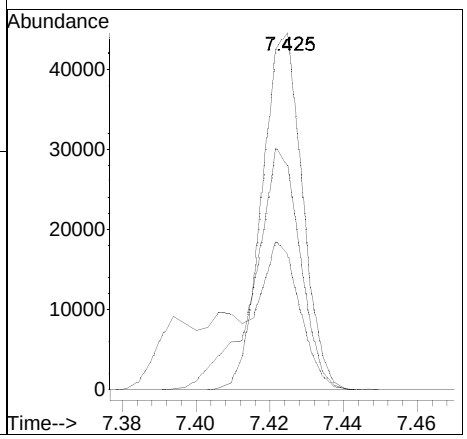


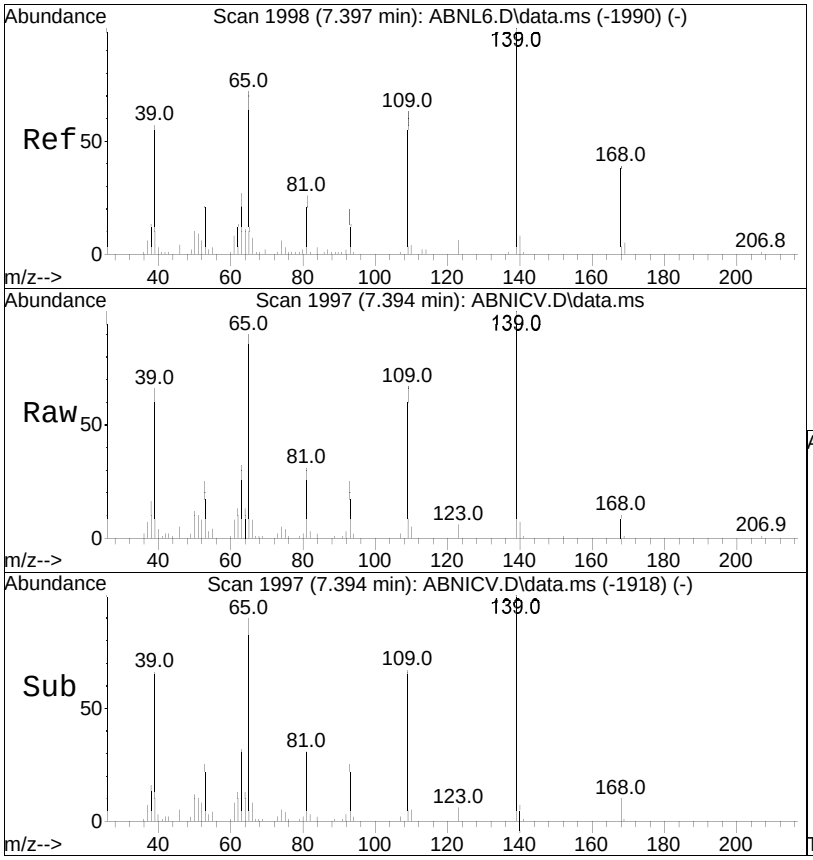


#70
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.425 min Scan# 2007
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:165 Resp: 33658

Ion	Ratio	Lower	Upper
165	100		
89	77.6	72.0	108.0
63	41.9	52.7	79.1#

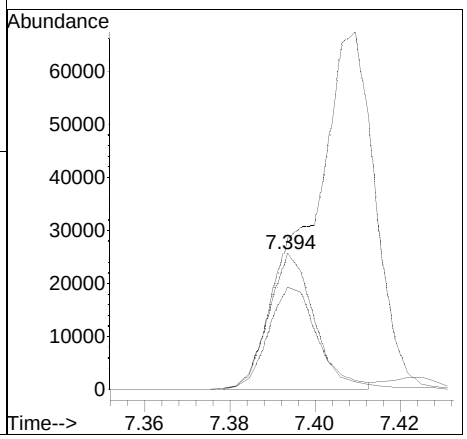


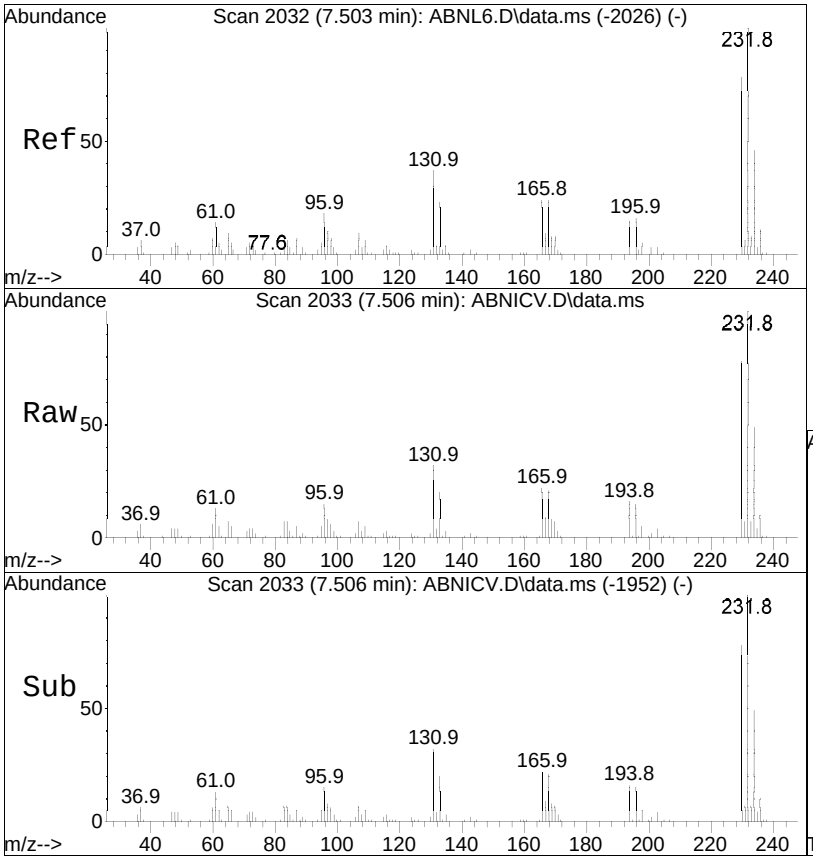


#71
4-Nitrophenol
Concen: 4.67 ug/ml
RT: 7.394 min Scan# 1997
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 65 Resp: 19325

Ion	Ratio	Lower	Upper
65	100		
109	81.5	47.4	71.2#
139	0.0	76.6	115.0#

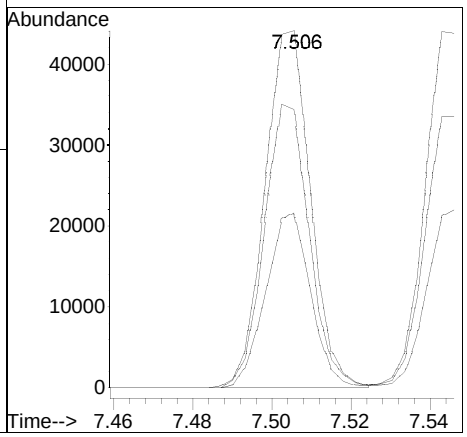


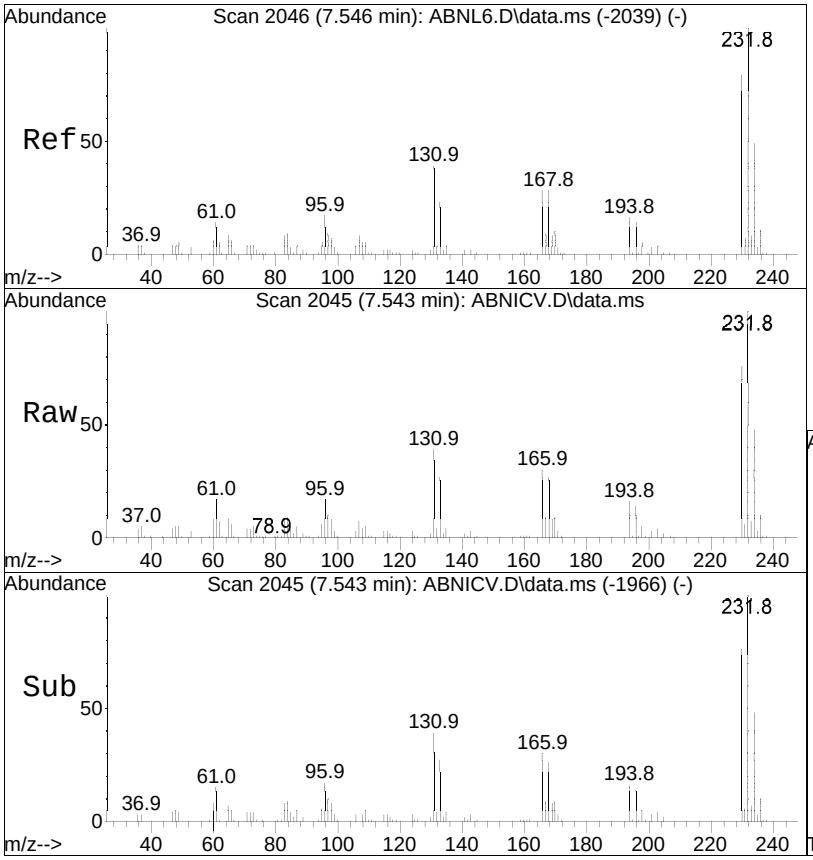


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.52 ug/ml
RT: 7.506 min Scan# 2033
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35437

Ion	Ratio	Lower	Upper
232	100		
230	78.3	64.2	96.4
234	48.2	38.1	57.1

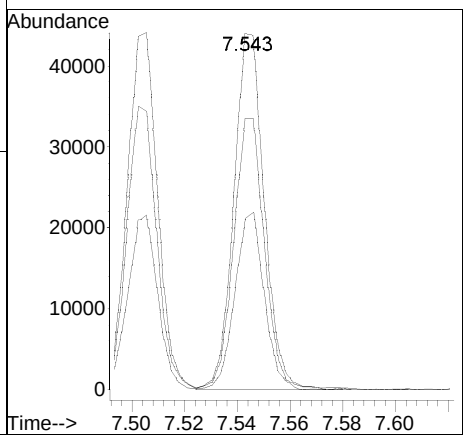


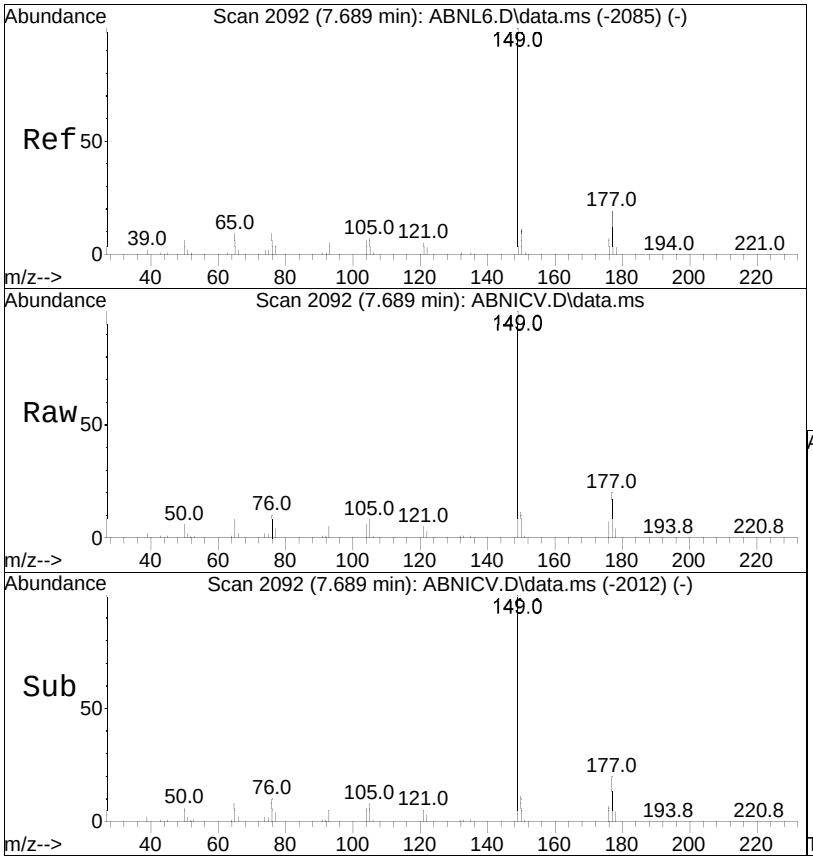


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.63 ug/ml
RT: 7.543 min Scan# 2045
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:232 Resp: 35578

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.2	36.2	54.2

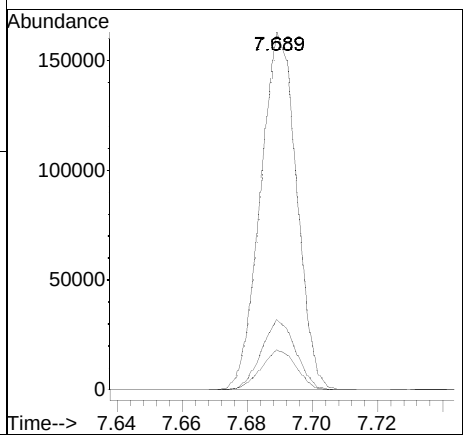


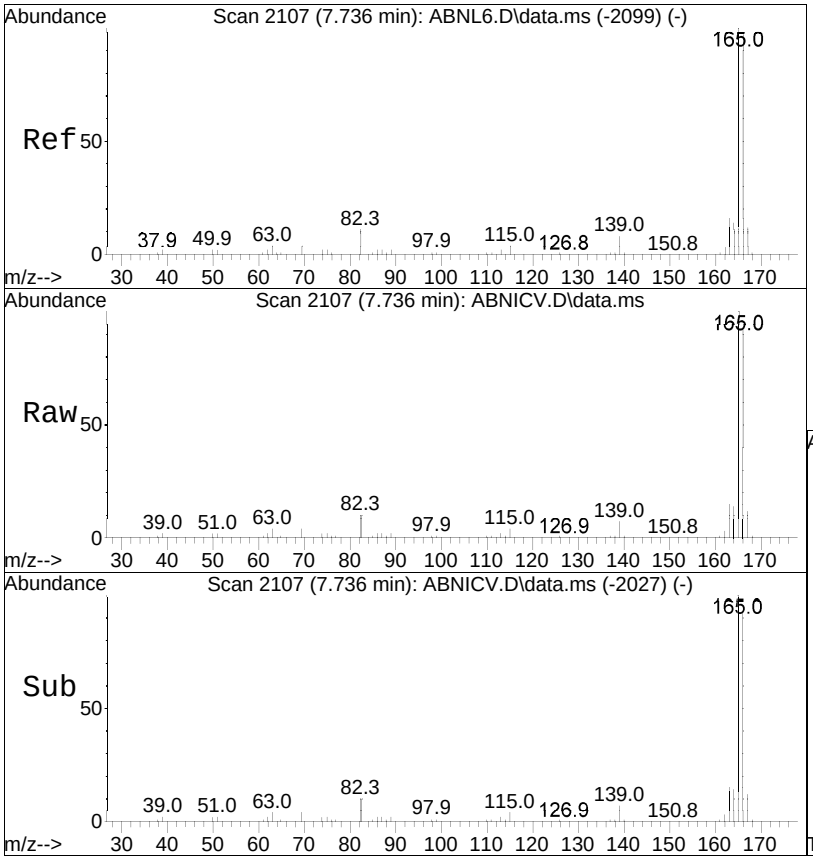


#74
Diethyl phthalate
Concen: 4.38 ug/ml
RT: 7.689 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 123901

Ion	Ratio	Lower	Upper
149	100		
177	18.9	16.1	24.1
150	11.2	9.4	14.2

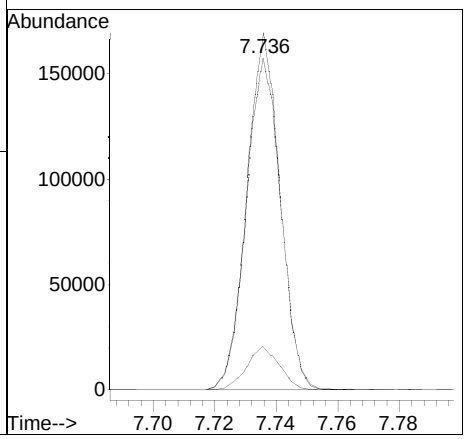


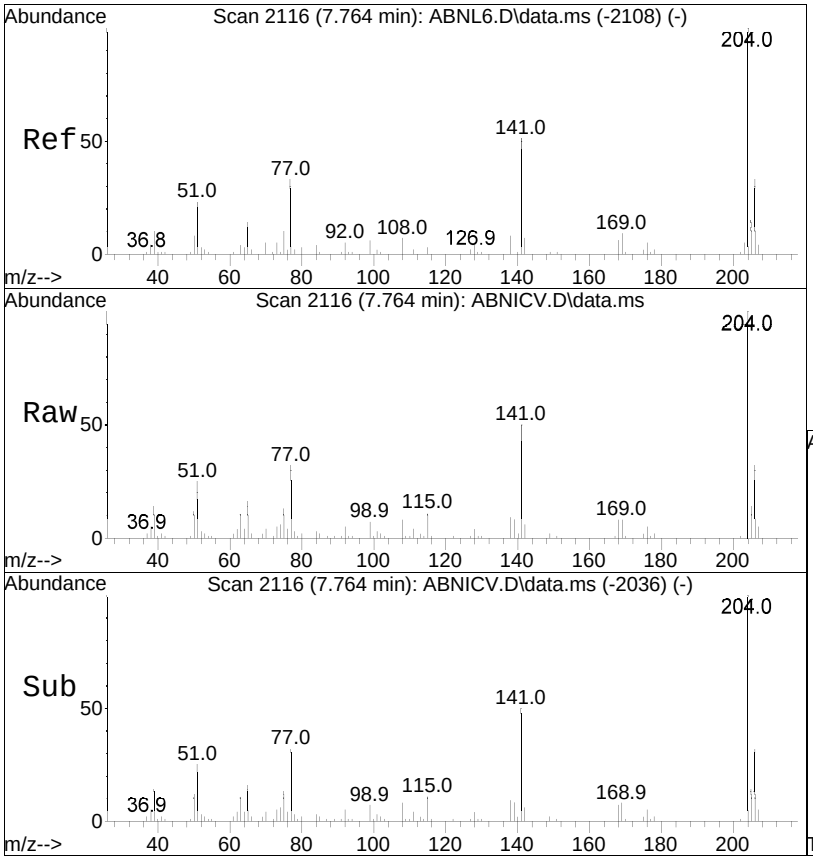


#75
Fluorene
Concen: 4.42 ug/ml
RT: 7.736 min Scan# 2107
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:166 Resp: 122050

Ion	Ratio	Lower	Upper
166	100		
165	104.2	76.2	114.2
167	12.5	10.6	15.8

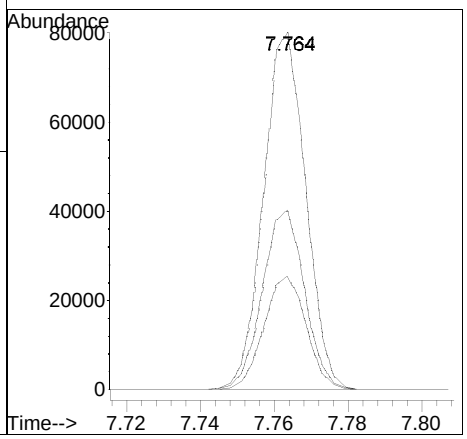


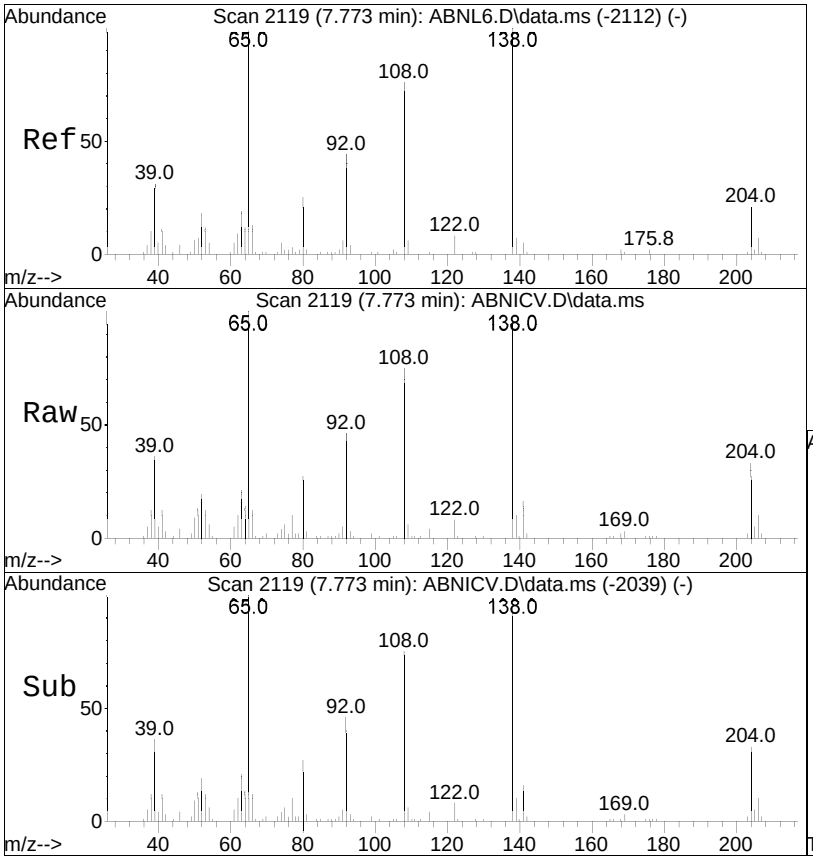


#76
4-Chlorophenyl phenyl ether
Concen: 4.43 ug/ml
RT: 7.764 min Scan# 2116
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:204 Resp: 63042

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	50.4	53.6	80.4#

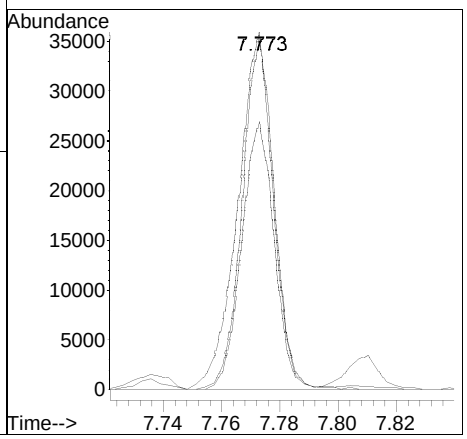


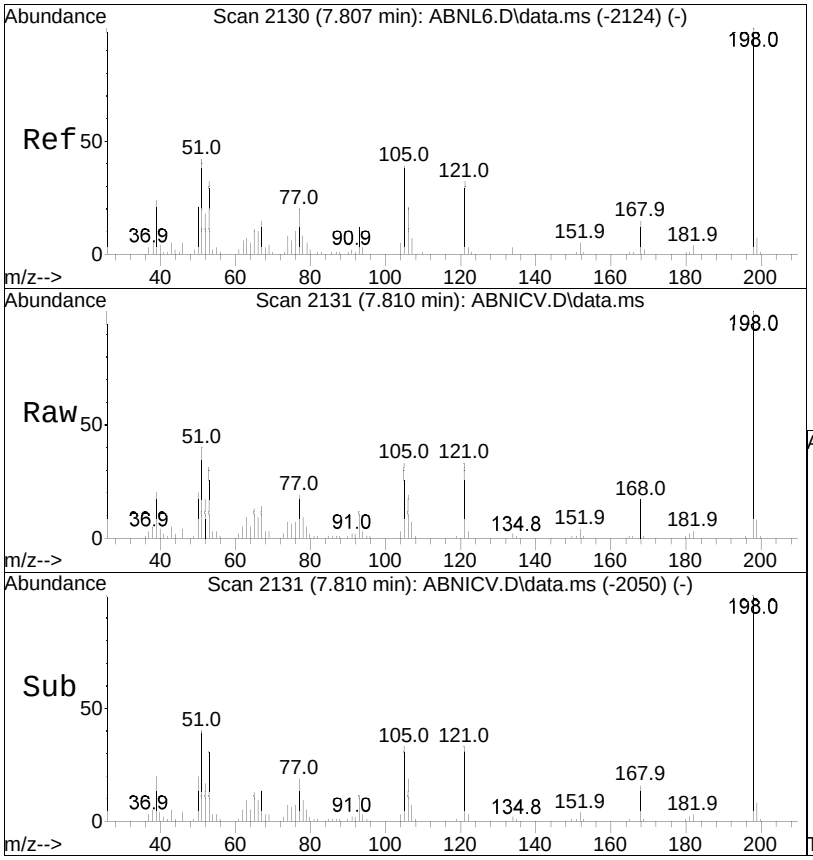


#77
4-Nitroaniline
Concen: 5.02 ug/ml
RT: 7.773 min Scan# 2119
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:138 Resp: 26907

Ion	Ratio	Lower	Upper
138	100		
108	77.2	52.1	78.1
65	111.2	115.0	172.6#

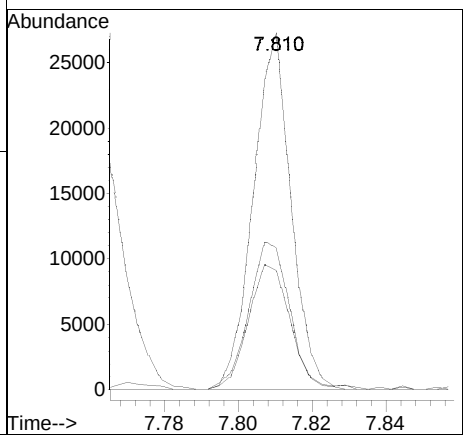


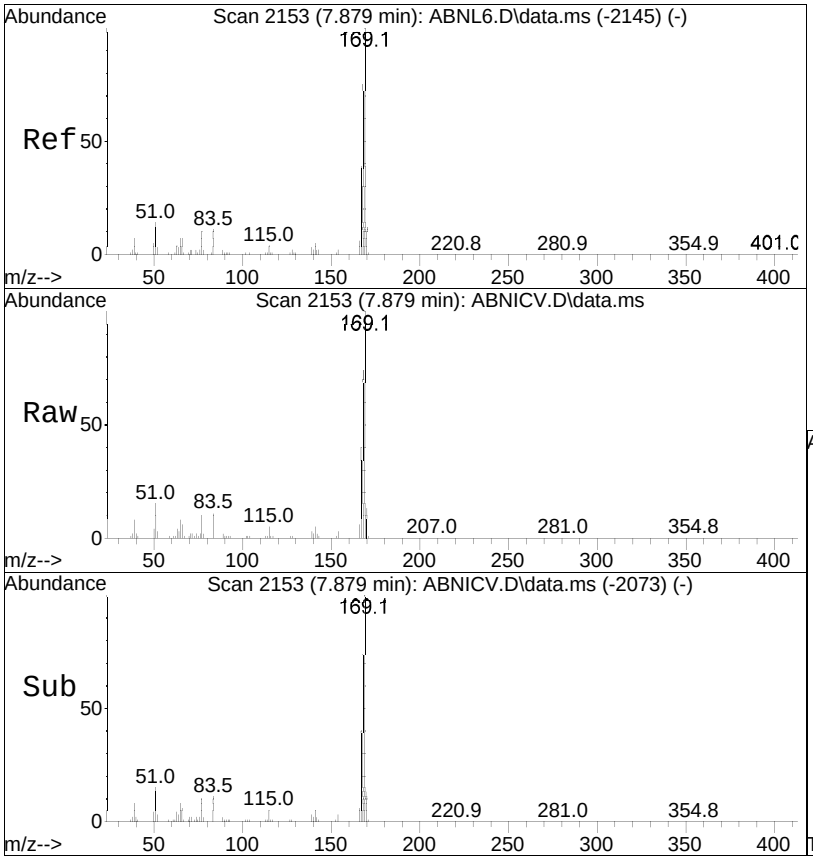


#78
4,6-Dinitro-o-cresol
Concen: 4.61 ug/ml
RT: 7.810 min Scan# 2131
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:198 Resp: 19382

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	38.6	45.6	68.4#

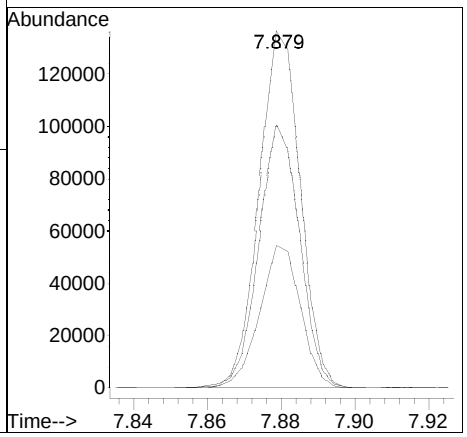


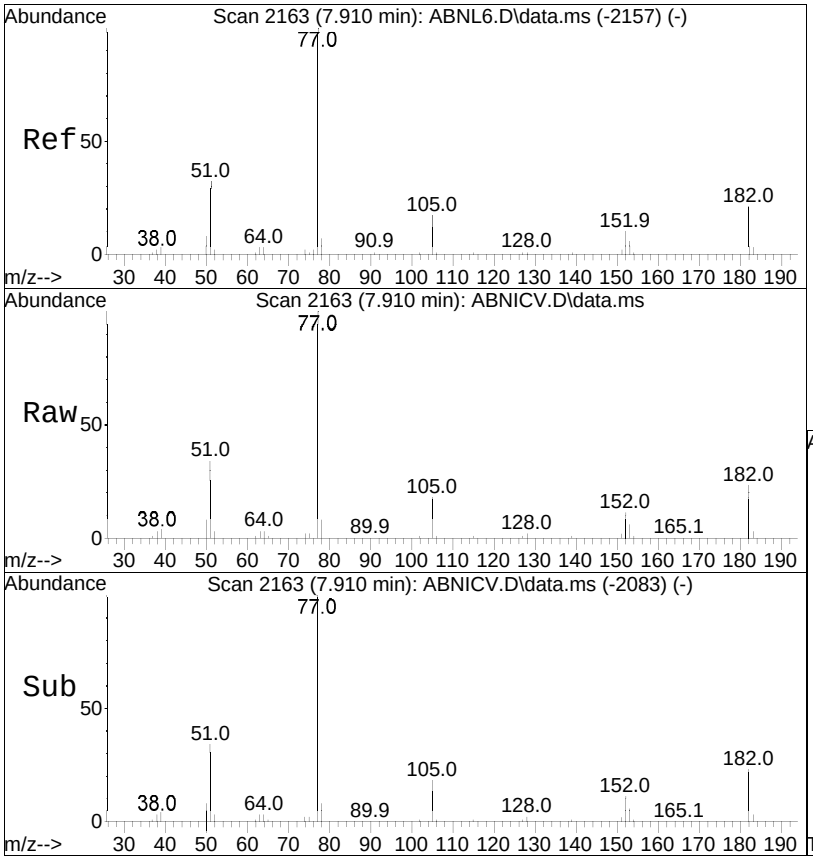


#79
NDPA/DPA
Concen: 4.40 ug/ml
RT: 7.879 min Scan# 2153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:169 Resp: 105614

Ion	Ratio	Lower	Upper
169	100		
168	73.5	54.0	81.0
167	39.9	28.6	42.8

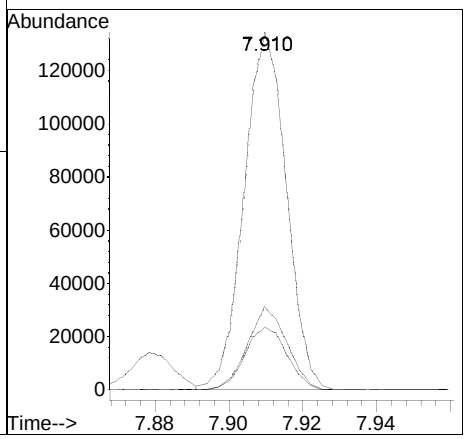


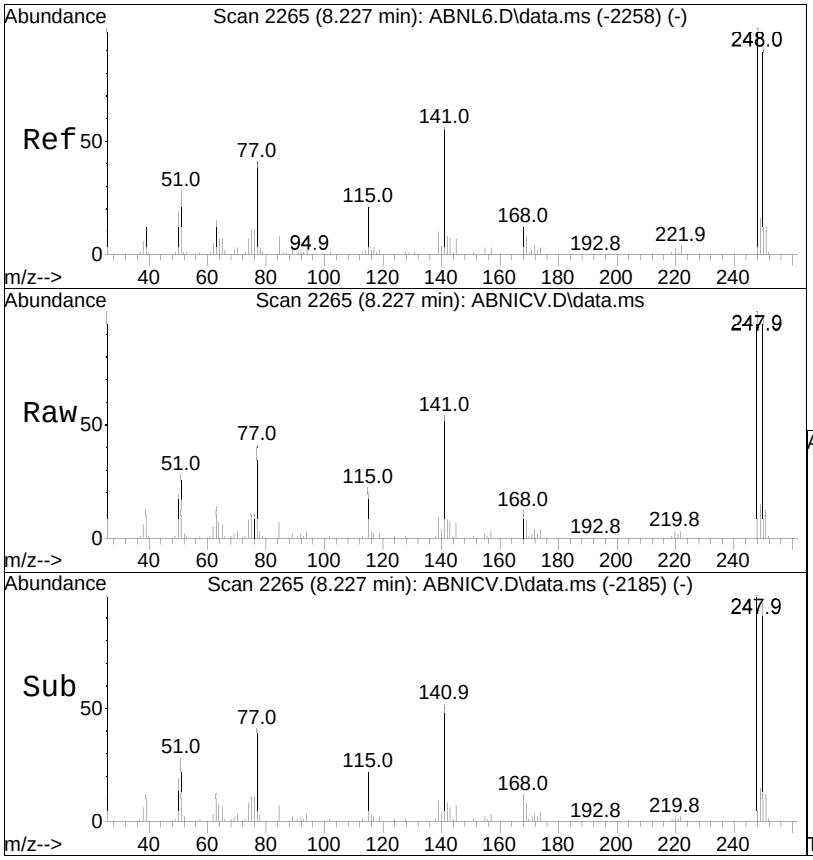


#80
Azobenzene
Concen: 4.60 ug/ml
RT: 7.910 min Scan# 2163
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion: 77 Resp: 105841

Ion	Ratio	Lower	Upper
77	100		
182	21.9	17.4	26.2
105	17.7	15.4	23.2

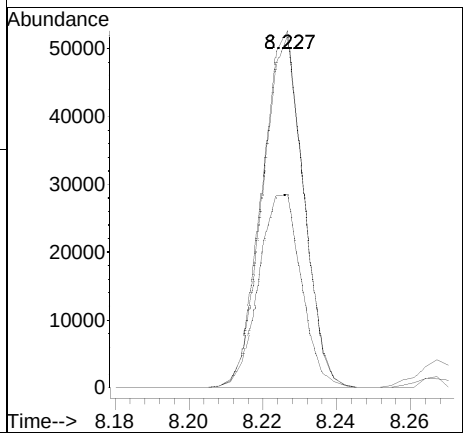


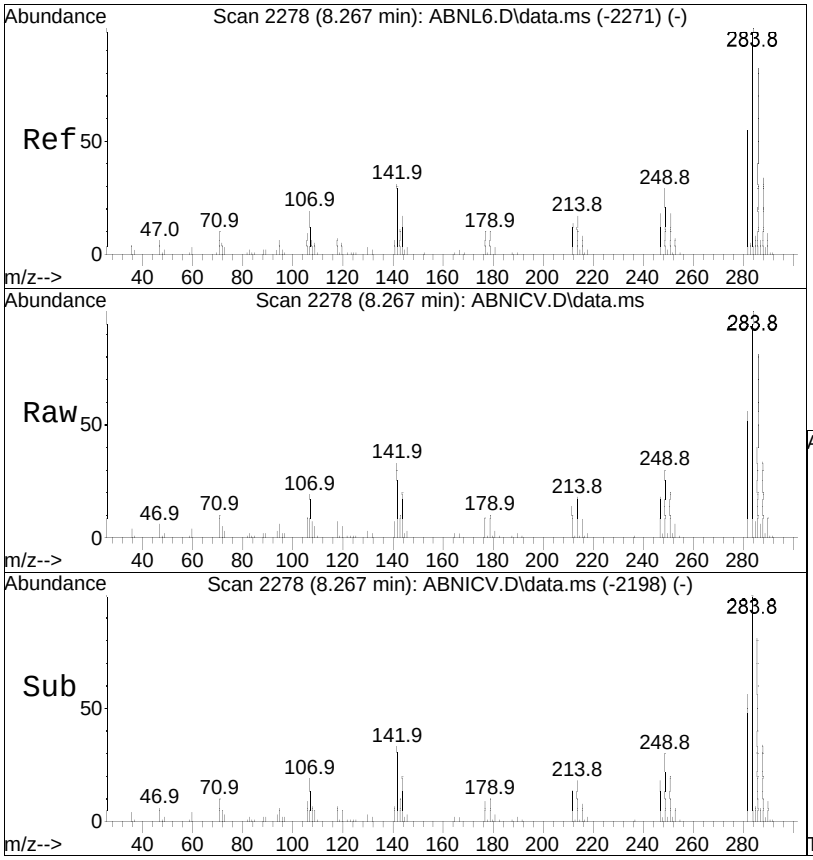


#82
4-Bromophenyl phenyl ether
Concen: 4.36 ug/ml
RT: 8.227 min Scan# 2265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:248 Resp: 40811

Ion	Ratio	Lower	Upper
248	100		
141	55.8	76.6	114.8#
250	97.2	77.3	115.9

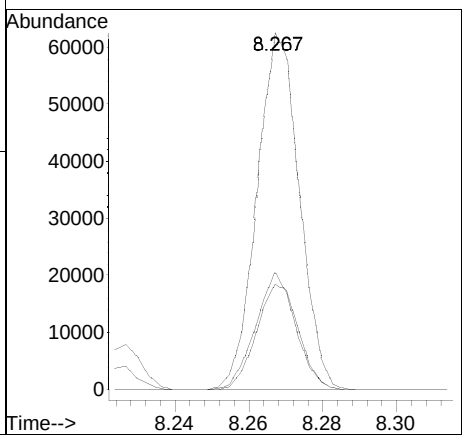


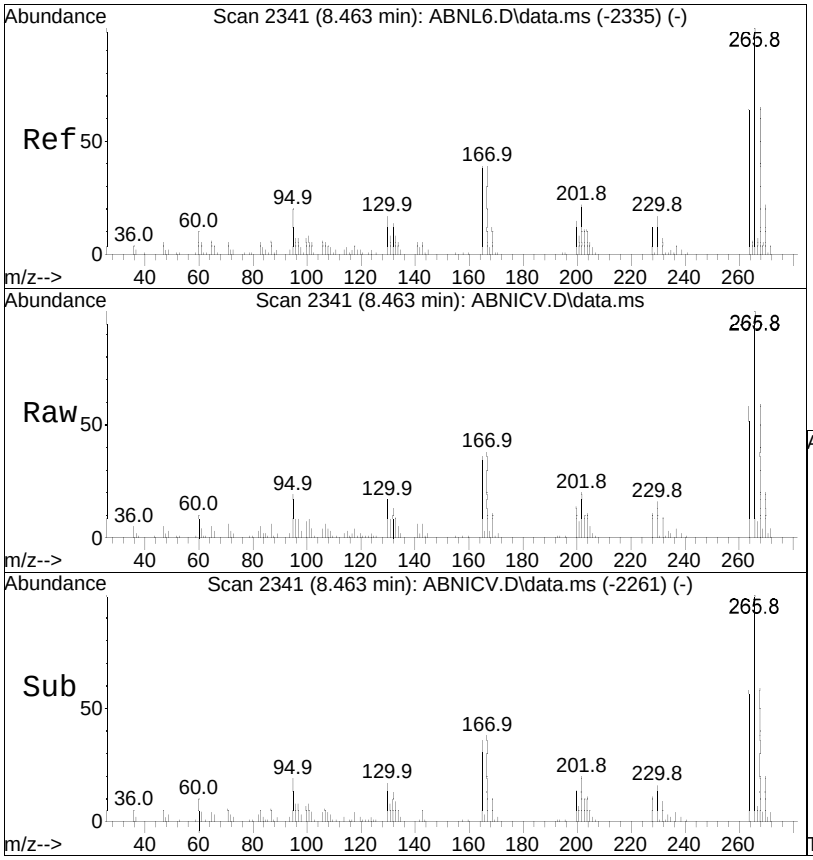


#83
Hexachlorobenzene
Concen: 4.21 ug/ml
RT: 8.267 min Scan# 2278
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:284 Resp: 49668

Ion	Ratio	Lower	Upper
284	100		
142	31.2	41.9	62.9#
249	29.5	24.1	36.1

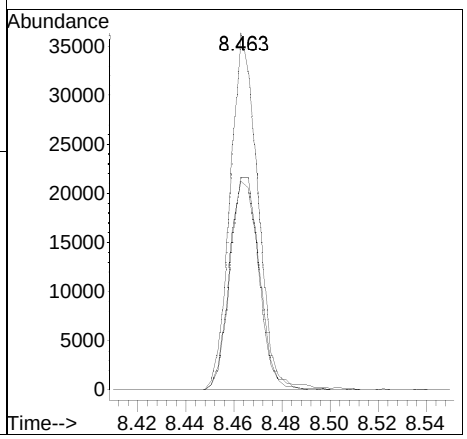


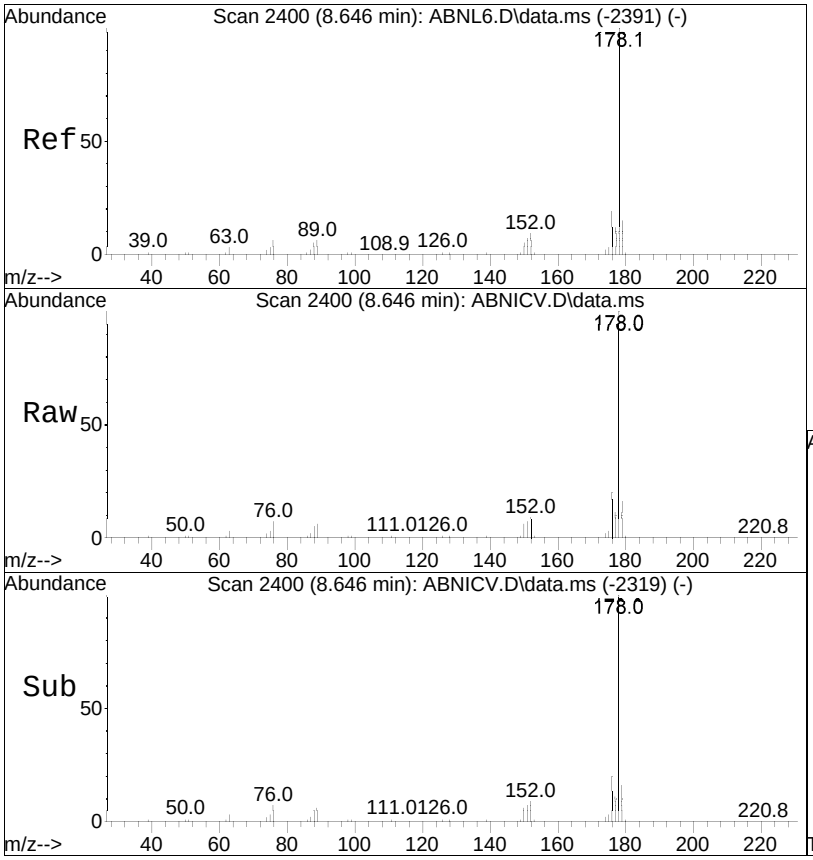


#84
Pentachlorophenol
Concen: 4.55 ug/ml
RT: 8.463 min Scan# 2341
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:266 Resp: 29051

Ion	Ratio	Lower	Upper
266	100		
264	62.1	49.7	74.5
268	63.9	50.5	75.7

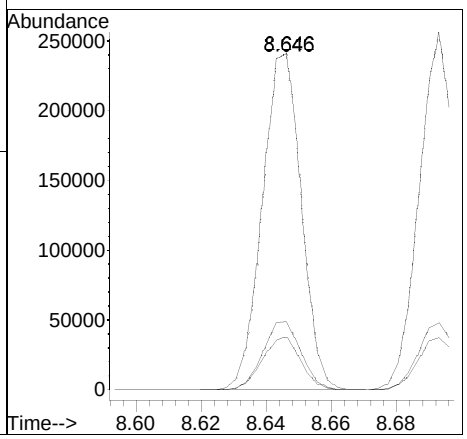


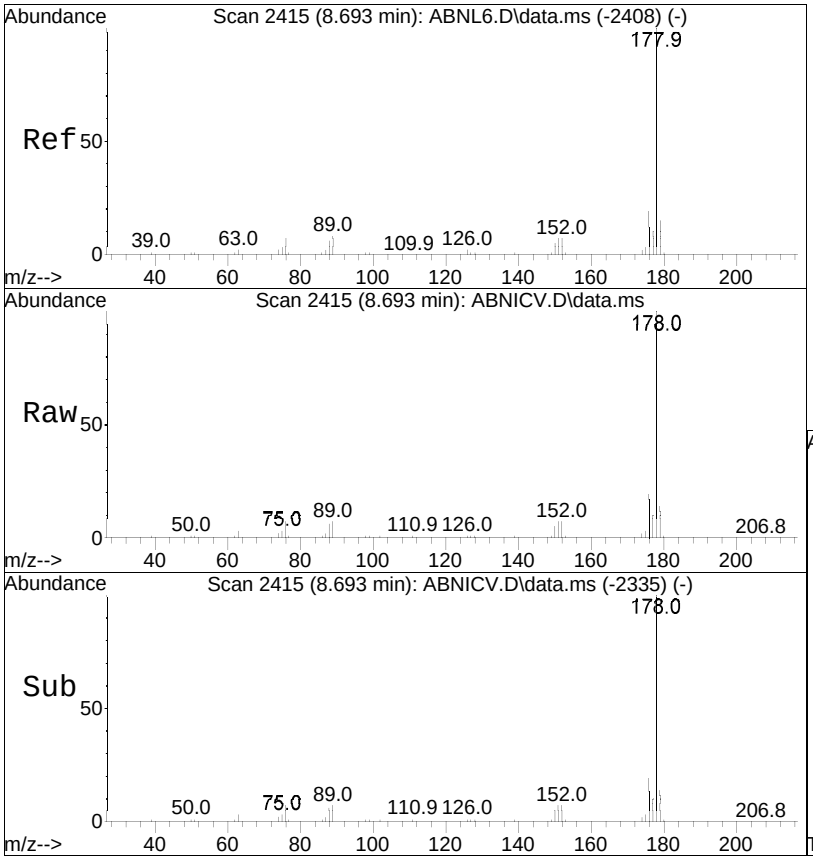


#91
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.646 min Scan# 2400
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 199979

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	19.8	15.4	23.2

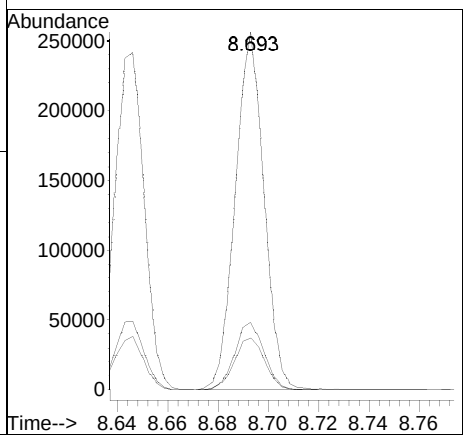


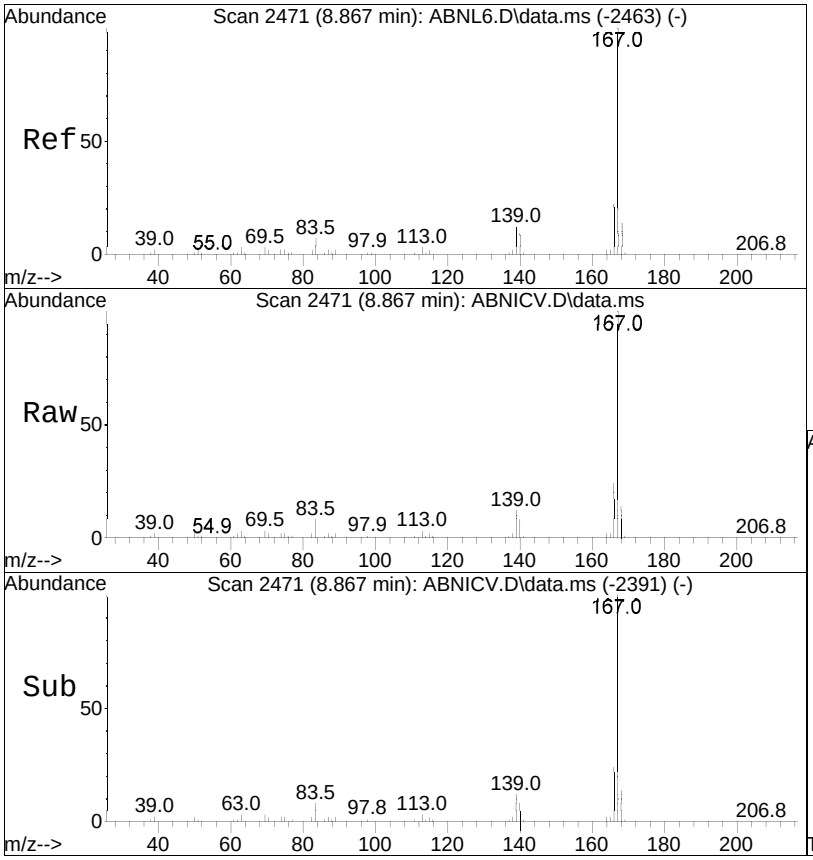


#92
Anthracene
Concen: 4.57 ug/ml
RT: 8.693 min Scan# 2415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:178 Resp: 203231

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.2	14.6	22.0

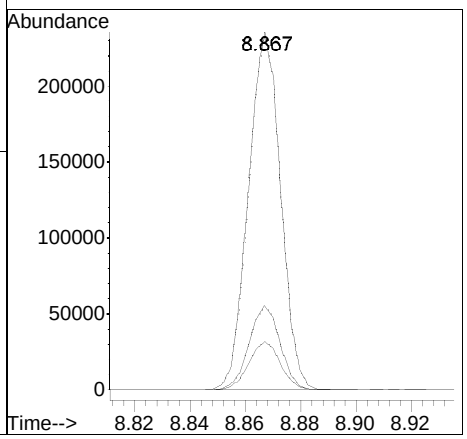


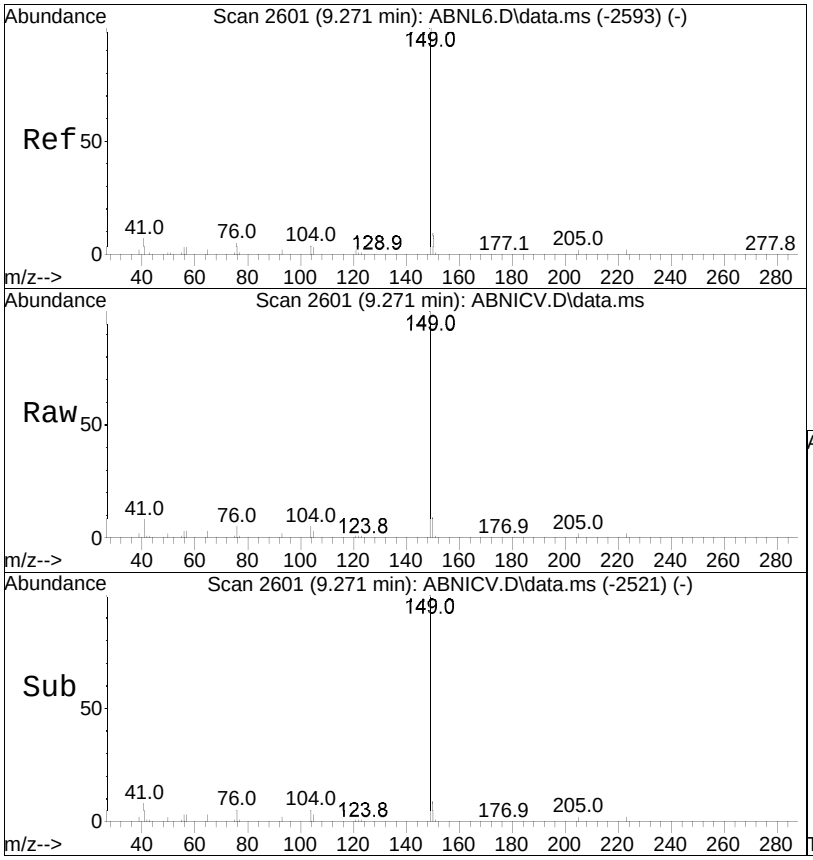


#93
Carbazole
Concen: 4.61 ug/ml
RT: 8.867 min Scan# 2471
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:167 Resp: 188138

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

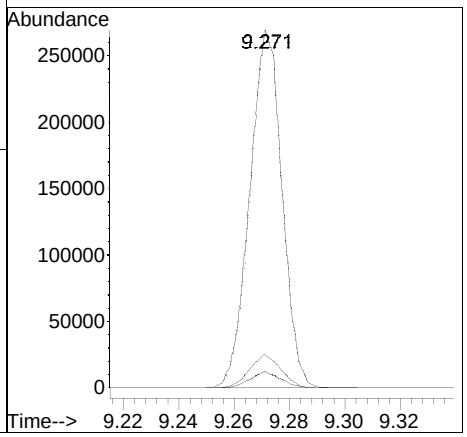


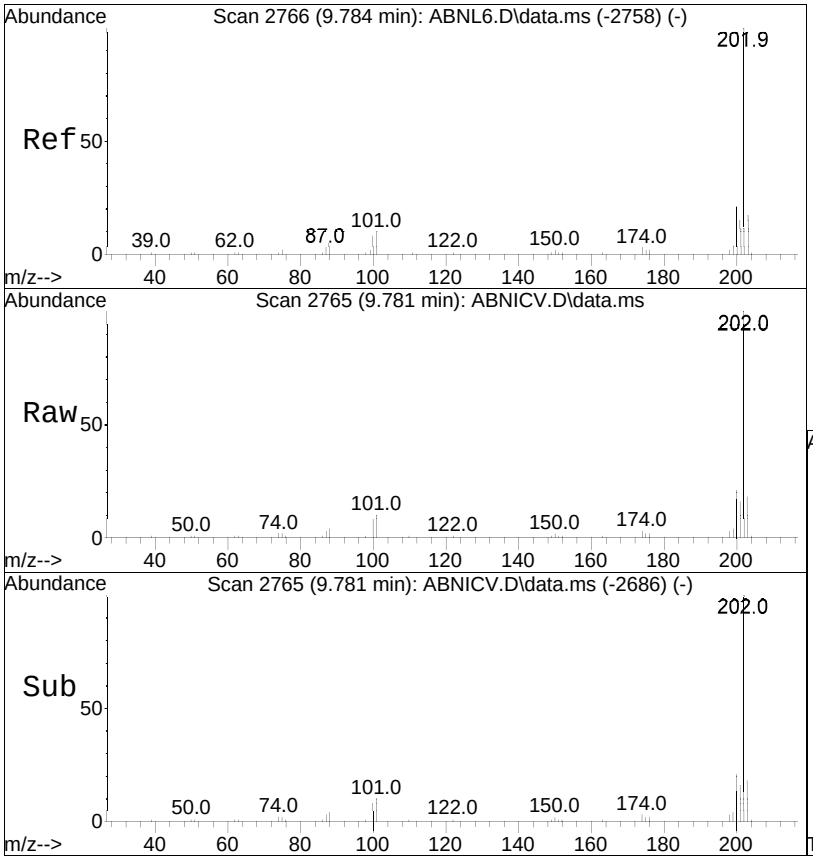


#94
Di-n-butylphthalate
Concen: 4.64 ug/ml
RT: 9.271 min Scan# 2601
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 214371

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.4	4.5	6.7#

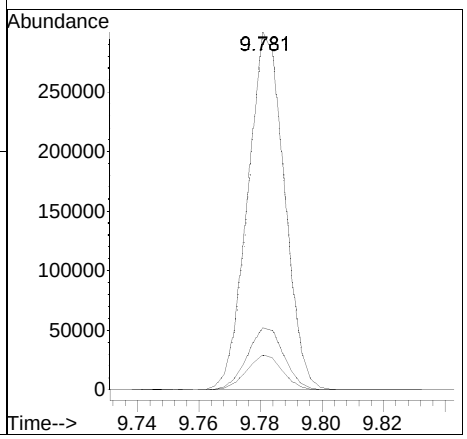


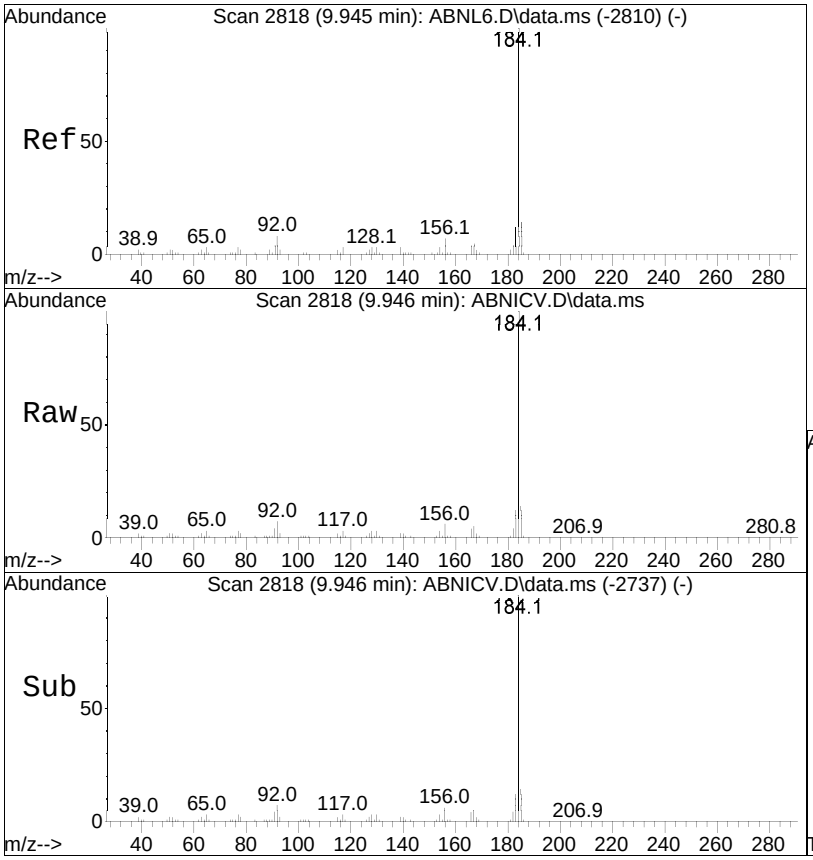


#95
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.781 min Scan# 2765
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 246949

Ion	Ratio	Lower	Upper
202	100		
101	9.5	13.5	20.3#
203	17.5	13.6	20.4

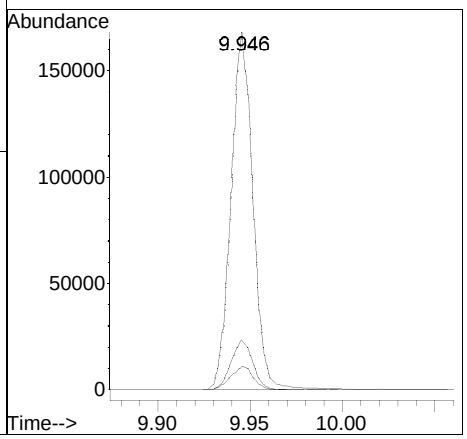


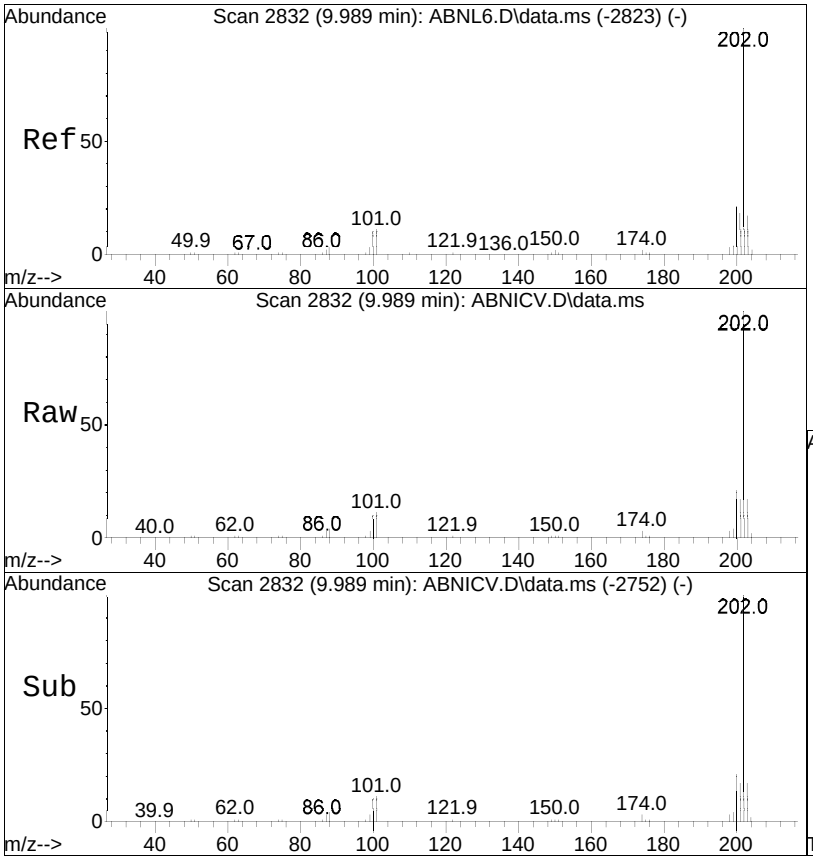


#96
Benzidine
Concen: 4.63 ug/ml
RT: 9.946 min Scan# 2818
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:184 Resp: 136878

Ion	Ratio	Lower	Upper
184	100		
92	6.9	9.1	13.7#
185	13.9	11.1	16.7

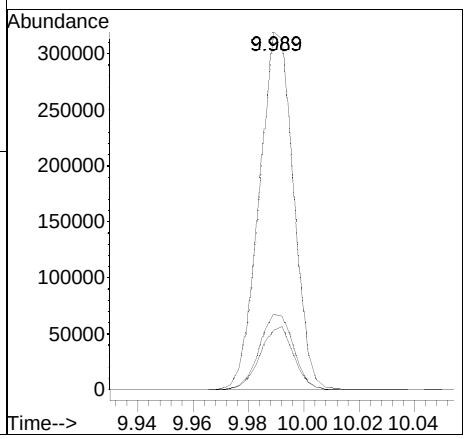


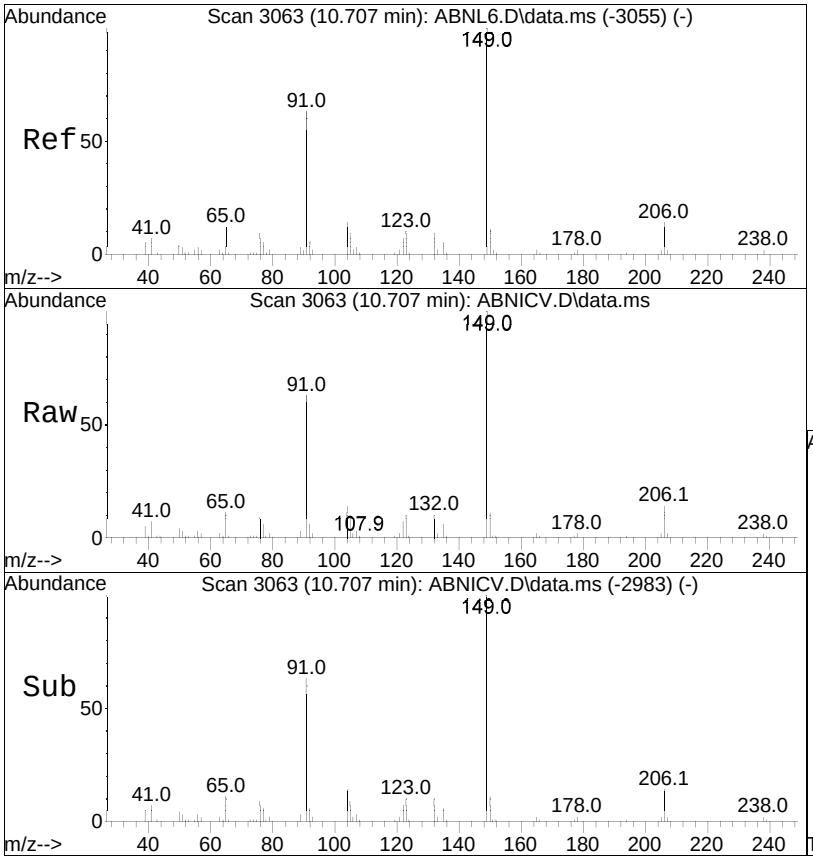


#97
Pyrene
Concen: 4.67 ug/ml
RT: 9.989 min Scan# 2832
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:202 Resp: 272087

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.4	14.2	21.4

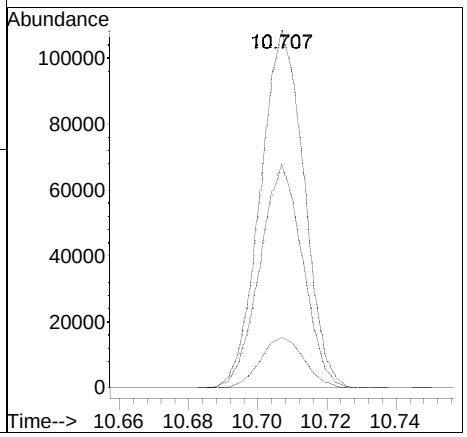


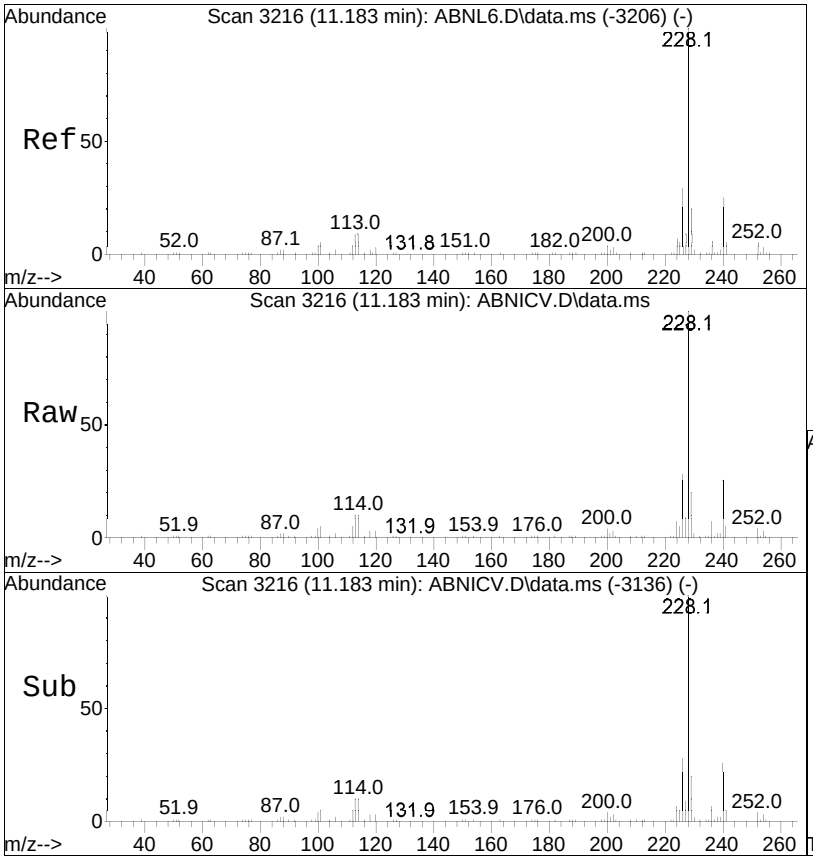


#99
Butyl benzyl phthalate
Concen: 4.75 ug/ml
RT: 10.707 min Scan# 3063
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 94148

Ion	Ratio	Lower	Upper
149	100		
91	61.9	63.3	94.9#
206	14.3	13.9	20.9

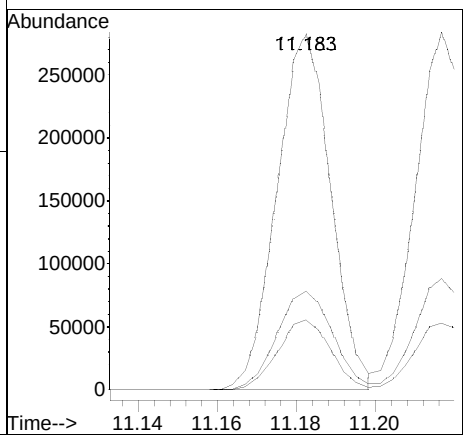


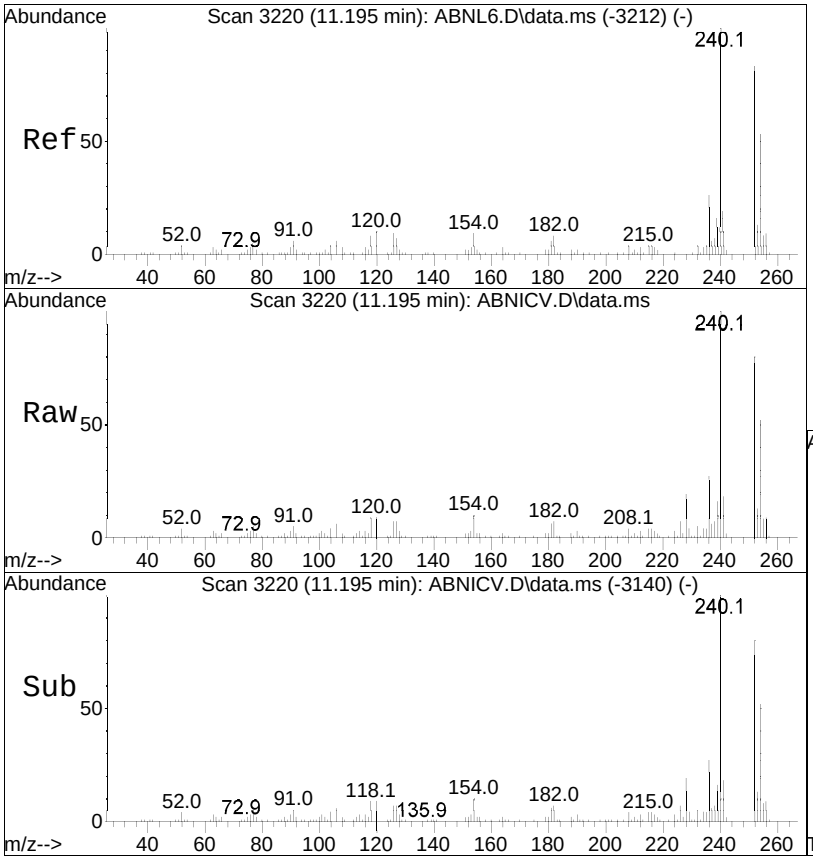


#107
Benzo(a)anthracene
Concen: 4.44 ug/ml
RT: 11.183 min Scan# 3216
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 267033

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.2	33.4
229	19.5	15.6	23.4

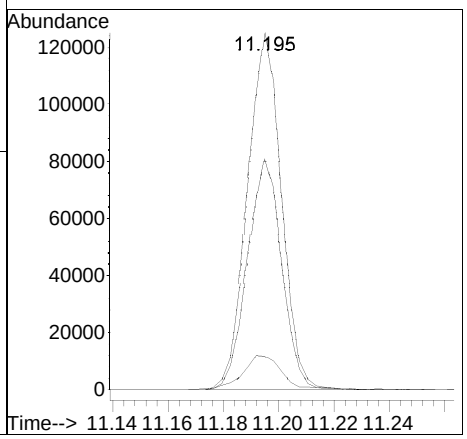


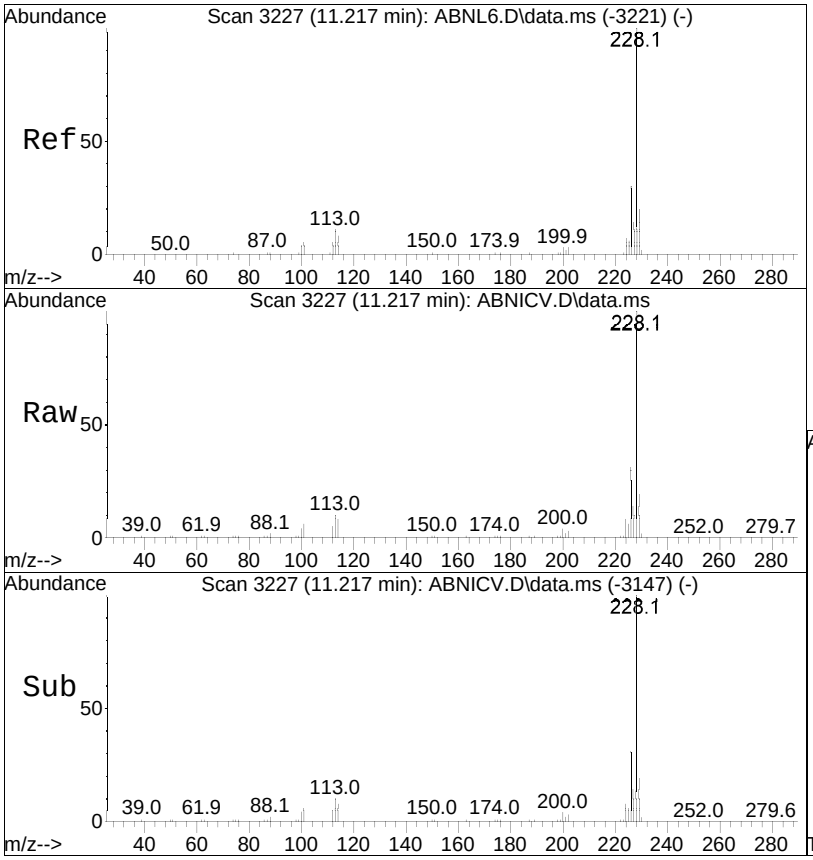


#108
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 11.195 min Scan# 3220
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 106445

Ion	Ratio	Lower	Upper
252	100		
126	11.4	14.5	21.7#
254	65.3	51.2	76.8

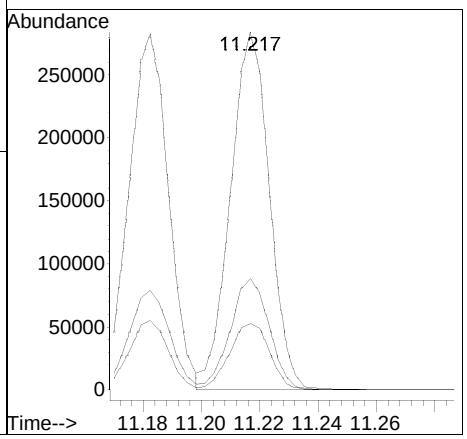


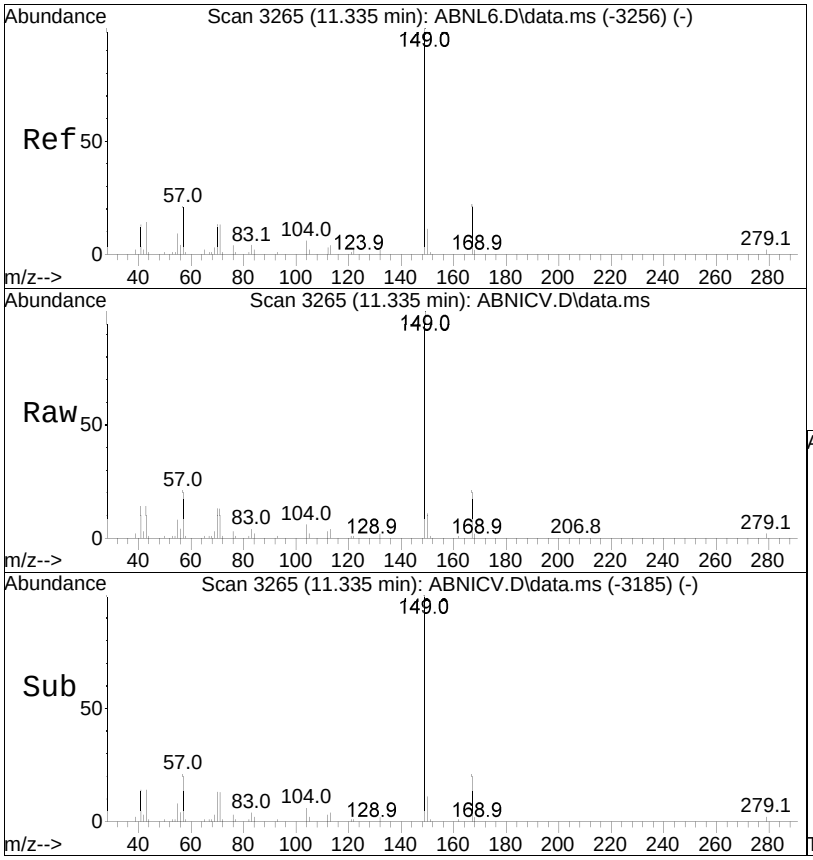


#109
Chrysene
Concen: 4.40 ug/ml
RT: 11.217 min Scan# 3227
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:228 Resp: 263085

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.4	15.8	23.8

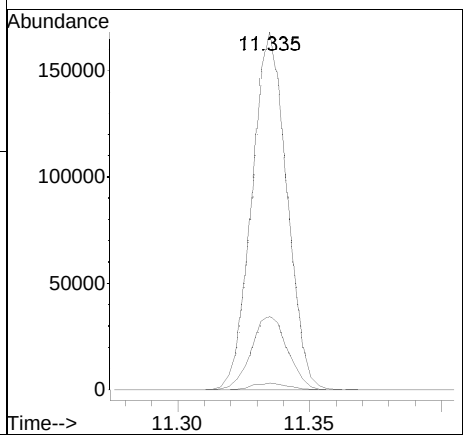


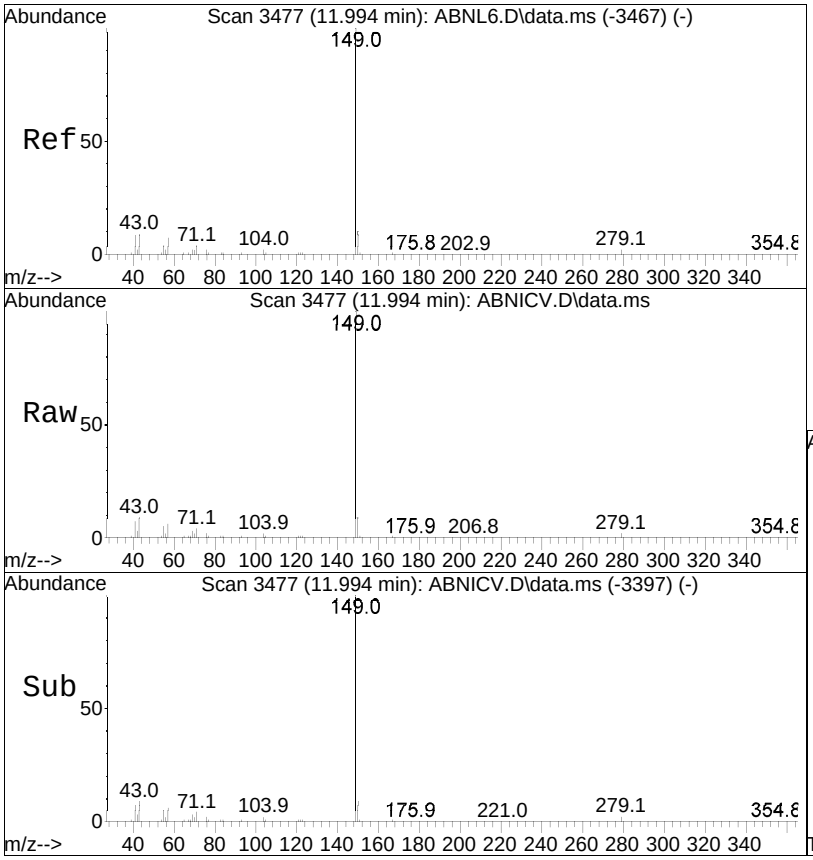


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.74 ug/ml
RT: 11.335 min Scan# 3265
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 152756

Ion	Ratio	Lower	Upper
149	100		
167	21.5	22.1	33.1#
279	1.9	3.0	4.4#

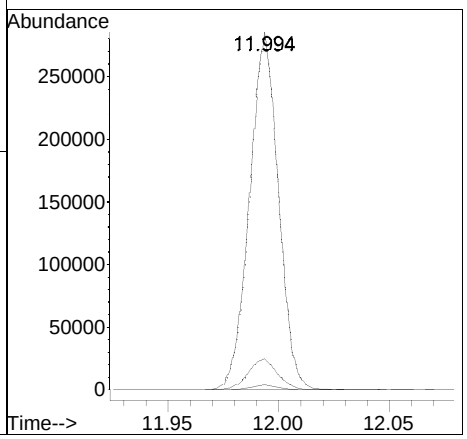


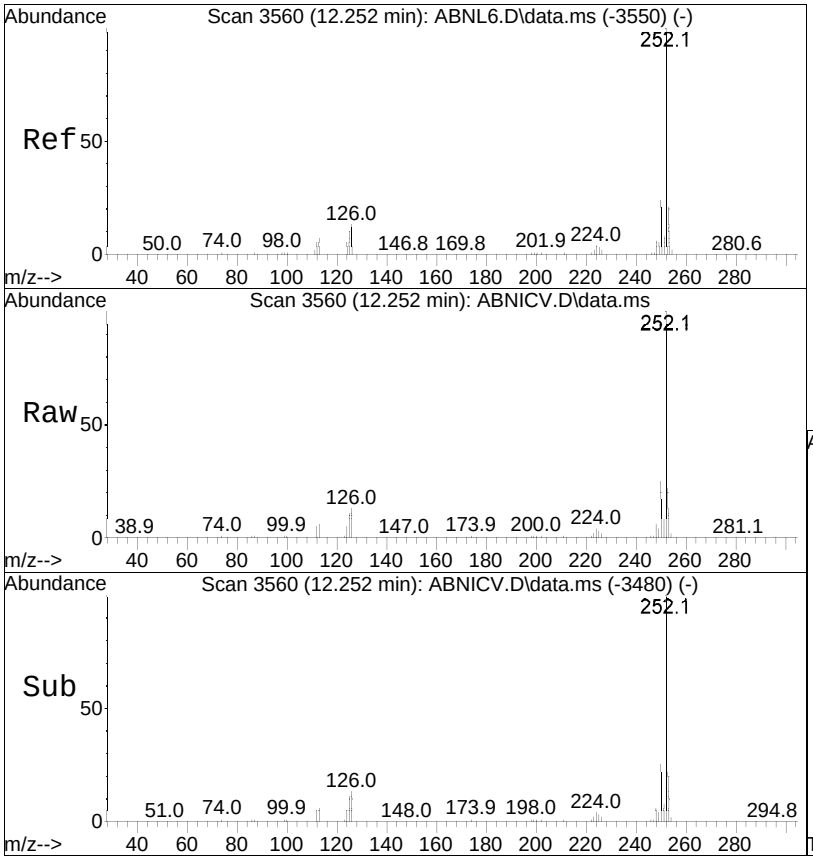


#111
Di-n-octylphthalate
Concen: 4.75 ug/ml
RT: 11.994 min Scan# 3477
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:149 Resp: 254994

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

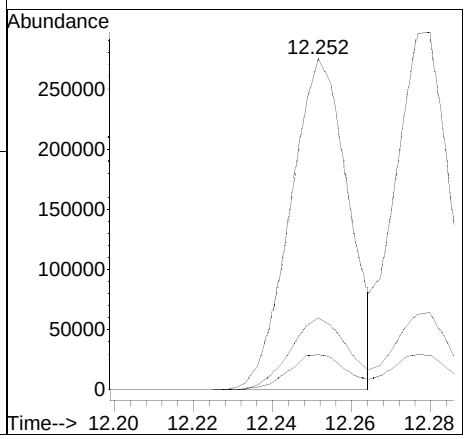


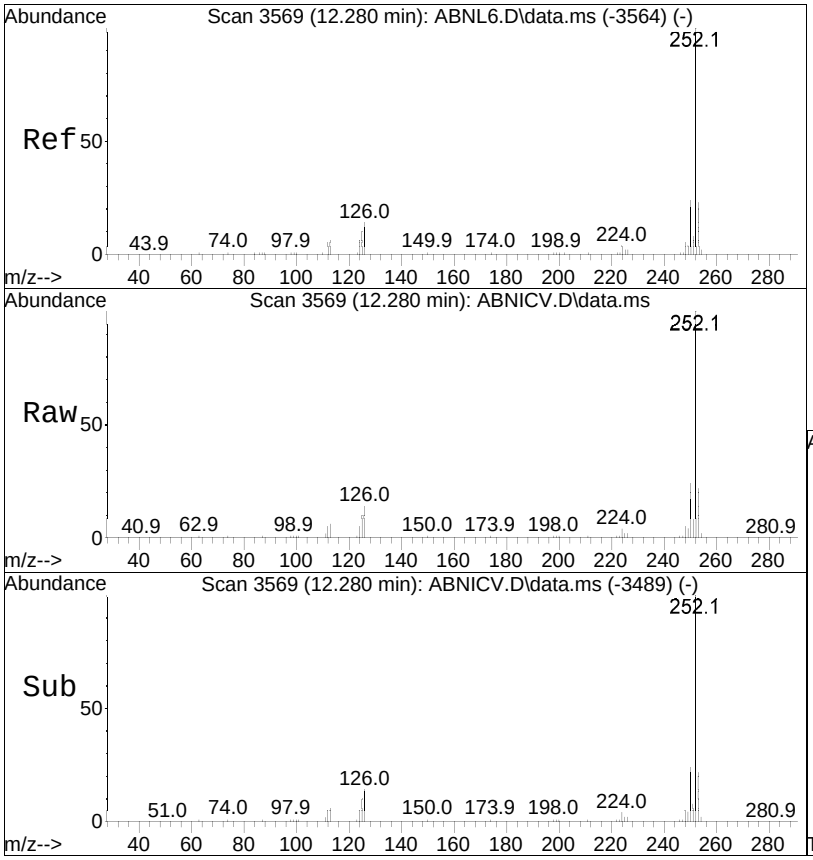


#112
Benzo(b)fluoranthene
Concen: 4.49 ug/ml
RT: 12.252 min Scan# 3560
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 282392

Ion	Ratio	Lower	Upper
252	100		
125	10.8	13.3	19.9#
253	21.6	17.1	25.7

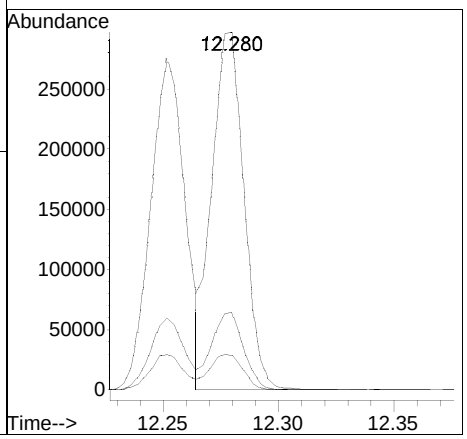


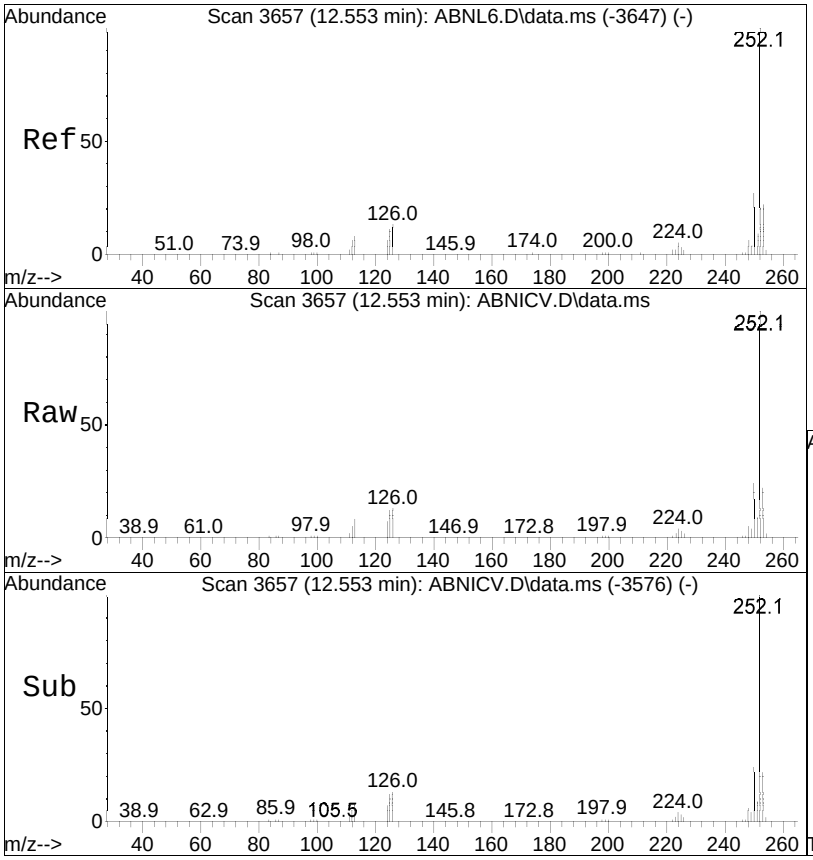


#113
Benzo(k)fluoranthene
Concen: 4.71 ug/ml
RT: 12.280 min Scan# 3569
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 288769

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	21.4	16.8	25.2

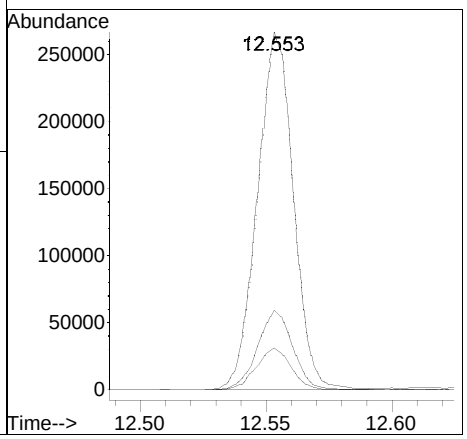


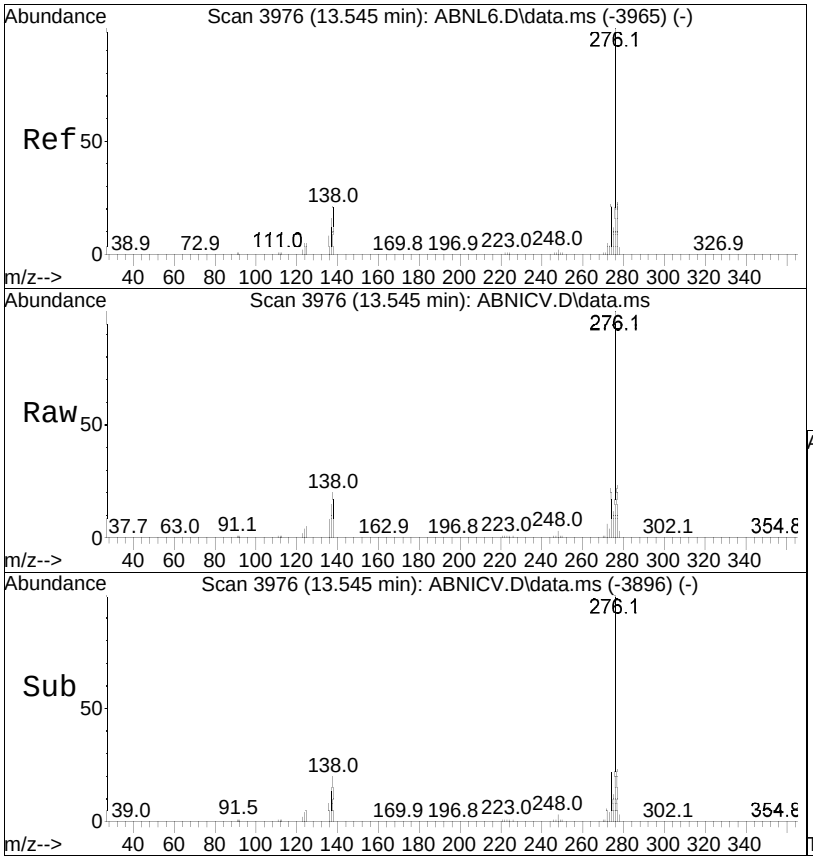


#114
Benzo(a)pyrene
Concen: 4.67 ug/ml
RT: 12.553 min Scan# 3657
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:252 Resp: 262323

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	21.9	16.9	25.3

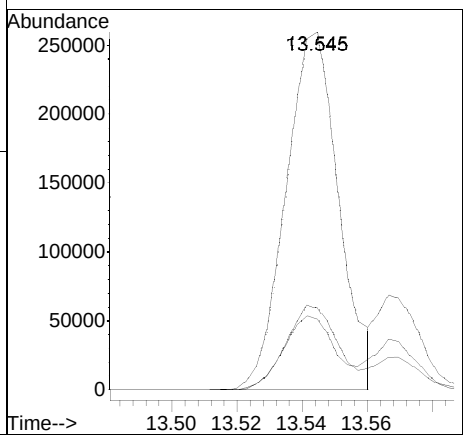


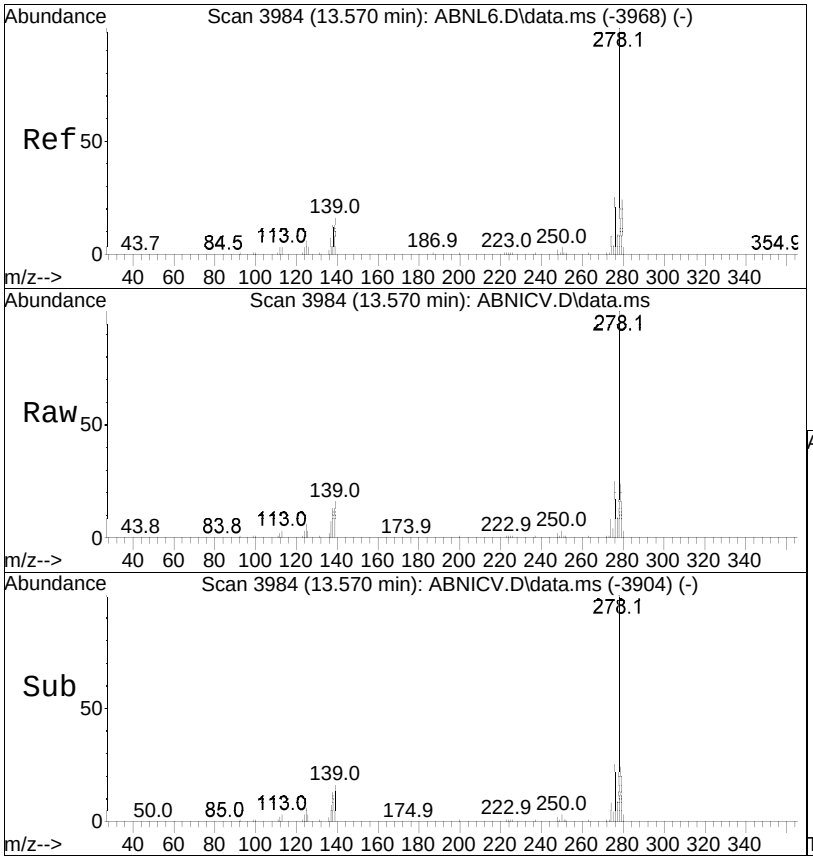


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.58 ug/mL
RT: 13.545 min Scan# 3976
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 292191

Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.1	37.7#
277	23.1	18.6	28.0

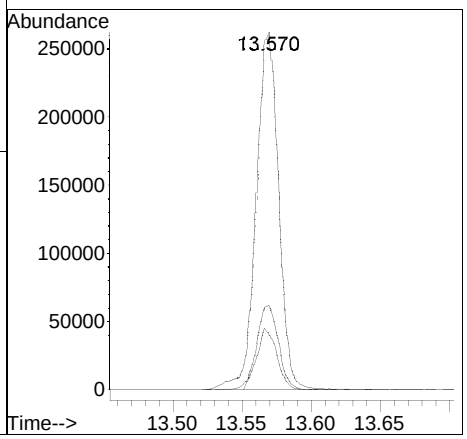


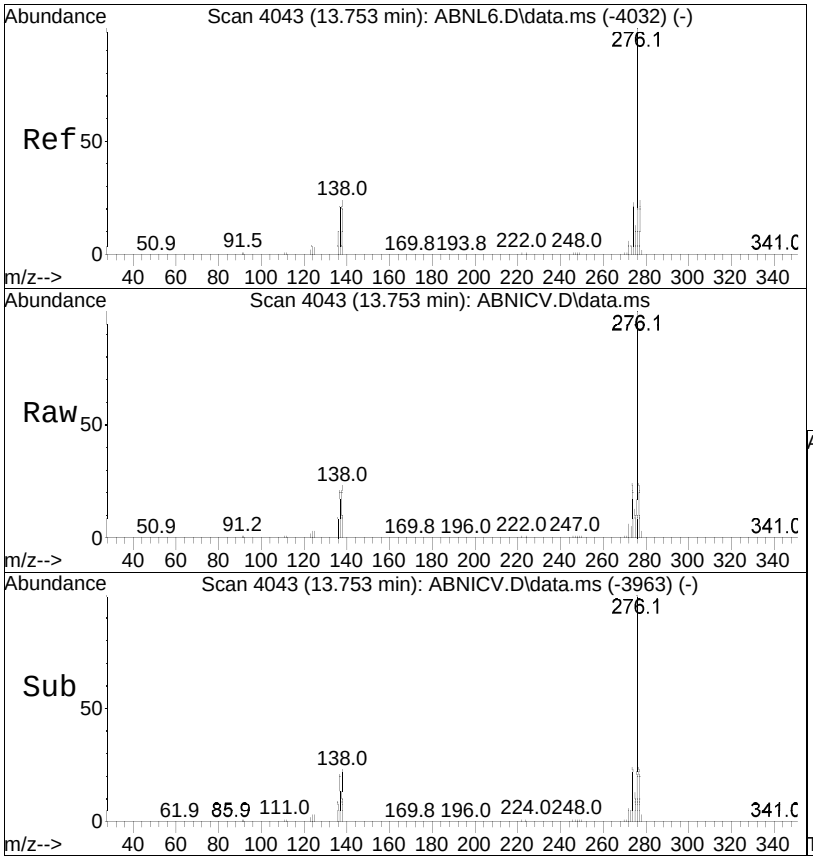


#117
Dibenzo(a,h)anthracene
Concen: 4.67 ug/ml
RT: 13.570 min Scan# 3984
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:278 Resp: 293099

Ion	Ratio	Lower	Upper
278	100		
139	15.6	20.8	31.2#
279	23.3	18.3	27.5

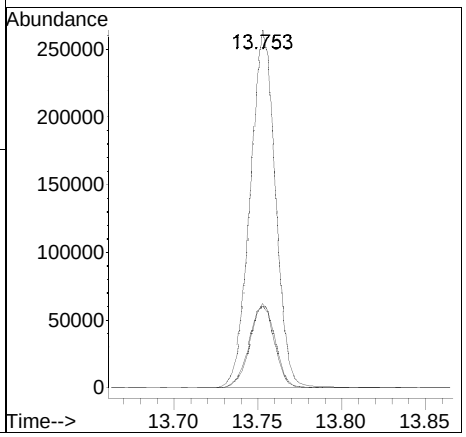




#118
Benzo(ghi)perylene
Concen: 4.45 ug/ml
RT: 13.753 min Scan# 4043
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Nov 2024 11:59 pm

Tgt Ion:276 Resp: 274527

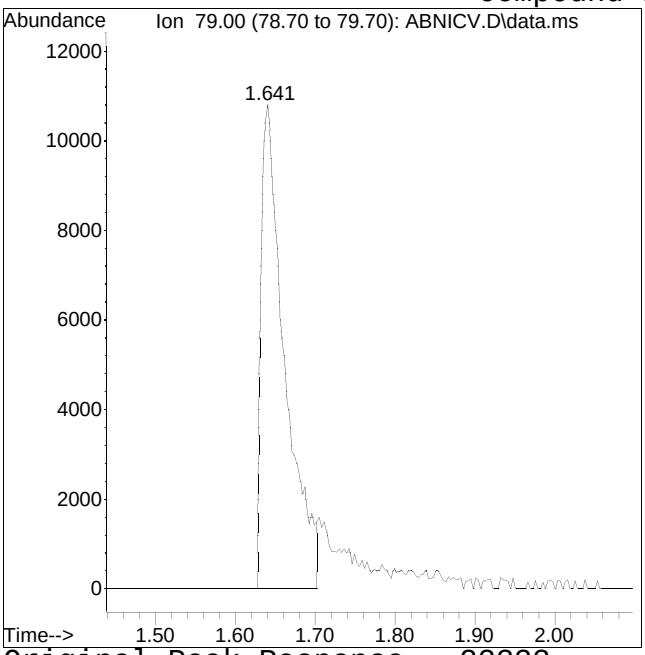
Ion	Ratio	Lower	Upper
276	100		
138	23.4	29.2	43.8#
277	23.6	18.8	28.2



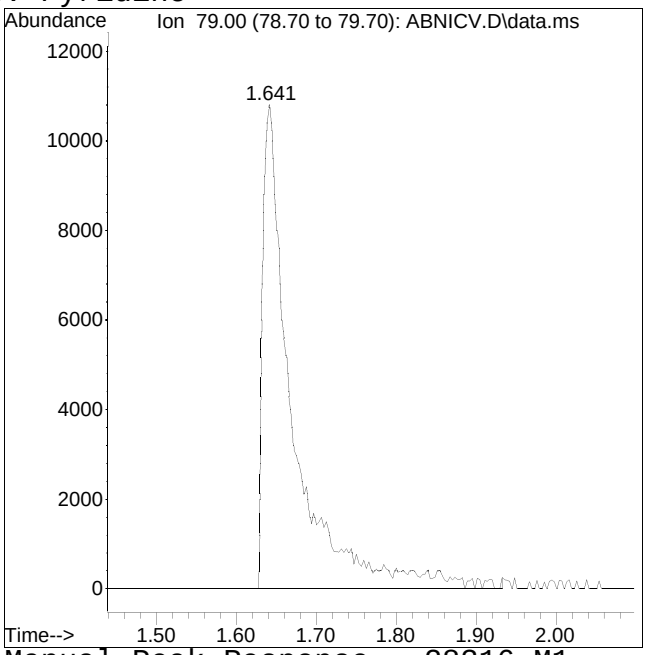
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ABNICV.D
Date Inj'd : 11/5/2024 11:59 pm
Sample : CQICV1,32,,ABNICV Lot# 111
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/11/2024 3:35 pm

Compound #3: Pyridine



Original Peak Response = 22333



Manual Peak Response = 28316 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
28	T	Benzaldehyde	0.703	0.766	-9.0	102	0.00
29	T	Acetophenone	1.403	1.539	-9.7	107	0.00
30	T	m-Toluidine	1.287	1.347	-4.7	103	0.00
31	T	2-Chloroaniline	1.368	1.507	-10.2	107	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	105	0.00
58	T	a-Terpineol	0.221	0.239	-8.1	107	0.00
59	T	3-Chloroaniline	0.115	0.123	-7.0	103	0.00
60	T	2,6-Dichlorophenol	0.296	0.316	-6.8	104	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.122	-8.0	102	0.00
62	T	Caprolactam	0.123	0.131	-6.5	109	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.446	-8.0	108	0.00
64	T	Biphenyl	0.842	0.904	-7.4	106	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	103	0.00
86	T	Dichloran	0.169	0.181	-7.1	112	0.00
87	T	Pentachloronitrobenzene	0.187	0.195	-4.3	111	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
101	T	Diphenamid	0.416	0.467	-12.3	110	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.282	152	28764	4.000	ug/ml	0.00
Standard Area 1 = 28342			Recovery =	101.49%		
57) IS2_Naphthalene-d8	5.519	136	103898	4.000	ug/ml	0.00
Standard Area 1 = 98544			Recovery =	105.43%		
85) IS2_Acenaphthene-d10	7.210	164	66081	4.000	ug/ml	0.00
Standard Area 1 = 64361			Recovery =	102.67%		
100) IS2_Phenanthrene-d10	8.621	188	145261	4.000	ug/ml	0.00
Standard Area 1 = 142493			Recovery =	101.94%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.847	105	27551	5.446	ug/ml	95
29) Acetophenone	4.693	105	55323	5.482	ug/ml#	80
30) m-Toluidine	4.780	106	48432	5.234	ug/ml	94
31) 2-Chloroaniline	5.134	127	54178	5.507	ug/ml#	90
58) a-Terpineol	5.588	59	30996	5.390	ug/ml#	78
59) 3-Chloroaniline	5.600	65	15940	5.355	ug/ml	85
60) 2,6-Dichlorophenol	5.625	162	41042	5.346	ug/ml#	83
61) 1-chloro-2-nitrobenzene	5.877	111	15818	5.368	ug/ml#	1
62) Caprolactam	5.914	55	17075	5.349	ug/ml#	71
63) 1,2,4,5-Tetrachloroben...	6.387	216	57983	5.406	ug/ml#	94
64) Biphenyl	6.679	154	117373	5.369	ug/ml	97
86) Dichloran	8.332	206	14931	5.349	ug/ml#	56
87) Pentachloronitrobenzene	8.478	237	16109	5.227	ug/ml#	75
101) Diphenamid	9.535	167	84796	5.614	ug/ml#	75

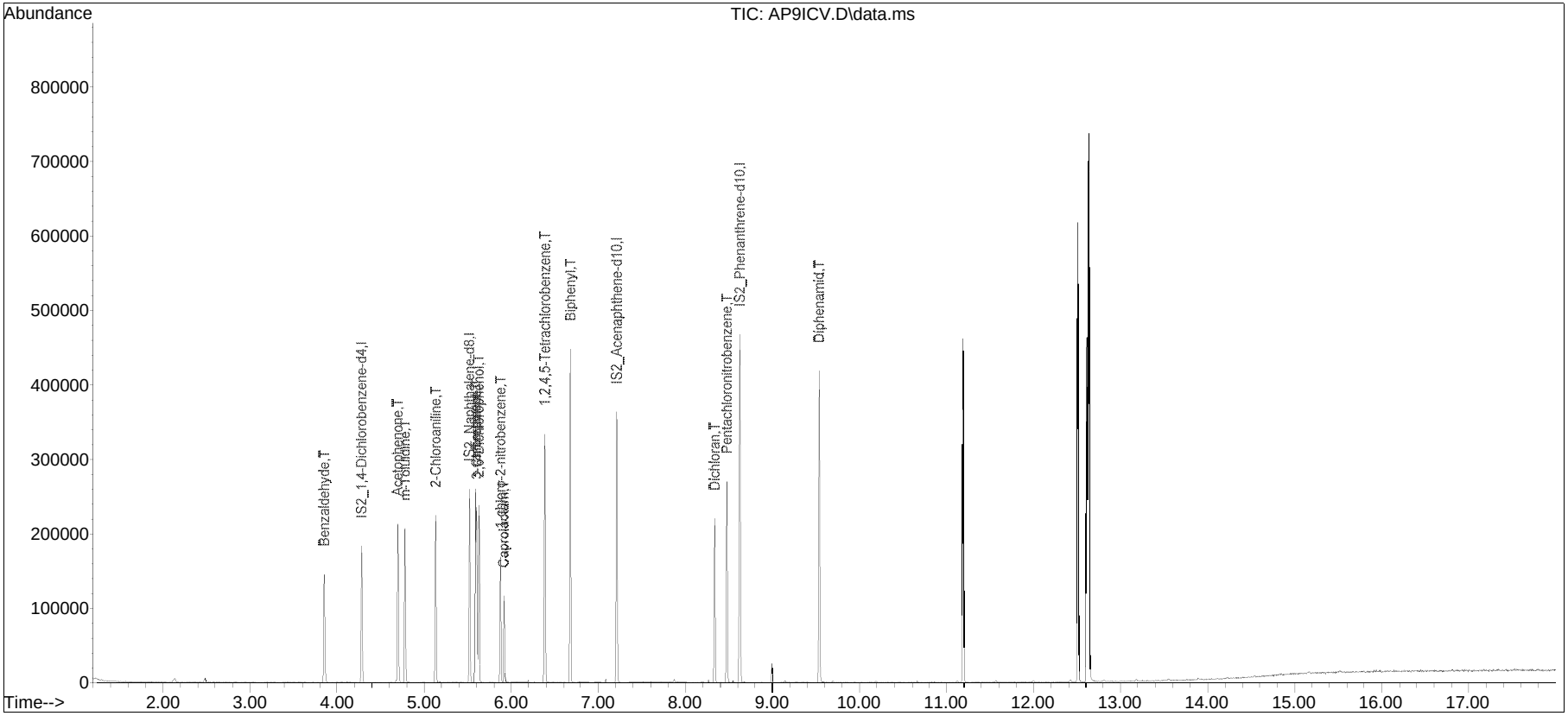
(#) = qualifier out of range (m) = manual integration (+) = signals summed

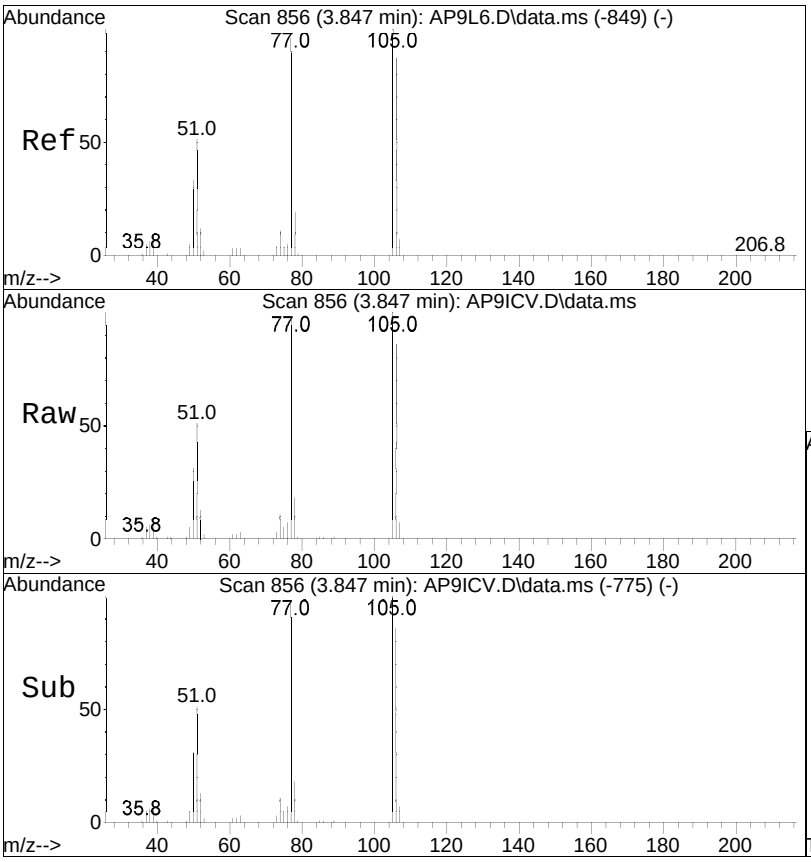
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : AP9ICV.D
Acq On : 6 Nov 2024 12:23 am
Operator : Dakota:HNY
Sample : CQICV2,32,,AP9ICV Lot# 11139
Misc : WG1994500
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 06 10:19:36 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 10:13:33 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistVTICAL\AP9L6.D•

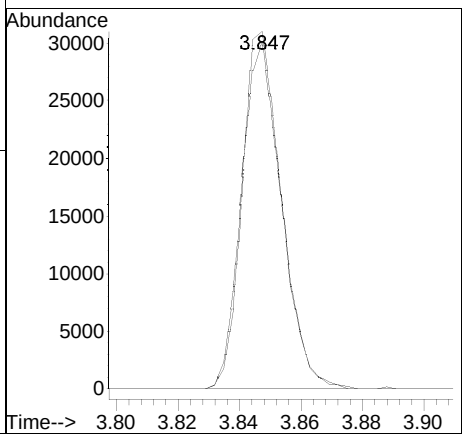


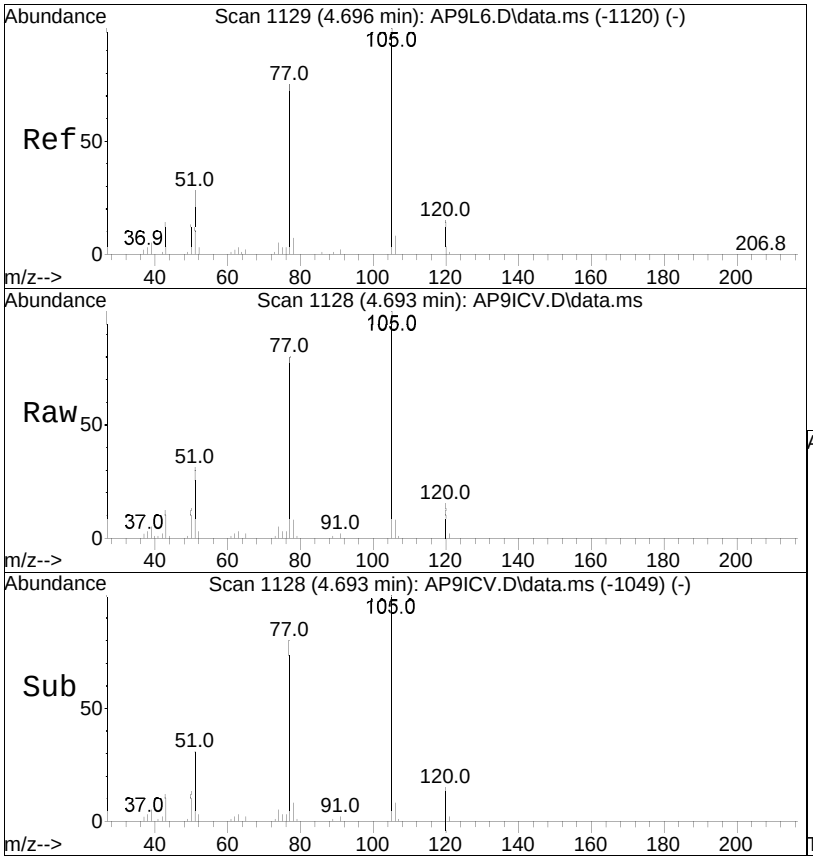


#28
Benzaldehyde
Concen: 5.45 ug/ml
RT: 3.847 min Scan# 856
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 27551

Ion	Ratio	Lower	Upper
105	100		
77	98.2	82.2	123.4

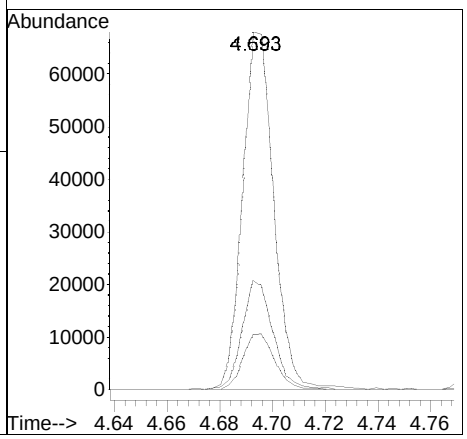


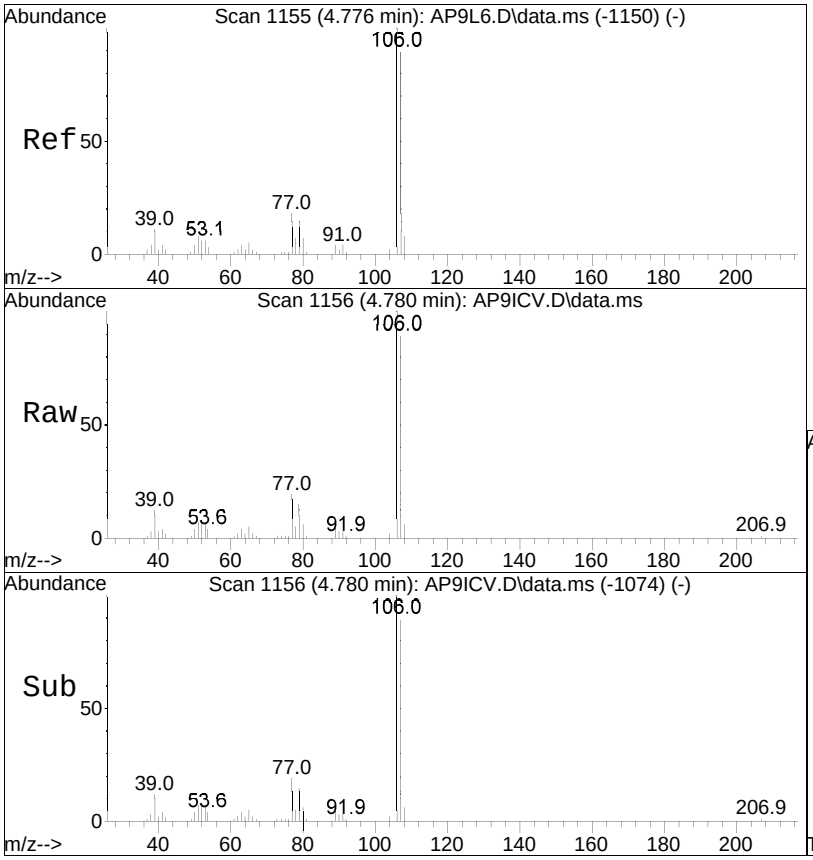


#29
Acetophenone
Concen: 5.48 ug/ml
RT: 4.693 min Scan# 1128
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:105 Resp: 55323

Ion	Ratio	Lower	Upper
105	100		
120	15.8	20.5	30.7#
51	30.2	34.9	52.3#

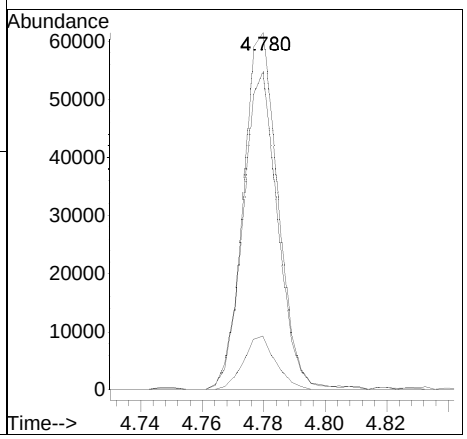


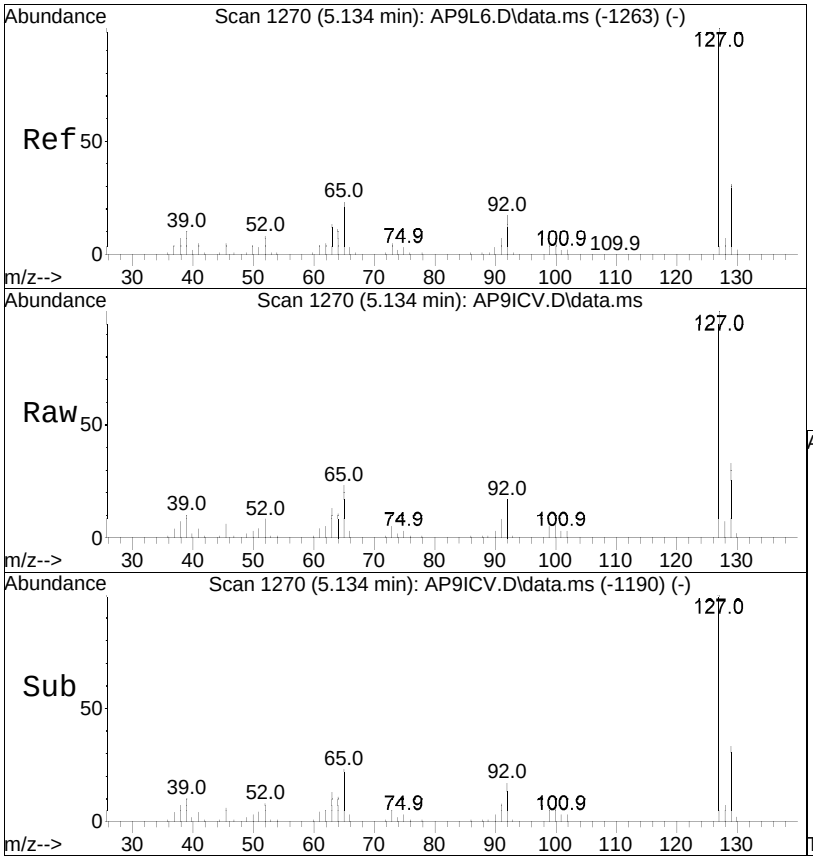


#30
m-Toluidine
Concen: 5.23 ug/ml
RT: 4.780 min Scan# 1156
Delta R.T. 0.004 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:106 Resp: 48432

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	13.8	11.8	17.8

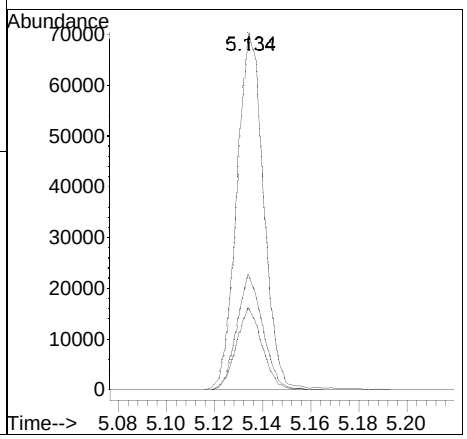


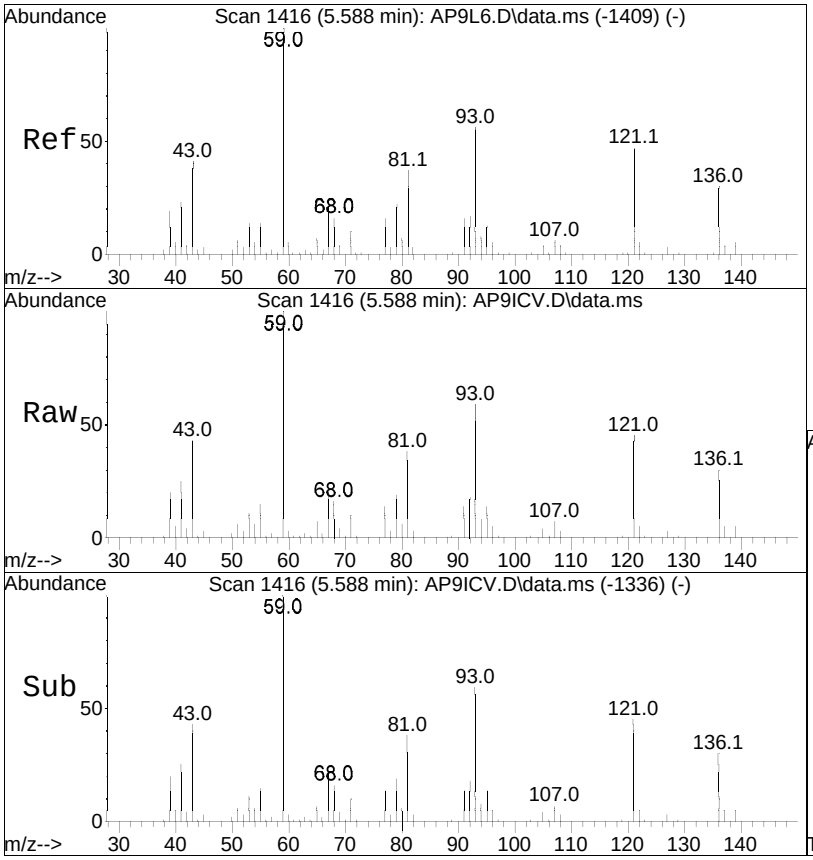


#31
2-Chloroaniline
Concen: 5.51 ug/ml
RT: 5.134 min Scan# 1270
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:127 Resp: 54178

Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.9	38.9
65	22.2	26.3	39.5#

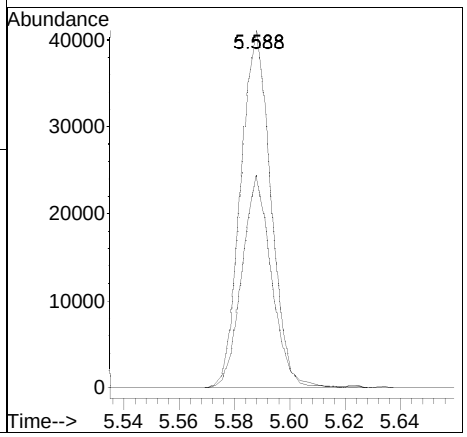


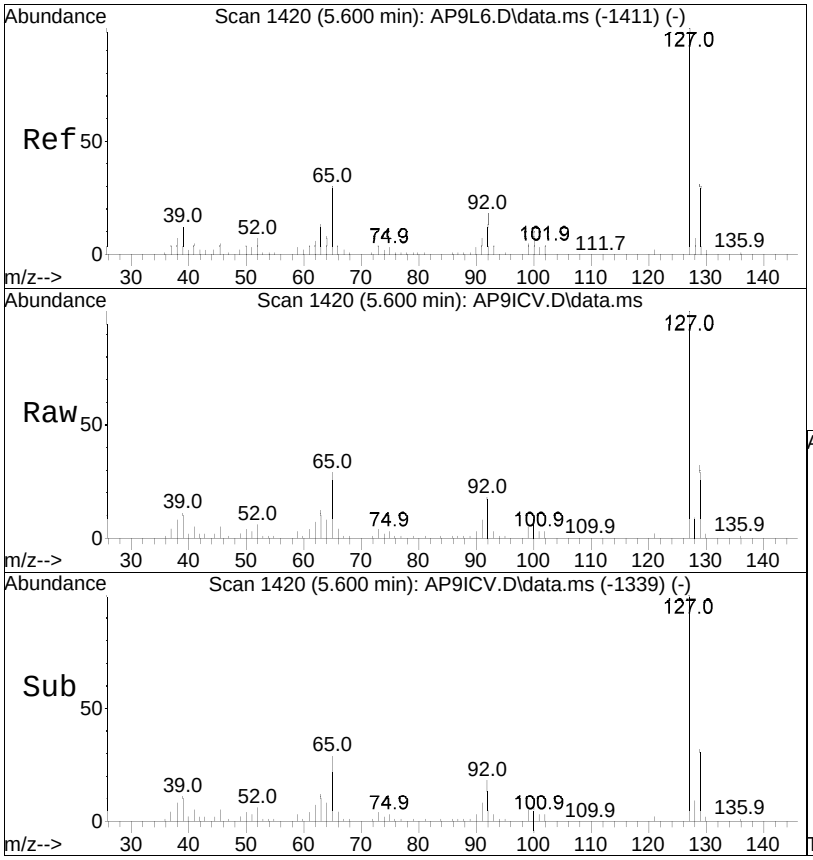


#58
a-Terpineol
Concen: 5.39 ug/ml
RT: 5.588 min Scan# 1416
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 59 Resp: 30996

Ion	Ratio	Lower	Upper
59	100		
93	58.9	35.6	53.4#

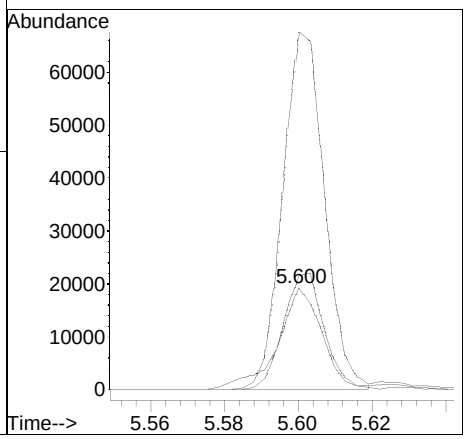


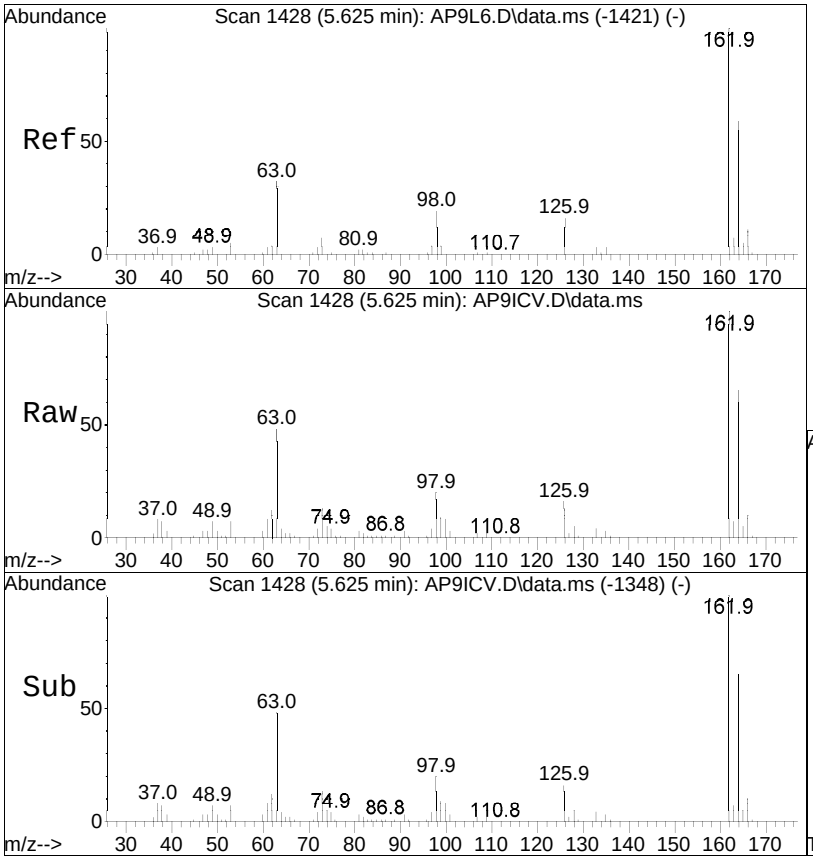


#59
3-Chloroaniline
Concen: 5.36 ug/ml
RT: 5.600 min Scan# 1420
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 65 Resp: 15940

Ion	Ratio	Lower	Upper
65	100		
127	337.6	243.2	364.8
129	105.3	78.8	118.2

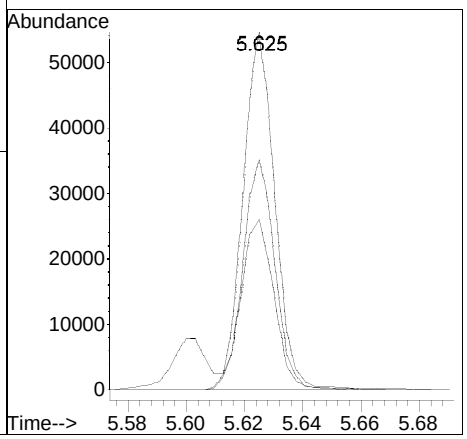


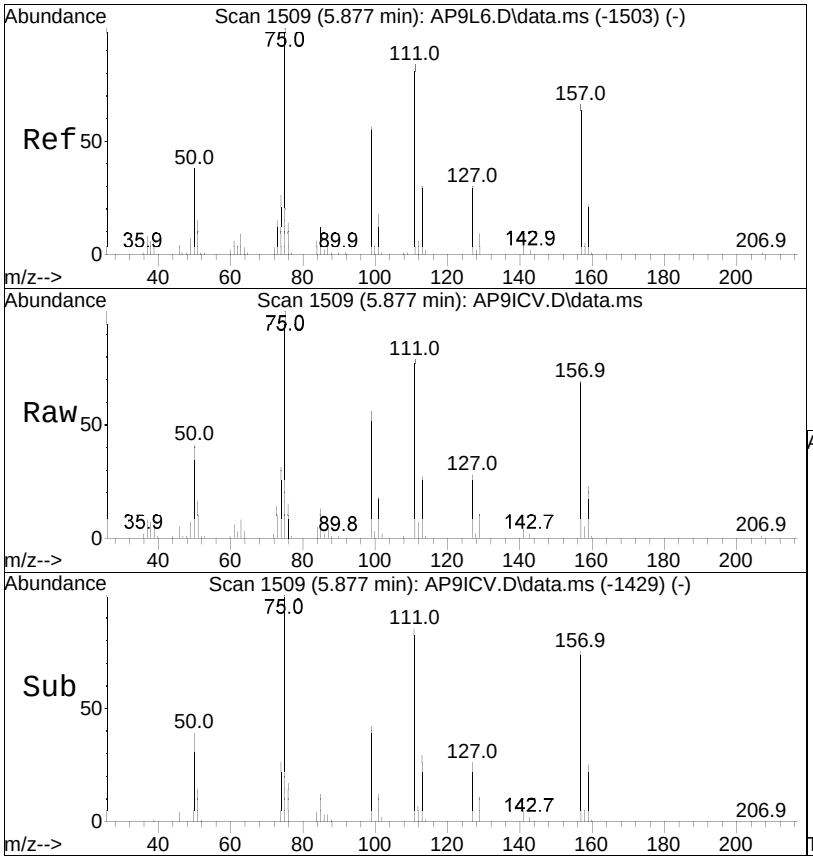


#60
2,6-Dichlorophenol
Concen: 5.35 ug/ml
RT: 5.625 min Scan# 1428
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:162 Resp: 41042

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	49.9	60.8	91.2#

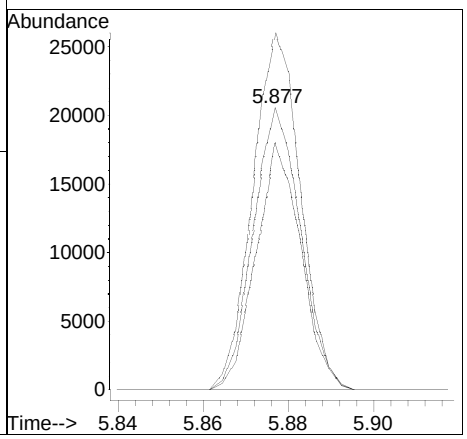


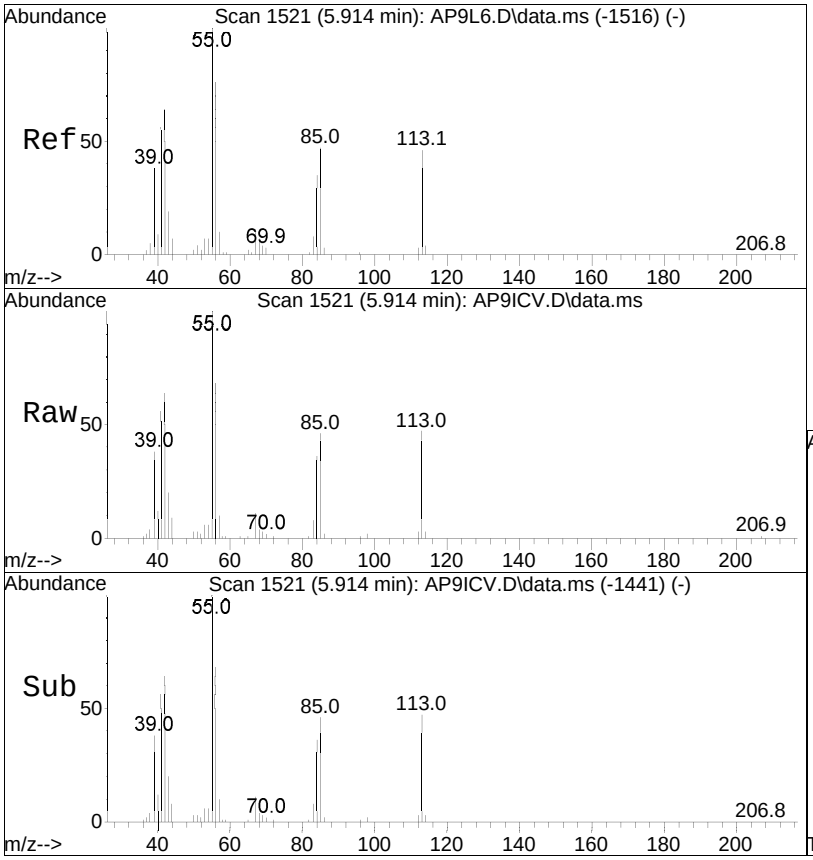


#61
1-chloro-2-nitrobenzene
Concen: 5.37 ug/ml
RT: 5.877 min Scan# 1509
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:111 Resp: 15818

Ion	Ratio	Lower	Upper
111	100		
157	83.1	0.0	0.0#
75	127.9	28.2	42.2#

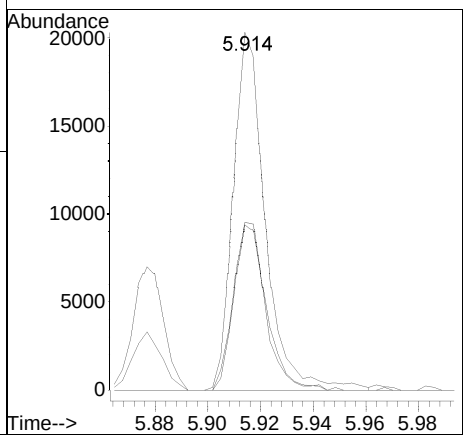


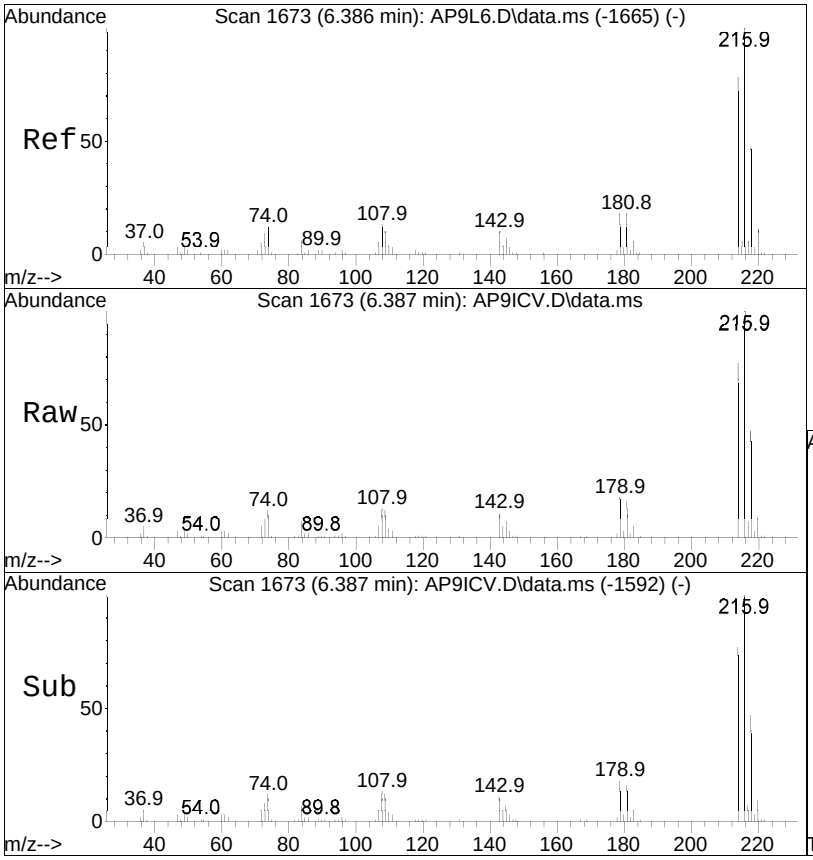


#62
Caprolactam
Concen: 5.35 ug/ml
RT: 5.914 min Scan# 1521
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion: 55 Resp: 17075

Ion	Ratio	Lower	Upper
55	100		
85	45.5	19.8	29.6#
113	48.9	29.6	44.4#

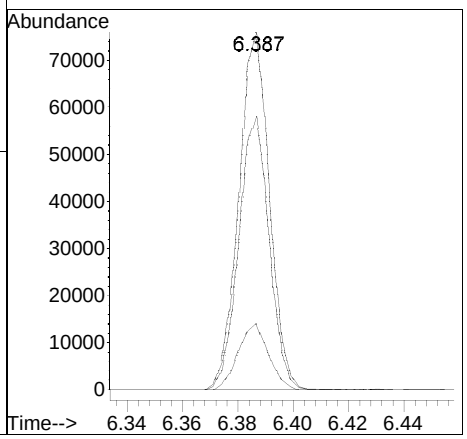


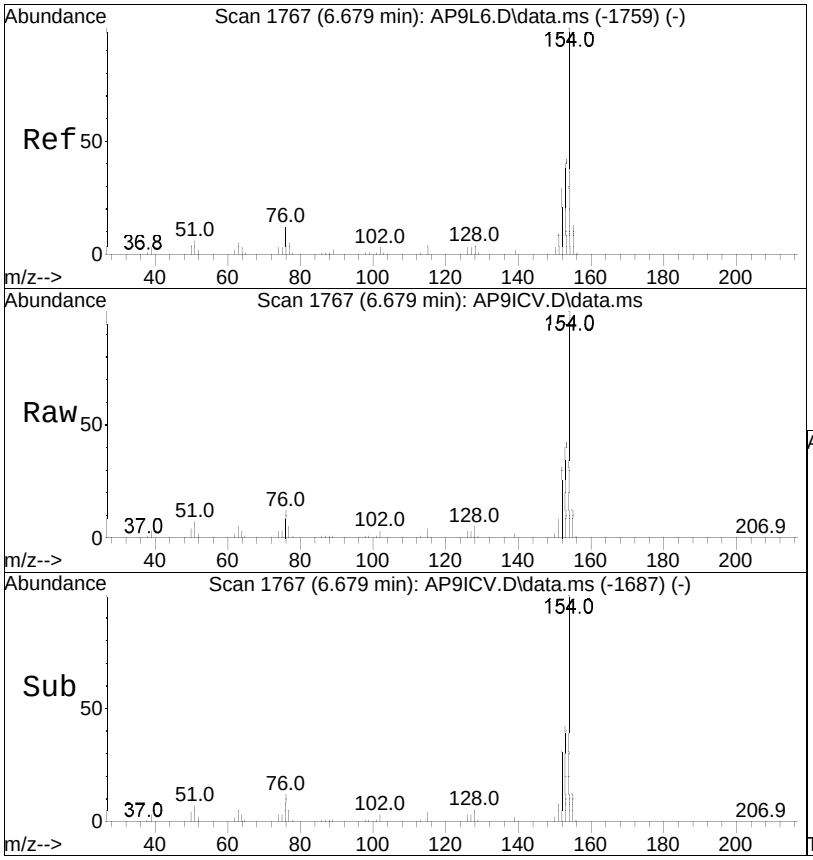


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.41 ug/ml
RT: 6.387 min Scan# 1673
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:216 Resp: 57983

Ion	Ratio	Lower	Upper
216	100		
214	75.8	63.7	95.5
179	18.4	19.0	28.6#

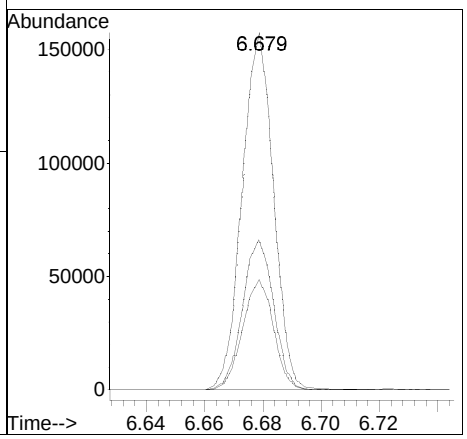


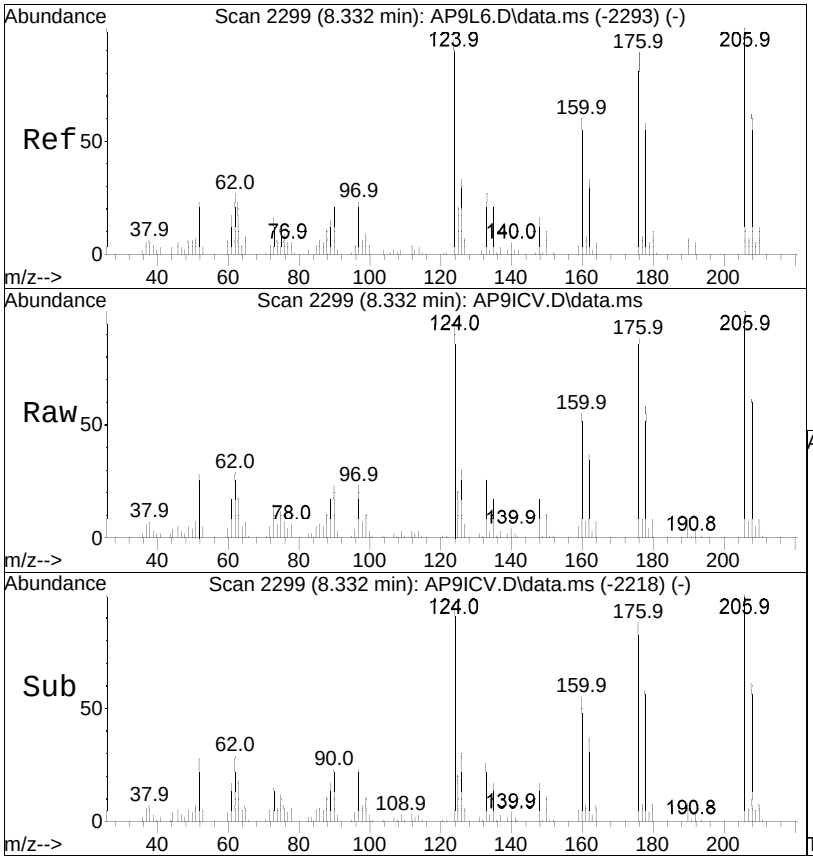


#64
Biphenyl
Concen: 5.37 ug/ml
RT: 6.679 min Scan# 1767
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:154 Resp: 117373

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	30.6	22.5	33.7

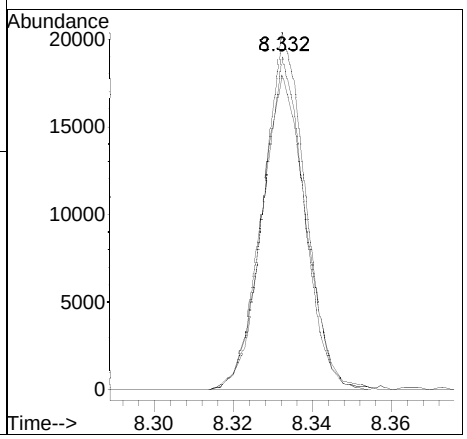


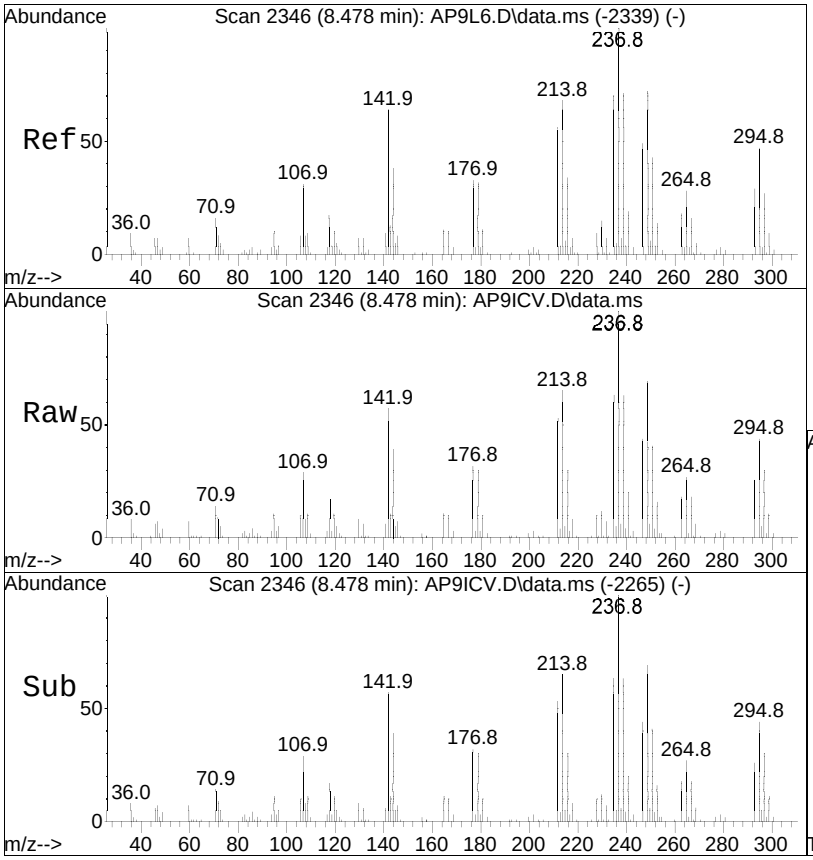


#86
Dichloran
Concen: 5.35 ug/ml
RT: 8.332 min Scan# 2299
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:206 Resp: 14931

Ion	Ratio	Lower	Upper
206	100		
176	92.1	104.6	157.0#
124	93.6	130.5	195.7#

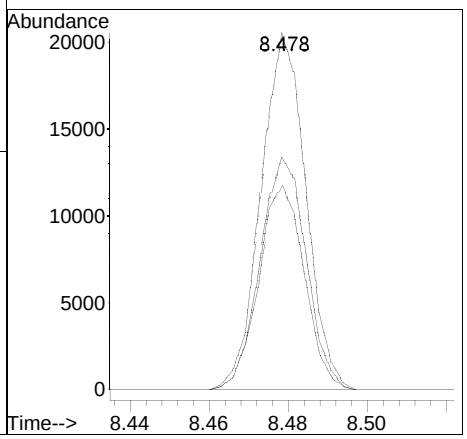


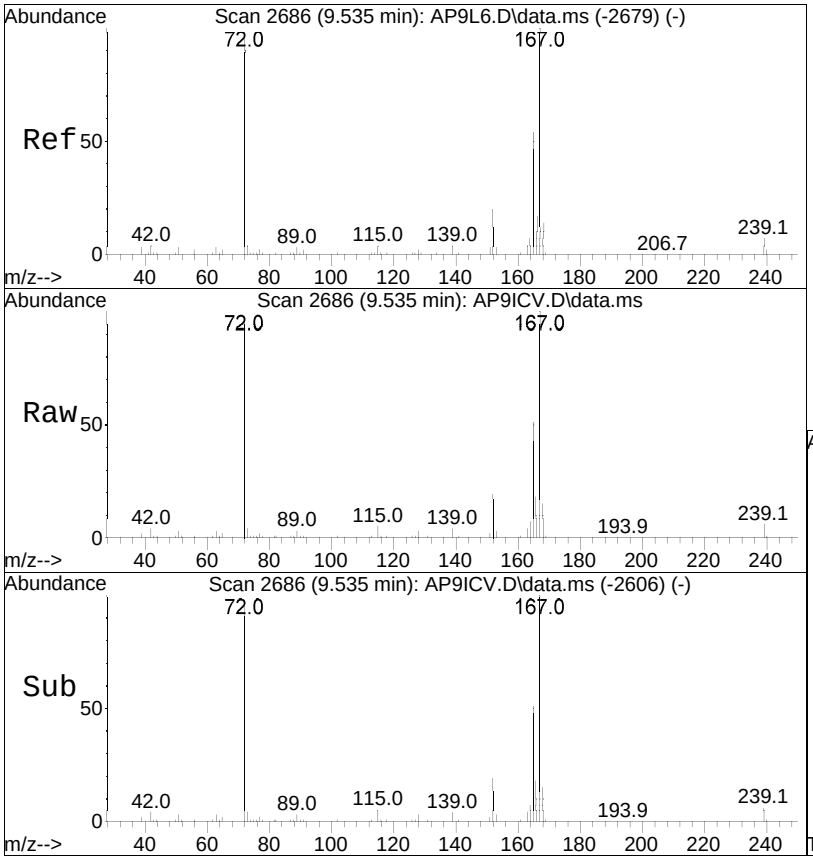


#87
Pentachloronitrobenzene
Concen: 5.23 ug/ml
RT: 8.478 min Scan# 2346
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:237 Resp: 16109

Ion	Ratio	Lower	Upper
237	100		
142	58.5	77.0	115.4#
214	67.2	58.2	87.4

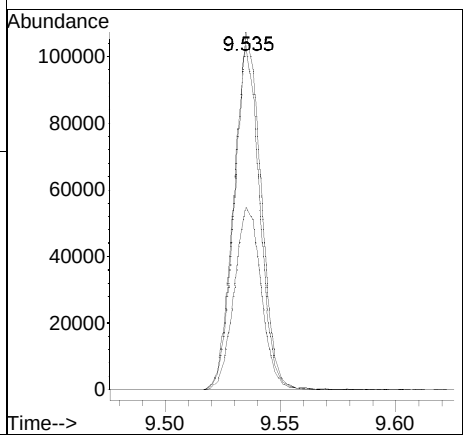




#101
Diphenamid
Concen: 5.61 ug/ml
RT: 9.535 min Scan# 2686
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 6 Nov 2024 12:23 am

Tgt Ion:167 Resp: 84796

Ion	Ratio	Lower	Upper
167	100		
72	95.3	109.7	164.5#
165	52.6	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 12:23 am	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 111	Quant Date	: 11/6/2024 10:19 am

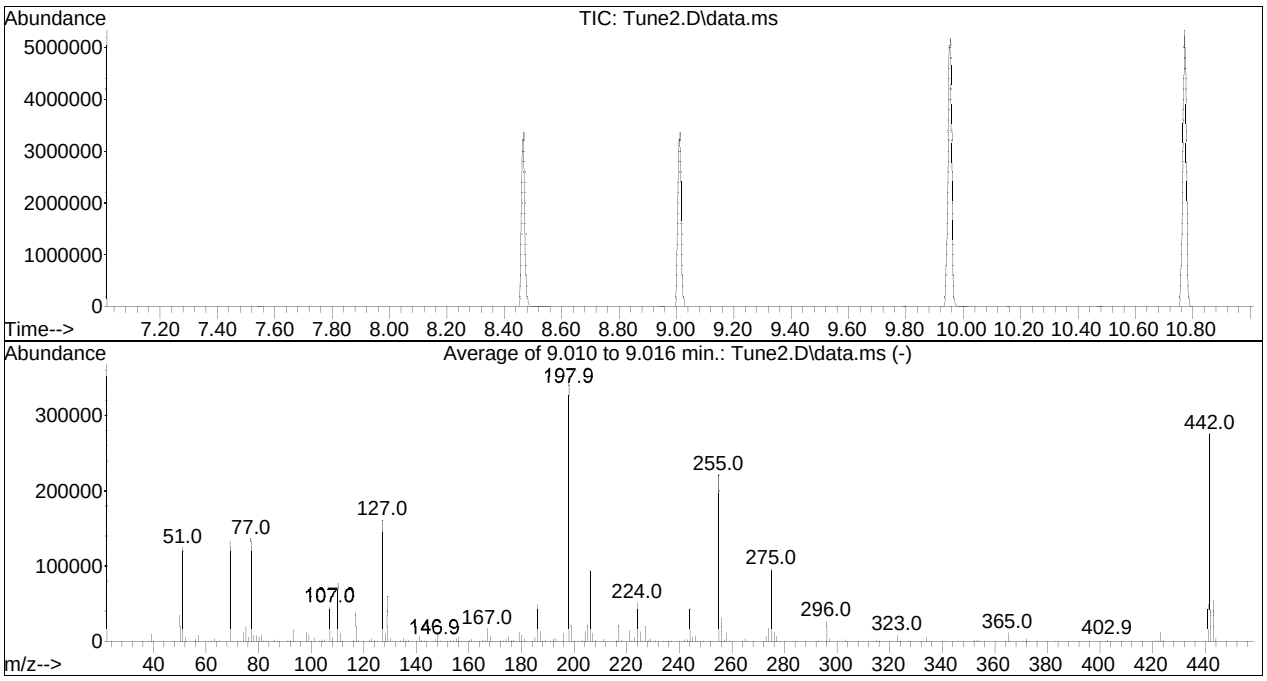
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024



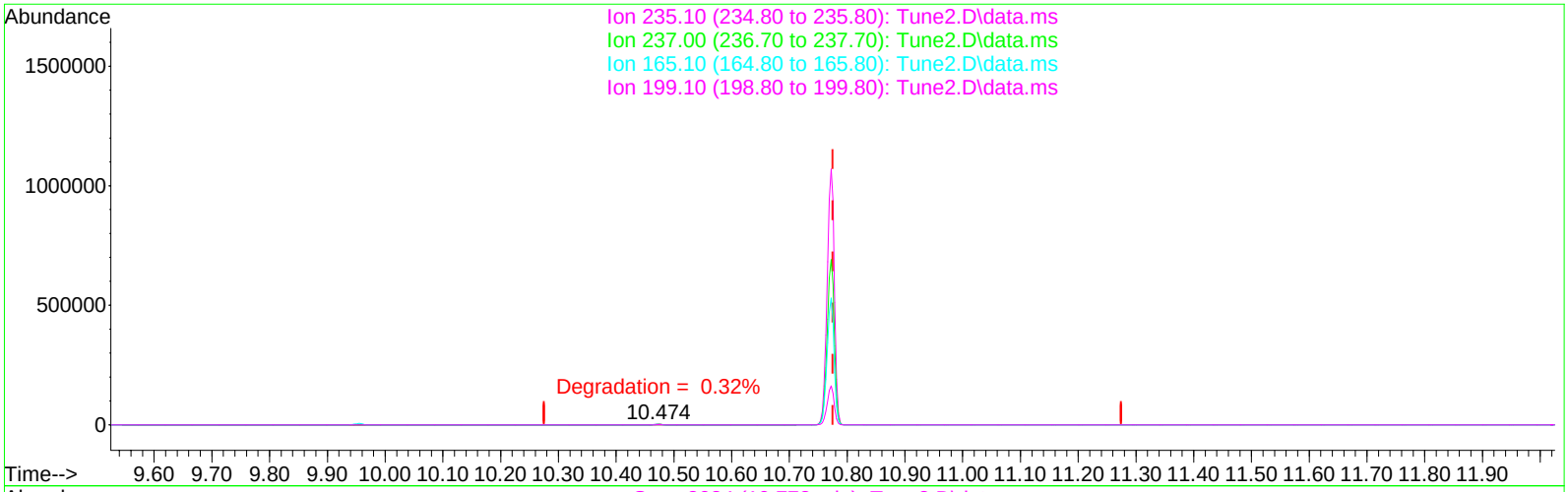
Spectrum Information: Average of 9.010 to 9.016 min.

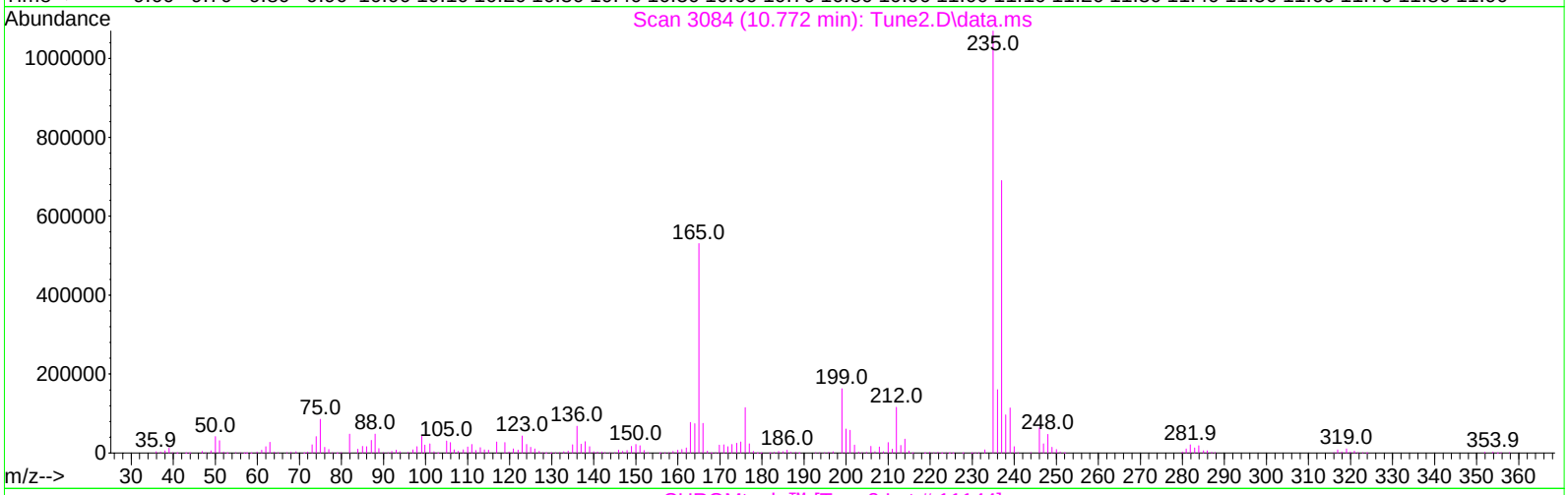
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.4	124264	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132925	PASS
70	69	0.00	2	0.6	743	PASS
127	198	10	80	45.9	160797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	350613	PASS
199	198	5	9	6.6	23221	PASS
275	198	10	60	27.4	95952	PASS
365	198	1	100	3.3	11616	PASS
441	442	0.01	24	17.8	49075	PASS
442	198	50	100	78.8	276117	PASS
443	442	15	24	19.8	54664	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(6) DDT (T)

10.772min (-0.003) 153.25

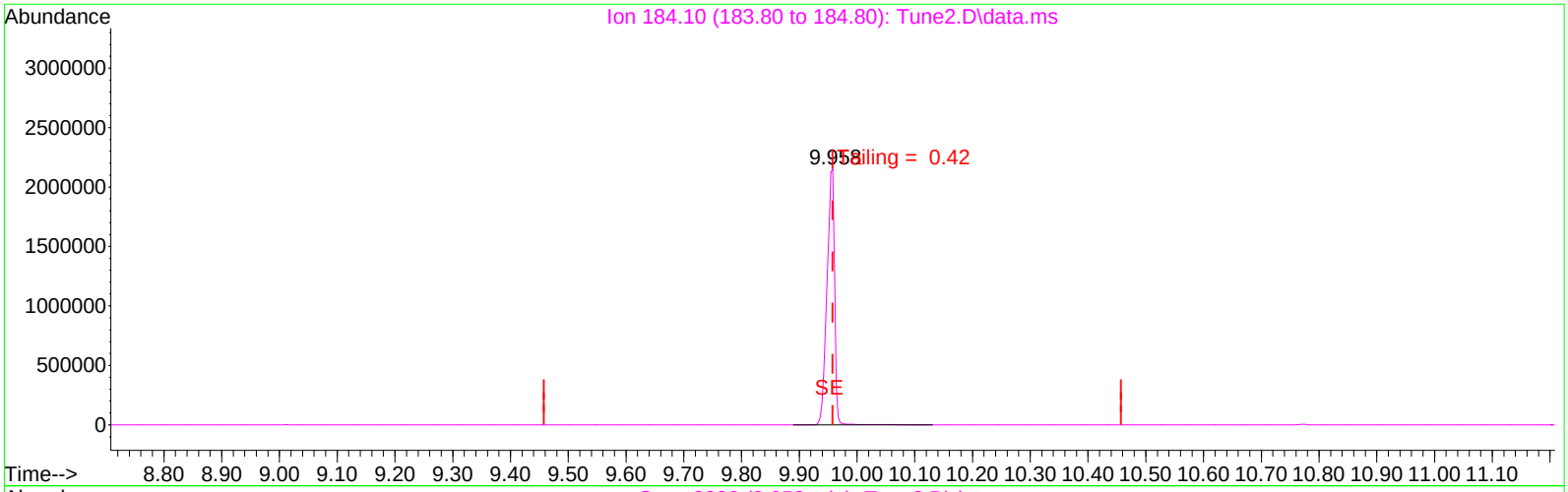
response 934167

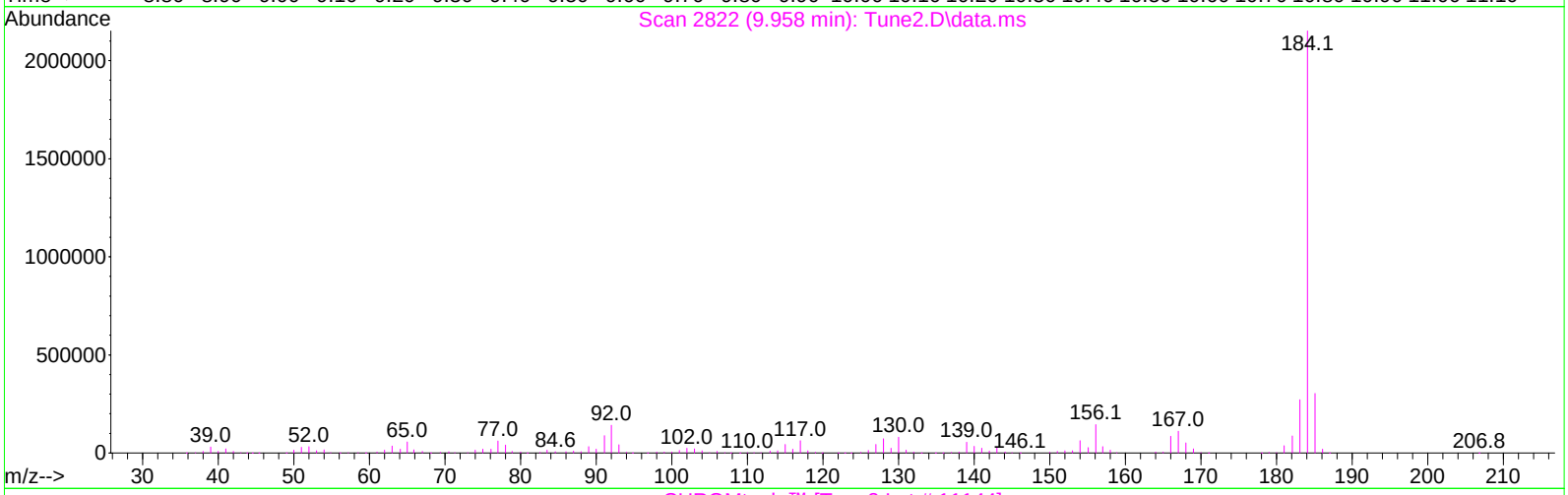
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.21
165.10	48.70	47.94
199.10	15.80	14.64

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(3) Benzidine (T)

9.958min (-0.000) 193.14

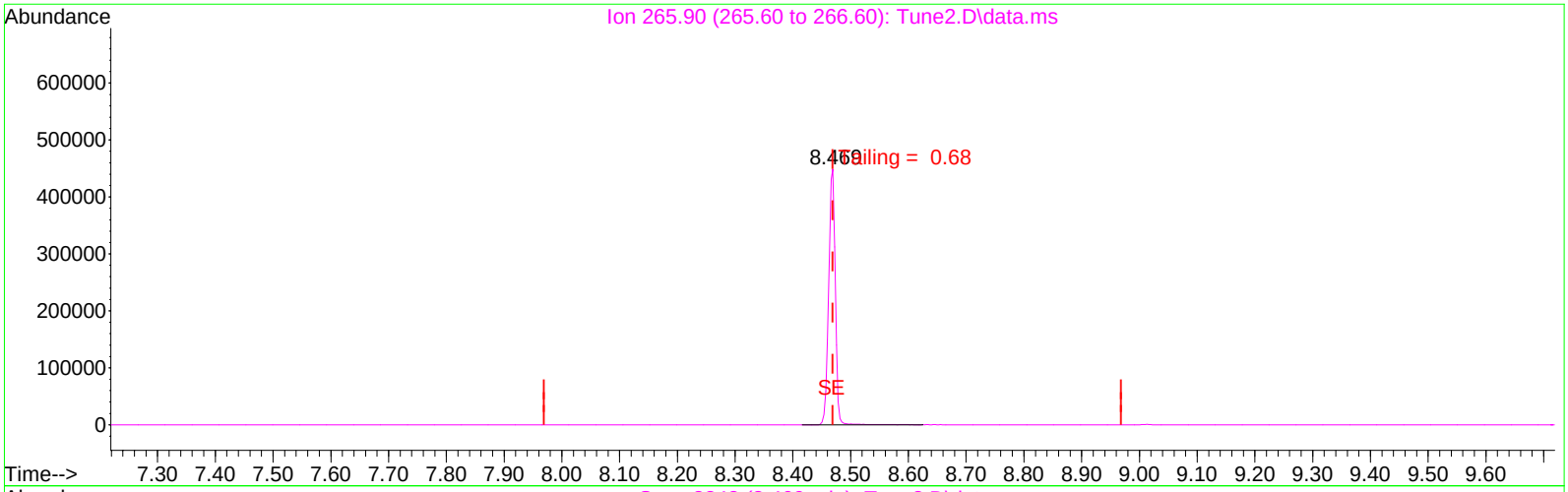
response 1966199

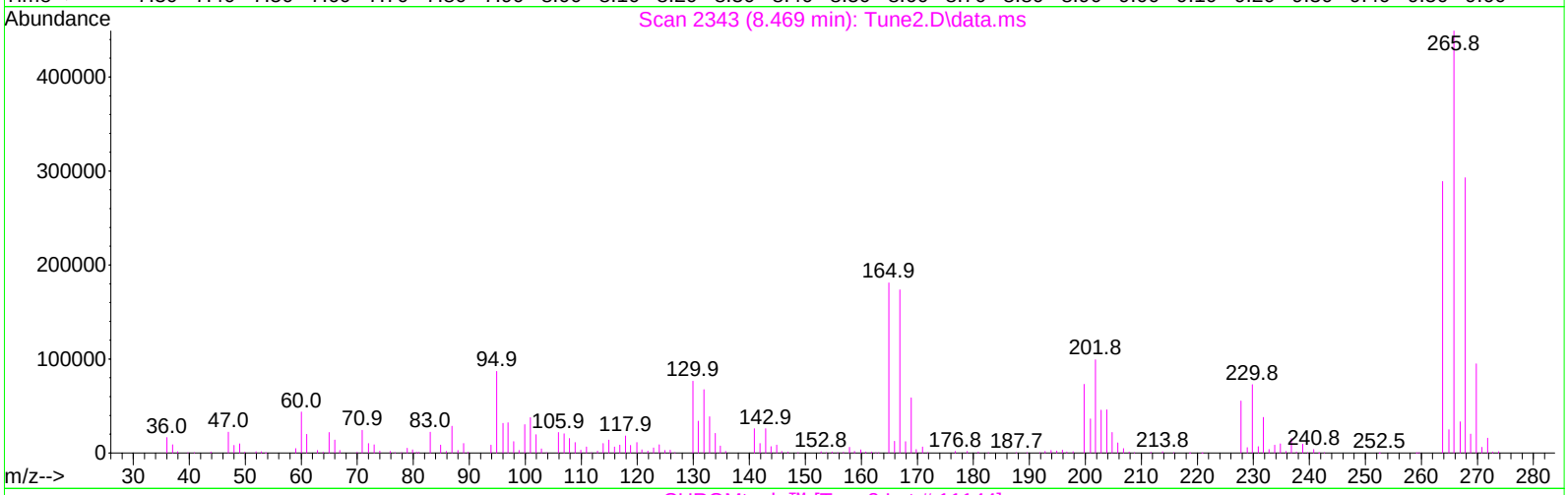
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : Tune2.D
Acq On : 6 Nov 2024 12:46 am
Operator : Dakota:HNY
Sample : Tune2 Lot # 11144
Misc : WG1994500
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Nov 06 05:42:03 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Nov 01 13:11:54 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot # 11144]

(1) Pentachlorophenol (T)

8.469min (+ 0.000) 171.00

response 359167

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	28999	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	107.27%		
88) IS3_Acenaphthene-d10	7.210	164	65804	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	108.67%		
102) IS3_Phenanthrene-d10	8.622	188	145427	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	108.63%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.392	88	141959	49.972	ug/ml#	86
34) n-Nitrosodiethylamine	3.204	102	152387	54.276	ug/ml#	58
35) n-Decane	4.186	57	401118	48.893	ug/ml#	31
36) n-Nitrosopyrrolidine	4.668	100	194528	56.865	ug/ml#	76
89) Atrazine	8.432	200	329261	44.732	ug/ml	91
103) n-Octadecane	8.637	57	671578	53.256	ug/ml#	1
104) Parathion	9.423	109	209761	74.031	ug/ml	95
105) 3,3'-Dimethylbenzidine	10.670	212	1582279	46.887	ug/ml	99

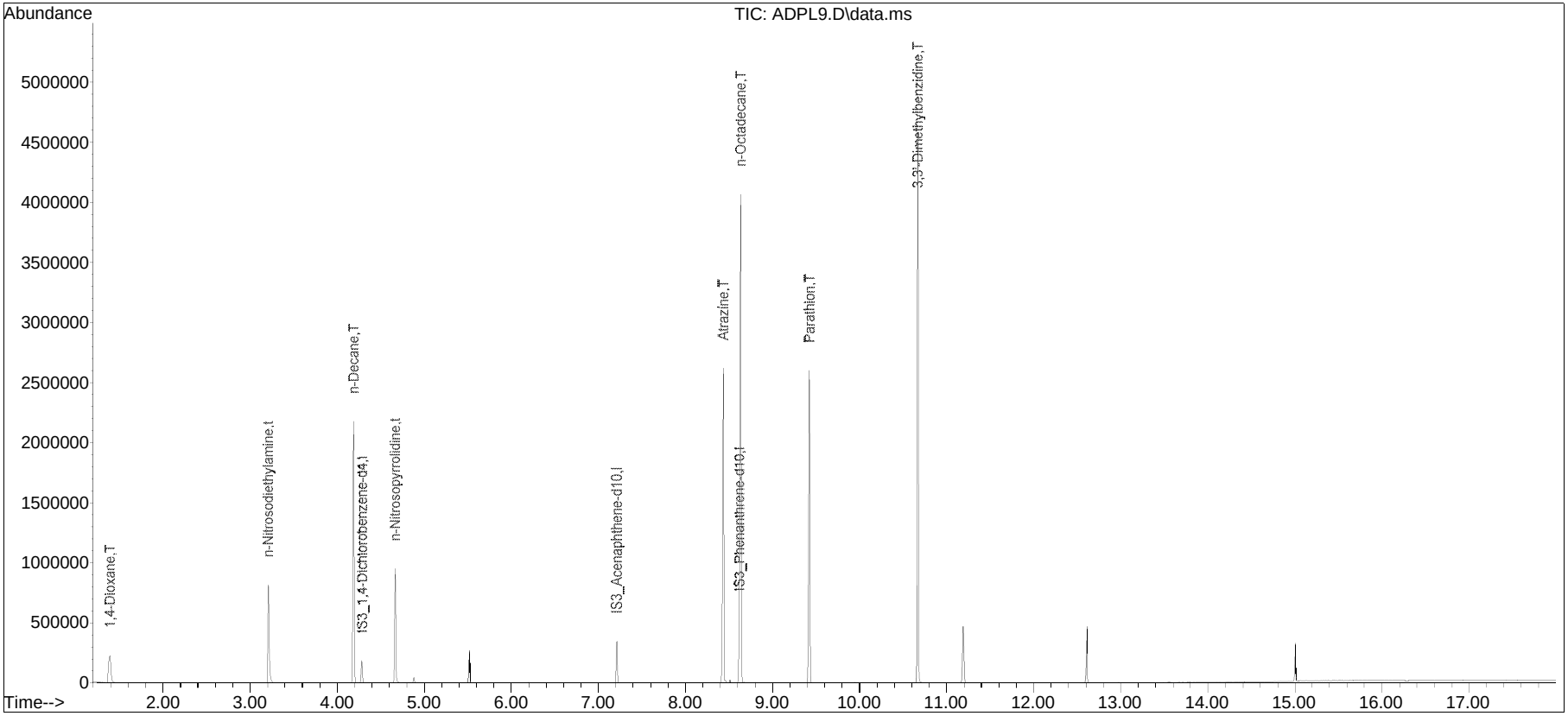
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL9.D
Acq On : 6 Nov 2024 1:10 am
Operator : Dakota:HNY
Sample : IL2,32,,ADPL50 Lot# 11129
Misc : WG1994500
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 06 09:33:16 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL9.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:10 am	Instrument	: Dakota
Sample	: IL2,32,,ADPL50 Lot# 11129	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29582	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	109.43%		
88) IS3_Acenaphthene-d10	7.210	164	67966	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.24%		
102) IS3_Phenanthrene-d10	8.624	188	154856	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.67%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	75610	26.091	ug/ml#	85
34) n-Nitrosodiethylamine	3.207	102	80879	28.239	ug/ml#	59
35) n-Decane	4.186	57	214035	25.575	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	101610	29.118	ug/ml#	75
89) Atrazine	8.429	200	170370	22.409	ug/ml	91
103) n-Octadecane	8.637	57	356815	26.572	ug/ml#	1
104) Parathion	9.423	109	102258	33.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.666	212	818111	22.767	ug/ml	99

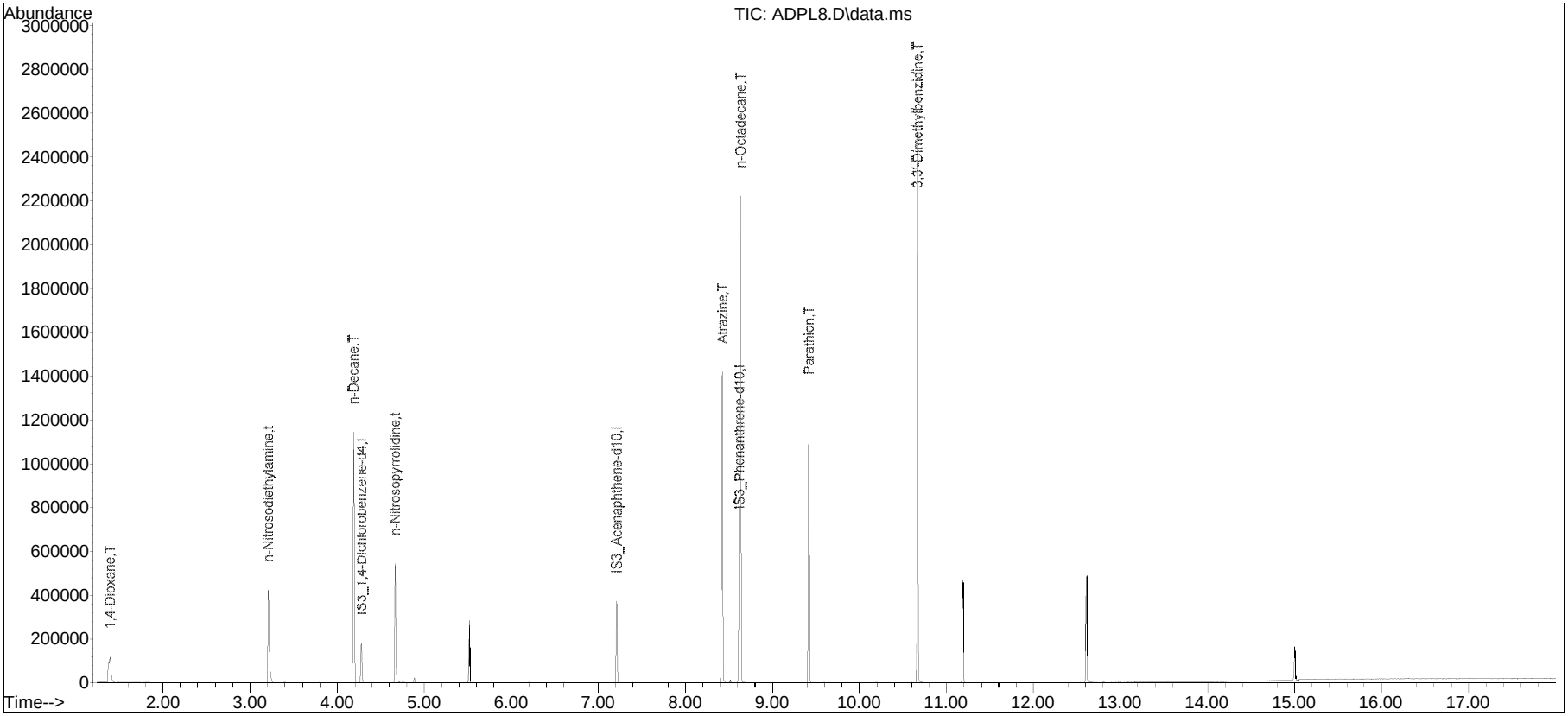
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL8.D
Acq On : 6 Nov 2024 1:33 am
Operator : Dakota:HNY
Sample : IL3,32,,ADPL25 Lot# 11130
Misc : WG1994500
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 06 09:32:37 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL8.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:33 am	Instrument	: Dakota
Sample	: IL3,32,,ADPL25 Lot# 11130	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	28322	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	104.76%		
88) IS3_Acenaphthene-d10	7.210	164	67913	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	112.15%		
102) IS3_Phenanthrene-d10	8.621	188	151398	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.09%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	28296	10.199	ug/ml#	85
34) n-Nitrosodiethylamine	3.213	102	29305	10.687	ug/ml#	59
35) n-Decane	4.186	57	76941	9.603	ug/ml#	29
36) n-Nitrosopyrrolidine	4.665	100	36910	11.048	ug/ml#	74
89) Atrazine	8.422	200	59430	7.823	ug/ml	91
103) n-Octadecane	8.634	57	131320	10.003	ug/ml#	1
104) Parathion	9.420	109	32544	11.033	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.663	212	277721	7.905	ug/ml	99

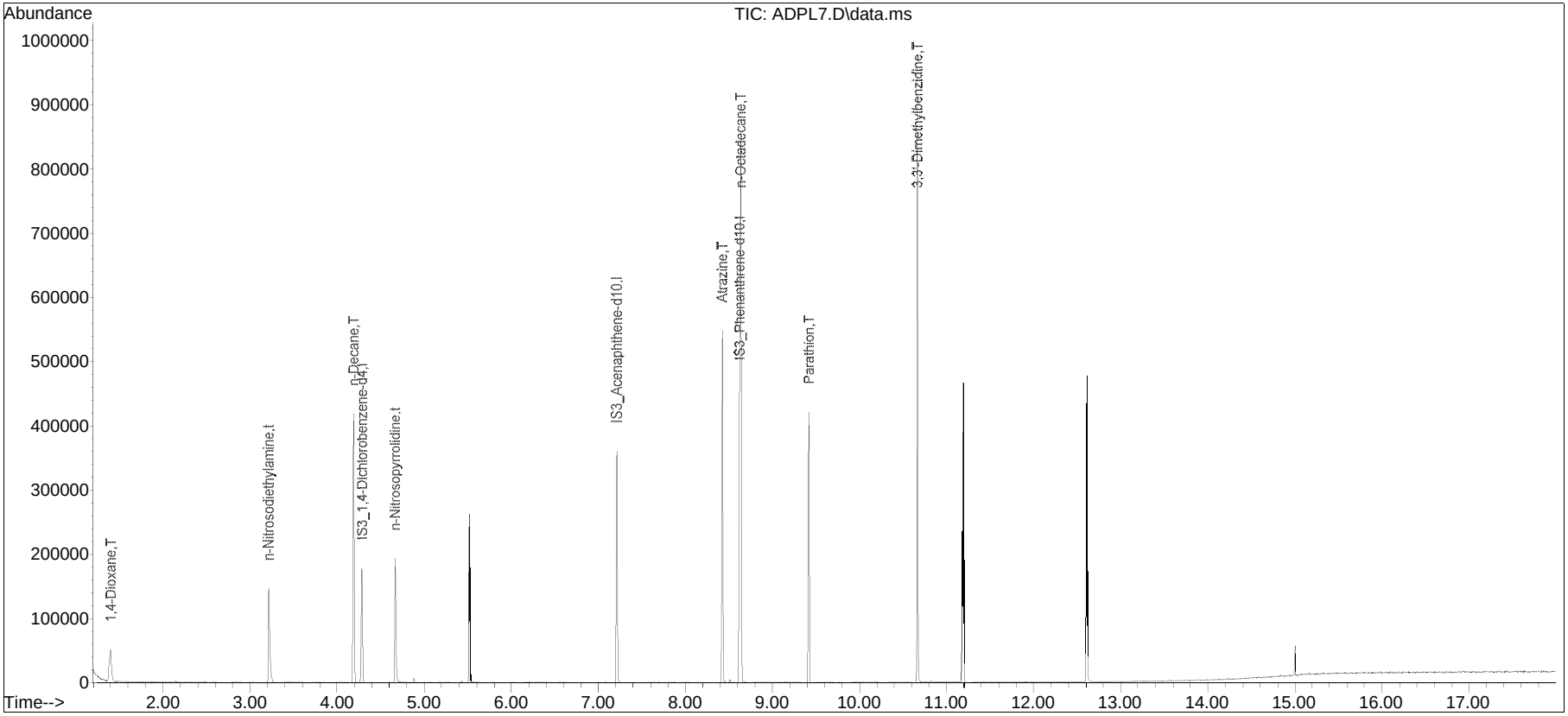
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL7.D
Acq On : 6 Nov 2024 1:56 am
Operator : Dakota:HNY
Sample : IL4,32,,ADPL10 Lot# 11131
Misc : WG1994500
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:32:07 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL7.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 1:56 am	Instrument	: Dakota
Sample	: IL4,32,,ADPL10 Lot# 11131	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27034	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	100.00%		
88) IS3_Acenaphthene-d10	7.210	164	60553	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.00%		
102) IS3_Phenanthrene-d10	8.621	188	133879	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	13637	5.149	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	13557	5.180	ug/ml#	56
35) n-Decane	4.186	57	37066	4.846	ug/ml#	31
36) n-Nitrosopyrrolidine	4.665	100	16431	5.152	ug/ml#	69
89) Atrazine	8.422	200	25869	3.819	ug/ml	92
103) n-Octadecane	8.634	57	55610	4.790	ug/ml#	1
104) Parathion	9.417	109	12413	4.759	ug/ml	88
105) 3,3'-Dimethylbenzidine	10.660	212	108634	3.497	ug/ml	99

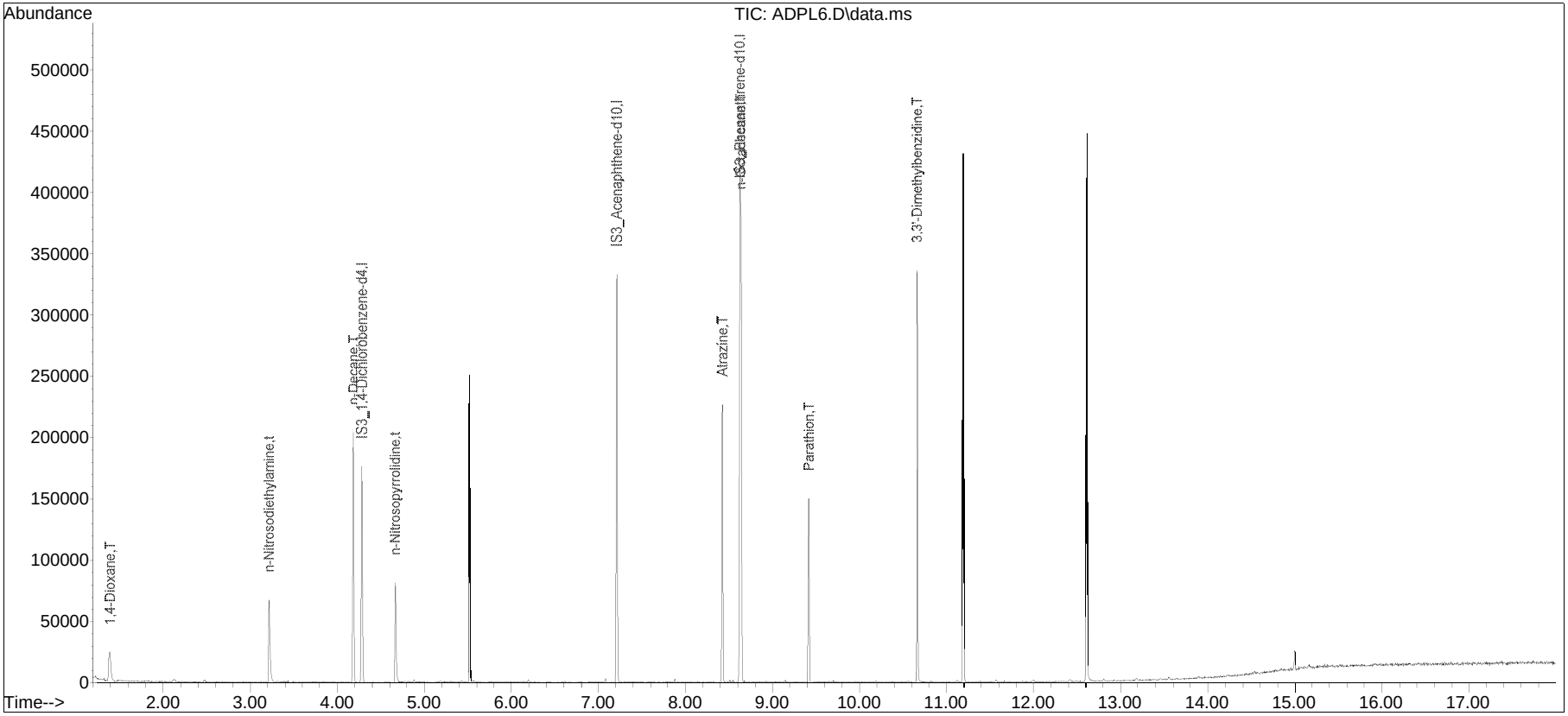
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL6.D
Acq On : 6 Nov 2024 2:20 am
Operator : Dakota:HNY
Sample : IL5,32,,ADPL5 Lot# 11132
Misc : WG1994500
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 06 09:31:35 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL6.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:20 am	Instrument	: Dakota
Sample	: IL5,32,,ADPL5 Lot# 11132	Quant Date	: 11/6/2024 8:37 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.283	152	27964	4.000	ug/ml	0.00
	Standard Area 1 = 27034			Recovery =	103.44%		
88)	IS3_Acenaphthene-d10	7.210	164	63394	4.000	ug/ml	0.00
	Standard Area 1 = 60553			Recovery =	104.69%		
102)	IS3_Phenanthrene-d10	8.621	188	139475	4.000	ug/ml	0.00
	Standard Area 1 = 133879			Recovery =	104.18%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.395	88	6846	2.499	ug/ml#	87
34)	n-Nitrosodiethylamine	3.223	102	6674	2.465	ug/ml#	60
35)	n-Decane	4.186	57	17770	2.246	ug/ml#	29
36)	n-Nitrosopyrrolidine	4.668	100	7709	2.337	ug/ml#	70
89)	Atrazine	8.419	200	12402	1.749	ug/ml	90
103)	n-Octadecane	8.634	57	26941	2.228	ug/ml#	1
104)	Parathion	9.417	109	5990	2.204	ug/ml	91
105)	3,3'-Dimethylbenzidine	10.660	212	47257	1.460	ug/ml	99

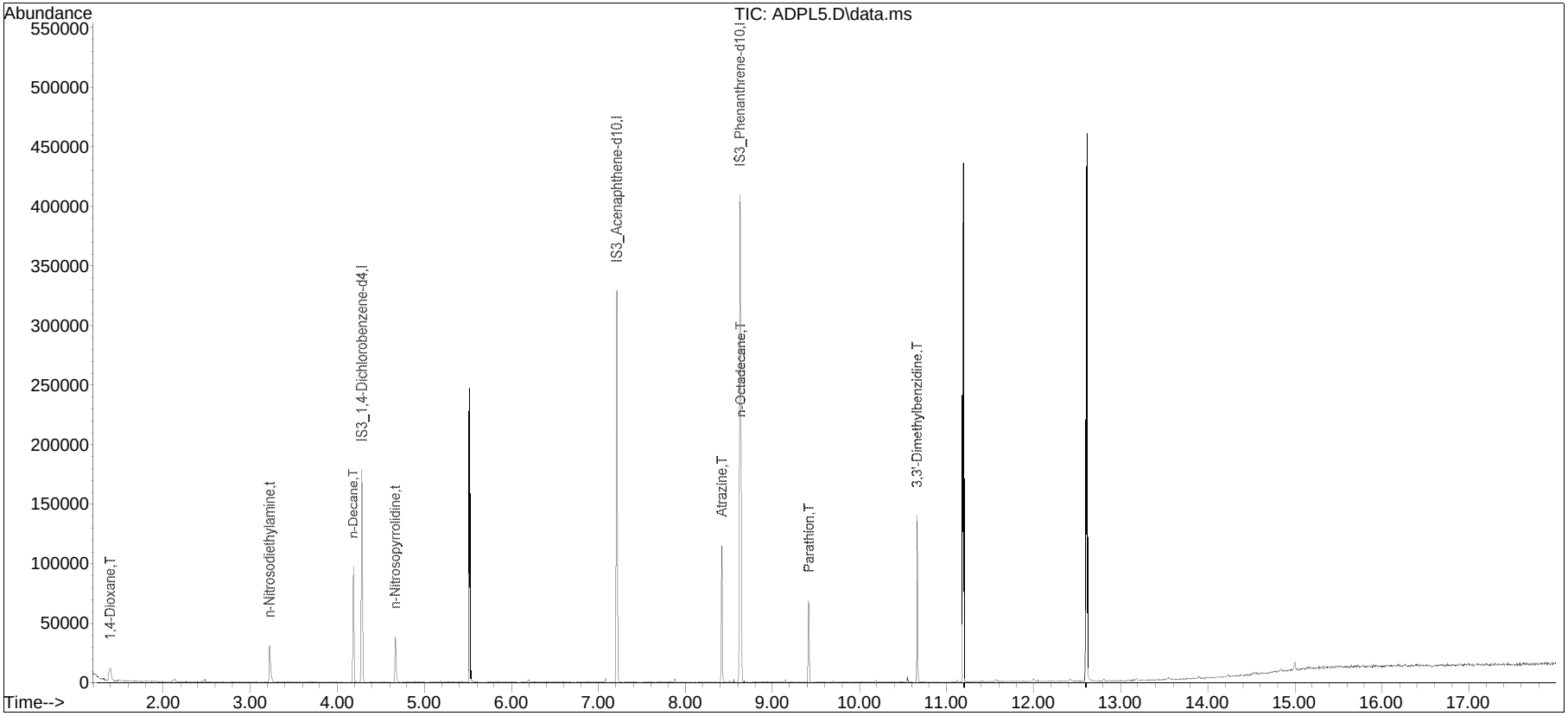
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL5.D
Acq On : 6 Nov 2024 2:43 am
Operator : Dakota:HNY
Sample : IL6,32,,ADPL2.5 Lot# 11133
Misc : WG1994500
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 06 09:30:48 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPL5.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 2:43 am	Instrument	: Dakota
Sample	: IL6,32,,ADPL2.5 Lot# 11133	Quant Date	: 11/6/2024 8:36 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	30288	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	112.04%		
88) IS3_Acenaphthene-d10	7.210	164	68614	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	113.31%		
102) IS3_Phenanthrene-d10	8.621	188	152054	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	113.58%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.398	88	3010M1	1.014	ug/ml	
34) n-Nitrosodiethylamine	3.229	102	2624	0.895	ug/ml#	47
35) n-Decane	4.186	57	7320	0.854	ug/ml#	28
36) n-Nitrosopyrrolidine	4.671	100	3260	0.912	ug/ml#	72
89) Atrazine	8.419	200	4884	0.636	ug/ml	90
103) n-Octadecane	8.634	57	11002	0.834	ug/ml#	1
104) Parathion	9.417	109	2346	0.792	ug/ml#	80
105) 3,3'-Dimethylbenzidine	10.660	212	16174	0.458	ug/ml	97

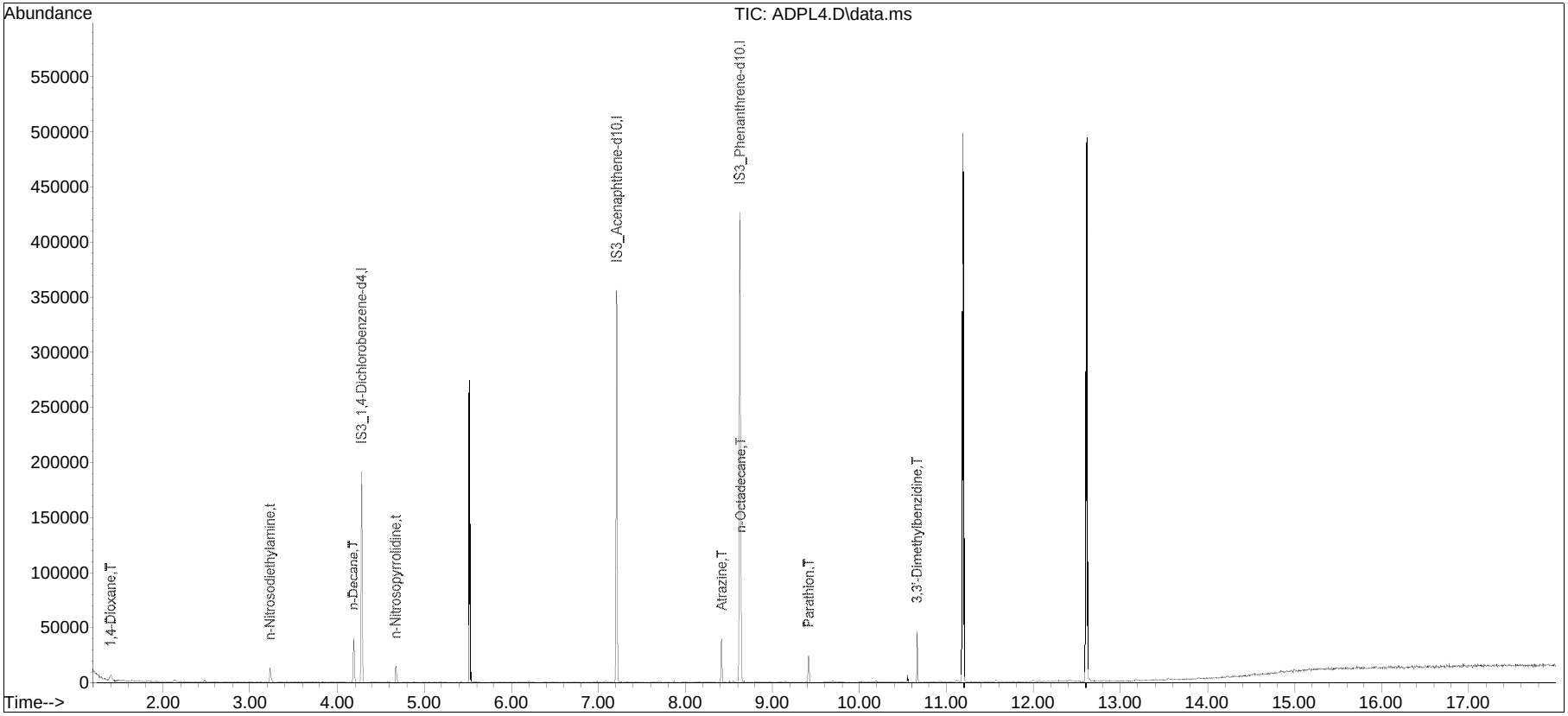
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL4.D
Acq On : 6 Nov 2024 3:07 am
Operator : Dakota:HNY
Sample : IL7,32,,ADPL1 Lot# 11134
Misc : WG1994500
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 06 09:30:26 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

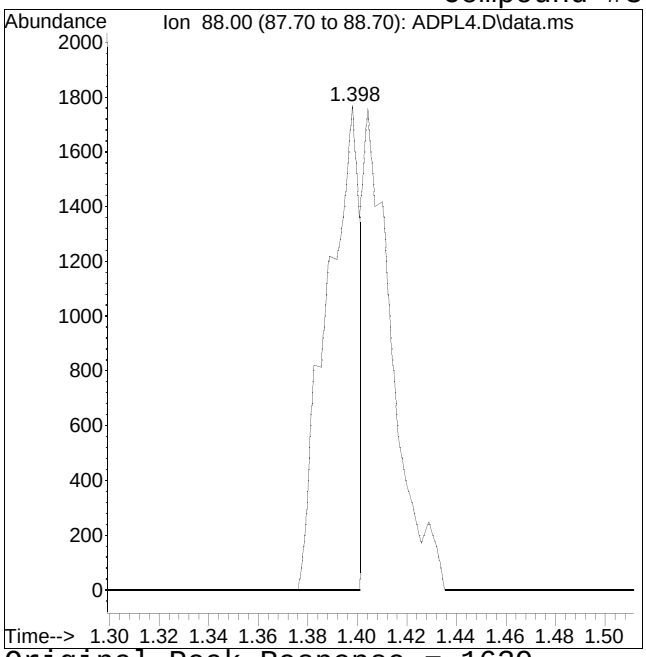
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

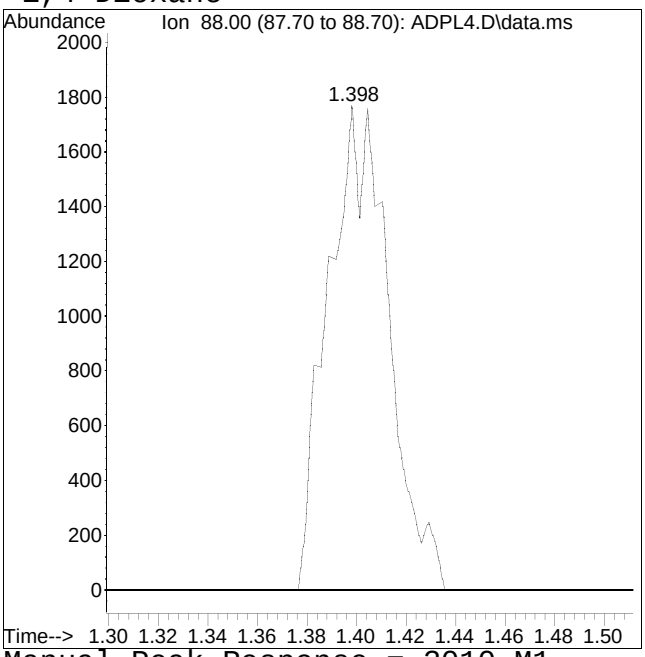


Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL4.D
Date Inj'd : 11/6/2024 3:07 am
Sample : IL7,32,,ADPL1 Lot# 11134
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1639 Manual Peak Response = 3010 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.283	152	29927	4.000	ug/ml	0.00
	Standard Area 1 = 27034			Recovery =	110.70%		
88)	IS3_Acenaphthene-d10	7.207	164	68245	4.000	ug/ml	0.00
	Standard Area 1 = 60553			Recovery =	112.70%		
102)	IS3_Phenanthrene-d10	8.621	188	156900	4.000	ug/ml	0.00
	Standard Area 1 = 133879			Recovery =	117.20%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.411	88	1504M1	0.513	ug/ml	
34)	n-Nitrosodiethylamine	3.235	102	1392	0.480	ug/ml#	26
35)	n-Decane	4.186	57	4118	0.486	ug/ml#	27
36)	n-Nitrosopyrrolidine	4.674	100	1725	0.489	ug/ml#	56
89)	Atrazine	8.419	200	3137	0.411	ug/ml	91
103)	n-Octadecane	8.634	57	6958	0.511	ug/ml#	1
104)	Parathion	9.420	109	1494	0.489	ug/ml	91
105)	3,3'-Dimethylbenzidine	10.660	212	8441	0.232	ug/ml	96

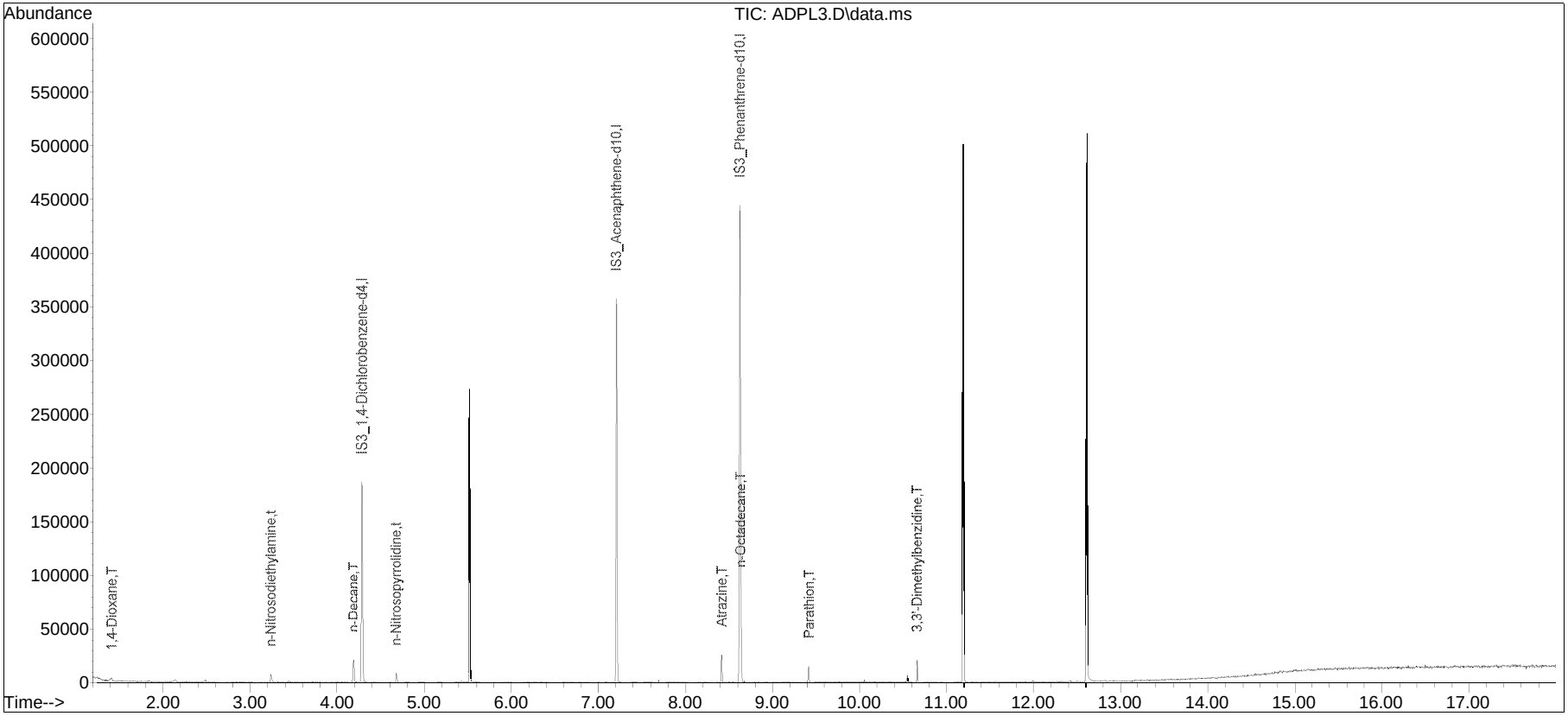
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL3.D
Acq On : 6 Nov 2024 3:30 am
Operator : Dakota:HNY
Sample : IL8,32,,ADPL0.5 Lot# 11135
Misc : WG1994500
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 06 09:29:58 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

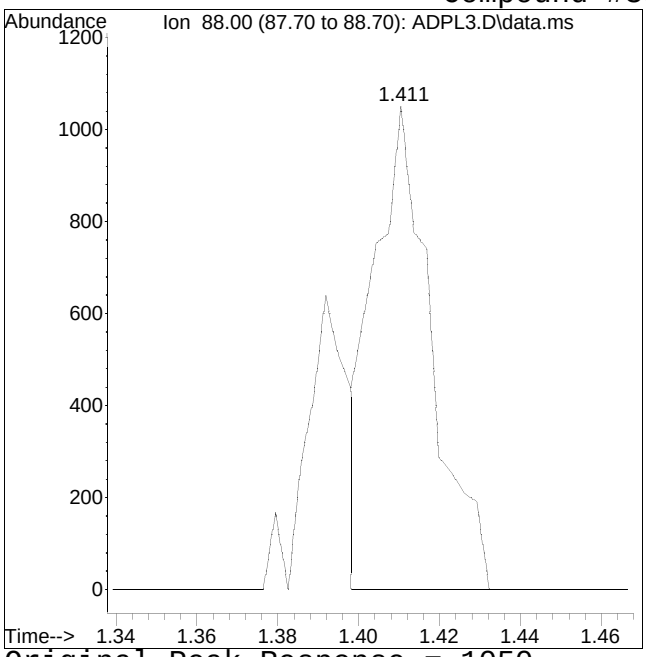


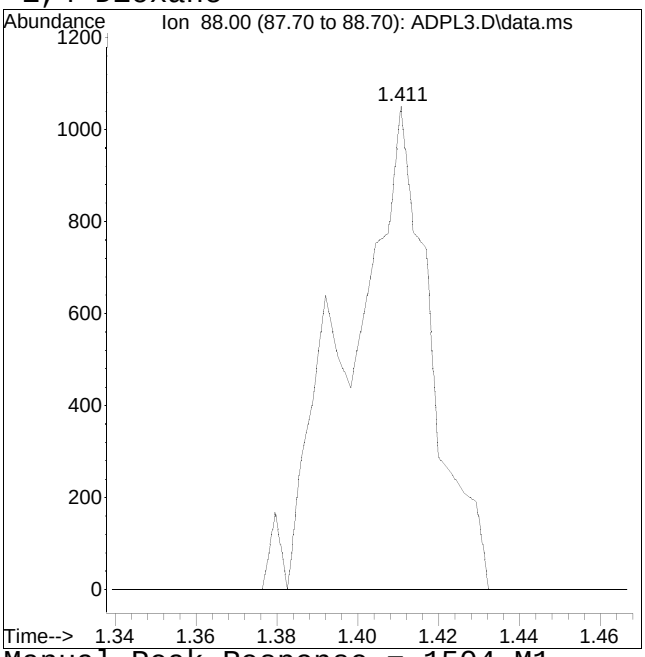
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL3.D
Date Inj'd : 11/6/2024 3:30 am
Sample : IL8,32,,ADPL0.5 Lot# 11135

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane





Original Peak Response = 1050 Manual Peak Response = 1504 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	29865	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	110.47%		
88) IS3_Acenaphthene-d10	7.210	164	67326	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	111.19%		
102) IS3_Phenanthrene-d10	8.621	188	154573	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	115.46%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.411	88	377M2	0.129	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	521	0.180	ug/ml#	29
35) n-Decane	4.186	57	1604	0.190	ug/ml#	29
36) n-Nitrosopyrrolidine	4.680	100	607	0.172	ug/ml#	44
89) Atrazine	8.416	200	1084	0.144	ug/ml#	33
103) n-Octadecane	8.634	57	2734	0.204	ug/ml#	1
104) Parathion	9.420	109	542	0.180	ug/ml#	79
105) 3,3'-Dimethylbenzidine	10.657	212	909	0.025	ug/ml#	62

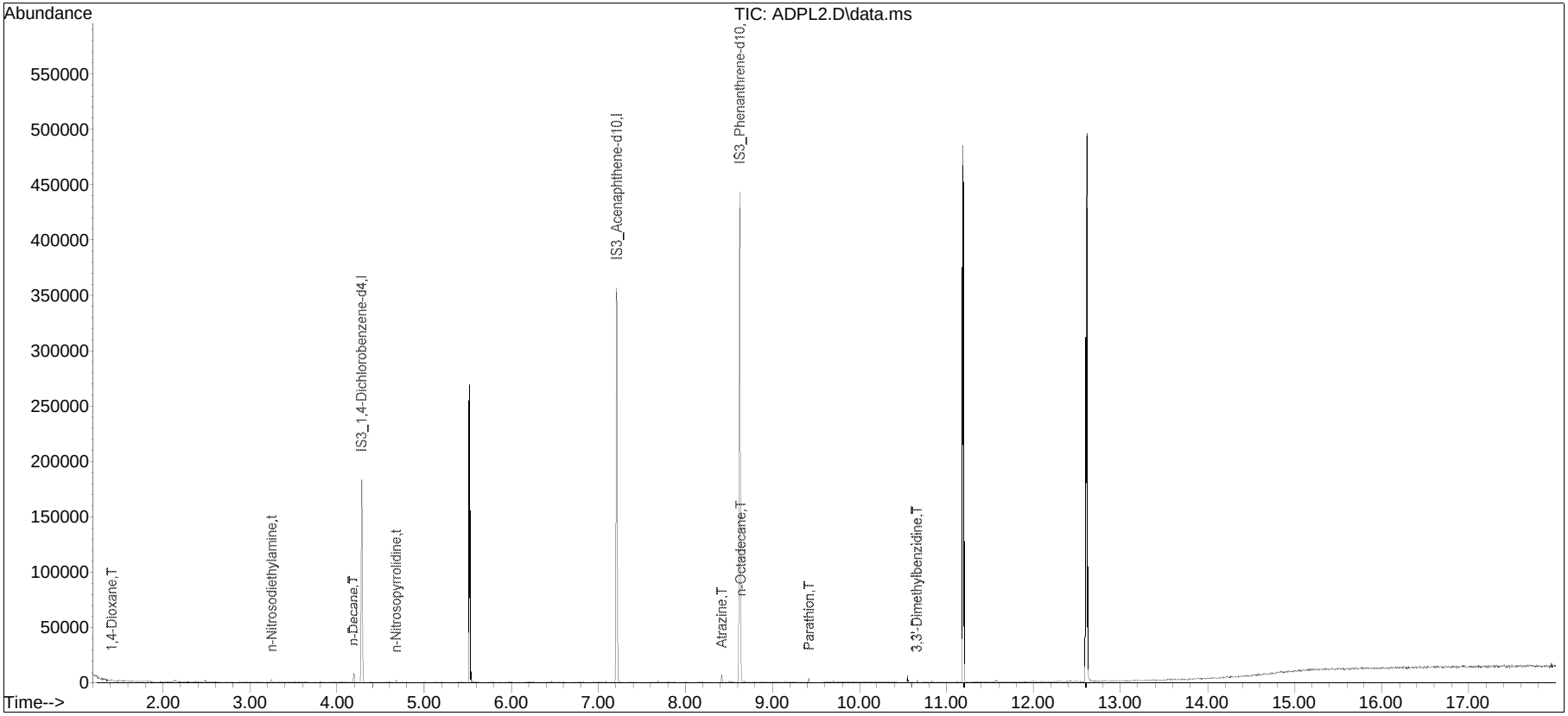
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL2.D
Acq On : 6 Nov 2024 3:53 am
Operator : Dakota:HNY
Sample : IL9,32,,ADPL0.2 Lot# 11136
Misc : WG1994500
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 06 09:28:51 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

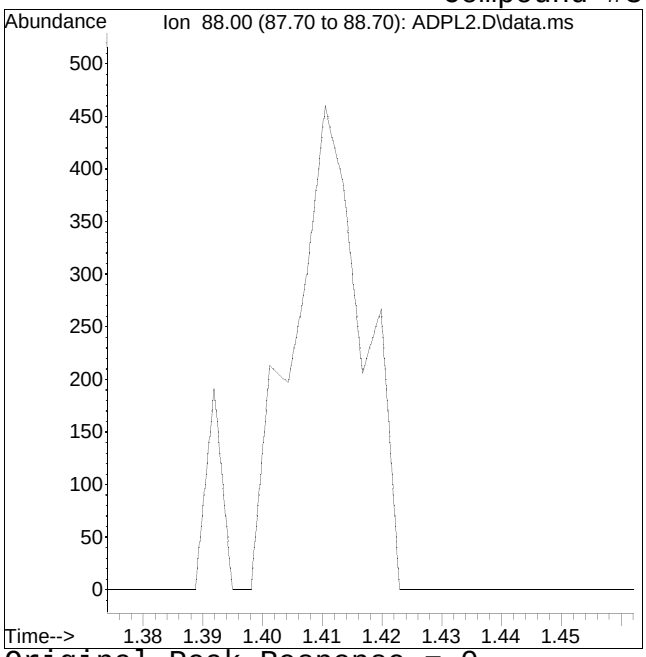
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



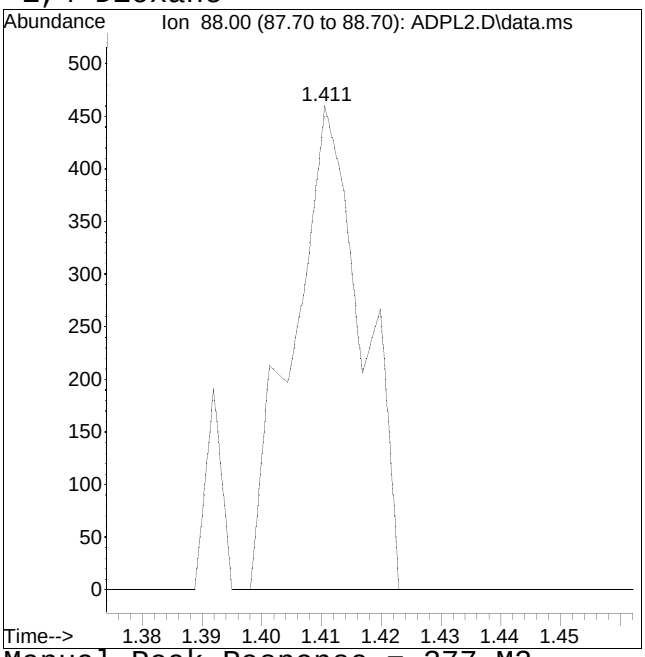
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL2.D
Date Inj'd : 11/6/2024 3:53 am
Sample : IL9,32,,ADPL0.2 Lot# 11136
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 377 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.283	152	27472	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	101.62%		
88) IS3_Acenaphthene-d10	7.210	164	60699	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	100.24%		
102) IS3_Phenanthrene-d10	8.621	188	137822	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	102.95%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.401	88	71M2	0.026	ug/ml	
34) n-Nitrosodiethylamine	3.244	102	122M2	0.046	ug/ml	
35) n-Decane	4.183	57	569	0.073	ug/ml#	42
36) n-Nitrosopyrrolidine	4.683	100	197M2	0.061	ug/ml	
89) Atrazine	8.416	200	466M2	0.069	ug/ml	
103) n-Octadecane	8.634	57	961	0.080	ug/ml#	1
104) Parathion	9.417	109	181M2	0.067	ug/ml	
105) 3,3'-Dimethylbenzidine	10.663	212	69M4	0.002	ug/ml	

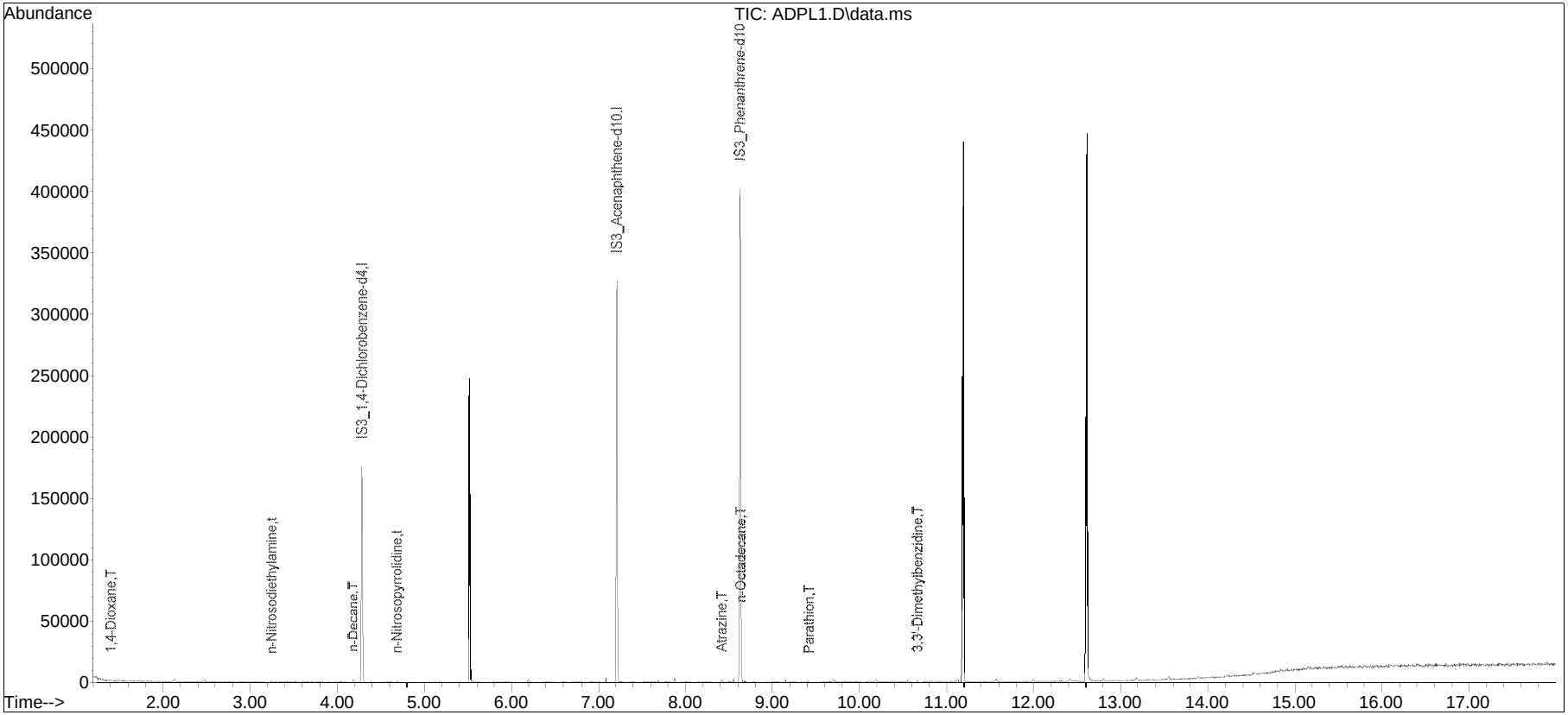
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPL1.D
Acq On : 6 Nov 2024 4:17 am
Operator : Dakota:HNY
Sample : IL10,32,,ADPL0.1 Lot# 11137
Misc : WG1994500
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 06 09:28:15 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Nov 06 08:32:35 2024
Response via : Initial Calibration

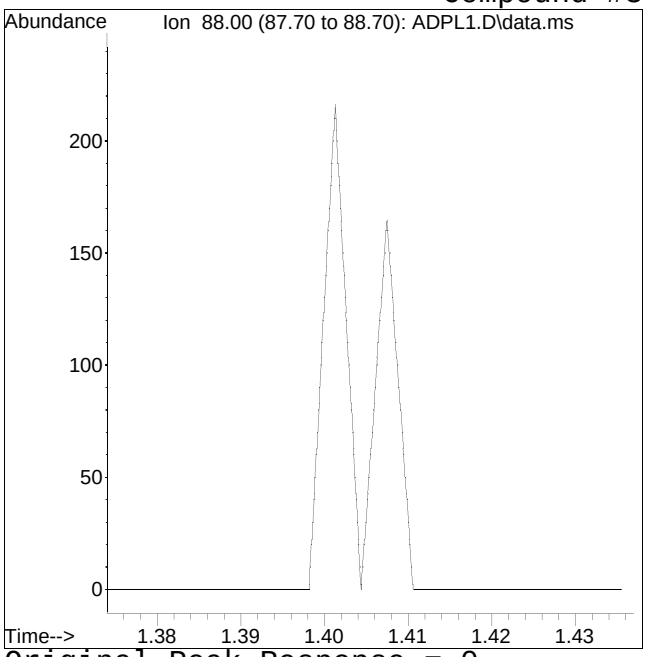
Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•



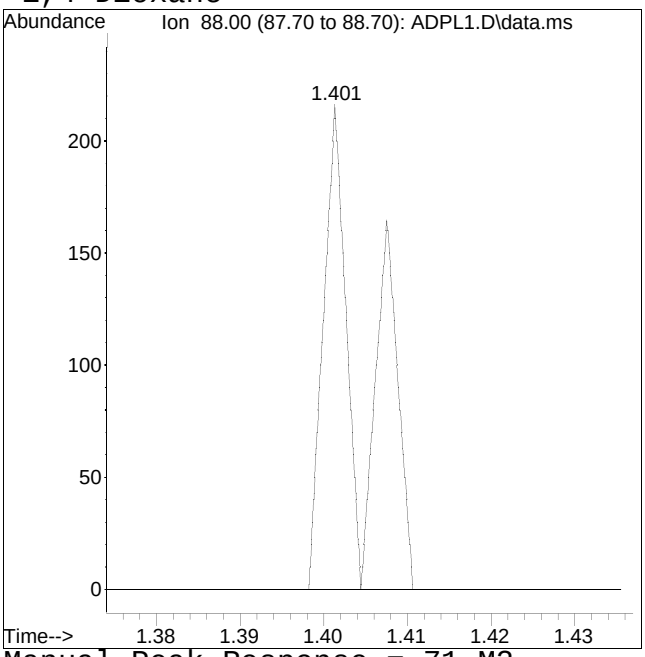
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113
Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



Manual Peak Response = 71 M2

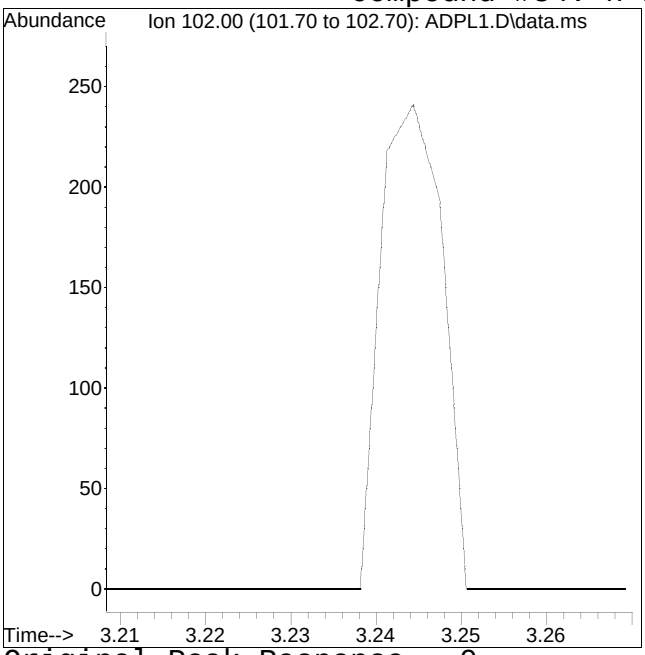
M2 = Peak not found by automatic integration algorithm.

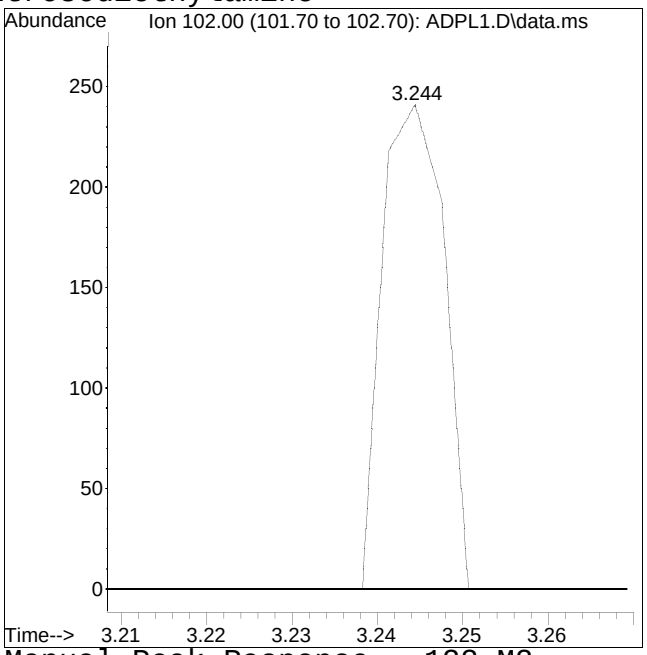
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #34: n-Nitrosodiethylamine





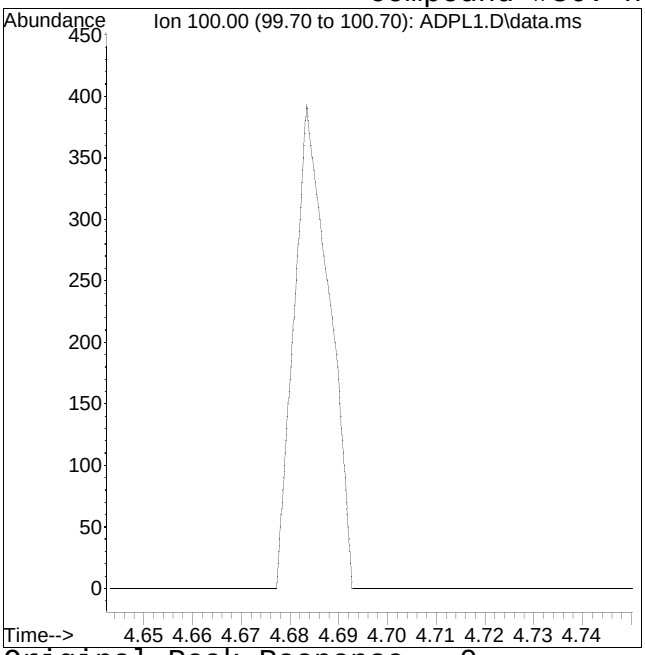
Original Peak Response = 0
Manual Peak Response = 122 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

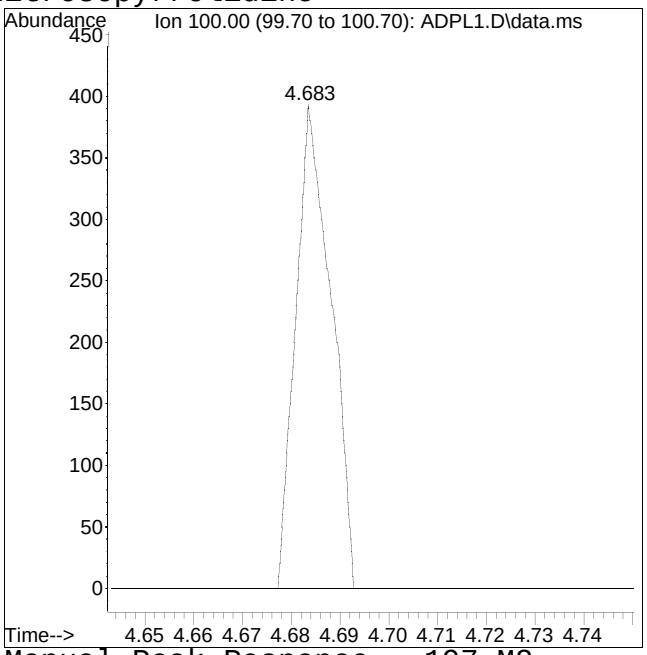
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #36: n-Nitrosopyrrolidine



Original Peak Response = 0



Manual Peak Response = 197 M2

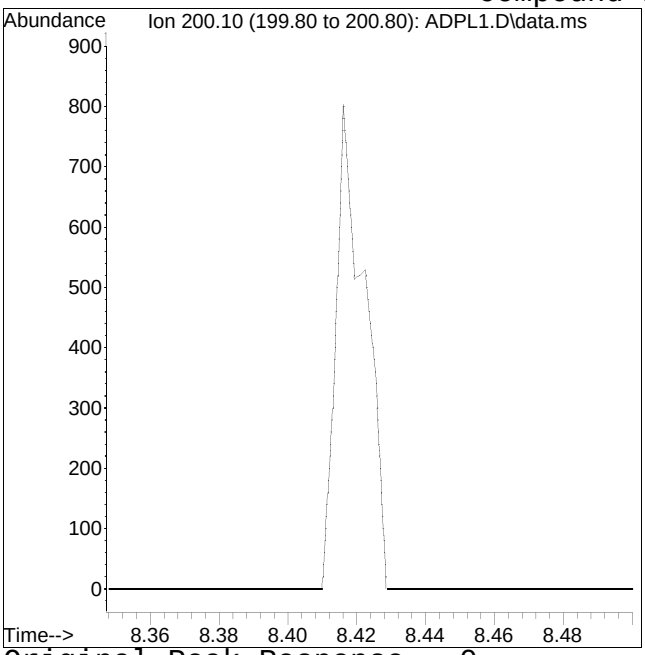
M2 = Peak not found by automatic integration algorithm.

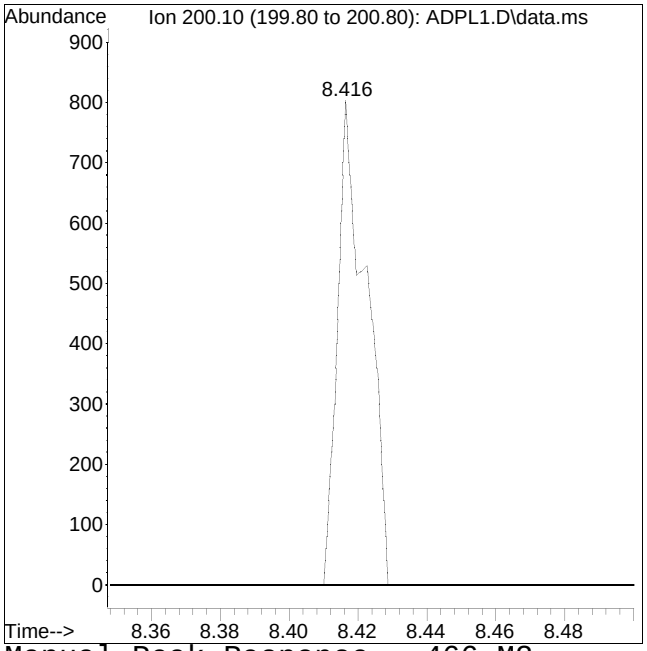
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #89: Atrazine





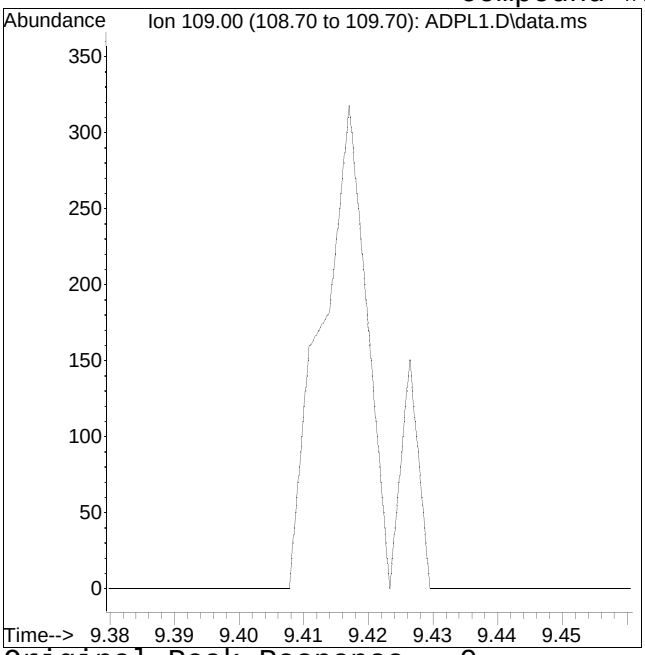
Original Peak Response = 0
Manual Peak Response = 466 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

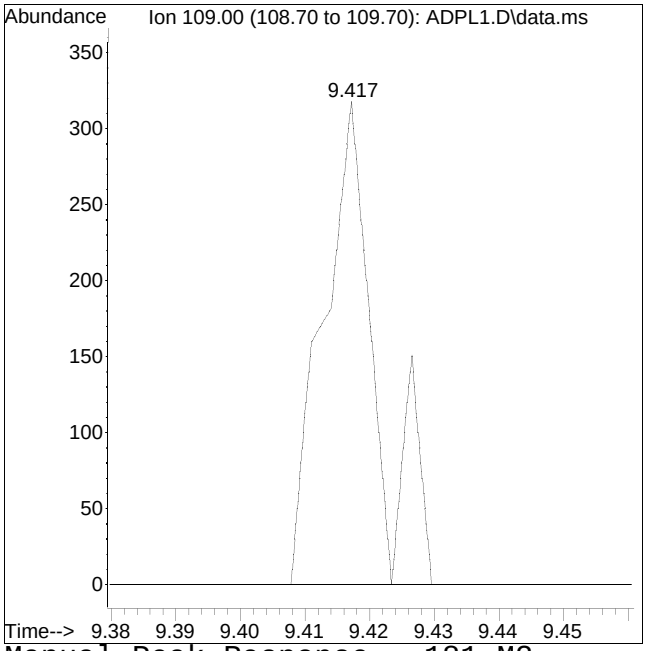
Data Path : I:\8270\Dakota\241105RVTICQ
Data File : ADPL1.D
Date Inj'd : 11/6/2024 4:17 am
Sample : IL10,32,,ADPL0.1 Lot# 1113

Method : FS241105RVT_Dakota.m
Operator : Dakota:HNY
Instrument : Dakota
Quant Date : 11/6/2024 8:36 am

Compound #104: Parathion



Original Peak Response = 0



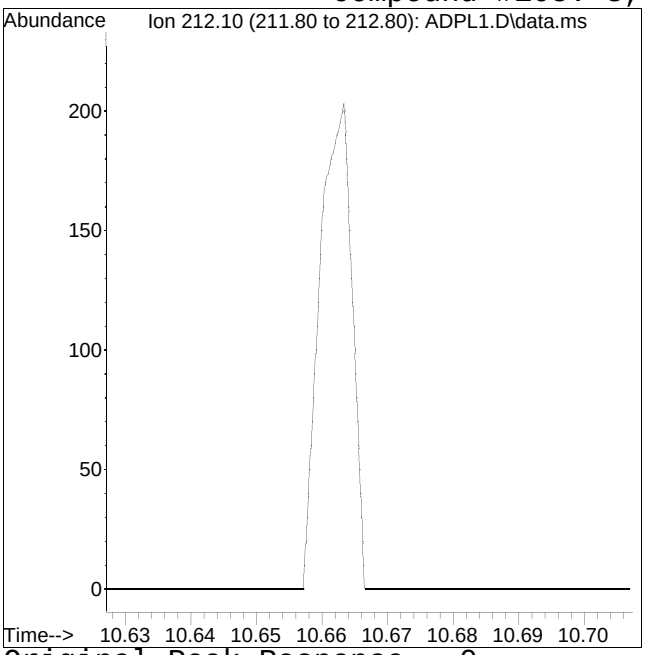
Manual Peak Response = 181 M2

M2 = Peak not found by automatic integration algorithm.

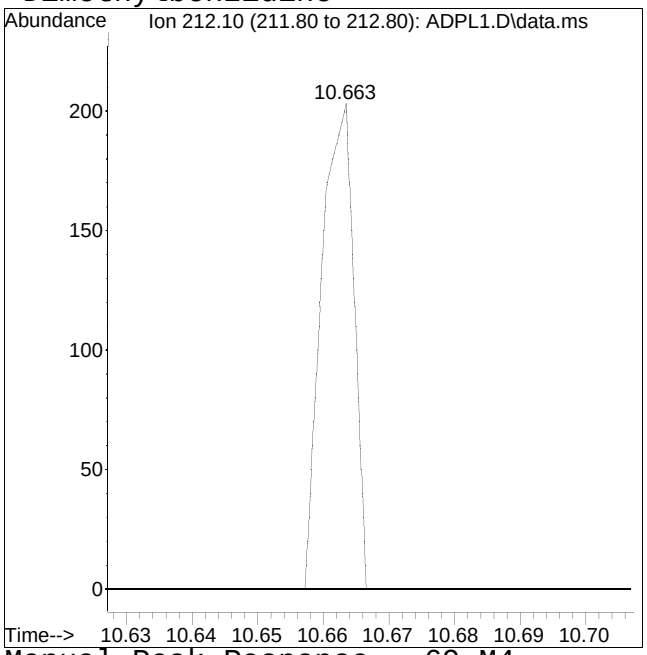
Manual Integration Report

Data Path : I:\8270\Dakota\241105RVTICQMethod : FS241105RVT_Dakota.m
Data File : ADPL1.D Operator : Dakota:HNY
Date Inj'd : 11/6/2024 4:17 am Instrument : Dakota
Sample : IL10,32,,ADPL0.1 Lot# 1113Quant Date : 11/6/2024 8:36 am

Compound #105: 3,3'-Dimethylbenzidine



Original Peak Response = 0



Manual Peak Response = 69 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	103	0.00
33	T	1,4-Dioxane		0.381	0.408	-7.1	104	0.00
34	t	n-Nitrosodiethylamine		0.390	0.412	-5.6	105	0.00
35	T	n-Decane		1.048	1.132	-8.0	106	0.00
36	t	n-Nitrosopyrrolidine		0.458	0.502	-9.6	106	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	106	0.00
89	T	Atrazine		0.343	0.346	-0.9	107	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	106	0.00
103	T	n-Octadecane		0.334	0.358	-7.2	114	0.00
104	T	Parathion	*	5.000	4.893	2.1	116	0.00
105	T	3,3'-Dimethylbenzidine	*	5.000	4.511	9.8	106	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\241105RVTICAL\ADPL6.D
Sub List : ADPical_REV3 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.282	152	27725	4.000	ug/ml	0.00
Standard Area 1 = 27034			Recovery =	102.56%		
88) IS3_Acenaphthene-d10	7.210	164	64160	4.000	ug/ml	0.00
Standard Area 1 = 60553			Recovery =	105.96%		
102) IS3_Phenanthrene-d10	8.621	188	141409	4.000	ug/ml	0.00
Standard Area 1 = 133879			Recovery =	105.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.395	88	14130	5.352	ug/ml#	86
34) n-Nitrosodiethylamine	3.216	102	14269	5.275	ug/ml#	56
35) n-Decane	4.186	57	39218	5.397	ug/ml#	30
36) n-Nitrosopyrrolidine	4.665	100	17407	5.486	ug/ml#	70
89) Atrazine	8.422	200	27737	5.040	ug/ml	93
103) n-Octadecane	8.634	57	63318	5.367	ug/ml#	1
104) Parathion	9.420	109	14391	4.893	ug/ml	94
105) 3,3'-Dimethylbenzidine	10.660	212	115367	4.511	ug/ml	99

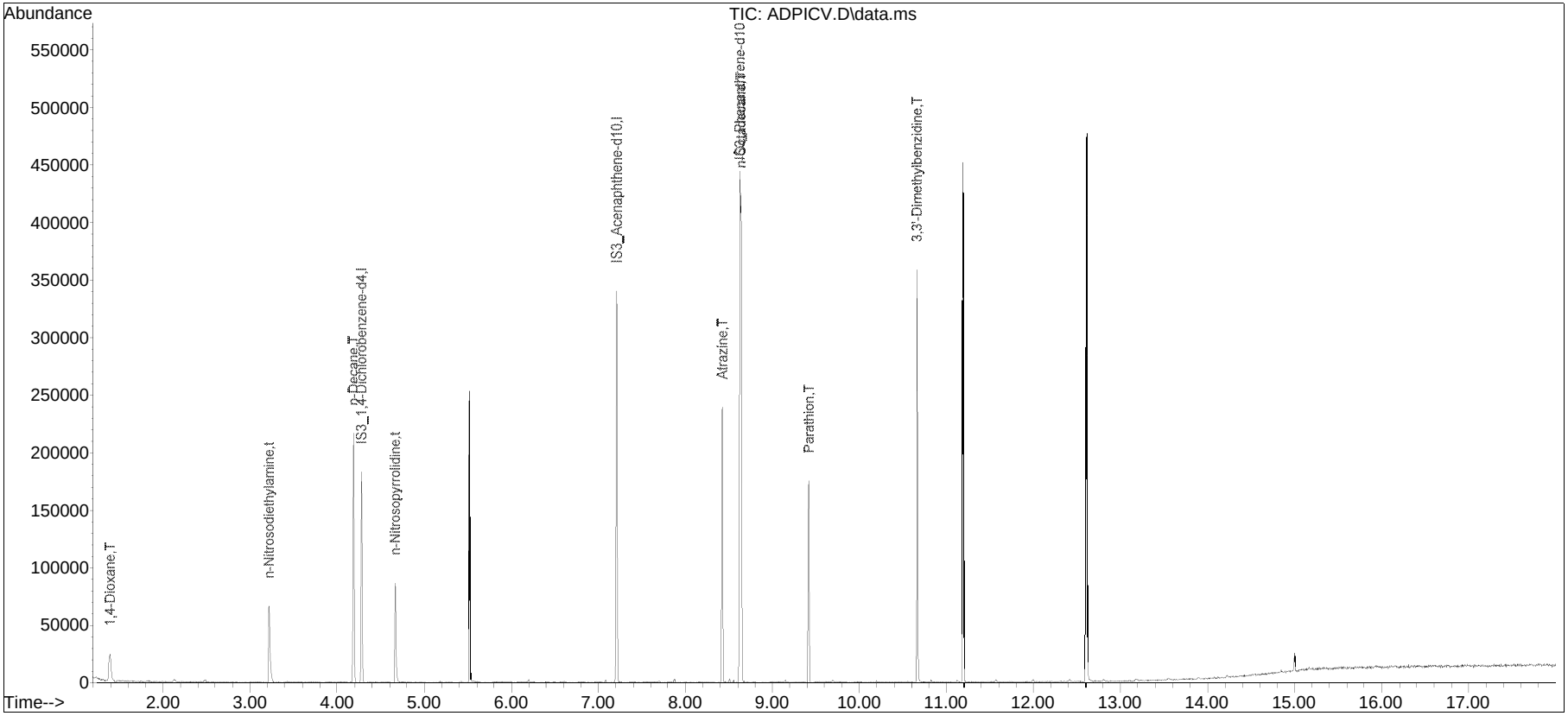
(#) = qualifier out of range (m) = manual integration (+) = signals summed

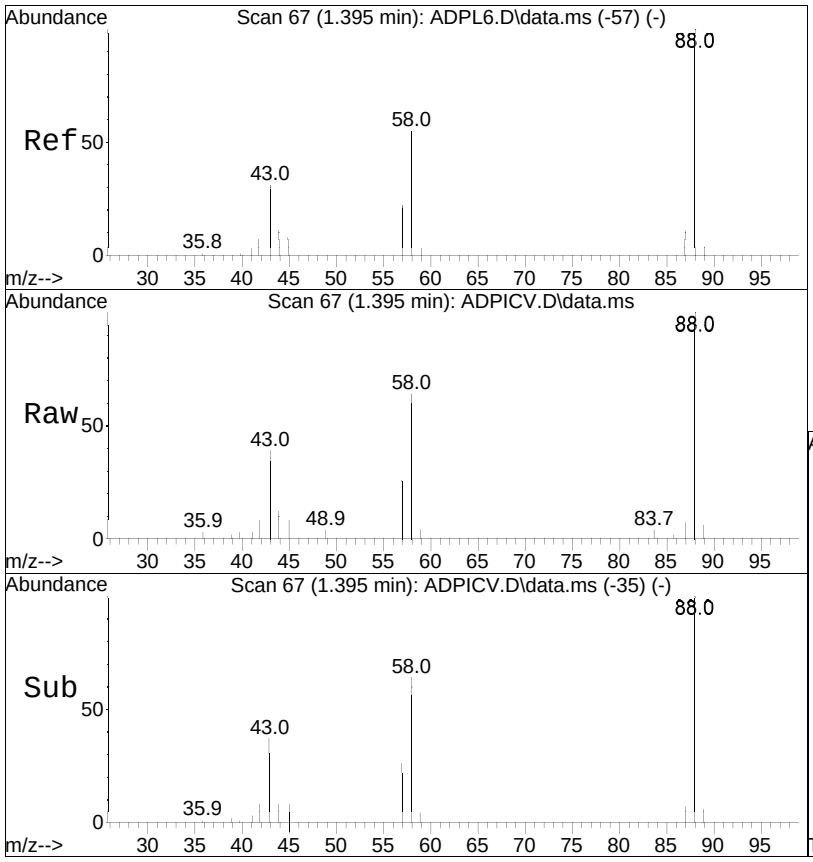
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\241105RVTICAL\
Data File : ADPICV.D
Acq On : 6 Nov 2024 4:40 am
Operator : Dakota:HNY
Sample : CQICV,32,,ADPICV Lot# 11140
Misc : WG1994500
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 11 15:34:09 2024
Quant Method : I:\8270\Dakota\241105RVTICAL\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Nov 11 15:34:18 2024
Response via : Initial Calibration

Sub List : ADPical_REV3 - ADP sublistVTICAL\ADPL6.D•

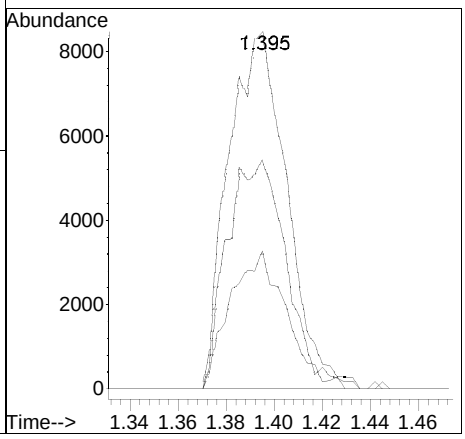


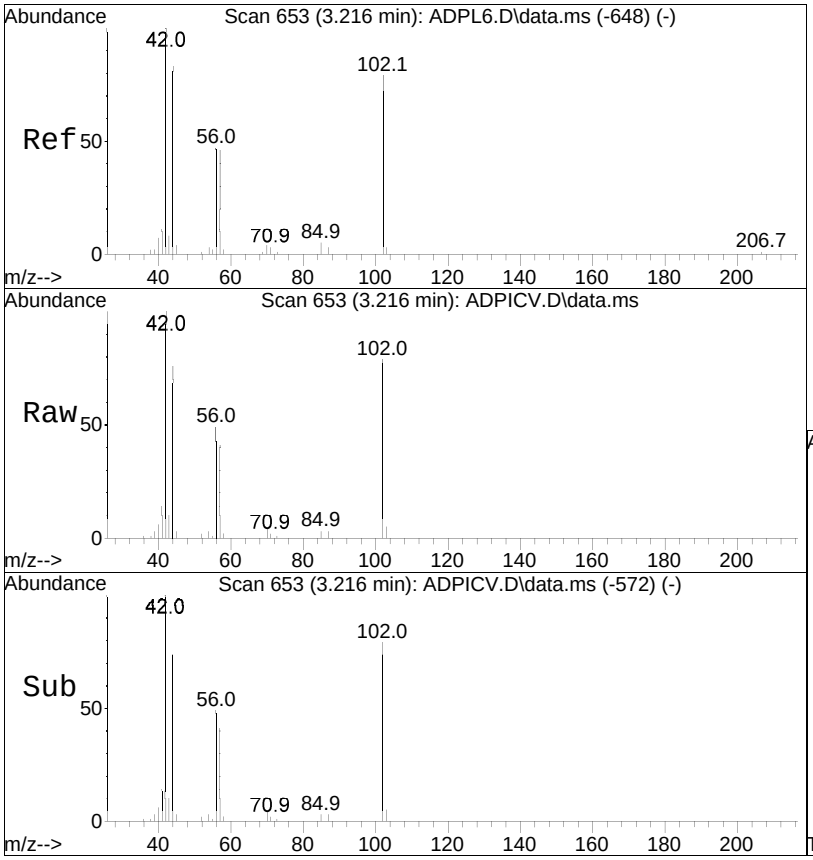


#33
1,4-Dioxane
Concen: 5.35 ug/ml
RT: 1.395 min Scan# 67
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 88 Resp: 14130

Ion	Ratio	Lower	Upper
88	100		
58	65.4	44.8	67.2
43	37.2	22.4	33.6#

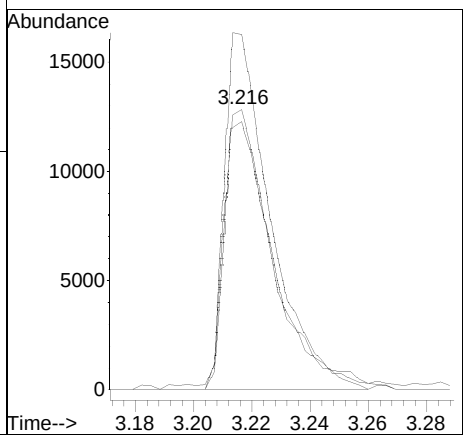


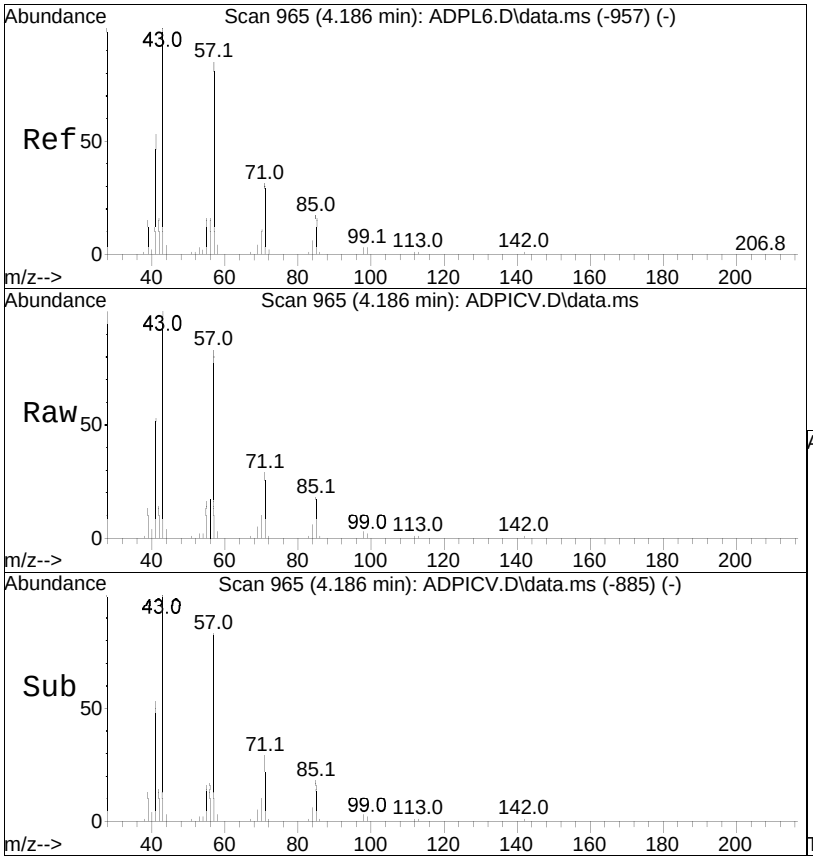


#34
n-Nitrosodiethylamine
Concen: 5.27 ug/ml
RT: 3.216 min Scan# 653
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:102 Resp: 14269

Ion	Ratio	Lower	Upper
102	100		
42	127.1	67.6	101.4#
44	104.7	57.4	86.0#

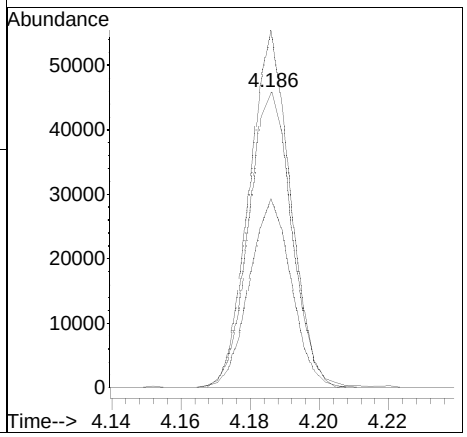


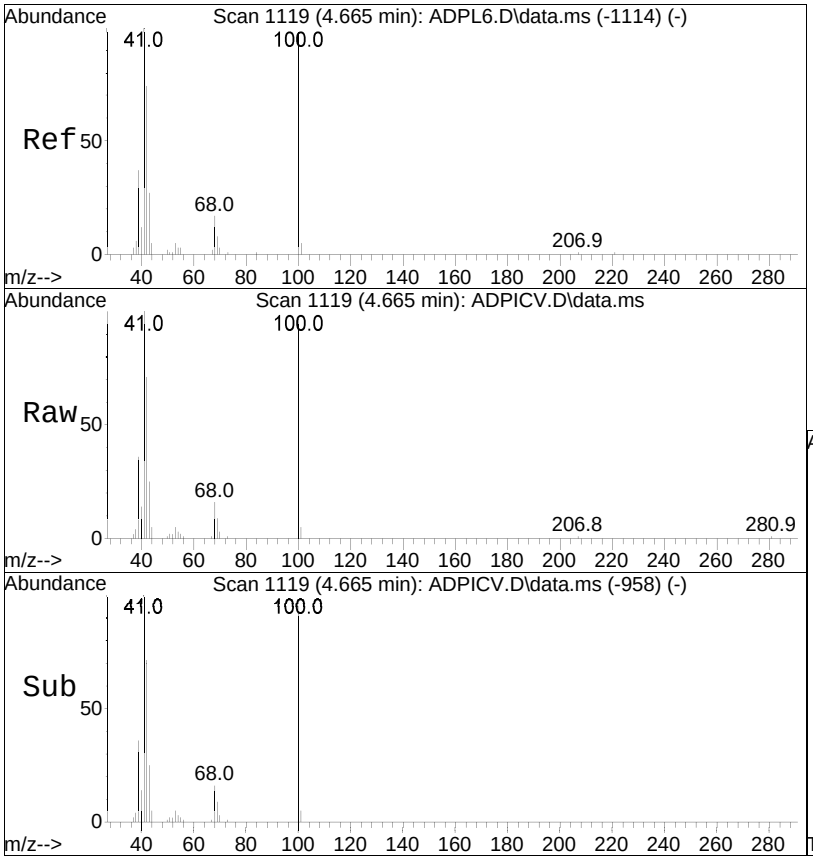


#35
n-Decane
Concen: 5.40 ug/ml
RT: 4.186 min Scan# 965
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 39218

Ion	Ratio	Lower	Upper
57	100		
43	116.0	0.2	0.2#
41	62.8	0.2	0.2#

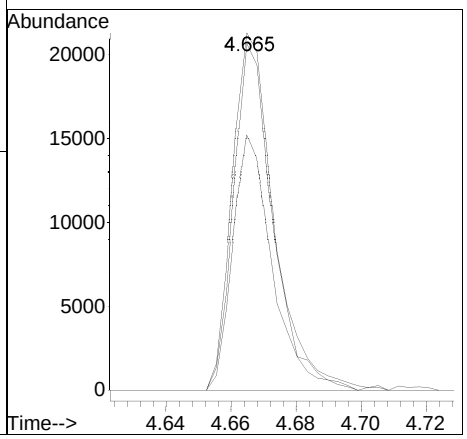


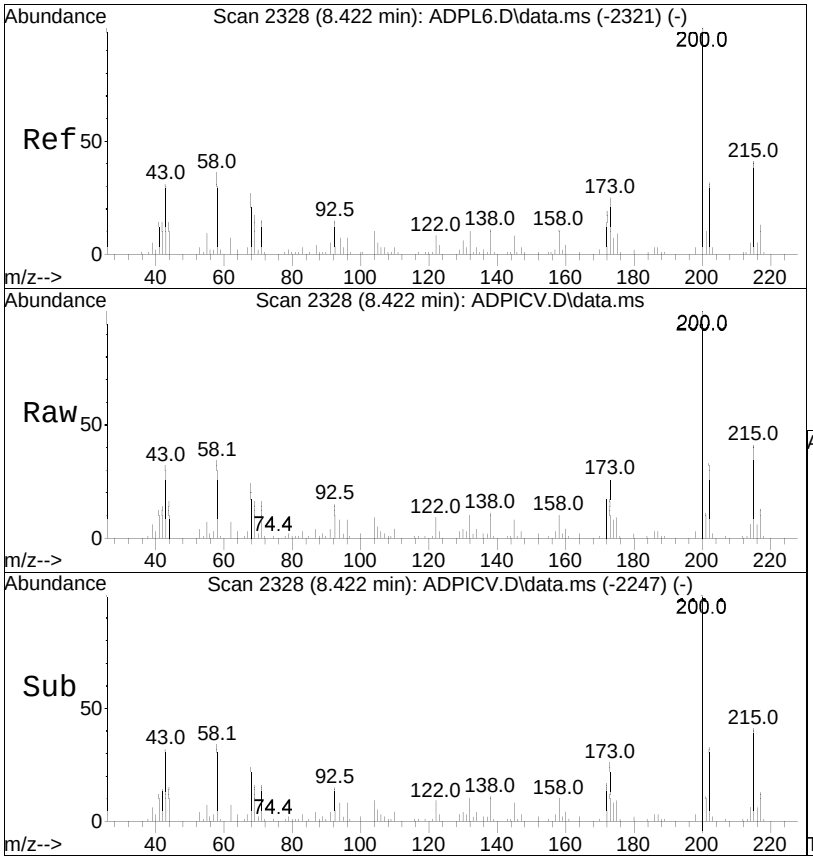


#36
n-Nitrosopyrrolidine
Concen: 5.49 ug/ml
RT: 4.665 min Scan# 1119
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:100 Resp: 17407

Ion	Ratio	Lower	Upper
100	100		
41	110.0	63.0	94.4#
42	74.0	46.6	70.0#

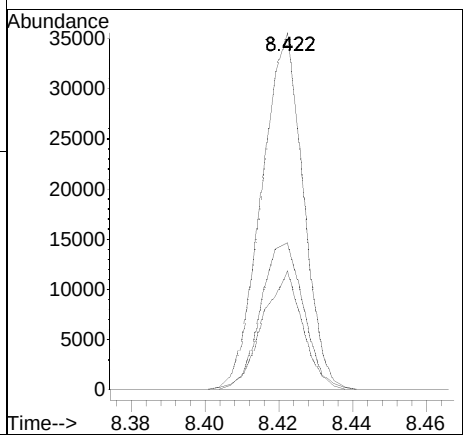


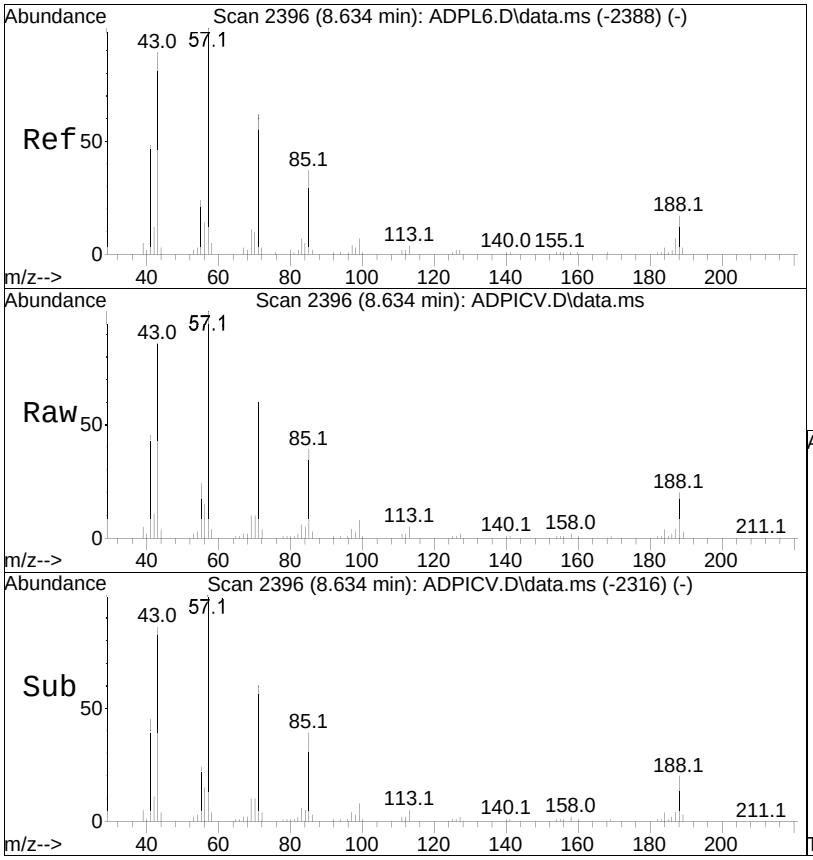


#89
Atrazine
Concen: 5.04 ug/ml
RT: 8.422 min Scan# 2328
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:200 Resp: 27737

Ion	Ratio	Lower	Upper
200	100		
202	32.0	25.8	38.6
215	42.1	40.2	60.4

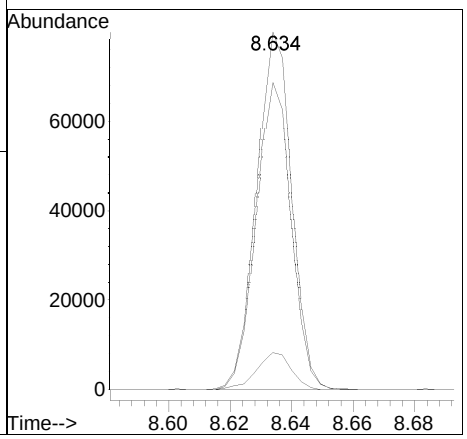


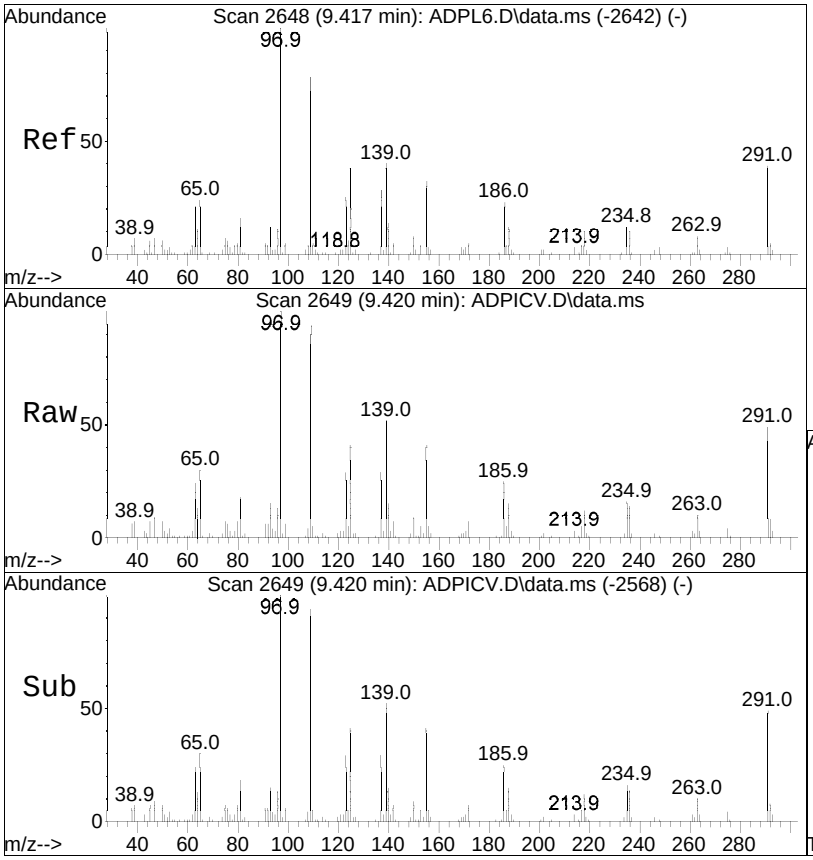


#103
n-Octadecane
Concen: 5.37 ug/ml
RT: 8.634 min Scan# 2396
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion: 57 Resp: 63318

Ion	Ratio	Lower	Upper
57	100		
43	85.6	9.0	13.6#
70	10.2	0.2	0.2#

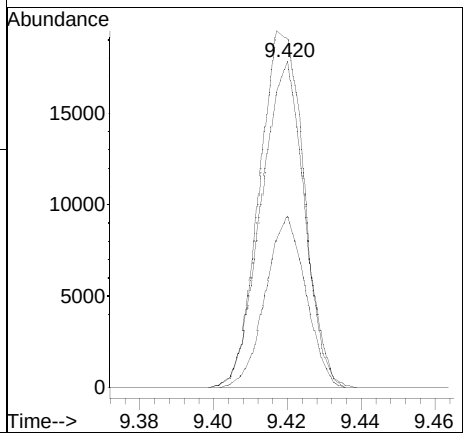


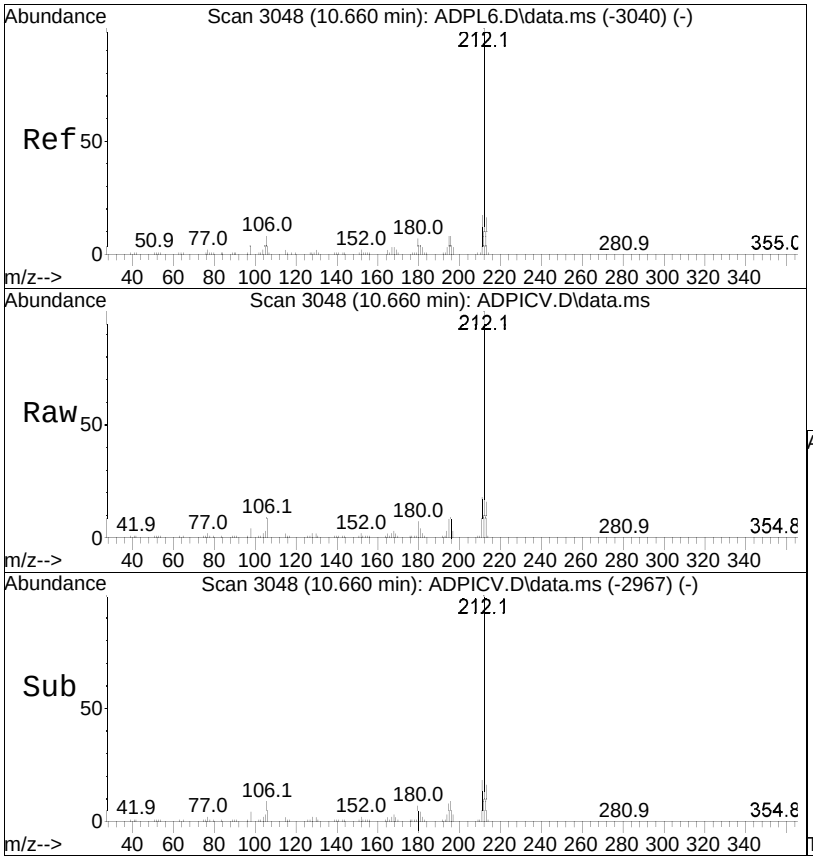


#104
Parathion
Concen: 4.89 ug/ml
RT: 9.420 min Scan# 2649
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:109 Resp: 14391

Ion	Ratio	Lower	Upper
109	100		
97	113.2	87.4	131.2
291	49.4	34.2	51.2

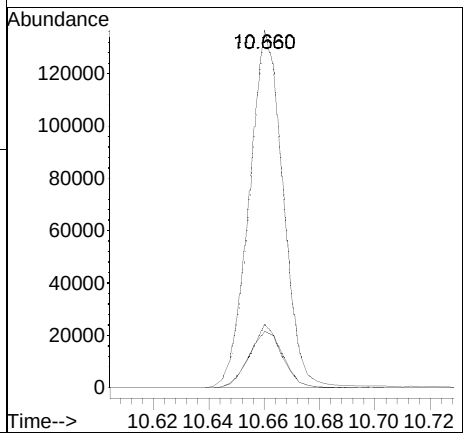




#105
3,3'-Dimethylbenzidine
Concen: 4.51 ug/ml
RT: 10.660 min Scan# 3048
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 6 Nov 2024 4:40 am

Tgt Ion:212 Resp: 115367

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\241105RVTICQ	Method	: FS241105RVT_Dakota.m
Data File	: ADPICV.D	Operator	: Dakota:HNY
Date Inj'd	: 11/6/2024 4:40 am	Instrument	: Dakota
Sample	: CQICV,32,,ADPICV Lot# 1114	Quant Date	: 11/11/2024 3:35 pm

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

Evaluate Relative Error Report Dakota

Method Path : I:\8270\Dakota\241105RVTICAL\
Method File : FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Nov 11 15:34:18 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
68	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.560	-8.8	1.00	1.235	23.5
104	T Parathion	Q	ug/ml	5.0	4.487	-10.3	0.50	0.639	27.8
105	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.491	-10.2	1.00	1.229	22.9

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
68	T 2,4-Dinitrophenol	Linear	0.995883	0.000000	0.219967	-0.0353966
104	T Parathion	Quadratic	0.997840	0.002726	0.0829685	-0.00379272
105	T 3,3'-Dimethylbenzidine	Linear	0.997212	0.000000	0.864599	-0.15929

Response Factor Report SV107

Method Path : I:\8270\SV107\250304ical\
Method File : FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	ISTD										
2)	t	N-Nitrosodimethylamine	0.589	0.527	0.775	0.740	0.621	0.700	0.690	0.739	0.694	0.675	11.90
3)	t	Pyridine	1.490	1.201	1.307	1.302	1.020	1.175	1.258	1.198	1.183	1.237	10.33
4)	S	2-Fluorophenol	0.996	0.896	1.093	1.014	0.936	1.015	1.065	1.091	1.032	1.016	6.56
5)	T	Aniline	1.161	1.254	1.750	1.619	1.474	1.634	1.712	1.788	1.737	1.570	14.44
6)	t	2-Chlorophenol	1.069	1.058	1.228	1.133	1.057	1.132	1.180	1.209	1.174	1.138	5.72
7)	S	Phenol-d6	1.321	1.062	1.266	1.236	1.121	1.247	1.273	1.337	1.275	1.238	7.28
8)	T	Phenol	1.485	1.247	1.487	1.399	1.276	1.376	1.395	1.450	1.395	1.390	6.01
9)	T	bis(2-Chloroethyl)ether	1.235	1.052	1.210	1.104	0.991	1.064	1.081	1.128	1.108	1.108	6.88
10)	T	1,3-Dichlorobenzene	1.638	1.402	1.738	1.538	1.342	1.447	1.448	1.517	1.474	1.505	8.08
11)	T	1,4-Dichlorobenzene	1.715	1.578	1.756	1.560	1.360	1.458	1.496	1.539	1.504	1.552	7.90
12)	T	1,2-Dichlorobenzene	1.629	1.390	1.605	1.509	1.296	1.400	1.428	1.490	1.471	1.469	7.18
13)	t	Benzyl alcohol	0.775	0.711	0.847	0.808	0.763	0.869	0.892	0.993	0.993	0.850	11.57
14)	T	bis(2-chloroisopropyl)ether	1.904	1.595	1.914	1.781	1.619	1.754	1.771	1.898	2.065	1.811	8.30
15)	T	2-Methylphenol	0.997	0.867	1.035	0.982	0.913	1.027	1.036	1.159	1.173	1.021	9.81
16)	T	Hexachloroethane	0.480	0.502	0.554	0.508	0.472	0.507	0.530	0.564	0.551	0.519	6.35
17)	T	n-Nitrosodi-n-propylamine	0.764	0.657	0.814	0.758	0.726	0.826	0.831	0.942	0.922	0.804	11.27
18)	T	3-Methylphenol/4-Methylphenol	0.987	0.926	1.106	1.047	0.987	1.087	1.118	1.225	1.216	1.078	9.49
19)	S	Nitrobenzene-d5	1.053	0.910	1.153	1.099	1.016	1.146	1.190	1.292	1.277	1.126	10.89
20)	T	Nitrobenzene	1.009	0.980	1.151	1.114	1.077	1.174	1.207	1.287	1.259	1.140	9.23
21)	T	Isophorone	2.074	1.910	2.169	2.040	1.963	2.233	2.302	2.538	2.485	2.190	10.07
22)	T	2-Nitrophenol			0.440	0.446	0.449	0.526	0.563	0.673	0.680	0.540	19.33
23)	T	2,4-Dimethylphenol	1.017	0.968	1.158	1.115	1.054	1.199	1.214	1.359	1.366	1.161	12.05
24)	T	bis(2-Chloroethoxy)methane	1.607	1.468	1.830	1.729	1.539	1.678	1.618	1.811	1.017	1.589	15.42
25)	T	2,4-Dichlorophenol	1.032	0.962	1.180	1.131	1.062	1.218	1.249	1.393	1.392	1.180	12.78
26)	T	1,2,4-Trichlorobenzene	1.669	1.446	1.670	1.495	1.341	1.431	1.456	1.577	1.567	1.517	7.37
27)	I	IS2_1,4-Dichlorobenzene-d4	ISTD										
28)	T	Benzaldehyde	0.801	0.720	0.903	0.826	0.785	0.834	0.879	1.018	0.962	0.859	10.74
29)	T	Acetophenone	1.211	1.105	1.594	1.431	1.371	1.458	1.545	1.819	1.711	1.472	15.43
30)	T	m-Toluidine				1.165	1.268	1.413	1.549	1.845	1.757	1.500	17.90
31)	T	2-Chloroaniline	1.309	1.080	1.383	1.308	1.282	1.331	1.451	1.684	1.602	1.381	13.03
32)	I	IS3_1,4-Dichlorobenzene-d4	ISTD										
33)		1,4-Dioxane	0.671	0.660	0.558	0.531	0.422	0.453	0.435	0.544	0.479	0.528	17.33
34)	T	n-Decane	1.479	1.268	1.484	1.403	1.205	1.340	1.378	1.717	1.516	1.421	10.64
35)	I	IS1_Naphthalene-d8	ISTD										
36)	T	Naphthalene	1.154	1.051	1.157	1.058	0.910	0.976	0.973	1.010	0.962	1.028	8.31
37)	T	Benzoic Acid	0.095	0.090	0.127	0.139	0.145	0.124	0.164	0.252		*Q	0.9985
38)	T	4-Chloroaniline	0.138	0.123	0.144	0.125	0.116	0.126	0.129	0.134	0.133	0.130	6.67
39)	T	Hexachlorobutadiene	0.285	0.252	0.278	0.251	0.220	0.231	0.234	0.236	0.235	0.247	8.97
40)	T	p-Chloro-m-cresol	0.251	0.227	0.258	0.261	0.247	0.284	0.290	0.321	0.320	0.273	11.90
41)	T	2-Methylnaphthalene	0.721	0.646	0.717	0.666	0.590	0.633	0.636	0.669	0.631	0.657	6.43
42)	T	1-Methylnaphthalene	0.260	0.227	0.259	0.239	0.210	0.230	0.223	0.232	0.240	0.236	6.82
43)	T	Hexachlorocyclopentadiene	0.256	0.246	0.277	0.258	0.245	0.280	0.283	0.319	0.334	0.278	11.29
44)	T	2,4,6-Trichlorophenol	0.265	0.201	0.256	0.246	0.240	0.275	0.278	0.311	0.309	0.264	13.02
45)	T	2,4,5-Trichlorophenol	0.270	0.218	0.260	0.264	0.243	0.284	0.285	0.328	0.327	0.275	13.04

Response Factor Report SV107

Method Path : I:\8270\SV107\250304ical\
Method File : FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
46)	S	2-Fluorobiphenyl	1.124	0.971	1.085	1.004	0.884	0.948	0.911	0.989	0.919	0.982	8.13	
47)	T	2-Chloronaphthalene	0.961	0.795	0.860	0.796	0.694	0.754	0.740	0.781	0.769	0.795	9.70	
48)	T	2-Nitroaniline			0.158	0.155	0.159	0.197	0.210	0.239	0.241	0.194	19.43	
49)	T	1,4-Dinitrobenzene			0.094	0.093	0.098	0.122	0.139	0.168	0.161		*L	0.9936
50)	T	1,3-Dinitrobenzene				0.097	0.101	0.131	0.133	0.154	0.150	0.128	18.74	
51)	T	Dimethyl phthalate	1.033	0.891	1.003	0.971	0.884	0.987	0.928	1.015	0.953	0.963	5.54	
52)	T	Acenaphthylene	1.278	1.084	1.272	1.202	1.092	1.230	1.229	1.273	1.238	1.211	6.12	
53)	T	2,6-Dinitrotoluene			0.147	0.153	0.155	0.191	0.190	0.207	0.220	0.180	16.04	
54)	T	1,2-Dinitrobenzene	0.059	0.055	0.072	0.074	0.073	0.085	0.085	0.093	0.093	0.077	18.11	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.221	0.186	0.222	0.201	0.202	0.224	0.233	0.290	0.279	0.229	15.30	
57)	T	3-Chloroaniline	0.121	0.108	0.142	0.128	0.124	0.140	0.139	0.161	0.150	0.135	11.87	
58)	T	2,6-Dichlorophenol	0.280	0.220	0.286	0.256	0.257	0.293	0.306	0.356	0.334	0.288	14.44	
59)	T	1-chloro-2-nitrobenzene	0.106	0.077	0.115	0.099	0.100	0.115	0.119	0.147	0.143	0.114	19.20	
60)	T	Caprolactam			0.094	0.095	0.100	0.126	0.140	0.178	0.171		*L	0.9919
61)	T	1,2,4,5-Tetrachlorobenzene	0.463	0.390	0.484	0.421	0.387	0.419	0.408	0.453	0.426	0.428	7.69	
62)	T	Biphenyl	1.069	0.835	1.032	0.949	0.869	0.936	0.924	1.094	1.017	0.969	9.17	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline	0.189	0.179	0.252	0.254	0.252	0.294	0.292	0.310	0.317	0.260	19.09	
65)	T	Acenaphthene	1.392	1.157	1.195	1.063	0.895	0.997	0.989	1.021	1.031	1.082	13.56	
66)	T	2,4-Dinitrophenol		0.055	0.081	0.089	0.098	0.128	0.145	0.171	0.178		*Q	0.9968
67)	T	Dibenzofuran	2.173	1.896	2.099	1.868	1.618	1.789	1.749	1.739	1.684	1.846	10.07	
68)	T	2,4-Dinitrotoluene			0.307	0.335	0.334	0.402	0.396	0.435	0.432	0.377	13.61	
69)	T	4-Nitrophenol			0.167	0.163	0.169	0.211	0.211	0.236	0.245	0.200	16.99	
70)	T	2,3,5,6-Tetrachlorophenol	0.294	0.229	0.309	0.323	0.298	0.361	0.375	0.397	0.383	0.330	16.35	
71)	T	2,3,4,6-Tetrachlorophenol	0.281	0.266	0.338	0.366	0.333	0.407	0.430	0.379	0.397	0.355	15.68	
72)	T	Diethyl phthalate	1.310	1.241	1.407	1.338	1.203	1.374	1.324	1.406	1.387	1.332	5.40	
73)	T	Fluorene	1.649	1.366	1.567	1.448	1.267	1.410	1.390	1.408	1.362	1.430	8.01	
74)	T	4-Chlorophenyl-phenylether	0.914	0.772	0.838	0.739	0.635	0.695	0.678	0.674	0.654	0.733	12.67	
75)	T	4-Nitroaniline	0.177	0.167	0.240	0.246	0.237	0.280	0.284	0.297	0.287	0.246	19.24	
76)	T	4,6-Dinitro-o-cresol			0.140	0.137	0.144	0.191	0.205	0.243	0.246		*L	0.9941
77)	T	NDPA/DPA	1.224	1.129	1.328	1.237	1.094	1.209	1.179	1.220	1.184	1.200	5.57	
78)	T	Azobenzene	1.120	1.009	1.202	1.155	1.048	1.196	1.159	1.179	1.133	1.133	5.82	
79)	S	2,4,6-Tribromophenol	0.172	0.168	0.193	0.194	0.187	0.218	0.215	0.233	0.232	0.201	12.11	
80)	T	4-Bromophenyl-phenylether	0.529	0.428	0.471	0.427	0.384	0.429	0.419	0.433	0.433	0.439	9.16	
81)	T	Hexachlorobenzene	0.637	0.540	0.587	0.517	0.442	0.483	0.470	0.472	0.467	0.513	12.55	
82)	T	Pentachlorophenol				0.210	0.224	0.283	0.296	0.333	0.335	0.280	18.96	
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran			0.098	0.095	0.096	0.124	0.155	0.247	0.237		*Q	0.9847
85)	T	Pentachloronitrobenzene				0.119	0.109	0.149	0.171	0.208	0.201		*L	0.9948
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.400	0.328	0.323	0.366	0.346	0.389	0.463	0.652			*Q	0.9999
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.365	1.193	1.246	1.135	0.984	1.065	1.073	1.089	1.014	1.129	10.69	
90)	T	Anthracene	1.176	1.052	1.159	1.072	0.978	1.082	1.075	1.100	1.032	1.081	5.62	

Response Factor Report SV107

Method Path : I:\8270\SV107\250304ical\
Method File : FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

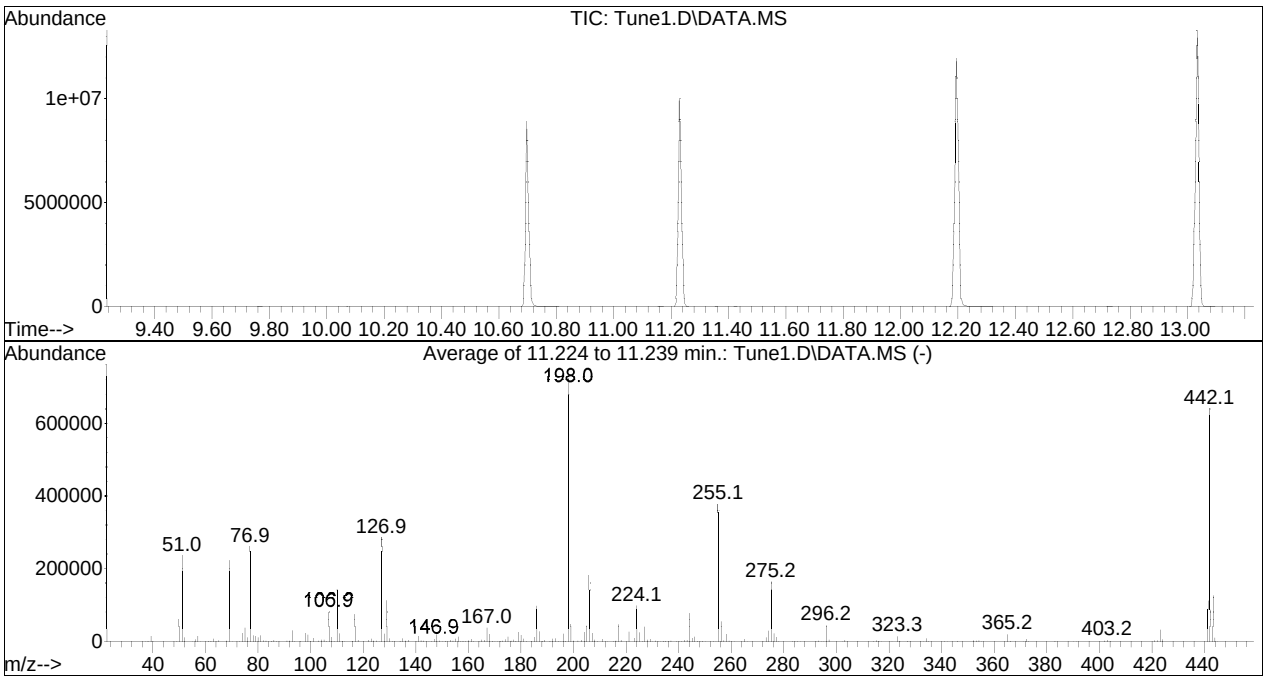
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	0.945	0.852	1.031	0.965	0.899	1.003	1.001	1.049	1.008	0.973	6.60
92)	T	Di-n-butylphthalate	0.809	0.719	0.891	0.886	0.904	1.097	1.164	1.283	1.214	0.996	19.81
93)	T	Fluoranthene	1.342	1.174	1.311	1.213	1.105	1.274	1.264	1.271	1.173	1.236	6.14
94)	T	Benzidine			0.446	0.508	0.566	0.728	0.789	0.848	0.821	*L	0.9981
95)	T	Pyrene	1.372	1.239	1.394	1.311	1.210	1.366	1.333	1.279	1.171	1.297	5.99
96)	S	4-Terphenyl-d14	1.083	0.933	1.036	0.974	0.876	0.978	0.958	0.973	0.873	0.965	7.05
97)	T	Butyl benzyl phthalate			0.275	0.287	0.300	0.421	0.451	0.547	0.558	*L	0.9928
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid			0.302	0.304	0.324	0.403	0.458	0.573	0.553	*L	0.9921
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.352	0.287	0.318	0.326	0.301	0.370	0.404	0.509	0.443	0.368	19.78
102)	T	Parathion	0.062	0.048	0.054	0.050	0.045	0.052	0.070	0.125		*Q	0.9997
103)	T	3,3'-Dimethylbenzidine			0.254	0.308	0.369	0.505	0.679	1.005		*Q	0.9992
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.401	1.184	1.277	1.223	1.117	1.266	1.265	1.326	1.182	1.249	6.76
106)	T	3,3'-Dichlorobenzidine	0.314	0.287	0.356	0.373	0.374	0.463	0.478	0.505	0.476	0.403	19.68
107)	T	Chrysene	1.576	1.355	1.384	1.213	1.076	1.147	1.115	1.114	1.116	1.233	13.75
108)	T	bis(2-Ethylhexyl)phthalate		0.381	0.445	0.471	0.533	0.697	0.712	0.861	0.882	*Q	0.9970
109)	T	Di-n-octylphthalate			0.648	0.660	0.738	1.079	1.188	1.485	1.490	*Q	0.9953
110)	T	Benzo(b)fluoranthene	1.211	0.979	1.129	1.230	1.071	1.306	1.347	1.284	1.342	1.211	10.56
111)	T	Benzo(k)fluoranthene	1.114	0.991	1.239	1.027	0.985	1.003	0.975	1.089	1.016	1.049	8.17
112)	T	Benzo(a)pyrene	0.946	0.806	0.998	0.977	0.898	1.052	1.081	1.156	1.167	1.009	11.73
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	0.978	0.845	0.969	0.950	0.893	1.071	1.097	1.152	1.090	1.005	10.22
115)	T	Dibenzo[a,h]anthracene	0.899	0.877	1.081	0.970	0.948	1.025	1.057	1.092	1.053	1.000	7.95
116)	T	Benzo(g,h,i)perylene	1.072	0.992	1.062	1.004	0.936	1.020	1.057	1.061	0.893	1.011	6.16

(#) = Out of Range

Data Path : I:\8270\SV107\250304ical\
Data File : Tune1.D
Acq On : 4 Mar 2025 9:26 pm
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025



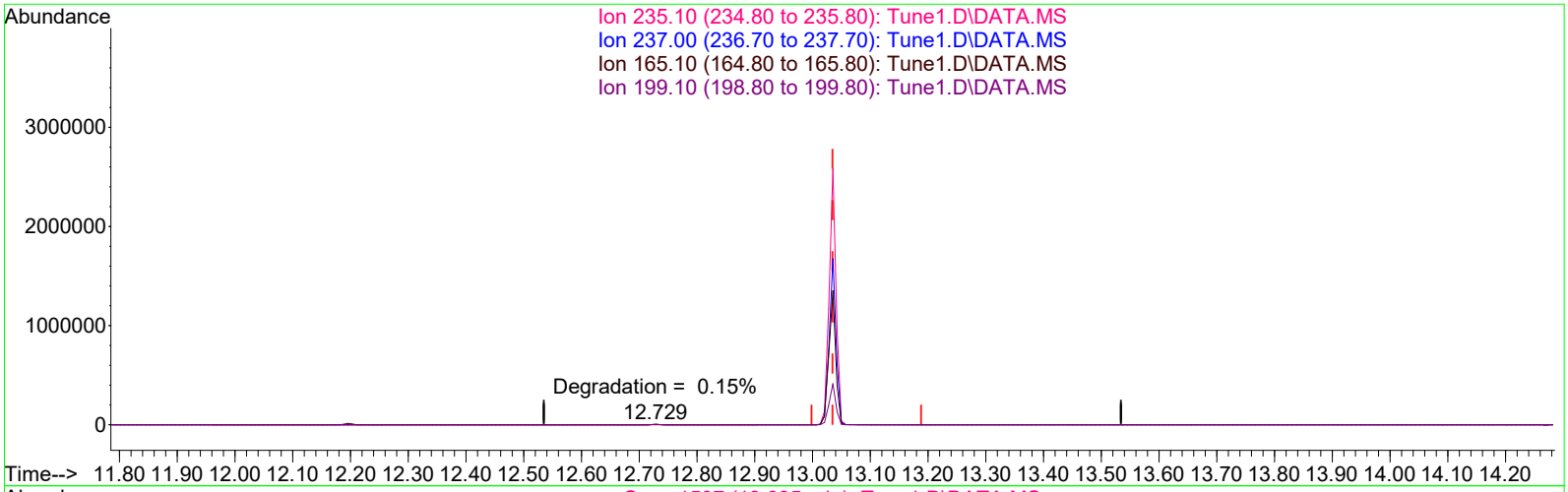
Spectrum Information: Average of 11.224 to 11.239 min.

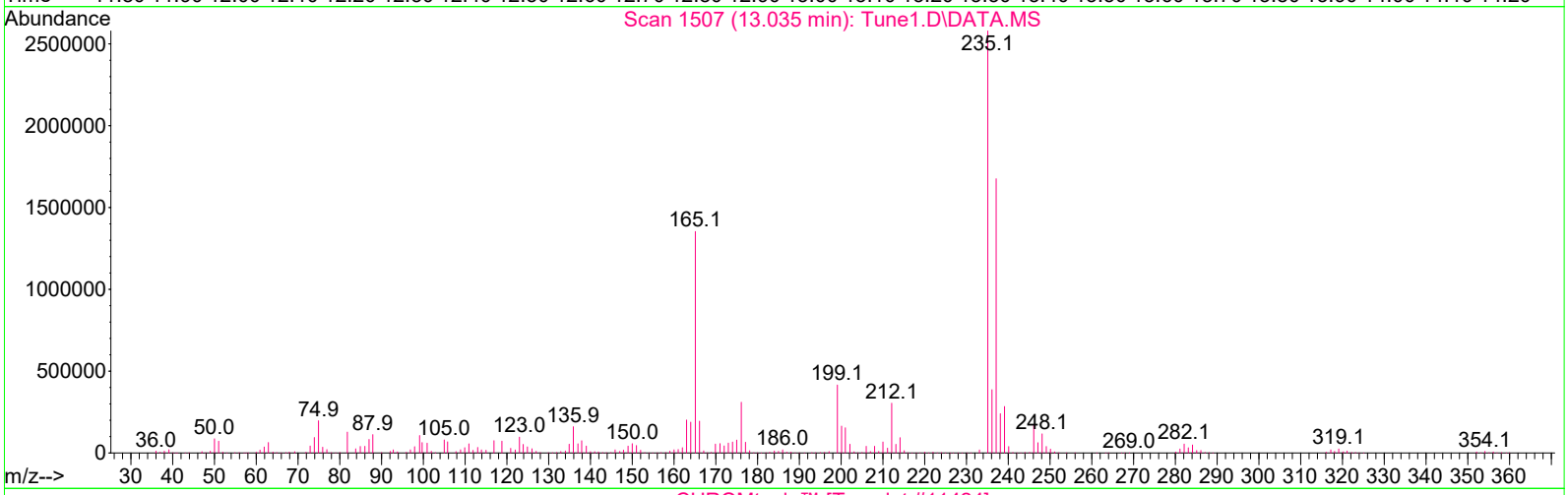
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.4	234891	PASS
68	69	0.00	2	1.5	3289	PASS
69	69	100	100	100.0	221861	PASS
70	69	0.00	2	0.5	1037	PASS
127	198	10	80	39.1	283968	PASS
197	198	0.00	2	0.4	3106	PASS
198	198	100	100	100.0	725973	PASS
199	198	5	9	6.7	48309	PASS
275	198	10	60	22.6	164291	PASS
365	198	1	100	2.7	19850	PASS
441	442	0.01	24	17.1	109827	PASS
442	198	50	100	88.4	641408	PASS
443	442	15	24	19.6	125963	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune1.D
Acq On : 4 Mar 2025 9:26 pm
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 04 21:45:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(6) DDT (T)

13.035min (+ 0.000) 397.09

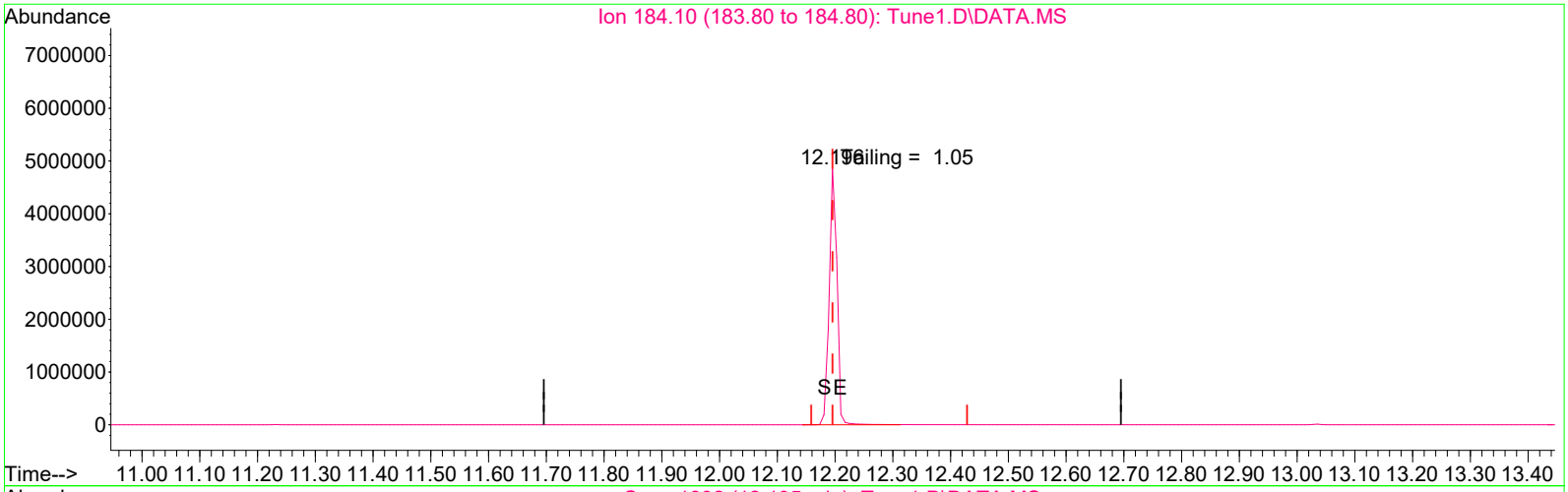
response 2420553

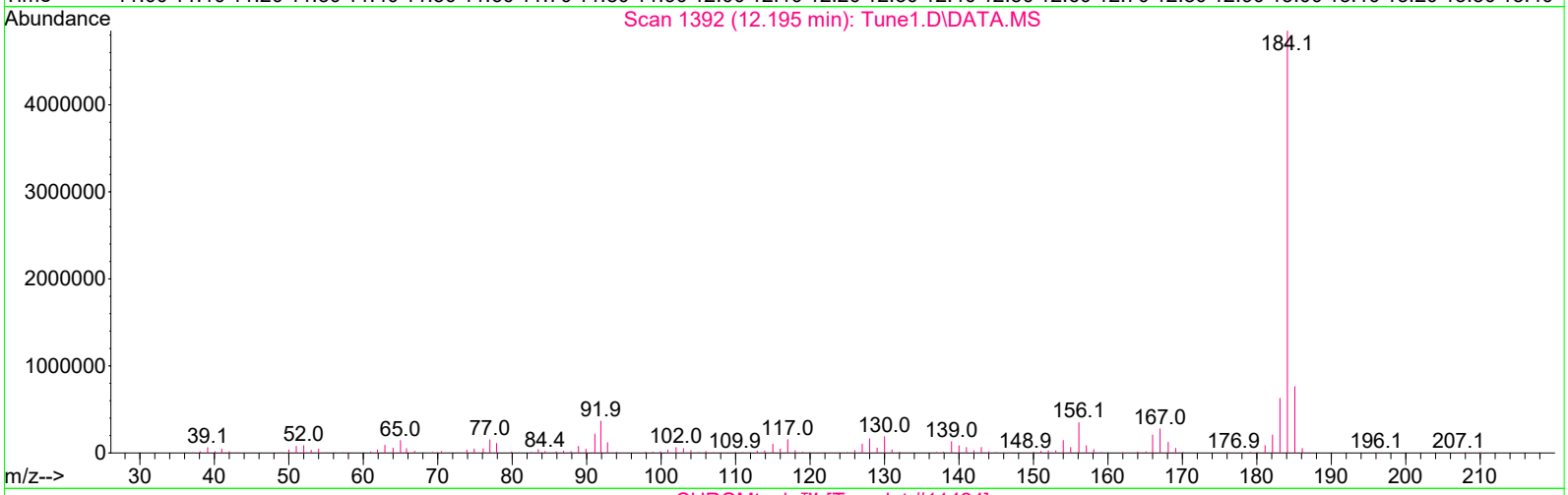
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	66.77
165.10	55.40	52.22
199.10	16.20	16.38

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune1.D
Acq On : 4 Mar 2025 9:26 pm
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 04 21:45:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(3) Benzidine (T)

12.195min (-0.001) 448.11

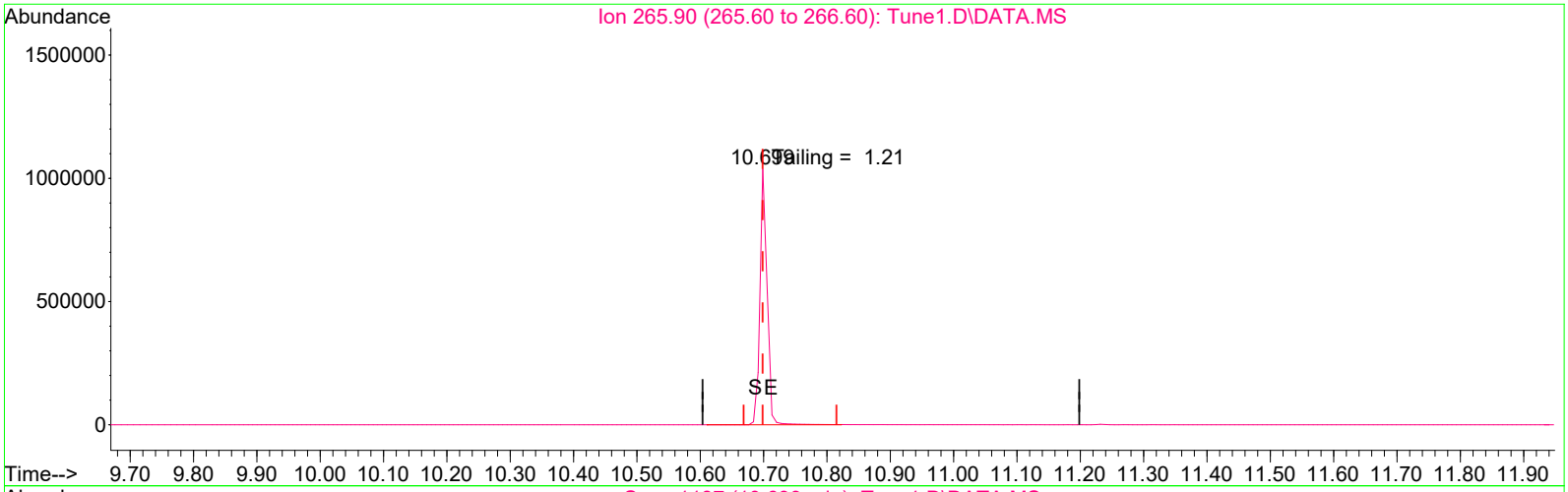
response 4561799

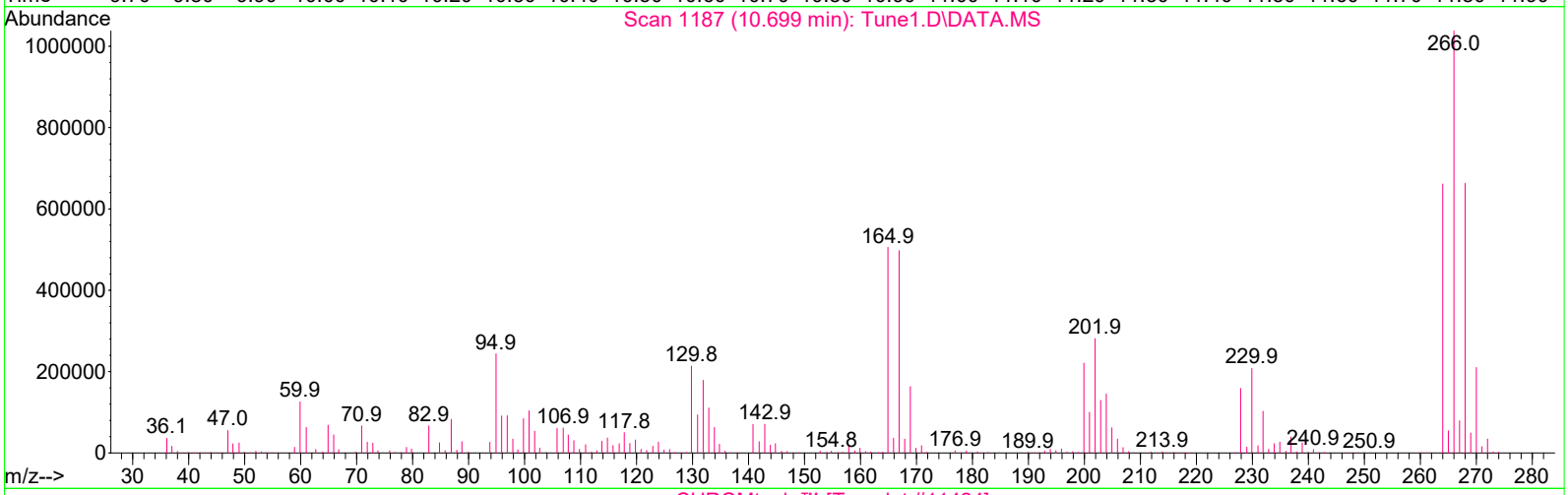
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune1.D
Acq On : 4 Mar 2025 9:26 pm
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 04 21:45:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(1) Pentachlorophenol (T)

10.699min (-0.000) 390.67

response 820555

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL9.D
Acq On : 4 Mar 2025 9:51 pm
Operator : SV107:mrg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2037043
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 05 14:27:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	103639	4.000 ug/ml	# 0.00
Standard Area 1 = 102644			Recovery = 100.97%		
35) IS1_Naphthalene-d8	7.667	136	395200	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 107.05%		
63) IS1_Acenaphthene-d10	9.431	164	273038	4.000 ug/ml	0.01
Standard Area 1 = 247025			Recovery = 110.53%		
88) IS1_Phenanthrene-d10	10.859	188	524066	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 100.96%		
104) IS1_Chrysene-d12	13.481	240	468293	4.000 ug/ml	0.00
Standard Area 1 = 519087			Recovery = 90.21%		
113) IS1_Perylene-d12	14.935	264	507112	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 100.57%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.179	112	1337305	50.825 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2541.25%#		
7) Phenol-d6	5.873	99	1652150	51.525 ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 2576.25%#		
19) Nitrobenzene-d5	6.901	82	1654086	56.688 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5668.80%#		
46) 2-Fluorobiphenyl	8.795	172	4539505	46.799 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4679.90%#		
79) 2,4,6-Tribromophenol	10.203	330	791313	57.576 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2878.80%#		
96) 4-Terphenyl-d14	12.444	244	5716202	45.211 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4521.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.911	74	899042	51.400 ug/ml#	71
3) Pyridine	1.933	79	1532245	47.808 ug/ml#	69
5) Aniline	5.805	93	2249976	55.321 ug/ml	98
6) 2-Chlorophenol	5.958	128	1520835	51.590 ug/ml	93
8) Phenol	5.890	94	1807611	50.193 ug/ml	96
9) Bis(2-chloroethyl)ether	5.950	93	1435054	49.987 ug/ml#	81
10) 1,3-Dichlorobenzene	6.145	146	1909893	48.980 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	1948798	48.471 ug/ml	94
12) 1,2-Dichlorobenzene	6.426	146	1905475	50.078 ug/ml	94
13) Benzyl alcohol	6.451	79	1286833	58.416 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.631	45	2675711	57.013 ug/ml#	62

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL9.D
Acq On : 4 Mar 2025 9:51 pm
Operator : SV107:mrg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2037043
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 05 14:27:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.631	108	1520007	57.459	ug/ml	97
16) Hexachloroethane	6.819	117	713328	53.094	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.781	70	1195009	57.333	ug/ml	95
18) 3-Methylphenol/4-Methy...	6.826	108	1575158	56.416	ug/ml	98
20) Nitrobenzene	6.924	77	1630444	55.211	ug/ml	96
21) Isophorone	7.209	82	3219465	56.729	ug/ml	99
22) 2-Nitrophenol	7.277	139	881507	63.045	ug/ml	88
23) 2,4-Dimethylphenol	7.397	107	1769272	58.807	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.480	93	1317758	32.017	ug/ml	96
25) 2,4-Dichlorophenol	7.552	162	1803177	58.983	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.624	180	2029623	51.638	ug/ml	96
36) Naphthalene	7.689	128	4752320	46.788	ug/ml	98
37) Benzoic Acid	7.603	105	1266354M3	38.866	ug/ml	
38) 4-Chloroaniline	7.783	65	655928	51.131	ug/ml	84
39) Hexachlorobutadiene	7.855	225	1159223	47.534	ug/ml	99
40) p-Chloro-m-cresol	8.319	107	1578700	58.482	ug/ml	93
41) 2-Methylnaphthalene	8.408	142	3119320	48.078	ug/ml	96
42) 1-Methylnaphthalene	8.507	115	1186992	50.993	ug/ml	95
43) Hexachlorocyclopentadiene	8.588	237	1648989	60.142	ug/ml	98
44) 2,4,6-Trichlorophenol	8.714	196	1526217	58.425	ug/ml	99
45) 2,4,5-Trichlorophenol	8.741	196	1615360	59.353	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	3797935	48.377	ug/ml	93
48) 2-Nitroaniline	9.011	138	1192107	62.133	ug/ml#	82
49) 1,4-Dinitrobenzene	9.147	168	792888	50.479	ug/ml#	61
50) 1,3-Dinitrobenzene	9.226	168	743316	58.971	ug/ml#	1
51) Dimethyl phthalate	9.226	163	4707003	49.480	ug/ml#	97
52) Acenaphthylene	9.294	152	6116169	51.119	ug/ml	95
53) 2,6-Dinitrotoluene	9.265	165	1089261	61.084	ug/ml#	70
54) 1,2-Dinitrobenzene	9.314	168	461829	60.974	ug/ml#	1
64) 3-Nitroaniline	9.421	138	1083244	61.042	ug/ml#	87
65) Acenaphthene	9.470	154	3520192	47.656	ug/ml	91
66) 2,4-Dinitrophenol	9.519	184	608722	49.403	ug/ml#	80
67) Dibenzofuran	9.637	168	5748279	45.618	ug/ml#	80
68) 2,4-Dinitrotoluene	9.656	165	1474759	57.253	ug/ml#	83
69) 4-Nitrophenol	9.617	65	835671M6	61.146	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	1306072	58.015	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.774	232	1355938	55.891	ug/ml	97
72) Diethyl phthalate	9.914	149	4735371	52.072	ug/ml	96
73) Fluorene	9.971	166	4649432	47.642	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.985	204	2232923	44.608	ug/ml#	88

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL9.D
Acq On : 4 Mar 2025 9:51 pm
Operator : SV107:mrg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2037043
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 05 14:27:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.020	138	980386	58.354	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.048	198	841096	51.516	ug/ml#	62
77)	NDPA/DPA	10.112	169	4039508	49.300	ug/ml	92
78)	Azobenzene	10.140	77	3868211M6	49.999	ug/ml	
80)	4-Bromophenyl phenyl e...	10.453	248	1478312	49.297	ug/ml#	84
81)	Hexachlorobenzene	10.506	284	1594992	45.563	ug/ml#	83
82)	Pentachlorophenol	10.699	266	1143012	59.769	ug/ml	99
89)	Phenanthrene	10.888	178	6645394	44.910	ug/ml	95
90)	Anthracene	10.940	178	6761280	47.751	ug/ml	94
91)	Carbazole	11.107	167	6604346	51.831	ug/ml	95
92)	Di-n-butylphthalate	11.502	149	7955369	60.939	ug/ml#	96
93)	Fluoranthene	12.035	202	7684091	47.441	ug/ml#	91
94)	Benzidine	12.195	184	5376294	49.837	ug/ml#	93
95)	Pyrene	12.254	202	7672074	45.141	ug/ml	93
97)	Butyl benzyl phthalate	12.962	149	3653238	51.700	ug/ml#	83
105)	Benzo(a)anthracene	13.474	228	6921591	47.338	ug/ml	95
106)	3,3'-Dichlorobenzidine	13.481	252	2787233	59.100	ug/ml#	96
107)	Chrysene	13.513	228	6530743	45.244	ug/ml	93
108)	Bis(2-ethylhexyl)phtha...	13.600	149	5160354	49.405	ug/ml#	99
109)	Di-n-octylphthalate	14.274	149	8719510	49.282	ug/ml#	73
110)	Benzo(b)fluoranthene	14.576	252	7858282	55.434	ug/ml#	93
111)	Benzo(k)fluoranthene	14.608	252	5945430	48.422	ug/ml#	92
112)	Benzo(a)pyrene	14.895	252	6831932	57.832	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.916	276	6907649M6	54.213	ug/mL	
115)	Dibenzo(a,h)anthracene	15.939	278	6677568	52.646	ug/ml#	90
116)	Benzo(ghi)perylene	16.154	276	5661125	44.178	ug/ml#	88

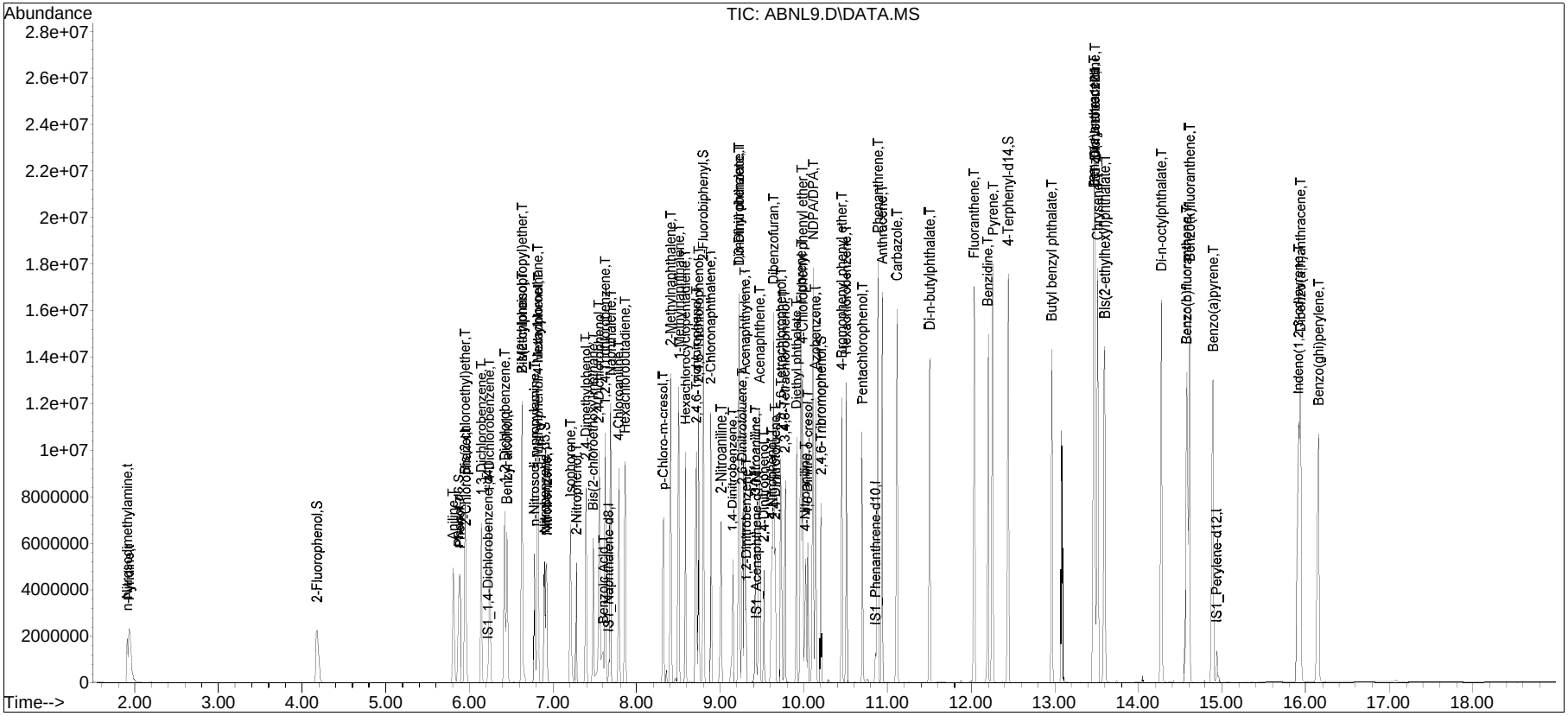
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL9.D
Acq On : 4 Mar 2025 9:51 pm
Operator : SV107:mrg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2037043
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 05 14:27:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

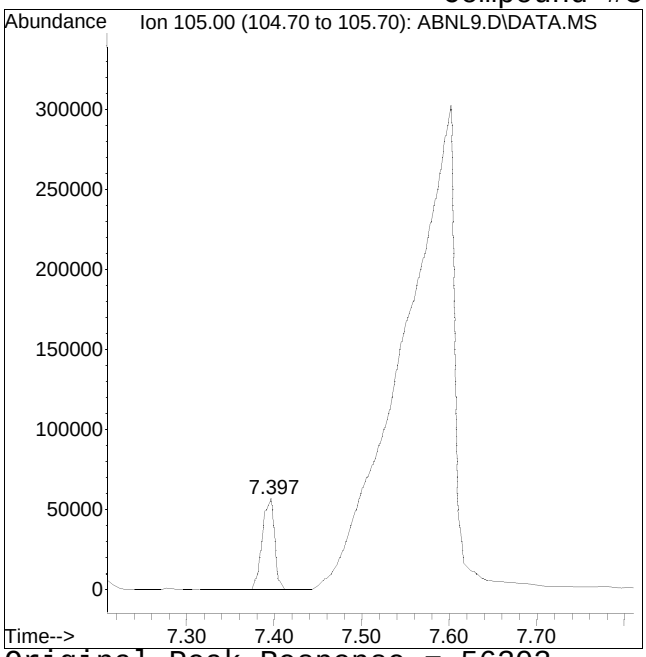
Sub List : ABNical - ABN ical sublistal\ABNL6.D•

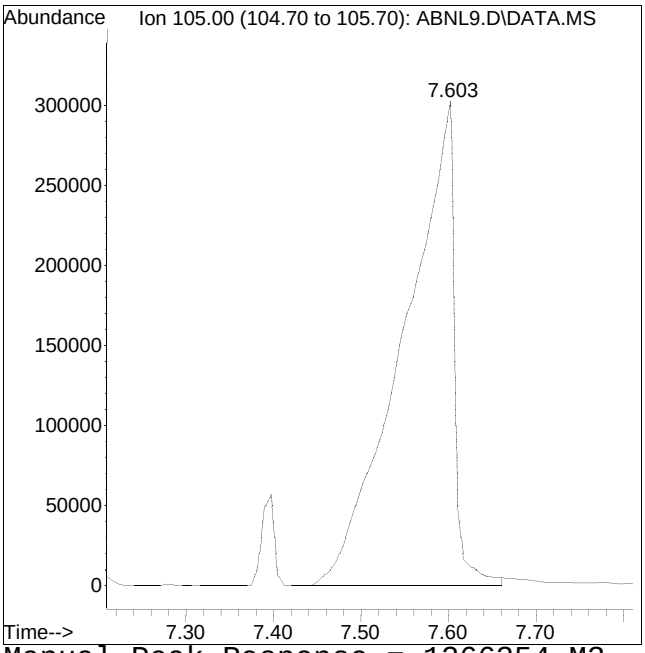


Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL9.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 9:51 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/5/2025 2:28 pm

Compound #37: Benzoic Acid





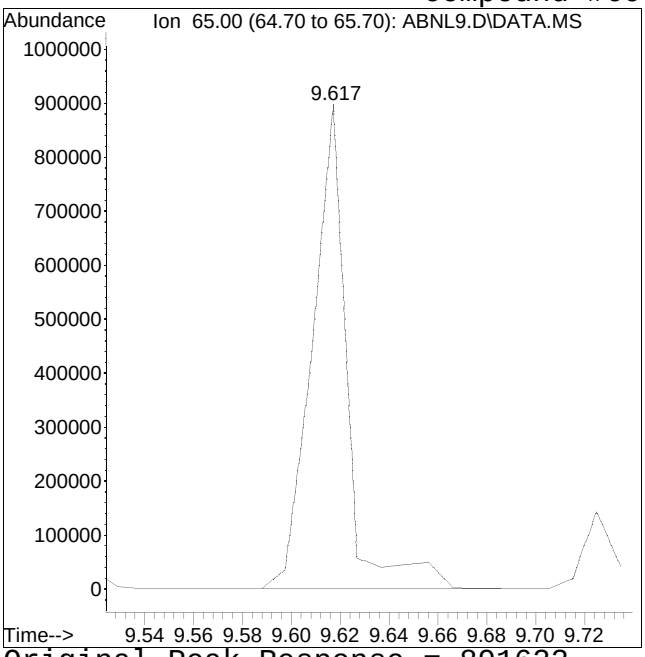
Original Peak Response = 56303 Manual Peak Response = 1266354 M3

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

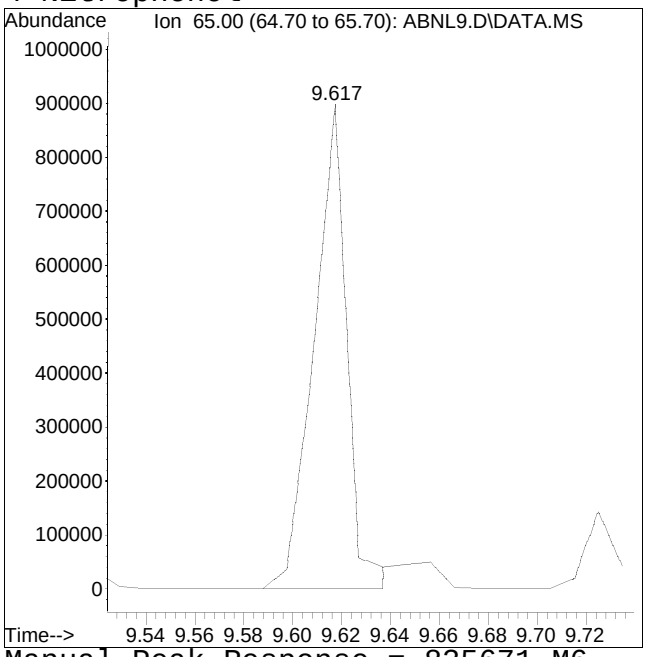
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL9.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 9:51 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/5/2025 2:28 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 891622



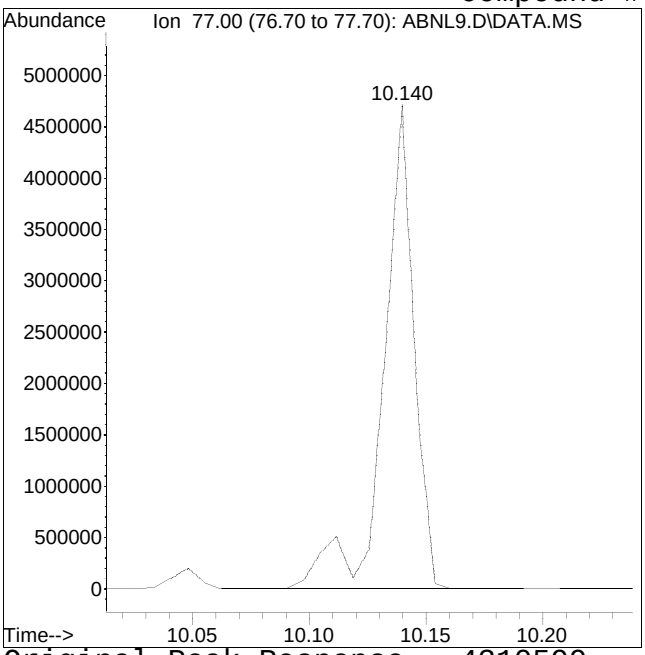
Manual Peak Response = 835671 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

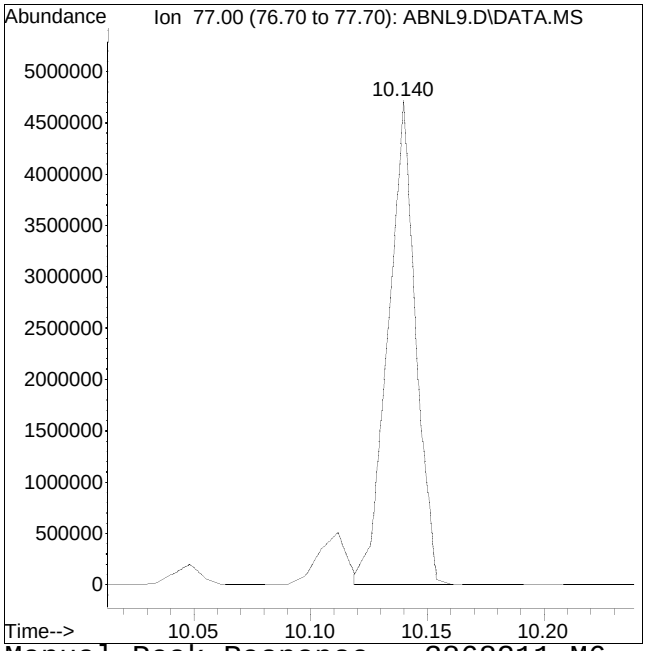
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL9.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 9:51 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/5/2025 2:28 pm

Compound #78: Azobenzene



Original Peak Response = 4310599



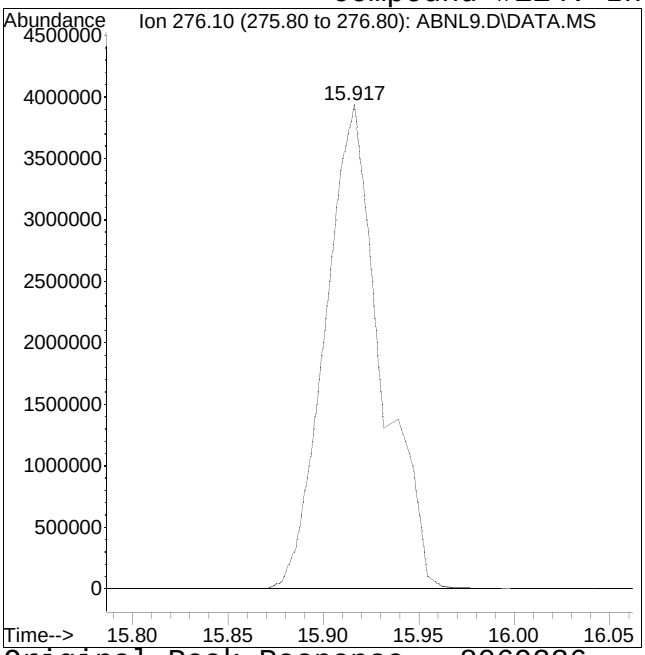
Manual Peak Response = 3868211 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

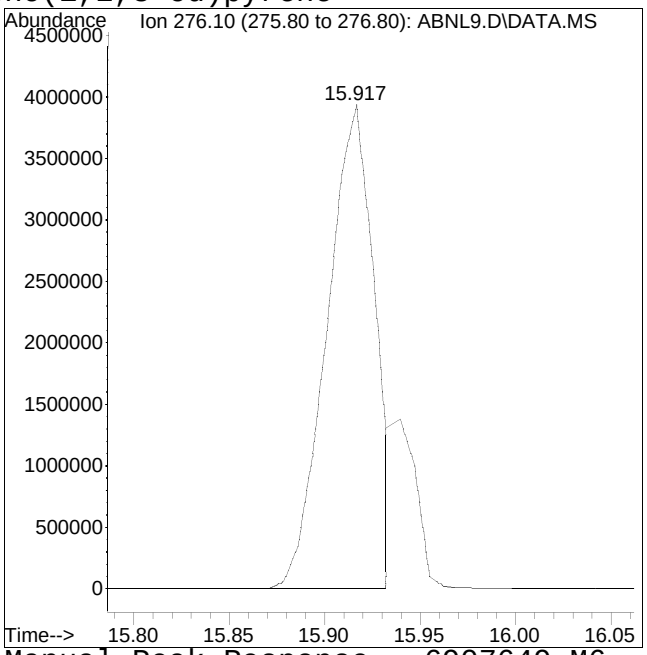
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL9.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 9:51 pm Instrument : SV107
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/5/2025 2:28 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 8069236



Manual Peak Response = 6907649 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL8.D
Acq On : 4 Mar 2025 10:16 pm
Operator : SV107:mrg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2037043
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:27:00 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	101112	4.000 ug/ml	# 0.00
Standard Area 1 = 102644			Recovery = 98.51%		
35) IS1_Naphthalene-d8	7.667	136	380056	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 102.95%		
63) IS1_Acenaphthene-d10	9.431	164	266626	4.000 ug/ml	0.01
Standard Area 1 = 247025			Recovery = 107.93%		
88) IS1_Phenanthrene-d10	10.859	188	526749	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 101.47%		
104) IS1_Chrysene-d12	13.481	240	493135	4.000 ug/ml	0.00
Standard Area 1 = 519087			Recovery = 95.00%		
113) IS1_Perylene-d12	14.935	264	497296	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 98.63%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.179	112	689758	26.870 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1343.50%#		
7) Phenol-d6	5.865	99	844935	27.009 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1350.45%#		
19) Nitrobenzene-d5	6.894	82	816443	28.680 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2868.00%#		
46) 2-Fluorobiphenyl	8.795	172	2350000	25.192 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2519.20%#		
79) 2,4,6-Tribromophenol	10.196	330	388629	28.957 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1447.85%#		
96) 4-Terphenyl-d14	12.436	244	3204336	25.215 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2521.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.911	74	467268	27.382 ug/ml#	72
3) Pyridine	1.933	79	757043	24.211 ug/ml#	71
5) Aniline	5.805	93	1129809	28.474 ug/ml	99
6) 2-Chlorophenol	5.950	128	763852	26.559 ug/ml	94
8) Phenol	5.882	94	916210	26.077 ug/ml	97
9) Bis(2-chloroethyl)ether	5.941	93	712870	25.452 ug/ml#	78
10) 1,3-Dichlorobenzene	6.145	146	958680	25.200 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	972640	24.796 ug/ml	95
12) 1,2-Dichlorobenzene	6.426	146	941758	25.369 ug/ml	94
13) Benzyl alcohol	6.443	79	627824	29.212 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.631	45	1199737	26.202 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL8.D
Acq On : 4 Mar 2025 10:16 pm
Operator : SV107:mrg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2037043
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:27:00 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.624	108	732611	28.386	ug/ml	98
16) Hexachloroethane	6.819	117	356627	27.208	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.774	70	595301	29.275	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.819	108	774113	28.419	ug/ml	97
20) Nitrobenzene	6.916	77	813250	28.227	ug/ml	97
21) Isophorone	7.202	82	1603996	28.970	ug/ml	99
22) 2-Nitrophenol	7.277	139	425607	31.200	ug/ml	89
23) 2,4-Dimethylphenol	7.390	107	858777	29.257	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.480	93	1144189	28.494	ug/ml	95
25) 2,4-Dichlorophenol	7.545	162	880063	29.507	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.624	180	996731	25.993	ug/ml	97
36) Naphthalene	7.689	128	2400251	24.573	ug/ml	99
37) Benzoic Acid	7.560	105	598495M4	25.044	ug/ml	
38) 4-Chloroaniline	7.775	65	318667	25.831	ug/ml	86
39) Hexachlorobutadiene	7.855	225	561465	23.941	ug/ml	99
40) p-Chloro-m-cresol	8.310	107	762107	29.357	ug/ml	95
41) 2-Methylnaphthalene	8.408	142	1590062	25.484	ug/ml	95
42) 1-Methylnaphthalene	8.498	115	551501	24.637	ug/ml	92
43) Hexachlorocyclopentadiene	8.588	237	758467	28.765	ug/ml	98
44) 2,4,6-Trichlorophenol	8.705	196	738069	29.380	ug/ml	99
45) 2,4,5-Trichlorophenol	8.741	196	779213	29.772	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	1854898	24.569	ug/ml	93
48) 2-Nitroaniline	9.002	138	567480	30.756	ug/ml#	81
49) 1,4-Dinitrobenzene	9.147	168	398643	26.587	ug/ml#	60
50) 1,3-Dinitrobenzene	9.216	168	364981	30.109	ug/ml#	1
51) Dimethyl phthalate	9.216	163	2412096	26.366	ug/ml#	98
52) Acenaphthylene	9.284	152	3024256	26.284	ug/ml	98
53) 2,6-Dinitrotoluene	9.255	165	491783	28.677	ug/ml#	77
54) 1,2-Dinitrobenzene	9.304	168	221439	30.401	ug/ml#	1
64) 3-Nitroaniline	9.412	138	516531	29.807	ug/ml	88
65) Acenaphthene	9.461	154	1700954	23.581	ug/ml	91
66) 2,4-Dinitrophenol	9.509	184	285488	26.583	ug/ml#	79
67) Dibenzofuran	9.627	168	2897828	23.550	ug/ml#	85
68) 2,4-Dinitrotoluene	9.647	165	724473	28.802	ug/ml#	83
69) 4-Nitrophenol	9.607	65	392542M6	29.413	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	661987	30.112	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.764	232	630998	26.635	ug/ml	97
72) Diethyl phthalate	9.907	149	2343470	26.390	ug/ml	96
73) Fluorene	9.964	166	2345773	24.615	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.985	204	1123325	22.981	ug/ml#	87

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL8.D
Acq On : 4 Mar 2025 10:16 pm
Operator : SV107:mrg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2037043
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:27:00 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.006	138	494352	30.132	ug/ml	84
76)	4,6-Dinitro-o-cresol	10.041	198	404252	25.569	ug/ml#	58
77)	NDPA/DPA	10.105	169	2032682	25.404	ug/ml	92
78)	Azobenzene	10.133	77	1964810	26.007	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.453	248	722071	24.658	ug/ml#	84
81)	Hexachlorobenzene	10.506	284	787160	23.027	ug/ml#	83
82)	Pentachlorophenol	10.699	266	554577	29.697	ug/ml	99
89)	Phenanthrene	10.881	178	3584679	24.102	ug/ml	98
90)	Anthracene	10.932	178	3621923	25.449	ug/ml	97
91)	Carbazole	11.100	167	3452655	26.958	ug/ml	97
92)	Di-n-butylphthalate	11.494	149	4224043	32.192	ug/ml	97
93)	Fluoranthene	12.035	202	4184312	25.702	ug/ml#	91
94)	Benzidine	12.188	184	2790451	25.906	ug/ml#	93
95)	Pyrene	12.247	202	4210491	24.648	ug/ml	96
97)	Butyl benzyl phthalate	12.962	149	1802057	25.614	ug/ml#	84
105)	Benzo(a)anthracene	13.466	228	4087788	26.549	ug/ml	96
106)	3,3'-Dichlorobenzidine	13.474	252	1556933	31.350	ug/ml#	97
107)	Chrysene	13.505	228	3433830	22.591	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	13.592	149	2653741	26.608	ug/ml#	98
109)	Di-n-octylphthalate	14.274	149	4578305	26.955	ug/ml#	73
110)	Benzo(b)fluoranthene	14.569	252	3956222	26.502	ug/ml#	94
111)	Benzo(k)fluoranthene	14.600	252	3355371	25.951	ug/ml#	93
112)	Benzo(a)pyrene	14.879	252	3562486	28.637	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.901	276	3579066M6	28.644	ug/mL	
115)	Dibenzo(a,h)anthracene	15.924	278	3393776	27.285	ug/ml#	89
116)	Benzo(ghi)perylene	16.146	276	3297796	26.243	ug/ml#	88

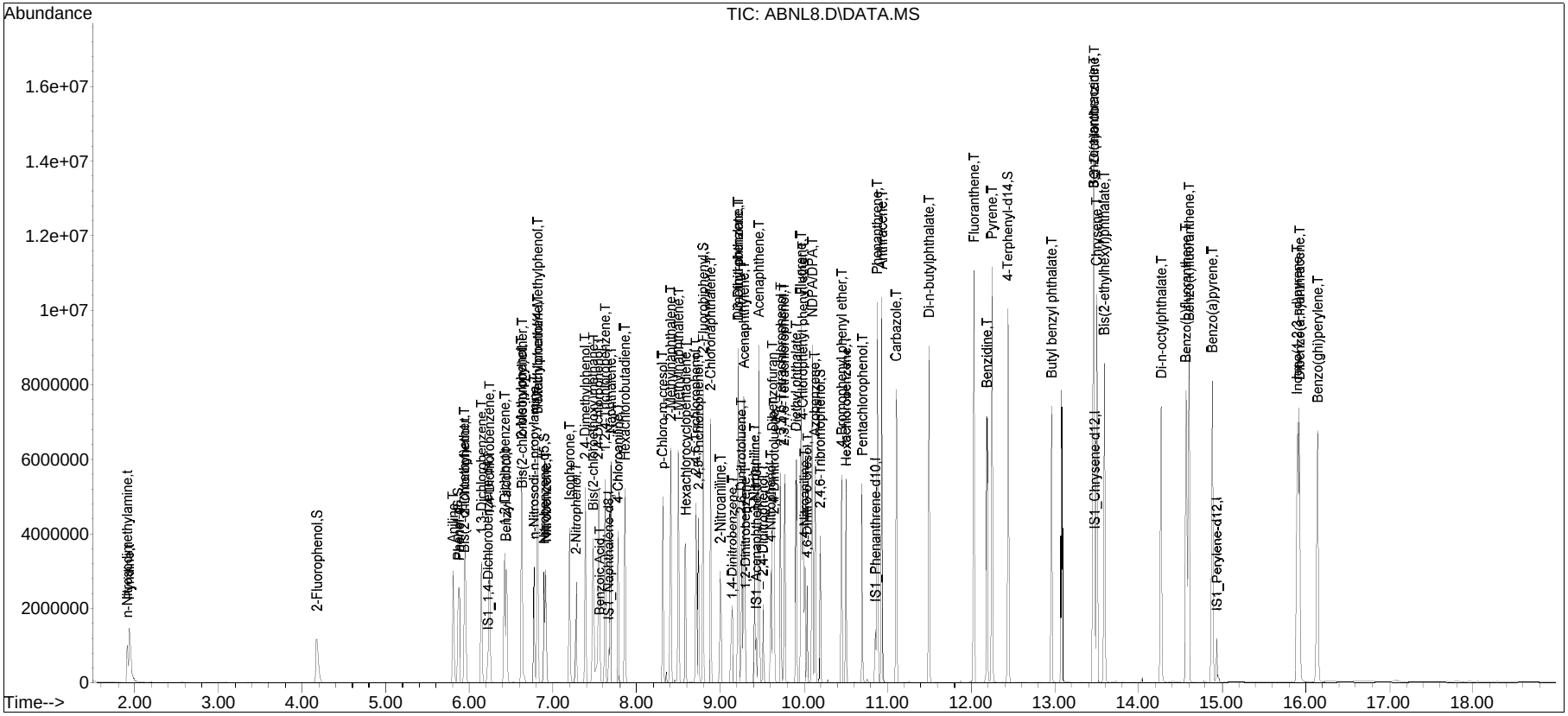
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL8.D
Acq On : 4 Mar 2025 10:16 pm
Operator : SV107:mrg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2037043
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 05 14:27:00 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

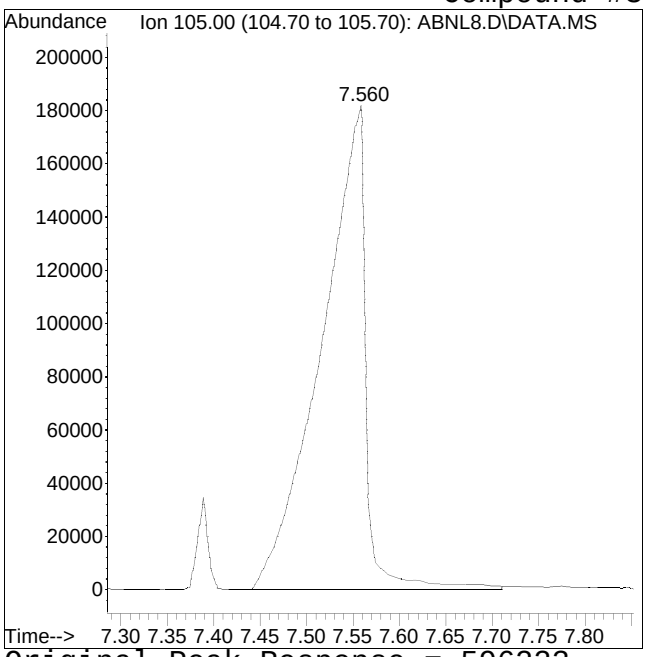
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



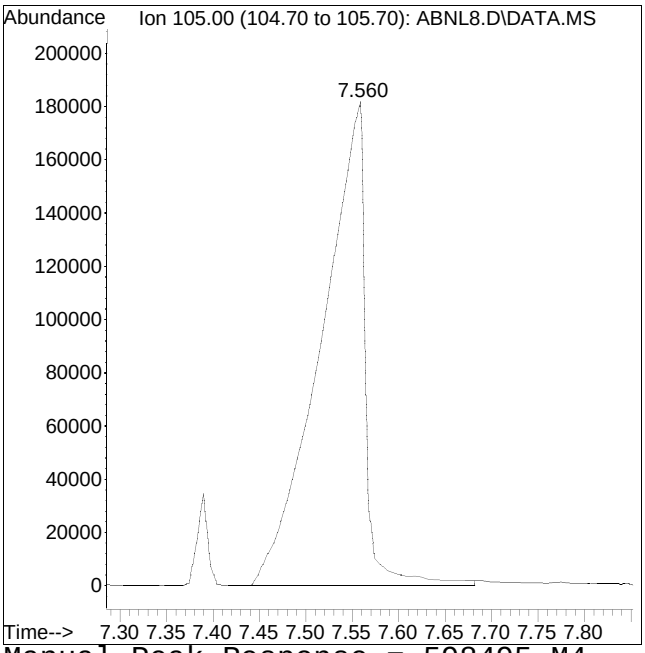
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL8.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 10:16 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/5/2025 2:27 pm

Compound #37: Benzoic Acid



Original Peak Response = 596223



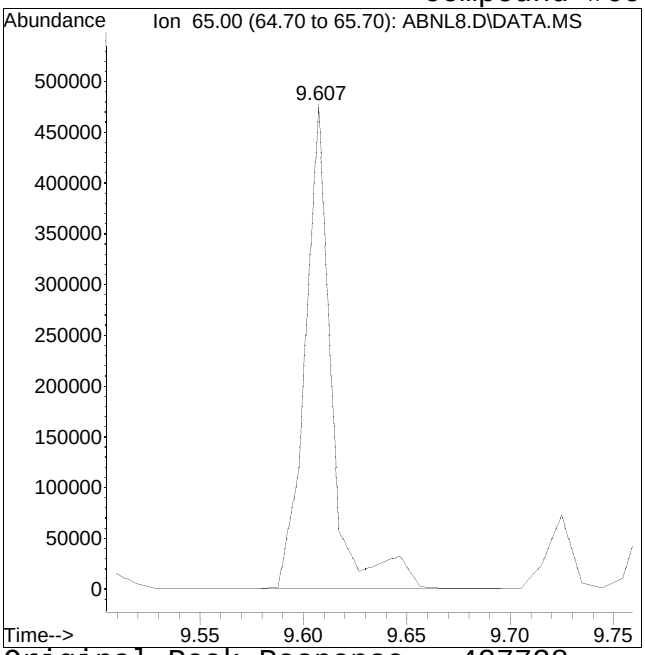
Manual Peak Response = 598495 M4

M4 = Poor automated baseline construction.

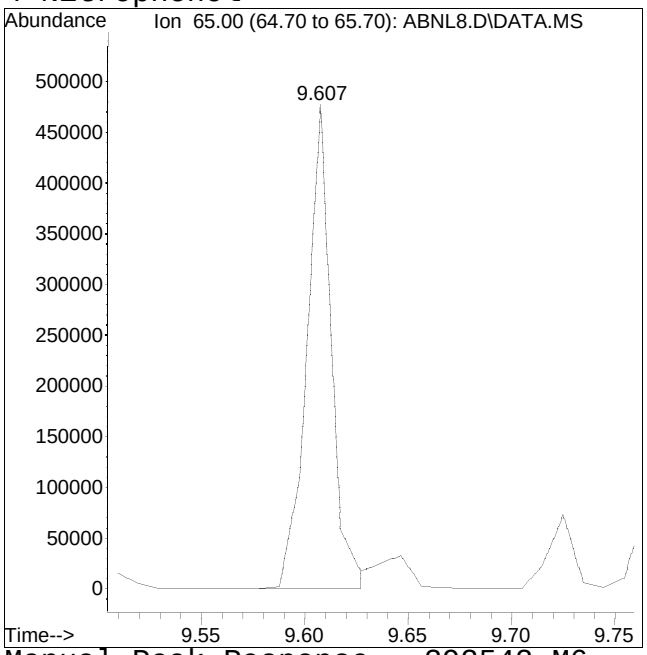
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL8.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 10:16 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 427738



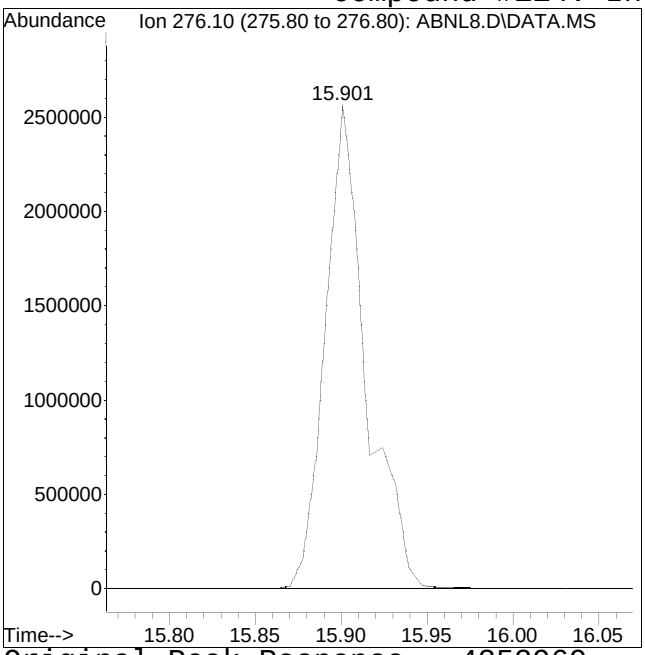
Manual Peak Response = 392542 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

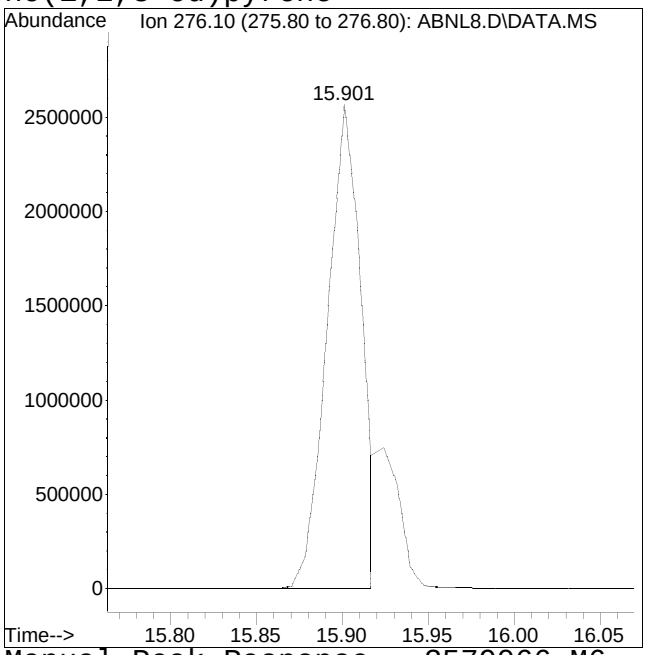
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL8.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 10:16 pm Instrument : SV107
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4252969



Manual Peak Response = 3579066 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL7.D
Acq On : 4 Mar 2025 10:42 pm
Operator : SV107:mrg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2037043
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 14:26:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	93779	4.000 ug/ml	# 0.00
Standard Area 1 = 102644			Recovery = 91.36%		
35) IS1_Naphthalene-d8	7.660	136	341910	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 92.62%		
63) IS1_Acenaphthene-d10	9.431	164	224328	4.000 ug/ml	0.01
Standard Area 1 = 247025			Recovery = 90.81%		
88) IS1_Phenanthrene-d10	10.859	188	450961	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 86.87%		
104) IS1_Chrysene-d12	13.474	240	449437	4.000 ug/ml	# 0.00
Standard Area 1 = 519087			Recovery = 86.58%		
113) IS1_Perylene-d12	14.927	264	444801	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 88.22%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.172	112	249751	10.490 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 524.50%#		
7) Phenol-d6	5.856	99	298407	10.285 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 514.25%#		
19) Nitrobenzene-d5	6.894	82	279031	10.568 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1056.80%#		
46) 2-Fluorobiphenyl	8.795	172	778962	9.282 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 928.20%#		
79) 2,4,6-Tribromophenol	10.196	330	120727	10.692 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 534.60%#		
96) 4-Terphenyl-d14	12.436	244	1080539	9.932 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 993.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.904	74	161786	10.222 ug/ml#	71
3) Pyridine	1.933	79	294920	10.169 ug/ml#	70
5) Aniline	5.806	93	401443	10.908 ug/ml	98
6) 2-Chlorophenol	5.950	128	276559	10.368 ug/ml	94
8) Phenol	5.873	94	326982	10.034 ug/ml	97
9) Bis(2-chloroethyl)ether	5.941	93	253326	9.752 ug/ml#	78
10) 1,3-Dichlorobenzene	6.137	146	339401	9.619 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	350806	9.643 ug/ml	95
12) 1,2-Dichlorobenzene	6.426	146	334794	9.724 ug/ml	94
13) Benzyl alcohol	6.443	79	209052	10.488 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.631	45	415281	9.779 ug/ml#	57

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL7.D
Acq On : 4 Mar 2025 10:42 pm
Operator : SV107:mrg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2037043
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 14:26:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.624	108	242772	10.142	ug/ml	96
16) Hexachloroethane	6.811	117	124170	10.214	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.774	70	194741	10.326	ug/ml	93
18) 3-Methylphenol/4-Methy...	6.811	108	262063	10.373	ug/ml	99
20) Nitrobenzene	6.917	77	283010	10.591	ug/ml	98
21) Isophorone	7.194	82	539613	10.508	ug/ml	98
22) 2-Nitrophenol	7.277	139	131886	10.424	ug/ml	89
23) 2,4-Dimethylphenol	7.382	107	284646	10.456	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.472	93	379305	10.185	ug/ml	96
25) 2,4-Dichlorophenol	7.545	162	292928	10.589	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.617	180	341444	9.600	ug/ml	97
36) Naphthalene	7.682	128	831917	9.467	ug/ml	99
37) Benzoic Acid	7.509	105	140079	9.889	ug/ml	94
38) 4-Chloroaniline	7.775	65	110370	9.945	ug/ml	85
39) Hexachlorobutadiene	7.855	225	199786	9.469	ug/ml	99
40) p-Chloro-m-cresol	8.310	107	247476	10.596	ug/ml	94
41) 2-Methylnaphthalene	8.409	142	543791	9.688	ug/ml	96
42) 1-Methylnaphthalene	8.498	115	190706	9.470	ug/ml	91
43) Hexachlorocyclopentadiene	8.579	237	241742	10.191	ug/ml	100
44) 2,4,6-Trichlorophenol	8.705	196	237234	10.497	ug/ml	99
45) 2,4,5-Trichlorophenol	8.732	196	243892	10.358	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	632520	9.313	ug/ml	92
48) 2-Nitroaniline	9.002	138	179670	10.824	ug/ml#	82
49) 1,4-Dinitrobenzene	9.138	168	118961	9.094	ug/ml#	62
50) 1,3-Dinitrobenzene	9.216	168	113260	10.386	ug/ml#	1
51) Dimethyl phthalate	9.206	163	793208	9.638	ug/ml#	98
52) Acenaphthylene	9.284	152	1050760	10.151	ug/ml	98
53) 2,6-Dinitrotoluene	9.255	165	162601	10.540	ug/ml#	74
54) 1,2-Dinitrobenzene	9.294	168	73077	11.152	ug/ml#	1
64) 3-Nitroaniline	9.402	138	163929	11.243	ug/ml	87
65) Acenaphthene	9.461	154	554430	9.136	ug/ml	89
66) 2,4-Dinitrophenol	9.510	184	81065	9.934	ug/ml#	79
67) Dibenzofuran	9.627	168	980849	9.474	ug/ml	88
68) 2,4-Dinitrotoluene	9.637	165	222096	10.494	ug/ml#	83
69) 4-Nitrophenol	9.598	65	118292M6	10.535	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	210150	11.362	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.764	232	241287	12.105	ug/ml	97
72) Diethyl phthalate	9.900	149	742308	9.935	ug/ml	96
73) Fluorene	9.957	166	779505	9.722	ug/ml	94
74) 4-Chlorophenyl phenyl ...	9.978	204	380410	9.250	ug/ml#	87

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL7.D
Acq On : 4 Mar 2025 10:42 pm
Operator : SV107:mrg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2037043
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 14:26:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	159165	11.531	ug/ml	84
76)	4,6-Dinitro-o-cresol	10.034	198	114912	8.918	ug/ml#	57
77)	NDPA/DPA	10.098	169	660970	9.818	ug/ml	93
78)	Azobenzene	10.133	77	649747	10.222	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.446	248	234901	9.534	ug/ml#	84
81)	Hexachlorobenzene	10.498	284	263592	9.165	ug/ml#	83
82)	Pentachlorophenol	10.699	266	165931	10.561	ug/ml	100
89)	Phenanthrene	10.881	178	1209322	9.498	ug/ml	99
90)	Anthracene	10.932	178	1211687	9.945	ug/ml	98
91)	Carbazole	11.100	167	1128807	10.295	ug/ml	98
92)	Di-n-butylphthalate	11.495	149	1311887	11.678	ug/ml	98
93)	Fluoranthene	12.028	202	1424709	10.222	ug/ml#	92
94)	Benzidine	12.188	184	889532	9.867	ug/ml#	93
95)	Pyrene	12.239	202	1503201	10.278	ug/ml	99
97)	Butyl benzyl phthalate	12.955	149	508643	8.763	ug/ml	85
105)	Benzo(a)anthracene	13.466	228	1421407	10.129	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.466	252	536817	11.860	ug/ml#	97
107)	Chrysene	13.497	228	1253277	9.047	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.592	149	799913	9.618	ug/ml#	97
109)	Di-n-octylphthalate	14.266	149	1334918	9.542	ug/ml#	73
110)	Benzo(b)fluoranthene	14.561	252	1512986	11.121	ug/ml#	92
111)	Benzo(k)fluoranthene	14.585	252	1095481	9.296	ug/ml#	96
112)	Benzo(a)pyrene	14.872	252	1214108	10.709	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.894	276	1219567M6	10.912	ug/mL	
115)	Dibenzo(a,h)anthracene	15.917	278	1175808	10.569	ug/ml#	89
116)	Benzo(ghi)perylene	16.131	276	1175763	10.461	ug/ml#	87

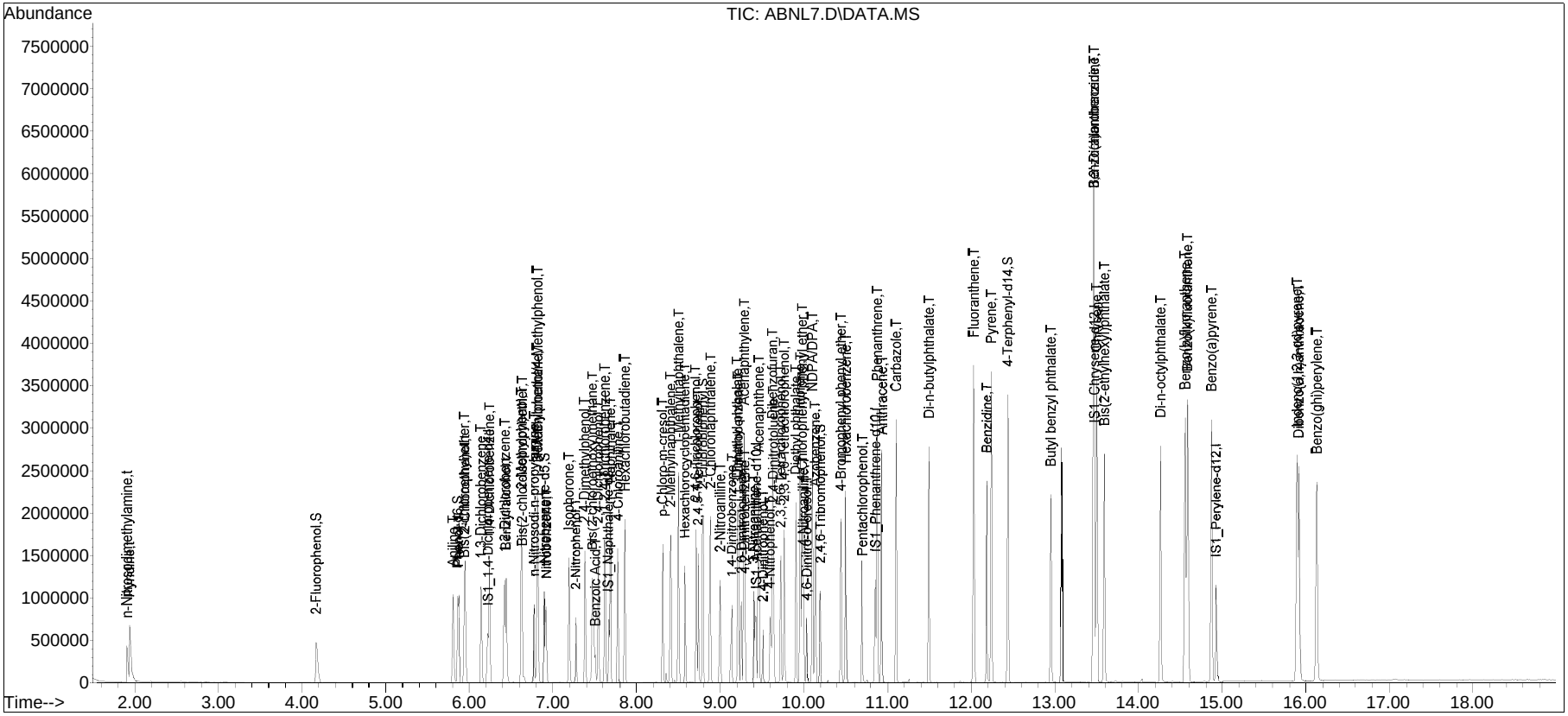
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL7.D
Acq On : 4 Mar 2025 10:42 pm
Operator : SV107:mrg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2037043
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 05 14:26:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

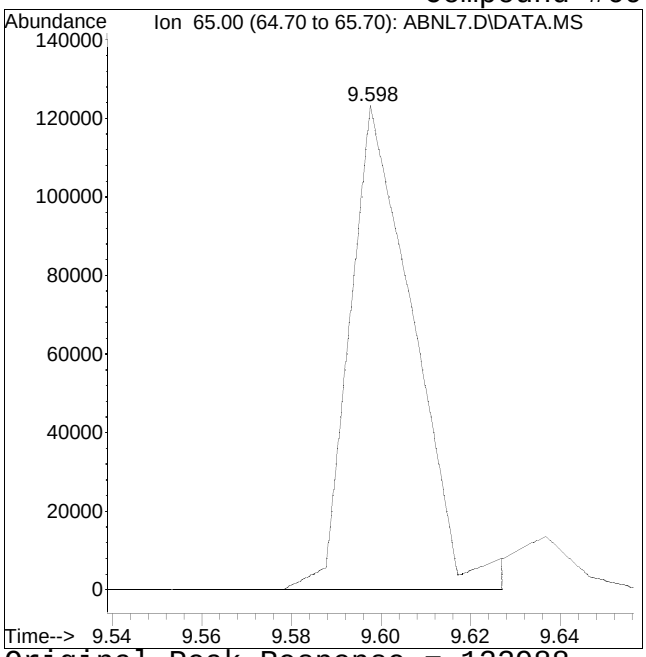
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



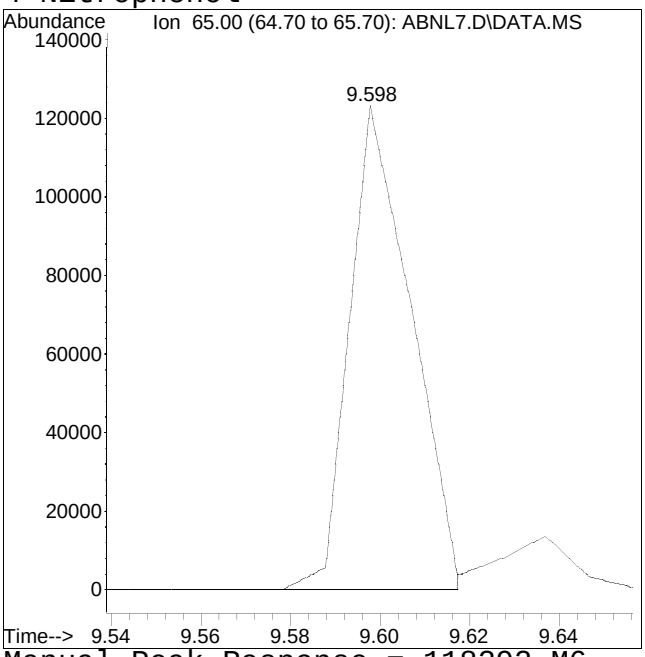
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL7.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 10:42 pm Instrument : SV107
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 122988



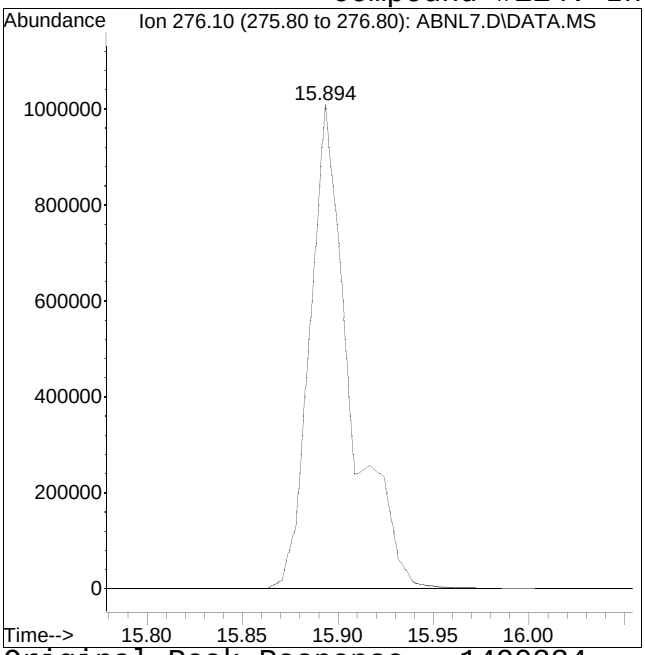
Manual Peak Response = 118292 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

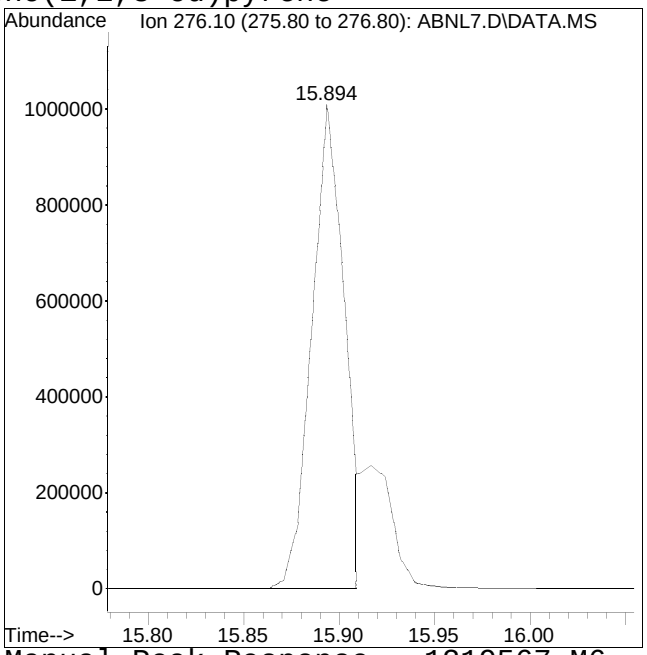
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL7.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 10:42 pm Instrument : SV107
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1490234



Manual Peak Response = 1219567 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL6.D
Acq On : 4 Mar 2025 11:07 pm
Operator : SV107:mrg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2037043
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:26:41 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	102644	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery = 100.00%		
35) IS1_Naphthalene-d8	7.660	136	369160	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	9.421	164	247025	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	10.859	188	519096	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 100.00%		
104) IS1_Chrysene-d12	13.473	240	519087	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery = 100.00%		
113) IS1_Perylene-d12	14.927	264	504221	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.179	112	130210	4.997 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.85%#		
7) Phenol-d6	5.856	99	159949	5.037 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.85%#		
19) Nitrobenzene-d5	6.894	82	147010	5.087 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 508.70%#		
46) 2-Fluorobiphenyl	8.786	172	437377	4.827 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 482.70%#		
79) 2,4,6-Tribromophenol	10.196	330	67453	5.425 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 271.25%#		
96) 4-Terphenyl-d14	12.436	244	634838	5.069 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 506.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.918	74	89774	5.182 ug/ml#	74
3) Pyridine	1.947	79	150730	4.749 ug/ml#	69
5) Aniline	5.805	93	209649	5.205 ug/ml	99
6) 2-Chlorophenol	5.950	128	145248	4.975 ug/ml	95
8) Phenol	5.873	94	176496	4.948 ug/ml	98
9) Bis(2-chloroethyl)ether	5.941	93	136545	4.802 ug/ml#	78
10) 1,3-Dichlorobenzene	6.145	146	185622	4.807 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	187017	4.697 ug/ml	95
12) 1,2-Dichlorobenzene	6.426	146	179619	4.766 ug/ml	94
13) Benzyl alcohol	6.442	79	111556	5.113 ug/ml	98
14) Bis(2-chloroisopropyl)...	6.631	45	225031	4.841 ug/ml#	58

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL6.D
Acq On : 4 Mar 2025 11:07 pm
Operator : SV107:mrg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2037043
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:26:41 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.623	108	131764	5.029	ug/ml	98
16) Hexachloroethane	6.819	117	65082	4.891	ug/ml#	47
17) n-Nitrosodi-n-propylamine	6.774	70	106020	5.136	ug/ml	93
18) 3-Methylphenol/4-Methy...	6.811	108	139512	5.045	ug/ml	96
20) Nitrobenzene	6.916	77	150579	5.148	ug/ml	98
21) Isophorone	7.194	82	286537	5.098	ug/ml	98
22) 2-Nitrophenol	7.277	139	67459	4.871	ug/ml	89
23) 2,4-Dimethylphenol	7.382	107	153846	5.163	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.472	93	215254	5.281	ug/ml	95
25) 2,4-Dichlorophenol	7.545	162	156280	5.162	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.617	180	183648	4.718	ug/ml	97
36) Naphthalene	7.682	128	450202	4.745	ug/ml	99
37) Benzoic Acid	7.480	105	57369	4.581	ug/ml	93
38) 4-Chloroaniline	7.775	65	58313	4.866	ug/ml	84
39) Hexachlorobutadiene	7.854	225	106695	4.684	ug/ml	98
40) p-Chloro-m-cresol	8.309	107	131445	5.213	ug/ml	94
41) 2-Methylnaphthalene	8.408	142	292285	4.823	ug/ml	95
42) 1-Methylnaphthalene	8.498	115	106228	4.885	ug/ml	92
43) Hexachlorocyclopentadiene	8.579	237	129135	5.042	ug/ml	99
44) 2,4,6-Trichlorophenol	8.705	196	127011	5.205	ug/ml	99
45) 2,4,5-Trichlorophenol	8.732	196	130933	5.150	ug/ml	100
47) 2-Chloronaphthalene	8.885	162	348146	4.747	ug/ml	93
48) 2-Nitroaniline	9.002	138	90714	5.062	ug/ml	83
49) 1,4-Dinitrobenzene	9.137	168	56109	4.204	ug/ml#	59
50) 1,3-Dinitrobenzene	9.216	168	60232	5.116	ug/ml#	1
51) Dimethyl phthalate	9.206	163	455642	5.128	ug/ml#	99
52) Acenaphthylene	9.284	152	567454	5.077	ug/ml	99
53) 2,6-Dinitrotoluene	9.245	165	88008	5.284	ug/ml#	75
54) 1,2-Dinitrobenzene	9.294	168	39330	5.559	ug/ml#	1
64) 3-Nitroaniline	9.402	138	90725	5.651	ug/ml#	89
65) Acenaphthene	9.460	154	307961	4.608	ug/ml	89
66) 2,4-Dinitrophenol	9.509	184	39478	4.639	ug/ml#	80
67) Dibenzofuran	9.627	168	552270	4.844	ug/ml	89
68) 2,4-Dinitrotoluene	9.637	165	124176	5.328	ug/ml	84
69) 4-Nitrophenol	9.598	65	65219M6	5.275	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	111486	5.474	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.764	232	121084	5.517	ug/ml	97
72) Diethyl phthalate	9.900	149	424125	5.155	ug/ml	96
73) Fluorene	9.957	166	435486	4.932	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.978	204	214678	4.740	ug/ml#	87

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL6.D
Acq On : 4 Mar 2025 11:07 pm
Operator : SV107:mrg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2037043
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:26:41 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	86554	5.694	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.027	198	58954	4.380	ug/ml#	57
77)	NDPA/DPA	10.098	169	373334	5.036	ug/ml	93
78)	Azobenzene	10.126	77	369422	5.278	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.446	248	132447	4.882	ug/ml#	83
81)	Hexachlorobenzene	10.498	284	149143	4.709	ug/ml#	83
82)	Pentachlorophenol	10.691	266	87523	5.059	ug/ml	99
89)	Phenanthrene	10.881	178	691080	4.715	ug/ml	99
90)	Anthracene	10.925	178	702034	5.005	ug/ml	99
91)	Carbazole	11.100	167	650786	5.156	ug/ml	98
92)	Di-n-butylphthalate	11.494	149	711908	5.505	ug/ml	98
93)	Fluoranthene	12.027	202	826364	5.151	ug/ml#	91
94)	Benzidine	12.188	184	472666	4.745	ug/ml#	93
95)	Pyrene	12.239	202	885803	5.262	ug/ml	98
97)	Butyl benzyl phthalate	12.955	149	273174	4.342	ug/ml	85
105)	Benzo(a)anthracene	13.466	228	821139	5.066	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.466	252	300193	5.742	ug/ml#	97
107)	Chrysene	13.497	228	744285	4.652	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.592	149	452214	4.902	ug/ml#	97
109)	Di-n-octylphthalate	14.266	149	699902	4.649	ug/ml#	73
110)	Benzo(b)fluoranthene	14.560	252	847591	5.394	ug/ml#	92
111)	Benzo(k)fluoranthene	14.584	252	650965	4.783	ug/ml#	95
112)	Benzo(a)pyrene	14.871	252	682864	5.215	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.893	276	675112M6	5.329	ug/mL	
115)	Dibenzo(a,h)anthracene	15.916	278	646027	5.123	ug/ml#	90
116)	Benzo(ghi)perylene	16.131	276	642939	5.046	ug/ml#	88

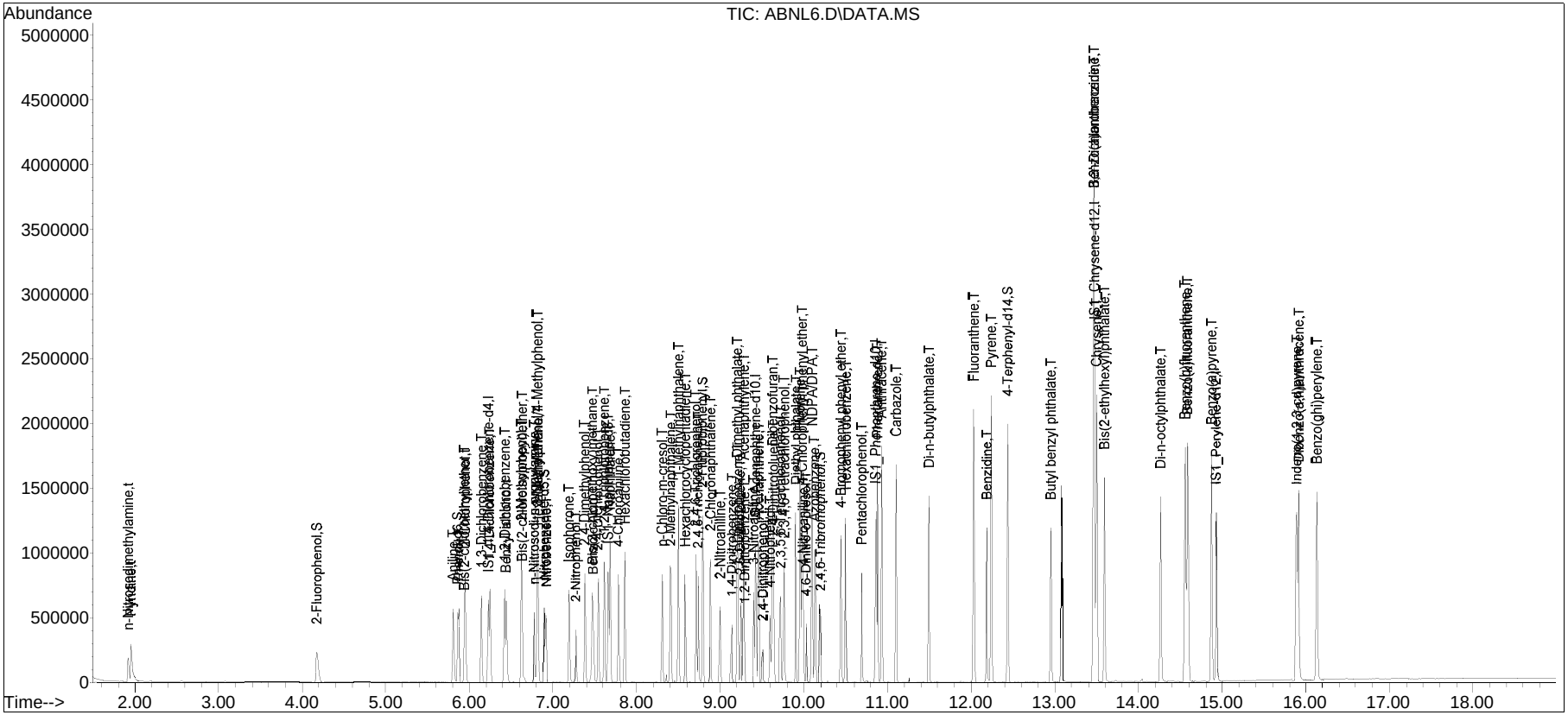
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL6.D
Acq On : 4 Mar 2025 11:07 pm
Operator : SV107:mrg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2037043
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 05 14:26:41 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

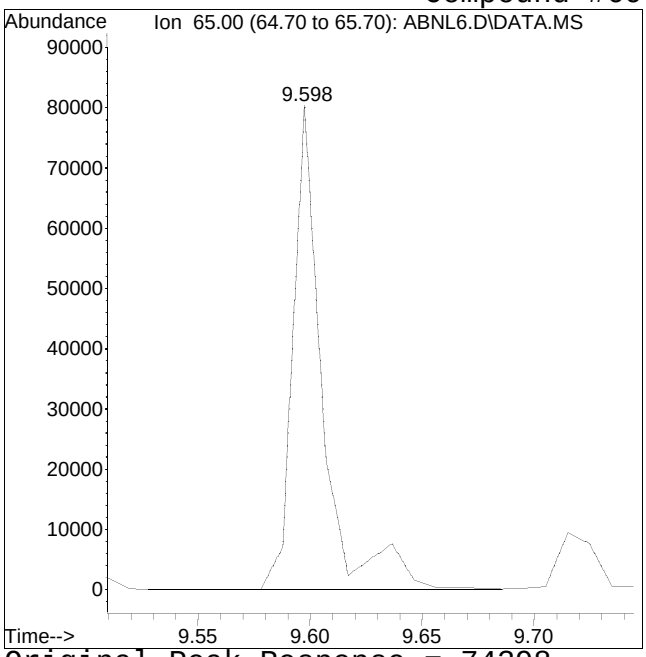
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



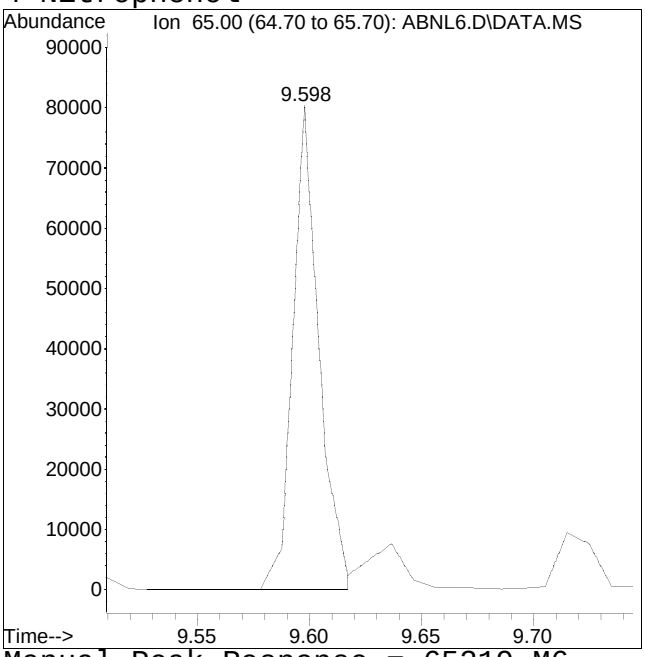
Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ABNL6.D	Operator	: SV107:mrg
Date Inj'd	: 3/4/2025 11:07 pm	Instrument	: SV107
Sample	: IL5,32,,ABNL5 Lot# 11428	Quant Date	: 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 74398



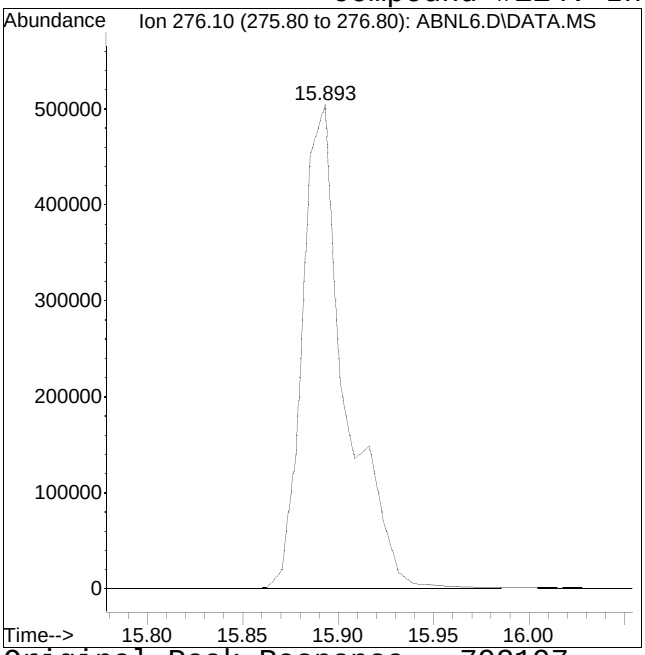
Manual Peak Response = 65219 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

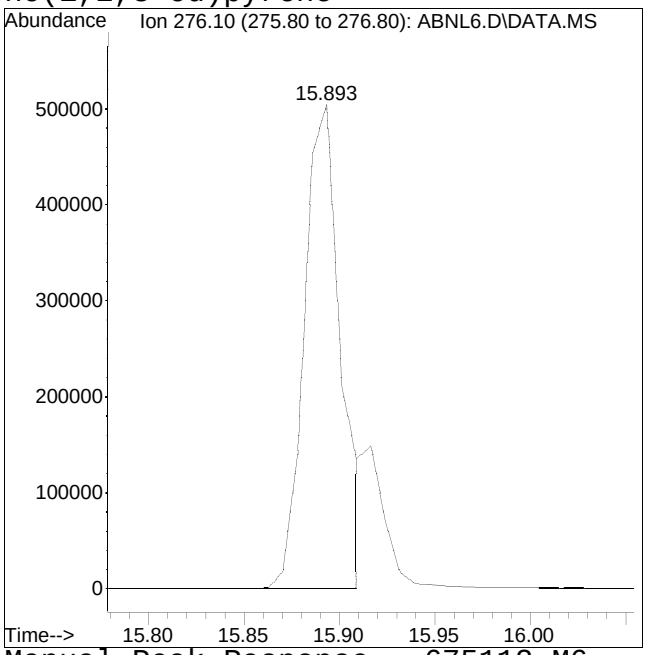
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL6.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 11:07 pm Instrument : SV107
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 792197



Manual Peak Response = 675112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL5.D
Acq On : 4 Mar 2025 11:33 pm
Operator : SV107:mrg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2037043
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 14:26:31 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	103029	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery = 100.38%		
35) IS1_Naphthalene-d8	7.660	136	372556	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 100.92%		
63) IS1_Acenaphthene-d10	9.421	164	252677	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery = 102.29%		
88) IS1_Phenanthrene-d10	10.859	188	519323	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 100.04%		
104) IS1_Chrysene-d12	13.473	240	503490	4.000 ug/ml	# 0.00
Standard Area 1 = 519087			Recovery = 97.00%		
113) IS1_Perylene-d12	14.935	264	471542	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 93.52%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.185	112	60281	2.305 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 115.25%#		
7) Phenol-d6	5.856	99	72188	2.265 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 113.25%#		
19) Nitrobenzene-d5	6.894	82	65437	2.256 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 225.60%#		
46) 2-Fluorobiphenyl	8.786	172	205949	2.252 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 225.20%#		
79) 2,4,6-Tribromophenol	10.196	330	29494	2.319 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 115.95%#		
96) 4-Terphenyl-d14	12.436	244	284271	2.269 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 226.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.918	74	40008	2.301 ug/ml#	74
3) Pyridine	1.962	79	65656	2.061 ug/ml#	71
5) Aniline	5.805	93	94886	2.347 ug/ml	100
6) 2-Chlorophenol	5.950	128	68069	2.323 ug/ml	95
8) Phenol	5.873	94	82196	2.296 ug/ml	97
9) Bis(2-chloroethyl)ether	5.950	93	63831	2.237 ug/ml#	75
10) 1,3-Dichlorobenzene	6.145	146	86443	2.230 ug/ml	94
11) 1,4-Dichlorobenzene	6.239	146	87556	2.191 ug/ml	95
12) 1,2-Dichlorobenzene	6.426	146	83425	2.205 ug/ml	94
13) Benzyl alcohol	6.442	79	49125	2.243 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.631	45	104274	2.235 ug/ml#	58

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL5.D
Acq On : 4 Mar 2025 11:33 pm
Operator : SV107:mrg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2037043
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 14:26:31 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.623	108	58811	2.236	ug/ml	96
16) Hexachloroethane	6.819	117	30403	2.276	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.774	70	46733	2.255	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.811	108	63525	2.289	ug/ml	99
20) Nitrobenzene	6.916	77	69373	2.363	ug/ml	99
21) Isophorone	7.202	82	126385	2.240	ug/ml	99
22) 2-Nitrophenol	7.277	139	28935	2.082	ug/ml	89
23) 2,4-Dimethylphenol	7.382	107	67853	2.269	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.480	93	99087	2.422	ug/ml	97
25) 2,4-Dichlorophenol	7.545	162	68381	2.250	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.624	180	86369	2.210	ug/ml	97
36) Naphthalene	7.682	128	211934	2.213	ug/ml	99
37) Benzoic Acid	7.472	105	33807M6	2.878	ug/ml	
38) 4-Chloroaniline	7.775	65	26936	2.227	ug/ml	86
39) Hexachlorobutadiene	7.854	225	51111	2.223	ug/ml	99
40) p-Chloro-m-cresol	8.310	107	57437	2.257	ug/ml	94
41) 2-Methylnaphthalene	8.408	142	137264	2.244	ug/ml	95
42) 1-Methylnaphthalene	8.498	115	48905	2.229	ug/ml	93
43) Hexachlorocyclopentadiene	8.579	237	56940	2.203	ug/ml	99
44) 2,4,6-Trichlorophenol	8.705	196	55784	2.265	ug/ml	100
45) 2,4,5-Trichlorophenol	8.732	196	56558	2.204	ug/ml	100
47) 2-Chloronaphthalene	8.885	162	161708	2.185	ug/ml	93
48) 2-Nitroaniline	9.002	138	37010	2.046	ug/ml	84
49) 1,4-Dinitrobenzene	9.137	168	22765	1.936	ug/ml#	61
50) 1,3-Dinitrobenzene	9.216	168	23546	1.982	ug/ml#	1
51) Dimethyl phthalate	9.206	163	205840	2.295	ug/ml#	98
52) Acenaphthylene	9.284	152	254231	2.254	ug/ml	98
53) 2,6-Dinitrotoluene	9.245	165	35978	2.140	ug/ml#	80
54) 1,2-Dinitrobenzene	9.294	168	16985	2.379	ug/ml#	1
64) 3-Nitroaniline	9.402	138	39853	2.427	ug/ml#	87
65) Acenaphthene	9.460	154	141314	2.067	ug/ml	88
66) 2,4-Dinitrophenol	9.509	184	15527	1.938	ug/ml#	77
67) Dibenzofuran	9.627	168	255478	2.191	ug/ml	93
68) 2,4-Dinitrotoluene	9.637	165	52770	2.214	ug/ml#	83
69) 4-Nitrophenol	9.598	65	26695M6	2.111	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	47030	2.257	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.764	232	52657	2.345	ug/ml	93
72) Diethyl phthalate	9.900	149	189978	2.257	ug/ml	96
73) Fluorene	9.957	166	200023	2.215	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.978	204	100288	2.165	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL5.D
Acq On : 4 Mar 2025 11:33 pm
Operator : SV107:mrg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2037043
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 14:26:31 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	37383	2.404	ug/ml#	86
76)	4,6-Dinitro-o-cresol	10.027	198	22787	1.917	ug/ml#	60
77)	NDPA/DPA	10.098	169	172814	2.279	ug/ml	93
78)	Azobenzene	10.126	77	165497	2.312	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.446	248	60649	2.185	ug/ml#	83
81)	Hexachlorobenzene	10.498	284	69766	2.154	ug/ml#	82
82)	Pentachlorophenol	10.691	266	35397	2.000	ug/ml	99
89)	Phenanthrene	10.881	178	319421	2.178	ug/ml	99
90)	Anthracene	10.925	178	317563	2.263	ug/ml	99
91)	Carbazole	11.100	167	291834	2.311	ug/ml	98
92)	Di-n-butylphthalate	11.494	149	293563	2.269	ug/ml	98
93)	Fluoranthene	12.027	202	358518	2.234	ug/ml#	91
94)	Benzidine	12.188	184	183647	2.058	ug/ml#	92
95)	Pyrene	12.239	202	392709	2.332	ug/ml	99
97)	Butyl benzyl phthalate	12.955	149	97306	1.852	ug/ml	86
105)	Benzo(a)anthracene	13.466	228	351479	2.236	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.466	252	117806	2.323	ug/ml#	96
107)	Chrysene	13.497	228	338482	2.181	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	13.592	149	167874	2.010	ug/ml#	96
109)	Di-n-octylphthalate	14.266	149	232296	1.883	ug/ml#	74
110)	Benzo(b)fluoranthene	14.560	252	336948	2.211	ug/ml#	94
111)	Benzo(k)fluoranthene	14.592	252	309817	2.347	ug/ml#	93
112)	Benzo(a)pyrene	14.871	252	282596	2.225	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.893	276	263322M6	2.223	ug/mL	
115)	Dibenzo(a,h)anthracene	15.924	278	279505	2.370	ug/ml#	89
116)	Benzo(ghi)perylene	16.131	276	275870	2.315	ug/ml#	87

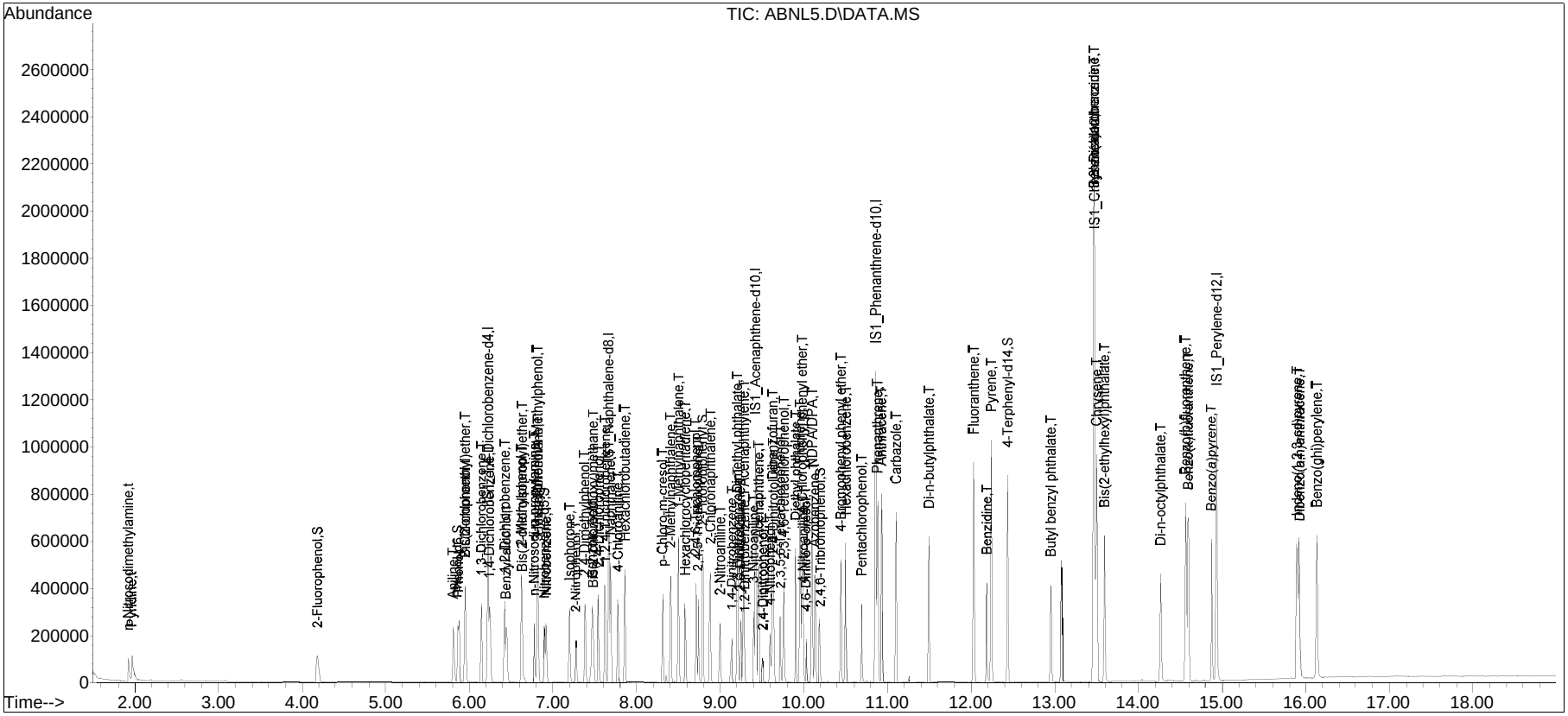
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL5.D
Acq On : 4 Mar 2025 11:33 pm
Operator : SV107:mrg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2037043
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 05 14:26:31 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

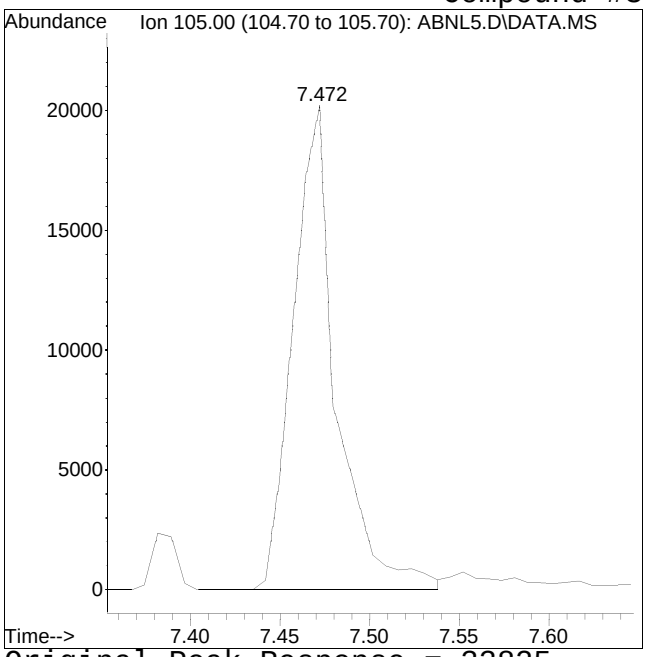
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



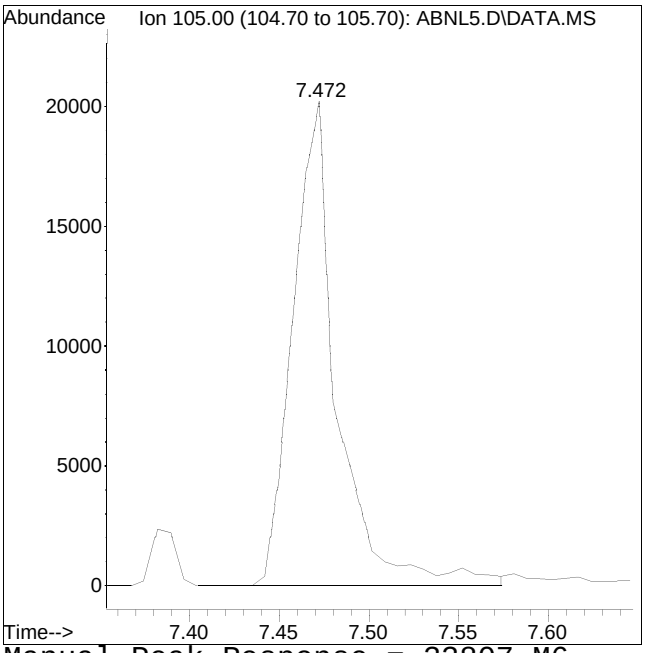
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL5.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 11:33 pm Instrument : SV107
Sample : IL6,32,,ABNL2.5 Lot# 11429 Quant Date : 3/5/2025 2:27 pm

Compound #37: Benzoic Acid



Original Peak Response = 33825



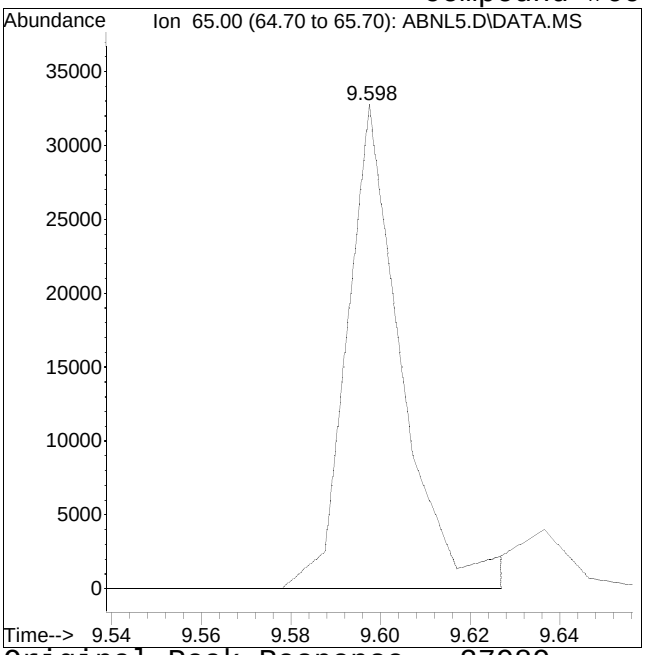
Manual Peak Response = 33807 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

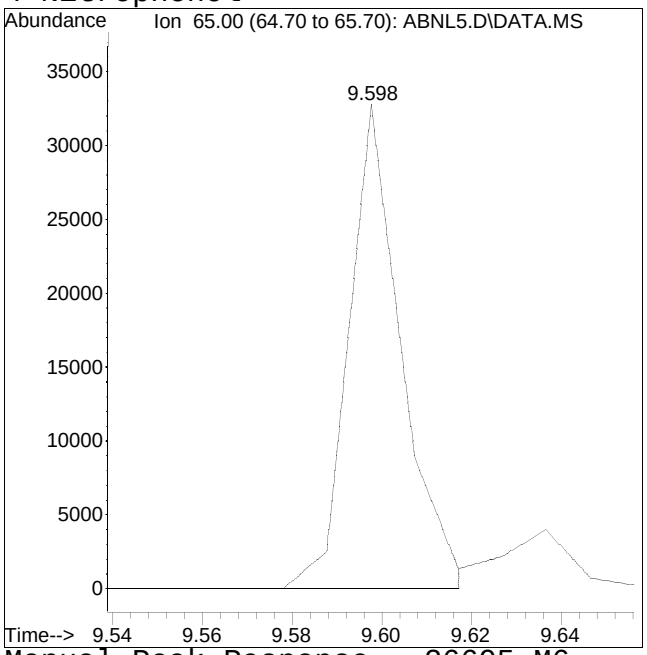
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL5.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 11:33 pm Instrument : SV107
Sample : IL6,32,,ABNL2.5 Lot# 11429 Quant Date : 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 27989



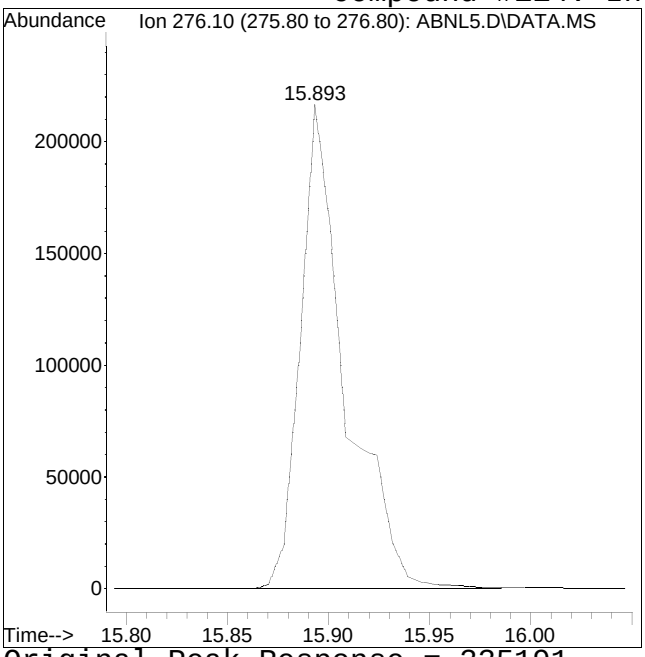
Manual Peak Response = 26695 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

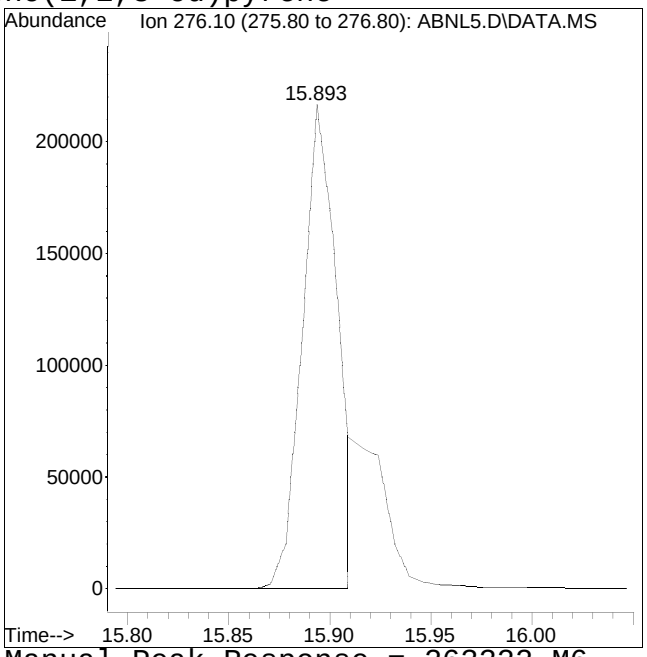
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL5.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 11:33 pm Instrument : SV107
Sample : IL6,32,,ABNL2.5 Lot# 11429 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 335191



Manual Peak Response = 263322 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL4.D
Acq On : 4 Mar 2025 11:58 pm
Operator : SV107:mrg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2037043
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 14:26:21 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	99476	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery =	96.91%	
35) IS1_Naphthalene-d8	7.660	136	349825	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery =	94.76%	
63) IS1_Acenaphthene-d10	9.422	164	230757	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery =	93.41%	
88) IS1_Phenanthrene-d10	10.859	188	486281	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery =	93.68%	
104) IS1_Chrysene-d12	13.466	240	496693	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery =	95.69%	
113) IS1_Perylene-d12	14.927	264	483075	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery =	95.81%	
System Monitoring Compounds					
4) 2-Fluorophenol	4.186	112	25214	0.998 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.90%	
7) Phenol-d6	5.857	99	30732	0.999 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.95%	
19) Nitrobenzene-d5	6.894	82	27326	0.976 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	97.60%	
46) 2-Fluorobiphenyl	8.786	172	87842	1.023 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	102.30%	
79) 2,4,6-Tribromophenol	10.189	330	11189	0.963 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	48.15%	
96) 4-Terphenyl-d14	12.437	244	118410	1.009 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	100.90%	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.926	74	18407	1.096 ug/ml#	70
3) Pyridine	1.976	79	32377	1.052 ug/ml#	71
5) Aniline	5.814	93	40256	1.031 ug/ml	99
6) 2-Chlorophenol	5.959	128	28175	0.996 ug/ml	94
8) Phenol	5.874	94	34785	1.006 ug/ml	99
9) Bis(2-chloroethyl)ether	5.950	93	27446	0.996 ug/ml#	78
10) 1,3-Dichlorobenzene	6.145	146	38259	1.022 ug/ml	93
11) 1,4-Dichlorobenzene	6.239	146	38800	1.005 ug/ml	96
12) 1,2-Dichlorobenzene	6.426	146	37518	1.027 ug/ml	96
13) Benzyl alcohol	6.451	79	20092	0.950 ug/ml	98
14) Bis(2-chloroisopropyl)...	6.631	45	44288	0.983 ug/ml#	58

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL4.D
Acq On : 4 Mar 2025 11:58 pm
Operator : SV107:mrg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2037043
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 14:26:21 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.624	108	24416	0.962	ug/ml	98
16) Hexachloroethane	6.819	117	12622	0.979	ug/ml#	45
17) n-Nitrosodi-n-propylamine	6.781	70	18846	0.942	ug/ml#	92
18) 3-Methylphenol/4-Methy...	6.811	108	26027	0.971	ug/ml	98
20) Nitrobenzene	6.917	77	27695	0.977	ug/ml	97
21) Isophorone	7.202	82	50721	0.931	ug/ml	99
22) 2-Nitrophenol	7.277	139	11081	0.826	ug/ml	89
23) 2,4-Dimethylphenol	7.382	107	27740	0.961	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.480	93	43003	1.089	ug/ml	98
25) 2,4-Dichlorophenol	7.545	162	28119	0.958	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.617	180	37191	0.986	ug/ml	94
36) Naphthalene	7.682	128	92565	1.030	ug/ml	100
37) Benzoic Acid	7.457	105	12120	1.187	ug/ml	95
38) 4-Chloroaniline	7.776	65	10903	0.960	ug/ml	80
39) Hexachlorobutadiene	7.855	225	21944	1.017	ug/ml	99
40) p-Chloro-m-cresol	8.310	107	22869	0.957	ug/ml	95
41) 2-Methylnaphthalene	8.409	142	58204	1.013	ug/ml	95
42) 1-Methylnaphthalene	8.498	115	20887	1.014	ug/ml	95
43) Hexachlorocyclopentadiene	8.579	237	22594	0.931	ug/ml	100
44) 2,4,6-Trichlorophenol	8.705	196	21532	0.931	ug/ml	97
45) 2,4,5-Trichlorophenol	8.732	196	23081	0.958	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	69638	1.002	ug/ml	93
48) 2-Nitroaniline	9.002	138	13555	0.798	ug/ml	86
49) 1,4-Dinitrobenzene	9.138	168	8174	0.995	ug/ml#	58
50) 1,3-Dinitrobenzene	9.216	168	8501	0.762	ug/ml#	1
51) Dimethyl phthalate	9.206	163	84913	1.008	ug/ml#	99
52) Acenaphthylene	9.284	152	105118	0.993	ug/ml	100
53) 2,6-Dinitrotoluene	9.245	165	13382	0.848	ug/ml#	80
54) 1,2-Dinitrobenzene	9.294	168	6481	0.967	ug/ml#	1
64) 3-Nitroaniline	9.402	138	14629	0.975	ug/ml#	90
65) Acenaphthene	9.451	154	61307	0.982	ug/ml	91
66) 2,4-Dinitrophenol	9.510	184	5128	0.837	ug/ml#	78
67) Dibenzofuran	9.627	168	107740	1.012	ug/ml	95
68) 2,4-Dinitrotoluene	9.637	165	19335	0.888	ug/ml#	83
69) 4-Nitrophenol	9.598	65	9425M6	0.816	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	18640	0.980	ug/ml	96
71) 2,3,4,6-Tetrachlorophenol	9.764	232	21129	1.031	ug/ml	92
72) Diethyl phthalate	9.900	149	77216	1.005	ug/ml	97
73) Fluorene	9.957	166	83551	1.013	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.978	204	42604	1.007	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL4.D
Acq On : 4 Mar 2025 11:58 pm
Operator : SV107:mrg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2037043
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 14:26:21 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	14199	1.000	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.027	198	7900	0.989	ug/ml#	65
77)	NDPA/DPA	10.098	169	71346	1.030	ug/ml	93
78)	Azobenzene	10.126	77	66619	1.019	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.446	248	24648	0.973	ug/ml#	84
81)	Hexachlorobenzene	10.498	284	29844	1.009	ug/ml#	83
82)	Pentachlorophenol	10.691	266	12104	0.749	ug/ml	98
89)	Phenanthrene	10.874	178	137966	1.005	ug/ml	99
90)	Anthracene	10.925	178	130316	0.992	ug/ml	99
91)	Carbazole	11.100	167	117266	0.992	ug/ml	98
92)	Di-n-butylphthalate	11.495	149	107705	0.889	ug/ml	99
93)	Fluoranthene	12.028	202	147405	0.981	ug/ml#	91
94)	Benzidine	12.188	184	61804	0.965	ug/ml#	91
95)	Pyrene	12.239	202	159338	1.010	ug/ml	98
97)	Butyl benzyl phthalate	12.955	149	34856	1.002	ug/ml	87
105)	Benzo(a)anthracene	13.458	228	151805	0.979	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.466	252	46322	0.926	ug/ml#	98
107)	Chrysene	13.497	228	150627	0.984	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.592	149	58458	0.827	ug/ml#	96
109)	Di-n-octylphthalate	14.266	149	82014	0.944	ug/ml#	76
110)	Benzo(b)fluoranthene	14.561	252	152748	1.016	ug/ml#	94
111)	Benzo(k)fluoranthene	14.585	252	127534	0.979	ug/ml#	93
112)	Benzo(a)pyrene	14.872	252	121370	0.969	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.894	276	114767M6	0.946	ug/mL	
115)	Dibenzo(a,h)anthracene	15.917	278	117161	0.970	ug/ml#	89
116)	Benzo(ghi)perylene	16.131	276	121202	0.993	ug/ml#	86

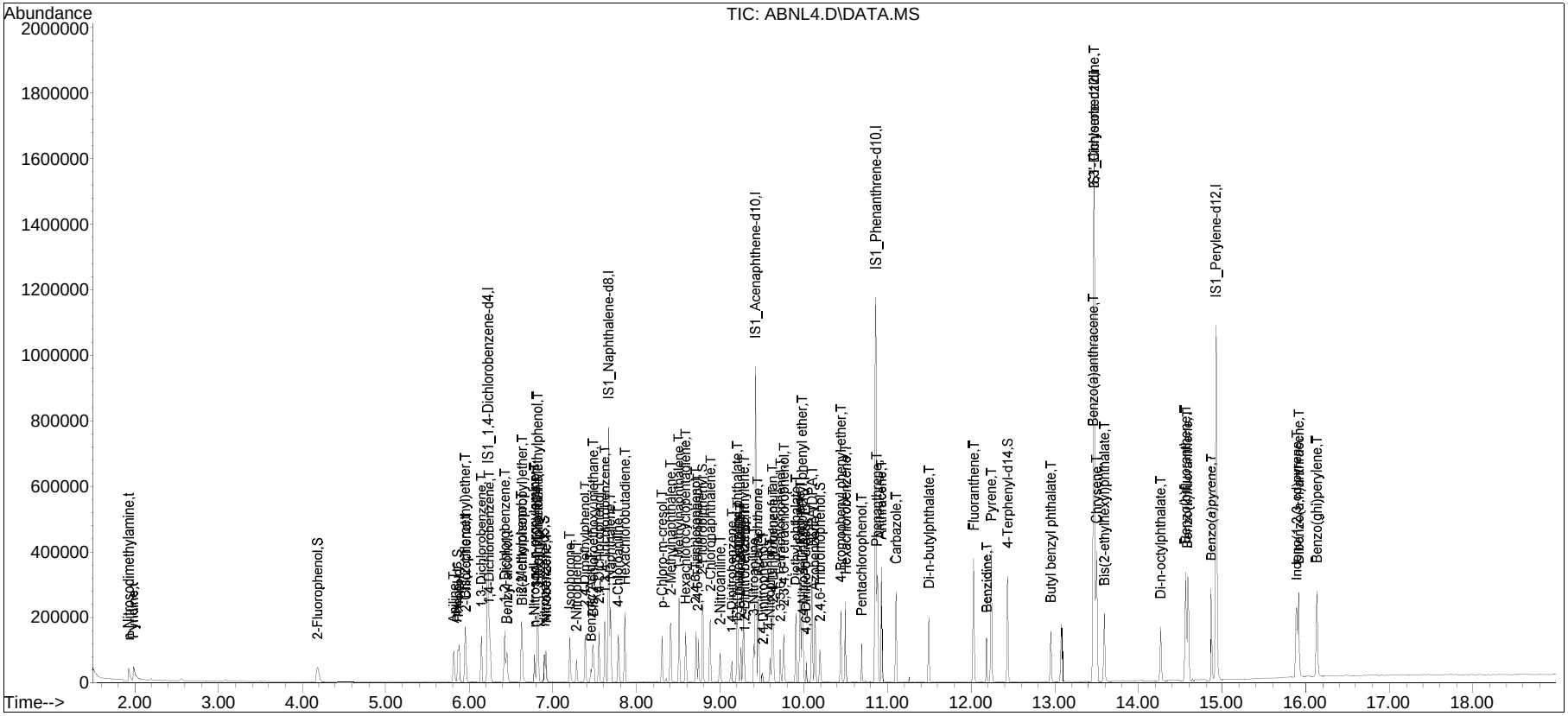
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL4.D
Acq On : 4 Mar 2025 11:58 pm
Operator : SV107:mrg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2037043
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 14:26:21 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

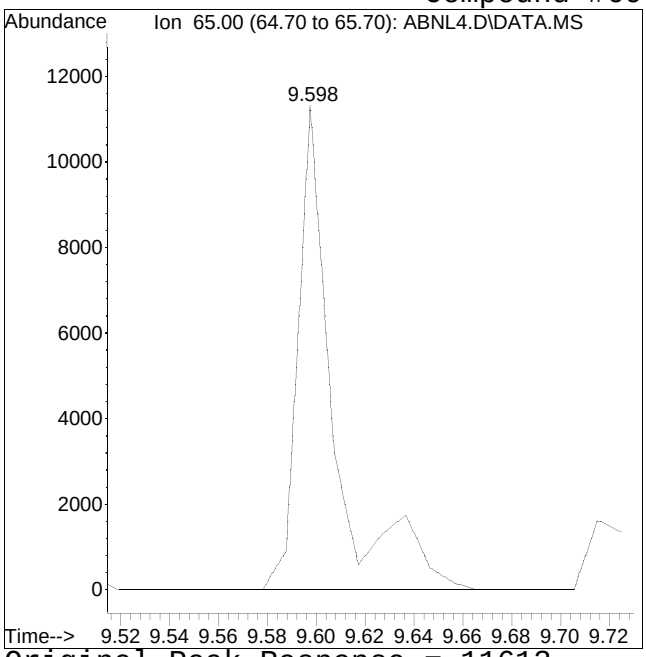
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



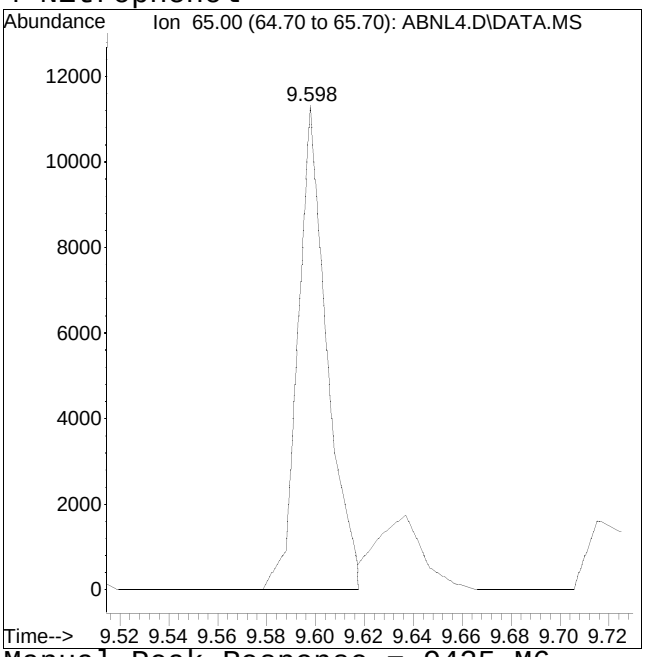
Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ABNL4.D	Operator	: SV107:mrg
Date Inj'd	: 3/4/2025 11:58 pm	Instrument	: SV107
Sample	: IL7,32,,ABNL1 Lot# 11430	Quant Date	: 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 11613



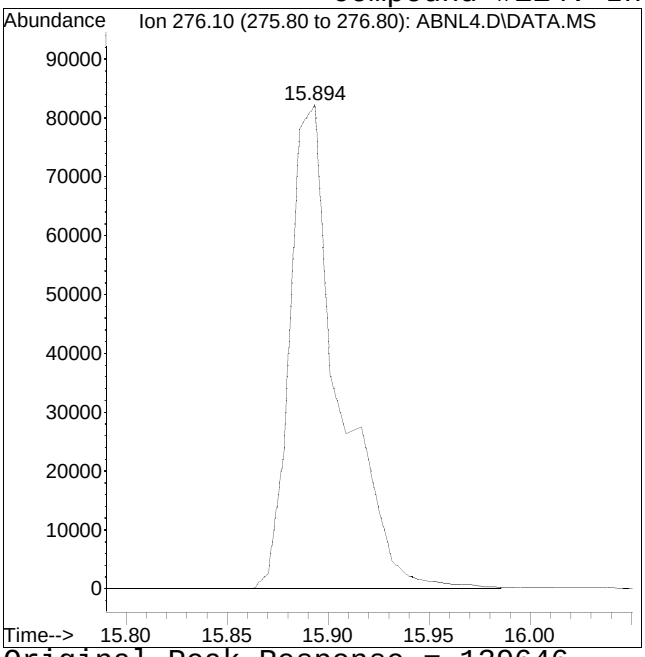
Manual Peak Response = 9425 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

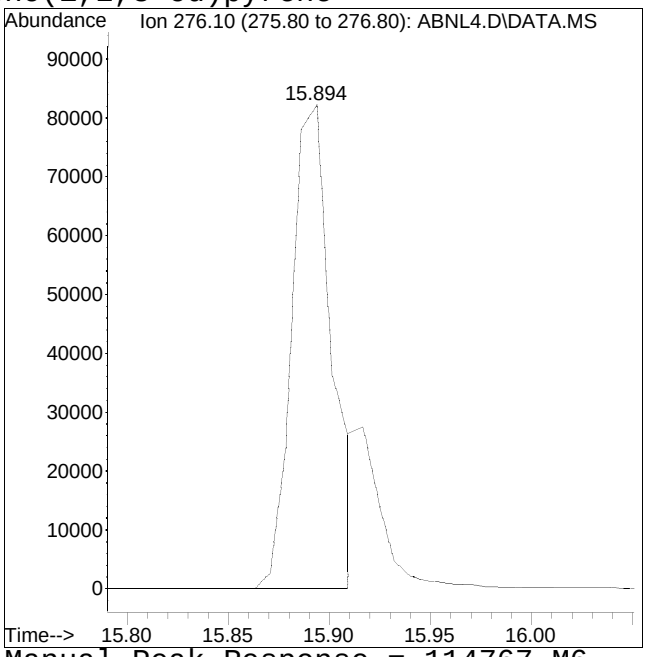
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL4.D Operator : SV107:mrg
Date Inj'd : 3/4/2025 11:58 pm Instrument : SV107
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 139646



Manual Peak Response = 114767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL3.D
Acq On : 5 Mar 2025 12:24 am
Operator : SV107:mrg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2037043
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 14:26:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	99597	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery = 97.03%		
35) IS1_Naphthalene-d8	7.660	136	358047	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 96.99%		
63) IS1_Acenaphthene-d10	9.422	164	236016	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery = 95.54%		
88) IS1_Phenanthrene-d10	10.855	188	505173	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 97.32%		
104) IS1_Chrysene-d12	13.470	240	482664	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery = 92.98%		
113) IS1_Perylene-d12	14.923	264	467113	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 92.64%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.186	112	13612	0.538 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.90%		
7) Phenol-d6	5.857	99	15763	0.512 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.60%		
19) Nitrobenzene-d5	6.902	82	14356	0.512 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.20%		
46) 2-Fluorobiphenyl	8.795	172	48542	0.552 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.20%		
79) 2,4,6-Tribromophenol	10.192	330	5690	0.479 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.95%		
96) 4-Terphenyl-d14	12.432	244	65447	0.537 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.70%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.933	74	9644	0.574 ug/ml#	75
3) Pyridine	1.998	79	16273	0.528 ug/ml#	68
5) Aniline	5.814	93	21781	0.557 ug/ml	99
6) 2-Chlorophenol	5.959	128	15292	0.540 ug/ml	93
8) Phenol	5.874	94	18518	0.535 ug/ml	99
9) Bis(2-chloroethyl)ether	5.950	93	15065	0.546 ug/ml#	81
10) 1,3-Dichlorobenzene	6.145	146	21642	0.578 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	21862	0.566 ug/ml	97
12) 1,2-Dichlorobenzene	6.426	146	19981	0.546 ug/ml	94
13) Benzyl alcohol	6.451	79	10540	0.498 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.631	45	23834	0.528 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL3.D
Acq On : 5 Mar 2025 12:24 am
Operator : SV107:mrg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2037043
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 14:26:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.624	108	12882	0.507	ug/ml	97
16) Hexachloroethane	6.819	117	6894	0.534	ug/ml#	43
17) n-Nitrosodi-n-propylamine	6.781	70	10136	0.506	ug/ml#	90
18) 3-Methylphenol/4-Methy...	6.811	108	13772	0.513	ug/ml	97
20) Nitrobenzene	6.924	77	14332	0.505	ug/ml	96
21) Isophorone	7.202	82	27009	0.495	ug/ml	99
22) 2-Nitrophenol	7.277	139	5483	0.408	ug/ml#	87
23) 2,4-Dimethylphenol	7.390	107	14418	0.499	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.480	93	22785	0.576	ug/ml	97
25) 2,4-Dichlorophenol	7.545	162	14687	0.500	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.624	180	20787	0.550	ug/ml#	95
36) Naphthalene	7.682	128	51793	0.563	ug/ml	99
37) Benzoic Acid	7.457	105	5685	0.559	ug/ml	87
38) 4-Chloroaniline	7.776	65	6462	0.556	ug/ml	95
39) Hexachlorobutadiene	7.855	225	12463	0.564	ug/ml	96
40) p-Chloro-m-cresol	8.310	107	11540	0.472	ug/ml	91
41) 2-Methylnaphthalene	8.409	142	32097	0.546	ug/ml	94
42) 1-Methylnaphthalene	8.499	115	11573	0.549	ug/ml	94
43) Hexachlorocyclopentadiene	8.579	237	12381	0.498	ug/ml	97
44) 2,4,6-Trichlorophenol	8.705	196	11452	0.484	ug/ml	98
45) 2,4,5-Trichlorophenol	8.741	196	11638	0.472	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	38488	0.541	ug/ml	91
48) 2-Nitroaniline	9.002	138	7090	0.408	ug/ml	85
49) 1,4-Dinitrobenzene	9.138	168	4193	0.704	ug/ml#	61
50) 1,3-Dinitrobenzene	9.216	168	4206	0.368	ug/ml#	1
51) Dimethyl phthalate	9.206	163	44897	0.521	ug/ml#	97
52) Acenaphthylene	9.284	152	56951	0.525	ug/ml	99
53) 2,6-Dinitrotoluene	9.245	165	6597	0.408	ug/ml#	80
54) 1,2-Dinitrobenzene	9.294	168	3201	0.466	ug/ml#	1
64) 3-Nitroaniline	9.402	138	7437	0.485	ug/ml#	82
65) Acenaphthene	9.451	154	35255	0.552	ug/ml	92
66) 2,4-Dinitrophenol	9.510	184	2388	0.494	ug/ml#	83
67) Dibenzofuran	9.627	168	61928	0.569	ug/ml	96
68) 2,4-Dinitrotoluene	9.637	165	9063	0.407	ug/ml#	84
69) 4-Nitrophenol	9.598	65	4914M6	0.416	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	9102	0.468	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.764	232	9985	0.476	ug/ml	98
72) Diethyl phthalate	9.896	149	41504	0.528	ug/ml	96
73) Fluorene	9.960	166	46239	0.548	ug/ml	95
74) 4-Chlorophenyl phenyl ...	9.981	204	24717	0.571	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL3.D
Acq On : 5 Mar 2025 12:24 am
Operator : SV107:mrg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2037043
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 14:26:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.988	138	7079	0.487	ug/ml	90
76)	4,6-Dinitro-o-cresol	10.030	198	4137	0.712	ug/ml#	62
77)	NDPA/DPA	10.093	169	39191	0.553	ug/ml	95
78)	Azobenzene	10.129	77	35450	0.530	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.449	248	13905	0.536	ug/ml#	84
81)	Hexachlorobenzene	10.502	284	17324	0.573	ug/ml#	83
82)	Pentachlorophenol	10.695	266	6144	0.372	ug/ml	98
89)	Phenanthrene	10.877	178	78699	0.552	ug/ml	98
90)	Anthracene	10.928	178	73196	0.536	ug/ml	99
91)	Carbazole	11.096	167	65101	0.530	ug/ml	98
92)	Di-n-butylphthalate	11.490	149	56270	0.447	ug/ml	98
93)	Fluoranthene	12.024	202	82816	0.530	ug/ml#	91
94)	Benzidine	12.184	184	28159	0.621	ug/ml#	93
95)	Pyrene	12.243	202	88021	0.537	ug/ml	98
97)	Butyl benzyl phthalate	12.958	149	17340	0.727	ug/ml	88
105)	Benzo(a)anthracene	13.462	228	77024	0.511	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.462	252	21450	0.441	ug/ml	97
107)	Chrysene	13.493	228	83520	0.561	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.588	149	26849	0.484	ug/ml#	95
109)	Di-n-octylphthalate	14.262	149	39122	0.677	ug/ml#	77
110)	Benzo(b)fluoranthene	14.557	252	68094	0.466	ug/ml#	93
111)	Benzo(k)fluoranthene	14.580	252	74775	0.591	ug/ml#	92
112)	Benzo(a)pyrene	14.867	252	60192	0.494	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.882	276	56590M6	0.482	ug/mL	
115)	Dibenzo(a,h)anthracene	15.905	278	63142	0.540	ug/ml#	88
116)	Benzo(ghi)perylene	16.120	276	62024	0.525	ug/ml#	88

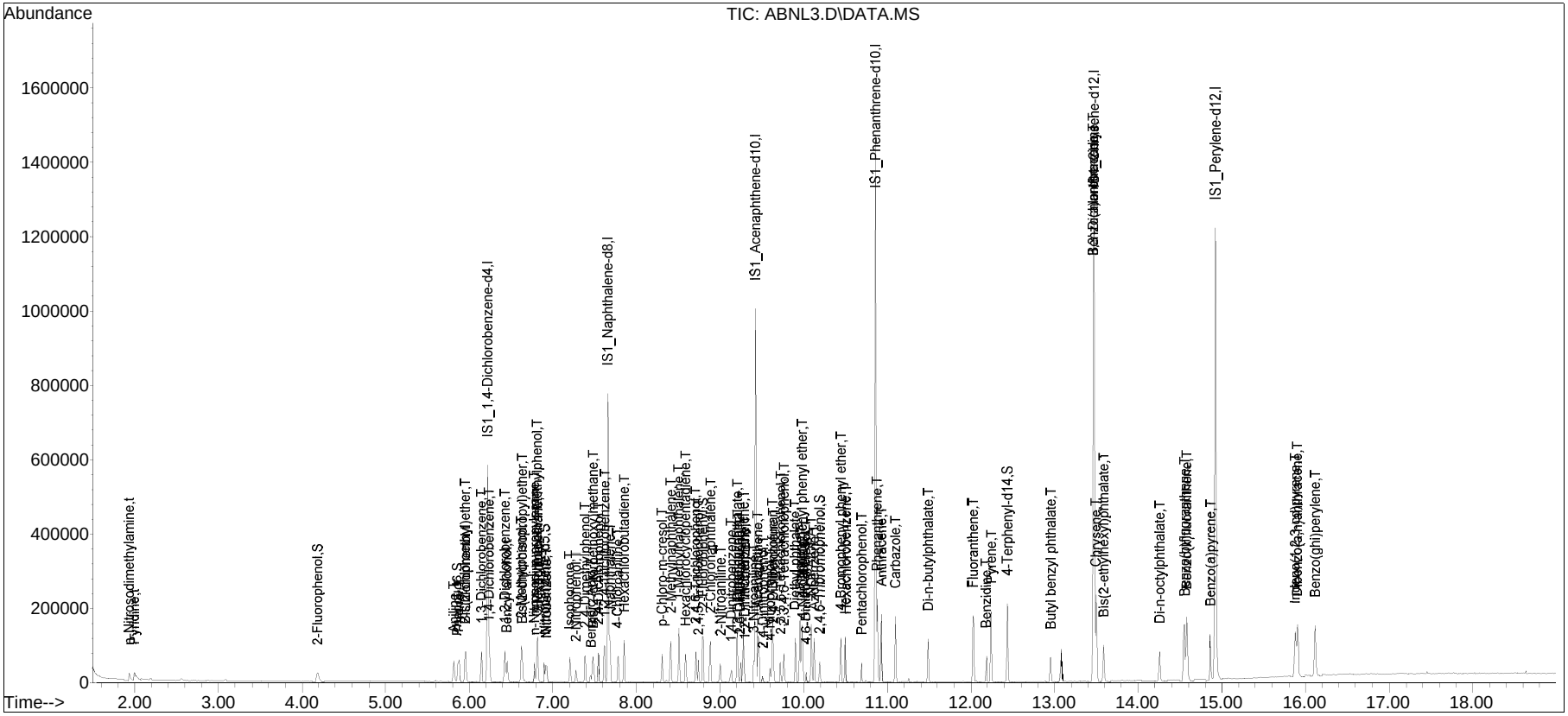
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL3.D
Acq On : 5 Mar 2025 12:24 am
Operator : SV107:mrg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2037043
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 14:26:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

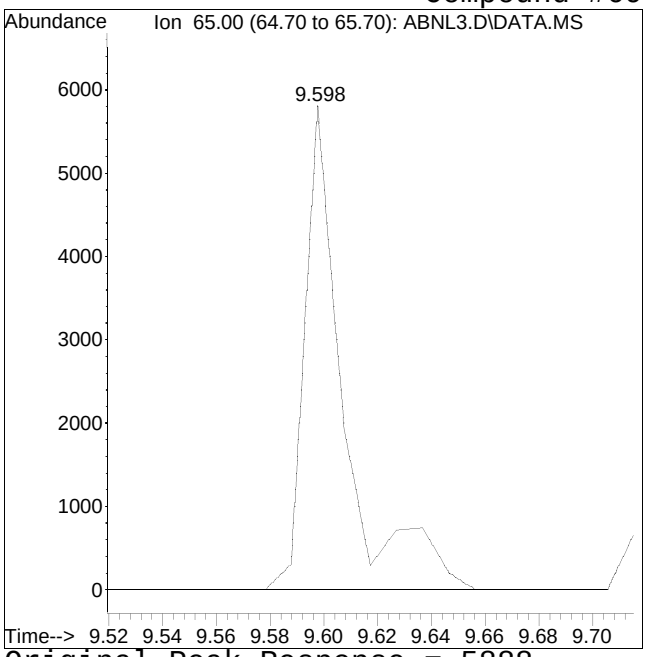
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



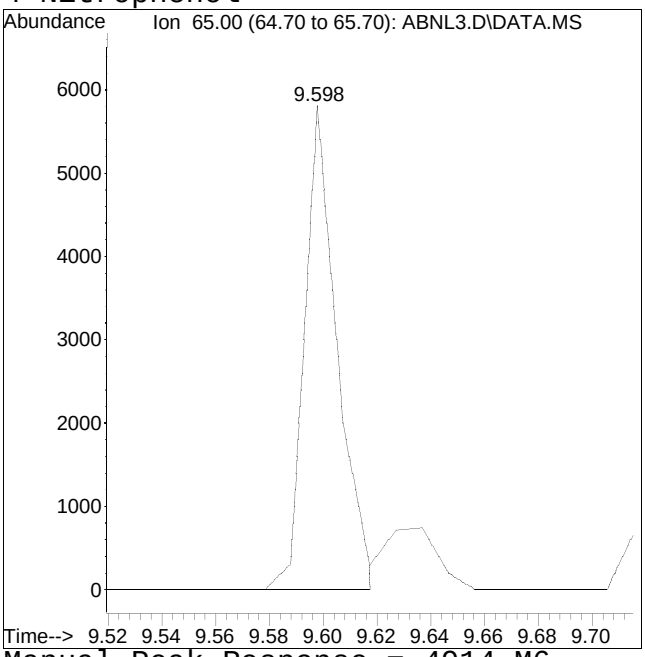
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL3.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 12:24 am Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 11431 Quant Date : 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 5888



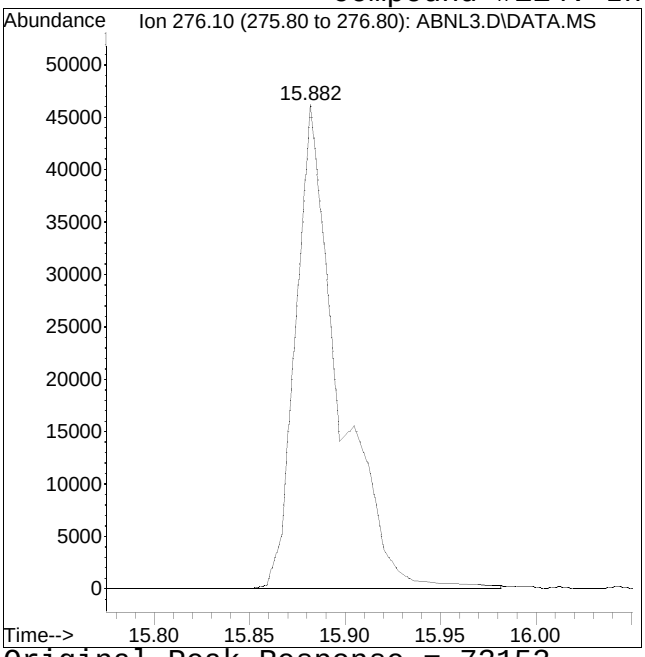
Manual Peak Response = 4914 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

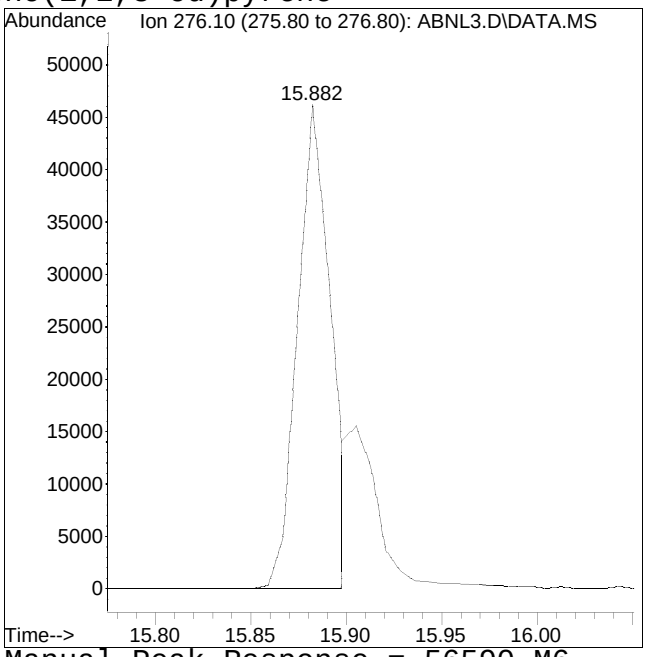
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL3.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 12:24 am Instrument : SV107
Sample : IL8,32,,ABNL0.5 Lot# 11431 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 73153



Manual Peak Response = 56590 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL2.D
Acq On : 5 Mar 2025 12:49 am
Operator : SV107:mrg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2037043
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 05 14:26:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	98504	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery =	95.97%	
35) IS1_Naphthalene-d8	7.660	136	341928	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery =	92.62%	
63) IS1_Acenaphthene-d10	9.422	164	221615	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery =	89.71%	
88) IS1_Phenanthrene-d10	10.859	188	471242	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery =	90.78%	
104) IS1_Chrysene-d12	13.474	240	439957	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery =	84.76%	
113) IS1_Perylene-d12	14.935	264	427156	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery =	84.72%	
System Monitoring Compounds					
4) 2-Fluorophenol	4.193	112	4415	0.177 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.85%#	
7) Phenol-d6	5.865	99	5230	0.172 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.60%#	
19) Nitrobenzene-d5	6.902	82	4481	0.162 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	16.20%#	
46) 2-Fluorobiphenyl	8.795	172	16608	0.198 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.80%#	
79) 2,4,6-Tribromophenol	10.197	330	1864	0.167 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.35%#	
96) 4-Terphenyl-d14	12.437	244	21981	0.193 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	19.30%#	
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.947	74	2596	0.156 ug/ml#	89
3) Pyridine	2.034	79	5913M1	0.194 ug/ml	
5) Aniline	5.814	93	6174	0.160 ug/ml	98
6) 2-Chlorophenol	5.959	128	5211	0.186 ug/ml	89
8) Phenol	5.874	94	6140	0.179 ug/ml	95
9) Bis(2-chloroethyl)ether	5.959	93	5179	0.190 ug/ml#	81
10) 1,3-Dichlorobenzene	6.145	146	6903	0.186 ug/ml	88
11) 1,4-Dichlorobenzene	6.239	146	7771	0.203 ug/ml	96
12) 1,2-Dichlorobenzene	6.426	146	6844	0.189 ug/ml	90
13) Benzyl alcohol	6.451	79	3503	0.167 ug/ml	93
14) Bis(2-chloroisopropyl)...	6.639	45	7854	0.176 ug/ml#	59

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL2.D
Acq On : 5 Mar 2025 12:49 am
Operator : SV107:mrg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2037043
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 05 14:26:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.624	108	4269	0.170	ug/ml	98
16) Hexachloroethane	6.819	117	2471	0.194	ug/ml#	54
17) n-Nitrosodi-n-propylamine	6.789	70	3238	0.163	ug/ml#	83
18) 3-Methylphenol/4-Methy...	6.811	108	4563	0.172	ug/ml#	95
20) Nitrobenzene	6.924	77	4829	0.172	ug/ml	94
21) Isophorone	7.210	82	9405	0.174	ug/ml	95
22) 2-Nitrophenol	7.277	139	1893	0.142	ug/ml#	80
23) 2,4-Dimethylphenol	7.382	107	4769	0.167	ug/ml	92
24) Bis(2-chloroethoxy)met...	7.480	93	7231	0.185	ug/ml	96
25) 2,4-Dichlorophenol	7.545	162	4740	0.163	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.617	180	7122	0.191	ug/ml	94
36) Naphthalene	7.682	128	17966	0.204	ug/ml	98
37) Benzoic Acid	7.450	105	1545	0.159	ug/ml	90
38) 4-Chloroaniline	7.776	65	2102	0.189	ug/ml	93
39) Hexachlorobutadiene	7.855	225	4300	0.204	ug/ml	97
40) p-Chloro-m-cresol	8.310	107	3887	0.166	ug/ml	88
41) 2-Methylnaphthalene	8.409	142	11051	0.197	ug/ml	94
42) 1-Methylnaphthalene	8.499	115	3888	0.193	ug/ml	85
43) Hexachlorocyclopentadiene	8.579	237	4204	0.177	ug/ml	95
44) 2,4,6-Trichlorophenol	8.705	196	3433	0.152	ug/ml	89
45) 2,4,5-Trichlorophenol	8.732	196	3730	0.158	ug/ml	99
47) 2-Chloronaphthalene	8.885	162	13596	0.200	ug/ml#	90
48) 2-Nitroaniline	9.002	138	2084	0.126	ug/ml	95
49) 1,4-Dinitrobenzene	9.138	168	1269	0.504	ug/ml	76
50) 1,3-Dinitrobenzene	9.216	168	1292	0.118	ug/ml#	1
51) Dimethyl phthalate	9.206	163	15228	0.185	ug/ml#	94
52) Acenaphthylene	9.285	152	18535	0.179	ug/ml	99
53) 2,6-Dinitrotoluene	9.245	165	1953	0.127	ug/ml#	81
54) 1,2-Dinitrobenzene	9.294	168	933	0.142	ug/ml#	1
64) 3-Nitroaniline	9.402	138	1982	0.138	ug/ml#	15
65) Acenaphthene	9.451	154	12815	0.214	ug/ml	94
66) 2,4-Dinitrophenol	9.510	184	612	0.285	ug/ml#	61
67) Dibenzofuran	9.627	168	21014	0.205	ug/ml	97
68) 2,4-Dinitrotoluene	9.637	165	2453	0.117	ug/ml#	74
69) 4-Nitrophenol	9.598	65	1401M6	0.126	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.725	232	2541	0.139	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.764	232	2953	0.150	ug/ml	98
72) Diethyl phthalate	9.900	149	13750	0.186	ug/ml	97
73) Fluorene	9.957	166	15138	0.191	ug/ml	92
74) 4-Chlorophenyl phenyl ...	9.978	204	8559	0.211	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL2.D
Acq On : 5 Mar 2025 12:49 am
Operator : SV107:mrg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2037043
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 05 14:26:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	1855	0.136	ug/ml#	92
76)	4,6-Dinitro-o-cresol	10.027	198	1168	0.508	ug/ml#	75
77)	NDPA/DPA	10.098	169	12513	0.188	ug/ml	95
78)	Azobenzene	10.126	77	11178	0.178	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.446	248	4745	0.195	ug/ml#	78
81)	Hexachlorobenzene	10.499	284	5980	0.210	ug/ml#	85
82)	Pentachlorophenol	10.691	266	1999	0.129	ug/ml	97
89)	Phenanthrene	10.881	178	28118	0.211	ug/ml	99
90)	Anthracene	10.925	178	24776	0.195	ug/ml	99
91)	Carbazole	11.100	167	20081	0.175	ug/ml	98
92)	Di-n-butylphthalate	11.495	149	16934	0.144	ug/ml	99
93)	Fluoranthene	12.028	202	27666	0.190	ug/ml#	92
94)	Benzidine	12.188	184	6187	0.416	ug/ml#	84
95)	Pyrene	12.239	202	29205	0.191	ug/ml	99
97)	Butyl benzyl phthalate	12.955	149	5627	0.563	ug/ml	88
105)	Benzo(a)anthracene	13.466	228	26049	0.190	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.466	252	6312	0.142	ug/ml#	95
107)	Chrysene	13.497	228	29801	0.220	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.592	149	8371	0.281	ug/ml#	93
109)	Di-n-octylphthalate	14.266	149	12542	0.509	ug/ml#	79
110)	Benzo(b)fluoranthene	14.561	252	21529	0.162	ug/ml#	93
111)	Benzo(k)fluoranthene	14.593	252	21807	0.189	ug/ml#	91
112)	Benzo(a)pyrene	14.880	252	17732	0.160	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	15.894	276	18051M6	0.168	ug/mL	
115)	Dibenzo(a,h)anthracene	15.924	278	18738	0.175	ug/ml#	90
116)	Benzo(ghi)perylene	16.131	276	21184	0.196	ug/ml#	83

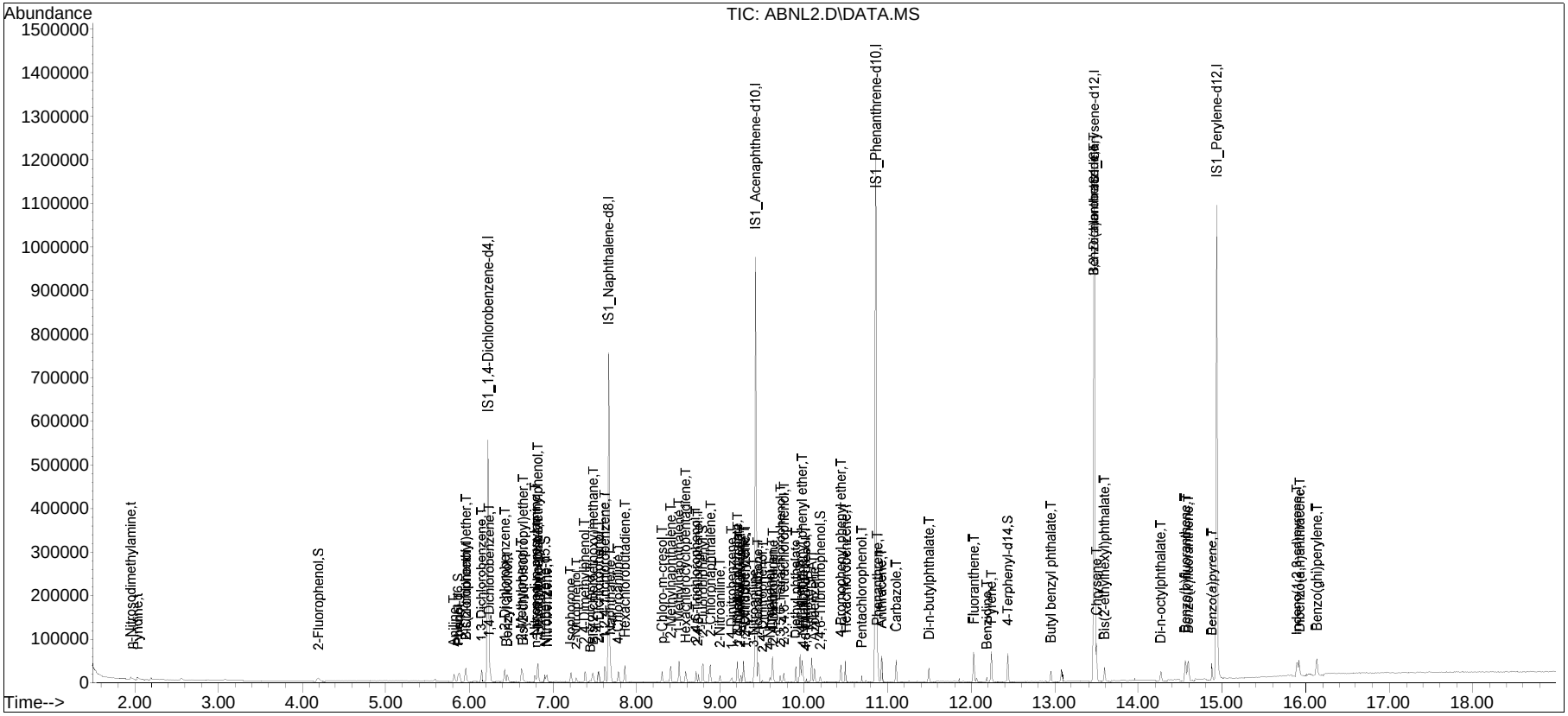
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL2.D
Acq On : 5 Mar 2025 12:49 am
Operator : SV107:mrg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2037043
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 05 14:26:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

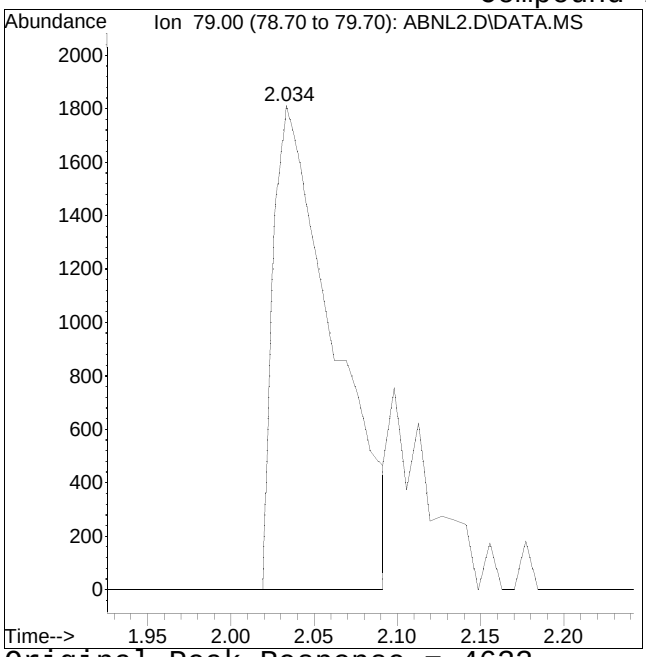
Sub List : ABNical - ABN ical sublistal\ABNL6.D•

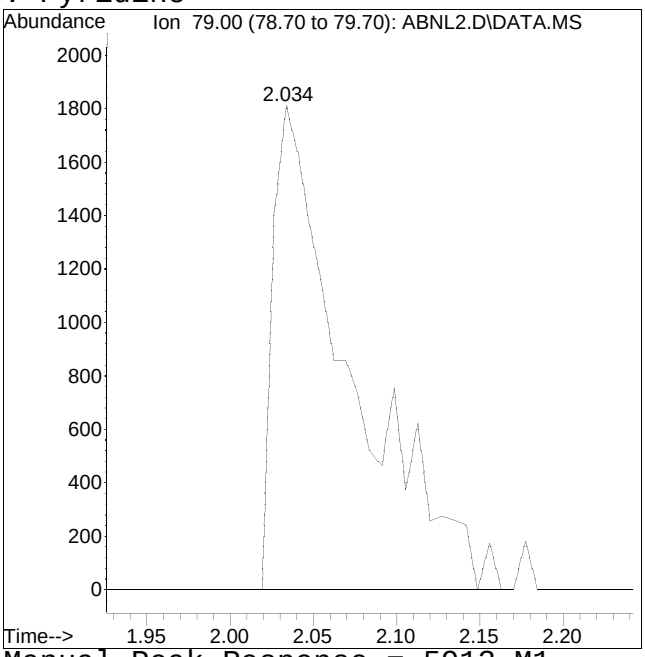


Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL2.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 12:49 am Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 11432 Quant Date : 3/5/2025 2:27 pm

Compound #3: Pyridine





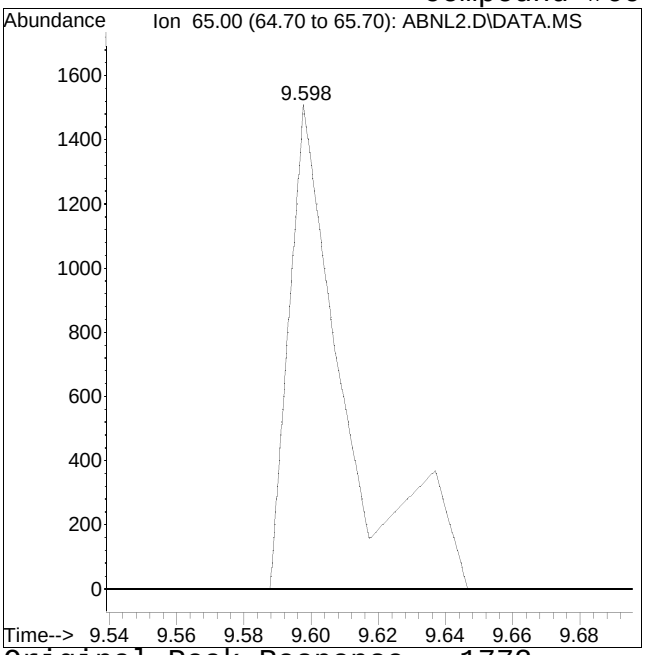
Original Peak Response = 4633 Manual Peak Response = 5913 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

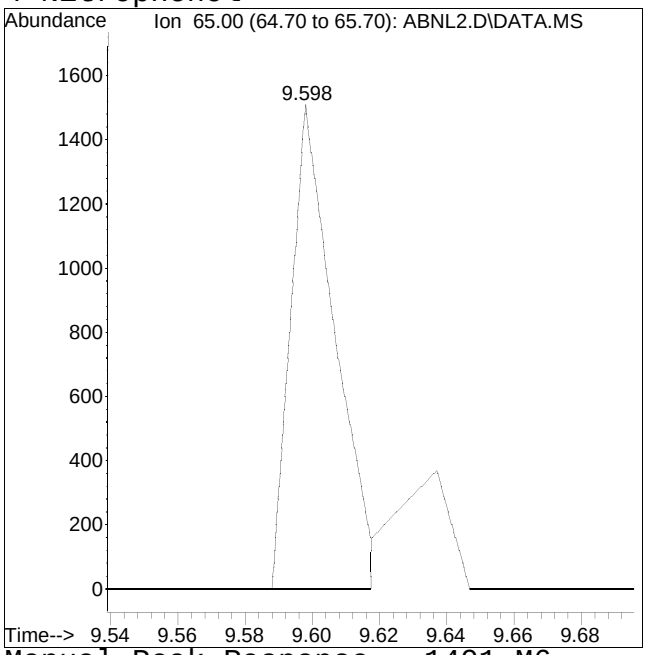
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL2.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 12:49 am Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 11432 Quant Date : 3/5/2025 2:27 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 1772



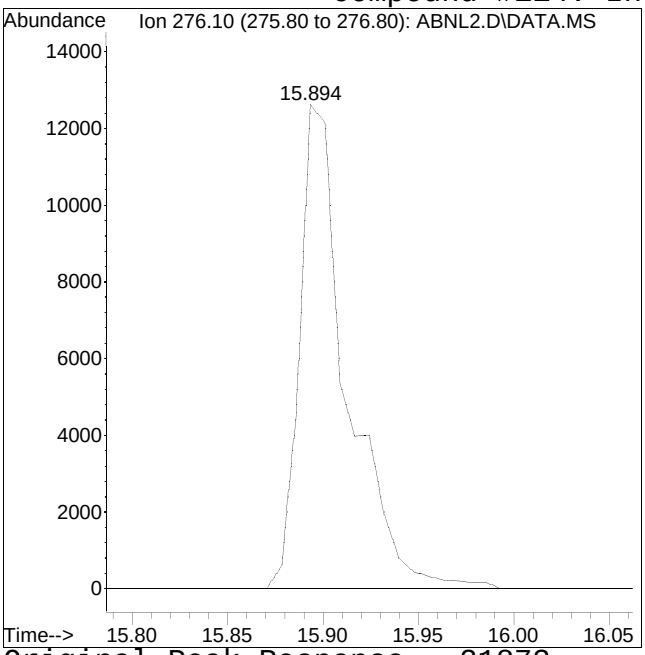
Manual Peak Response = 1401 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

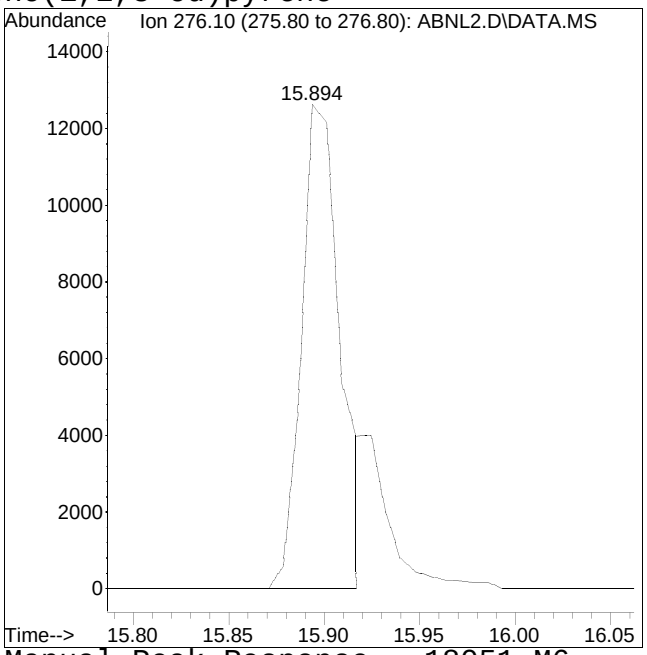
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL2.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 12:49 am Instrument : SV107
Sample : IL9,32,,ABNL0.2 Lot# 11432 Quant Date : 3/5/2025 2:27 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 21873



Manual Peak Response = 18051 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL1.D
Acq On : 5 Mar 2025 1:14 am
Operator : SV107:mrg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2037043
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 05 14:25:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	97862	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery = 95.34%		
35) IS1_Naphthalene-d8	7.660	136	342884	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 92.88%		
63) IS1_Acenaphthene-d10	9.422	164	221083	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery = 89.50%		
88) IS1_Phenanthrene-d10	10.859	188	483623	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 93.17%		
104) IS1_Chrysene-d12	13.474	240	458282	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery = 88.29%		
113) IS1_Perylene-d12	14.935	264	454659	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 90.17%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.193	112	2437	0.098 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.90%#		
7) Phenol-d6	5.865	99	3233	0.107 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.35%#		
19) Nitrobenzene-d5	6.902	82	2576	0.093 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 9.30%#		
46) 2-Fluorobiphenyl	8.786	172	9632	0.114 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.40%#		
79) 2,4,6-Tribromophenol	10.196	330	948	0.085 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.25%#		
96) 4-Terphenyl-d14	12.437	244	13099	0.112 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.969	74	1442	0.087 ug/ml#	96
3) Pyridine	2.055	79	3646M1	0.120 ug/ml	
5) Aniline	5.823	93	2841	0.074 ug/ml#	93
6) 2-Chlorophenol	5.959	128	2616	0.094 ug/ml	97
8) Phenol	5.882	94	3633	0.107 ug/ml	94
9) Bis(2-chloroethyl)ether	5.959	93	3022	0.111 ug/ml#	80
10) 1,3-Dichlorobenzene	6.145	146	4008	0.109 ug/ml	96
11) 1,4-Dichlorobenzene	6.239	146	4195	0.110 ug/ml#	78
12) 1,2-Dichlorobenzene	6.426	146	3986	0.111 ug/ml	97
13) Benzyl alcohol	6.460	79	1897	0.091 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.639	45	4658	0.105 ug/ml#	59

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL1.D
Acq On : 5 Mar 2025 1:14 am
Operator : SV107:mrg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2037043
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 05 14:25:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
15) 2-Methylphenol	6.624	108	2440	0.098	ug/ml		92
16) Hexachloroethane	6.819	117	1174	0.093	ug/ml	#	34
17) n-Nitrosodi-n-propylamine	6.789	70	1868	0.095	ug/ml	#	59
18) 3-Methylphenol/4-Methy...	6.819	108	2414	0.092	ug/ml	#	89
20) Nitrobenzene	6.924	77	2469	0.089	ug/ml	#	91
21) Isophorone	7.210	82	5074	0.095	ug/ml	#	94
22) 2-Nitrophenol	7.277	139	869	0.066	ug/ml	#	77
23) 2,4-Dimethylphenol	7.390	107	2489	0.088	ug/ml		98
24) Bis(2-chloroethoxy)met...	7.480	93	3932	0.101	ug/ml	#	88
25) 2,4-Dichlorophenol	7.545	162	2526	0.088	ug/ml		94
26) 1,2,4-Trichlorobenzene	7.624	180	4083	0.110	ug/ml		97
36) Naphthalene	7.682	128	9895	0.112	ug/ml		97
37) Benzoic Acid	7.450	105	816M6	0.082	ug/ml		
38) 4-Chloroaniline	7.783	65	1187	0.107	ug/ml		94
39) Hexachlorobutadiene	7.855	225	2444	0.116	ug/ml		96
40) p-Chloro-m-cresol	8.310	107	2155	0.092	ug/ml		88
41) 2-Methylnaphthalene	8.409	142	6182	0.110	ug/ml		94
42) 1-Methylnaphthalene	8.499	115	2227	0.110	ug/ml		91
43) Hexachlorocyclopentadiene	8.579	237	2198	0.092	ug/ml	#	93
44) 2,4,6-Trichlorophenol	8.705	196	2269	0.100	ug/ml		94
45) 2,4,5-Trichlorophenol	8.732	196	2315	0.098	ug/ml	#	92
47) 2-Chloronaphthalene	8.885	162	8241	0.121	ug/ml	#	91
48) 2-Nitroaniline	9.002	138	1308	0.079	ug/ml		85
49) 1,4-Dinitrobenzene	9.138	168	724	0.464	ug/ml	#	70
50) 1,3-Dinitrobenzene	9.216	168	670	0.061	ug/ml	#	1
51) Dimethyl phthalate	9.206	163	8856	0.107	ug/ml	#	96
52) Acenaphthylene	9.284	152	10957	0.106	ug/ml		98
53) 2,6-Dinitrotoluene	9.245	165	1022	0.066	ug/ml	#	79
54) 1,2-Dinitrobenzene	9.294	168	509	0.077	ug/ml	#	1
64) 3-Nitroaniline	9.402	138	1047	0.073	ug/ml	#	1
65) Acenaphthene	9.451	154	7695	0.129	ug/ml		98
66) 2,4-Dinitrophenol	9.510	184	350M2	0.252	ug/ml		
67) Dibenzofuran	9.627	168	12009	0.118	ug/ml		96
68) 2,4-Dinitrotoluene	9.637	165	1394	0.067	ug/ml	#	71
69) 4-Nitrophenol	9.598	65	774	0.070	ug/ml	#	1
70) 2,3,5,6-Tetrachlorophenol	9.725	232	1624	0.089	ug/ml		88
71) 2,3,4,6-Tetrachlorophenol	9.764	232	1554	0.079	ug/ml		96
72) Diethyl phthalate	9.900	149	7241	0.098	ug/ml		95
73) Fluorene	9.957	166	9113	0.115	ug/ml		94
74) 4-Chlorophenyl phenyl ...	9.978	204	5053	0.125	ug/ml	#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL1.D
Acq On : 5 Mar 2025 1:14 am
Operator : SV107:mrg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2037043
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 05 14:25:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	978	0.072	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.027	198	600	0.466	ug/ml#	65
77)	NDPA/DPA	10.098	169	6764	0.102	ug/ml	92
78)	Azobenzene	10.126	77	6190	0.099	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.446	248	2923	0.120	ug/ml#	82
81)	Hexachlorobenzene	10.499	284	3520	0.124	ug/ml#	77
82)	Pentachlorophenol	10.699	266	1158	0.075	ug/ml	92
89)	Phenanthrene	10.881	178	16504	0.121	ug/ml	97
90)	Anthracene	10.925	178	14222	0.109	ug/ml	99
91)	Carbazole	11.100	167	11425	0.097	ug/ml	99
92)	Di-n-butylphthalate	11.495	149	9785	0.081	ug/ml#	93
93)	Fluoranthene	12.028	202	16231	0.109	ug/ml#	91
94)	Benzidine	12.181	184	2941	0.382	ug/ml#	68
95)	Pyrene	12.239	202	16588	0.106	ug/ml	99
97)	Butyl benzyl phthalate	12.955	149	3614	0.530	ug/ml	89
105)	Benzo(a)anthracene	13.466	228	16049	0.112	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.466	252	3597	0.078	ug/ml#	89
107)	Chrysene	13.497	228	18061	0.128	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	13.592	149	5329	0.240	ug/ml#	97
109)	Di-n-octylphthalate	14.266	149	8189	0.475	ug/ml#	75
110)	Benzo(b)fluoranthene	14.561	252	13871	0.100	ug/ml#	82
111)	Benzo(k)fluoranthene	14.585	252	12764	0.106	ug/ml#	90
112)	Benzo(a)pyrene	14.872	252	10843	0.094	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	15.894	276	11117M6	0.097	ug/mL	
115)	Dibenzo(a,h)anthracene	15.917	278	10222	0.090	ug/ml#	92
116)	Benzo(ghi)perylene	16.131	276	12181	0.106	ug/ml#	90

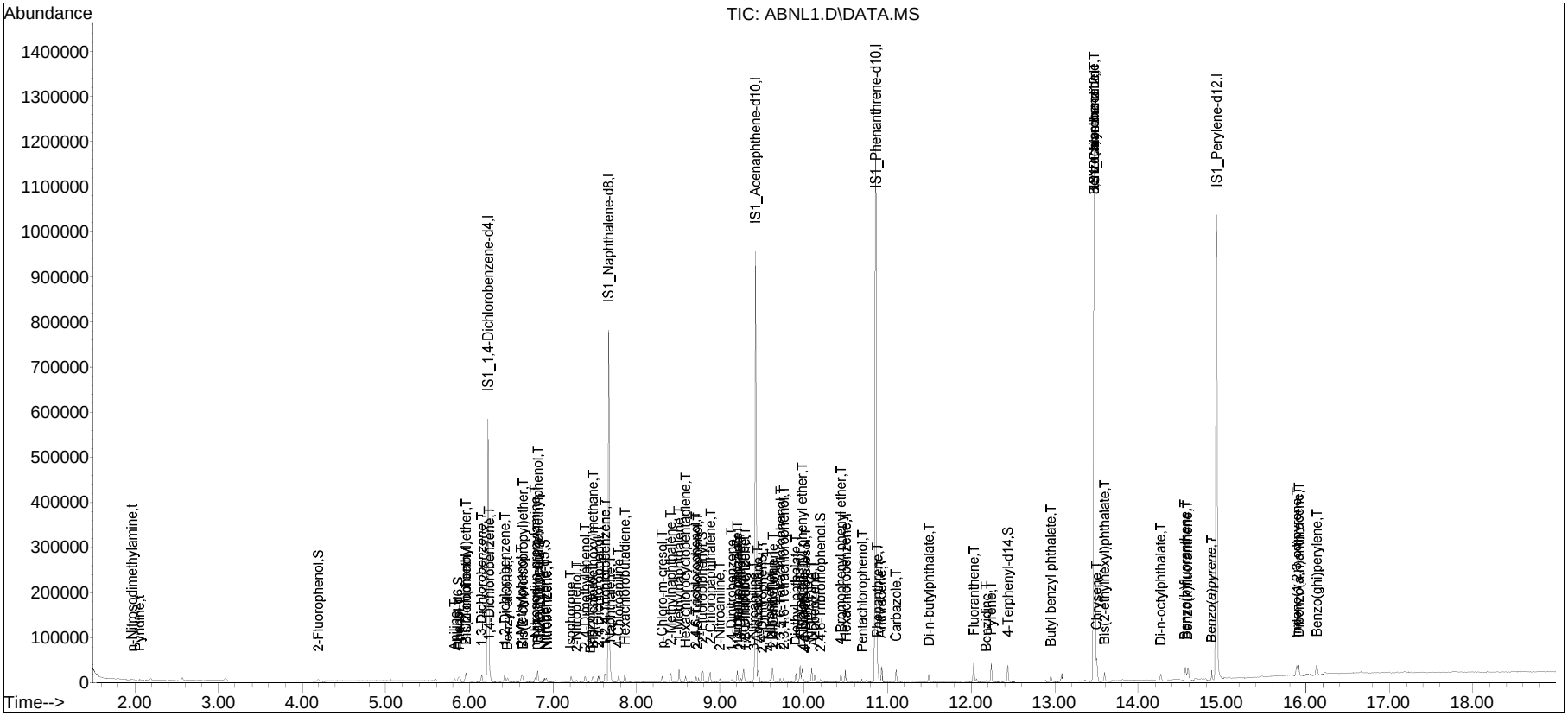
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNL1.D
Acq On : 5 Mar 2025 1:14 am
Operator : SV107:mrg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2037043
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 05 14:25:51 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

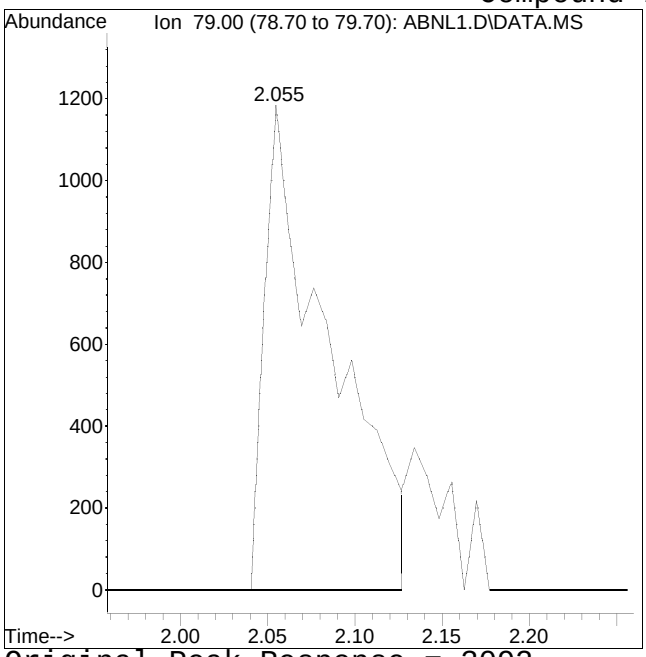
Sub List : ABNical - ABN ical sublistal\ABNL6.D•



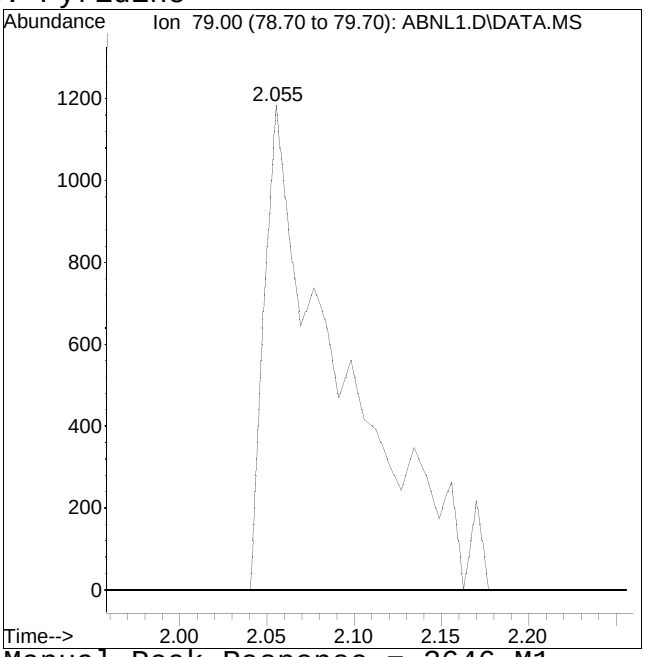
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL1.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 1:14 am Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/5/2025 2:26 pm

Compound #3: Pyridine



Original Peak Response = 3092



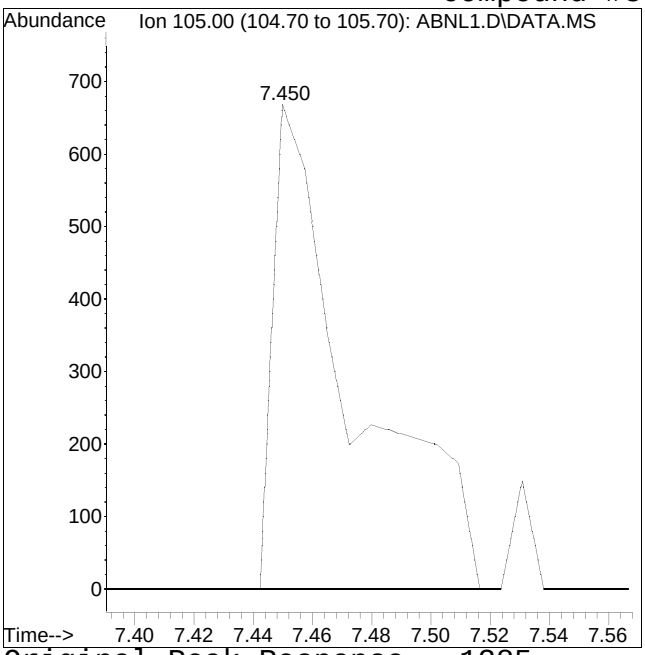
Manual Peak Response = 3646 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

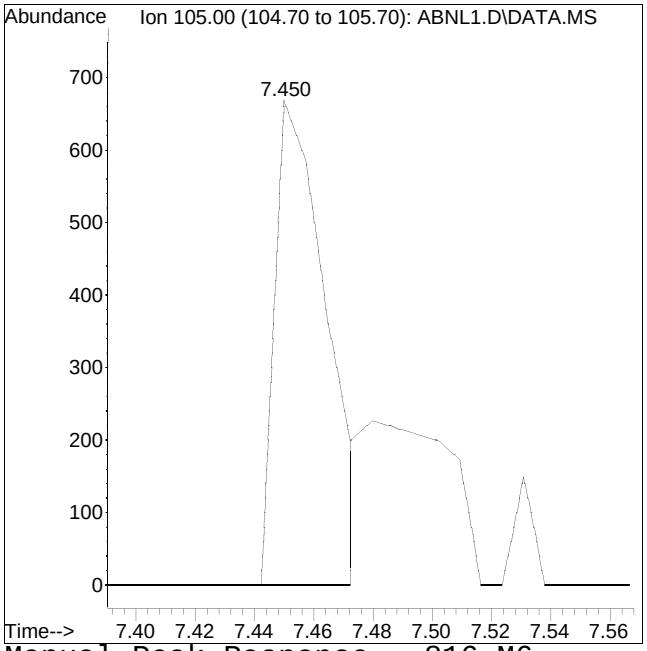
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL1.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 1:14 am Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/5/2025 2:26 pm

Compound #37: Benzoic Acid



Original Peak Response = 1285



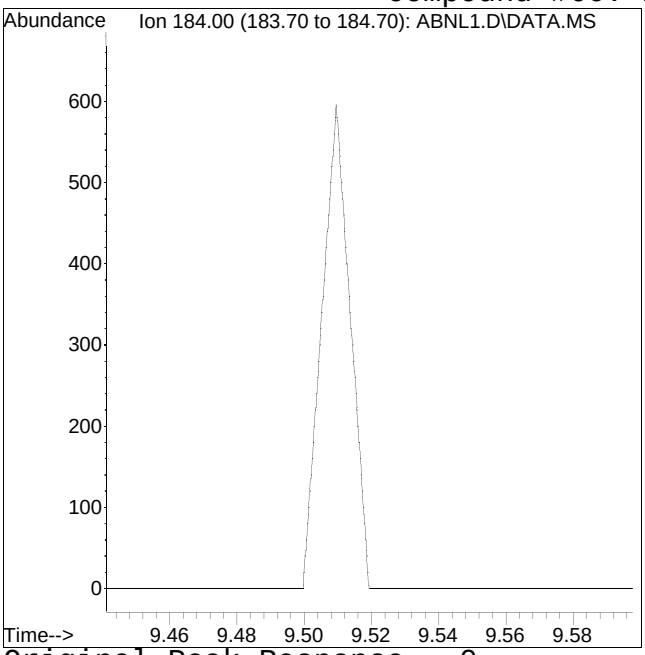
Manual Peak Response = 816 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

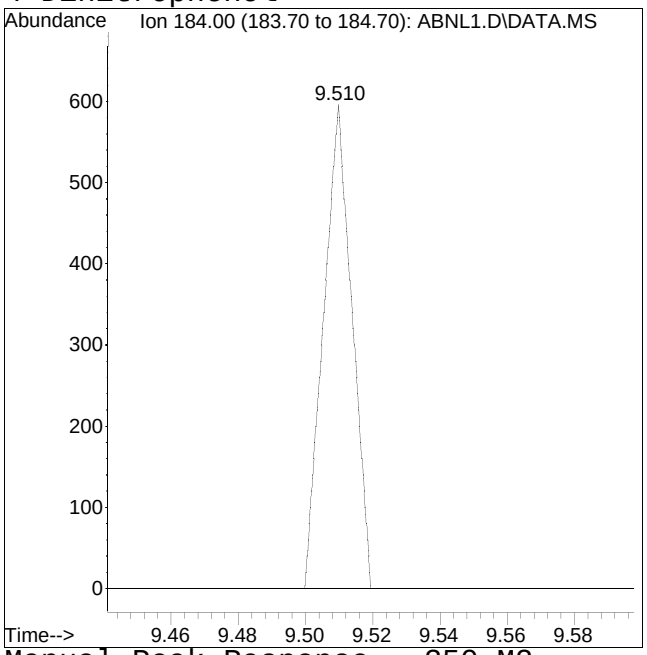
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL1.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 1:14 am Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/5/2025 2:26 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



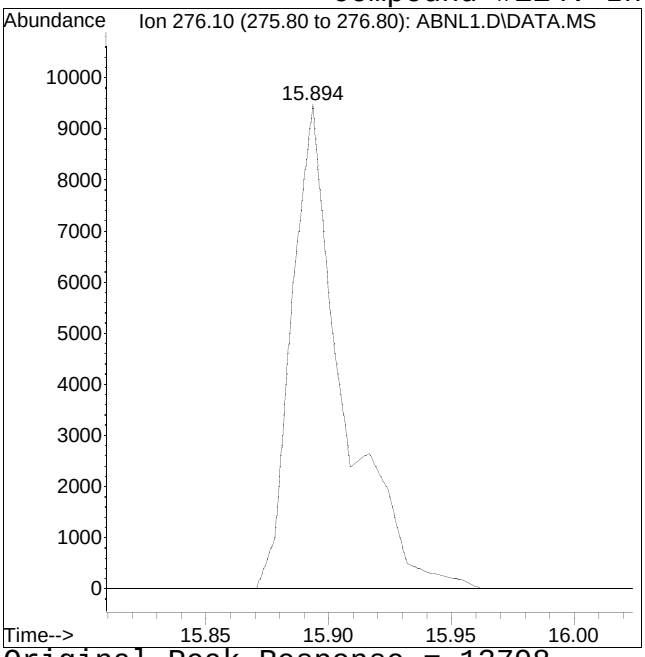
Manual Peak Response = 350 M2

M2 = Peak not found by automatic integration algorithm.

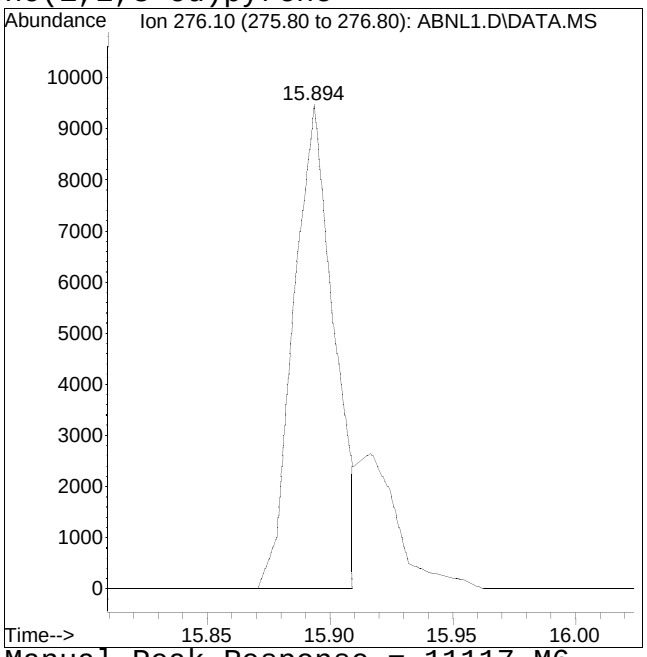
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNL1.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 1:14 am Instrument : SV107
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/5/2025 2:26 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 13798



Manual Peak Response = 11117 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	91	0.00
2	t	n-Nitrosodimethylamine		0.675	0.731	-8.3	95	0.00
3	t	Pyridine		1.237	0.893	27.8#	69	0.00
4	S	2-Fluorophenol		1.016	1.105	-8.8	99	0.00
5	T	Aniline		1.570	1.681	-7.1	93	0.00
6	t	2-Chlorophenol		1.138	1.234	-8.4	99	0.00
7	S	Phenol-d6		1.238	1.368	-10.5	99	0.00
8	T	Phenol		1.390	1.476	-6.2	97	0.00
9	T	Bis(2-chloroethyl)ether		1.108	1.194	-7.8	102	0.00
10	T	1,3-Dichlorobenzene		1.505	1.570	-4.3	98	0.00
11	T	1,4-Dichlorobenzene		1.552	1.597	-2.9	99	0.00
12	T	1,2-Dichlorobenzene		1.469	1.531	-4.2	99	0.00
13	t	Benzyl alcohol		0.850	0.903	-6.2	94	0.00
14	T	Bis(2-chloroisopropyl)ether		1.811	1.915	-5.7	99	0.00
15	T	2-Methylphenol		1.021	1.098	-7.5	97	0.00
16	T	Hexachloroethane		0.519	0.554	-6.7	99	0.00
17	T	n-Nitrosodi-n-propylamine		0.804	0.872	-8.5	96	0.00
18	T	3-Methylphenol/4-Methylphen		1.078	1.189	-10.3	99	0.00
19	S	Nitrobenzene-d5		1.126	1.179	-4.7	93	0.00
20	T	Nitrobenzene		1.140	1.239	-8.7	96	0.00
21	T	Isophorone		2.190	2.357	-7.6	96	0.00
22	T	2-Nitrophenol		0.540	0.515	4.6	89	0.00
23	T	2,4-Dimethylphenol		1.161	1.268	-9.2	96	0.00
24	T	Bis(2-chloroethoxy)methane		1.589	1.829	-15.1	99	0.00
25	T	2,4-Dichlorophenol		1.180	1.290	-9.3	96	0.00
26	T	1,2,4-Trichlorobenzene		1.517	1.578	-4.0	100	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	92	0.00
36	T	Naphthalene		1.028	1.078	-4.9	102	0.00
37	T	Benzoic Acid	*	5.000	3.973	20.5#	78	0.00
38	T	4-Chloroaniline		0.130	0.139	-6.9	101	0.00
39	T	Hexachlorobutadiene		0.247	0.249	-0.8	99	0.00
40	T	p-Chloro-m-cresol		0.273	0.301	-10.3	98	0.00
41	T	2-Methylnaphthalene		0.657	0.710	-8.1	103	0.00
42	T	1-Methylnaphthalene		0.236	0.247	-4.7	99	0.00
43	T	Hexachlorocyclopentadiene		0.278	0.278	0.0	92	0.00
44	T	2,4,6-Trichlorophenol		0.264	0.277	-4.9	93	0.00
45	T	2,4,5-Trichlorophenol		0.275	0.304	-10.5	99	0.00
46	S	2-Fluorobiphenyl		0.982	1.028	-4.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.795	0.831	-4.5	102	0.00
48	T	2-Nitroaniline		0.194	0.194	0.0	91	0.00
49	T	1,4-Dinitrobenzene	*	5.000	4.334	13.3	96	0.00
50	T	1,3-Dinitrobenzene		0.128	0.130	-1.6	92	0.00
51	T	Dimethyl phthalate		0.963	1.061	-10.2	99	0.00
52	T	Acenaphthylene		1.211	1.343	-10.9	101	0.00
53	T	2,6-Dinitrotoluene		0.180	0.198	-10.0	96	0.00
54	T	1,2-Dinitrobenzene		0.077	0.091	-18.2	98	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	94	0.00
64	T	3-Nitroaniline		0.260	0.309	-18.8	99	0.00
65	T	Acenaphthene		1.082	1.094	-1.1	103	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.375	12.5	88	0.00
67	T	Dibenzofuran		1.846	1.946	-5.4	102	0.00
68	T	2,4-Dinitrotoluene		0.377	0.414	-9.8	97	0.00
69	T	4-Nitrophenol		0.200	0.242	-21.0#	108	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.330	0.380	-15.2	99	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.355	0.412	-16.1	95	0.00
72	T	Diethyl phthalate		1.332	1.471	-10.4	100	0.00
73	T	Fluorene		1.430	1.543	-7.9	103	0.00
74	T	4-Chlorophenyl phenyl ether		0.733	0.772	-5.3	104	0.00
75	T	4-Nitroaniline		0.246	0.297	-20.7#	99	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.297	14.1	92	0.00
77	T	NDPA/DPA		1.200	1.330	-10.8	103	0.00
78	T	Azobenzene		1.133	1.289	-13.8	101	0.00
79	S	2,4,6-Tribromophenol		0.201	0.228	-13.4	98	0.00
80	T	4-Bromophenyl phenyl ether		0.439	0.456	-3.9	100	0.00
81	T	Hexachlorobenzene		0.513	0.529	-3.1	103	0.00
82	T	Pentachlorophenol		0.280	0.276	1.4	91	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	94	0.00
89	T	Phenanthrene		1.129	1.183	-4.8	104	0.00
90	T	Anthracene		1.081	1.166	-7.9	101	0.00
91	T	Carbazole		0.973	1.064	-9.4	100	0.00
92	T	Di-n-butylphthalate		0.996	1.186	-19.1	101	0.00
93	T	Fluoranthene		1.236	1.392	-12.6	103	0.00
94	T	Benzidine	*	5.000	5.296	-5.9	106	0.00
95	T	Pyrene		1.297	1.503	-15.9	103	0.00
96	S	4-Terphenyl-d14		0.965	1.071	-11.0	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.408	11.8	95	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	97	0.00
105	T	Benzo(a)anthracene		1.249	1.347	-7.8	103	0.00
106	T	3,3'-Dichlorobenzidine		0.403	0.494	-22.6#	103	0.00
107	T	Chrysene		1.233	1.249	-1.3	105	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.997	0.1	99	0.00
109	T	Di-n-octylphthalate	*	5.000	4.810	3.8	101	0.00
110	T	Benzo(b)fluoranthene		1.211	1.394	-15.1	103	0.00
111	T	Benzo(k)fluoranthene		1.049	1.108	-5.6	107	0.00
112	T	Benzo(a)pyrene		1.009	1.157	-14.7	106	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.005	1.164	-15.8	105	0.00
115	T	Dibenzo(a,h)anthracene		1.000	1.114	-11.4	105	0.00
116	T	Benzo(ghi)perylene		1.011	1.093	-8.1	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.222	152	93037	4.000 ug/ml	0.00
Standard Area 1 = 102644			Recovery = 90.64%		
35) IS1_Naphthalene-d8	7.660	136	341013	4.000 ug/ml	0.00
Standard Area 1 = 369160			Recovery = 92.38%		
63) IS1_Acenaphthene-d10	9.421	164	231694	4.000 ug/ml	0.00
Standard Area 1 = 247025			Recovery = 93.79%		
88) IS1_Phenanthrene-d10	10.859	188	487109	4.000 ug/ml	0.00
Standard Area 1 = 519096			Recovery = 93.84%		
104) IS1_Chrysene-d12	13.473	240	502368	4.000 ug/ml #	0.00
Standard Area 1 = 519087			Recovery = 96.78%		
113) IS1_Perylene-d12	14.927	264	487509	4.000 ug/ml	0.00
Standard Area 1 = 504221			Recovery = 96.69%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.179	112	128472	5.439 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 271.95%#		
7) Phenol-d6	5.856	99	159094	5.527 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 276.35%#		
19) Nitrobenzene-d5	6.894	82	137114	5.235 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 523.50%#		
46) 2-Fluorobiphenyl	8.795	172	438363	5.237 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 523.70%#		
79) 2,4,6-Tribromophenol	10.196	330	65898	5.650 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 282.50%#		
96) 4-Terphenyl-d14	12.436	244	651879	5.547 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 554.70%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.918	74	85024	5.415 ug/ml#	76
3) Pyridine	1.954	79	103910	3.612 ug/ml#	71
5) Aniline	5.805	93	195550	5.356 ug/ml	98
6) 2-Chlorophenol	5.950	128	143563	5.425 ug/ml	93
8) Phenol	5.873	94	171678	5.310 ug/ml	97
9) Bis(2-chloroethyl)ether	5.941	93	138887	5.389 ug/ml#	80
10) 1,3-Dichlorobenzene	6.145	146	182565	5.215 ug/ml	95
11) 1,4-Dichlorobenzene	6.239	146	185698	5.145 ug/ml	96
12) 1,2-Dichlorobenzene	6.426	146	178036	5.212 ug/ml	95
13) Benzyl alcohol	6.442	79	105022	5.311 ug/ml	96
14) Bis(2-chloroisopropyl)...	6.623	45	222681	5.285 ug/ml#	58

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.623	108	127638	5.375	ug/ml	98
16) Hexachloroethane	6.819	117	64459	5.345	ug/ml#	47
17) n-Nitrosodi-n-propylamine	6.774	70	101452	5.422	ug/ml#	91
18) 3-Methylphenol/4-Methy...	6.811	108	138249	5.516	ug/ml	97
20) Nitrobenzene	6.916	77	144043	5.433	ug/ml	100
21) Isophorone	7.202	82	274090	5.380	ug/ml	98
22) 2-Nitrophenol	7.277	139	59925	4.774	ug/ml	88
23) 2,4-Dimethylphenol	7.382	107	147457	5.460	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.480	93	212656	5.756	ug/ml	95
25) 2,4-Dichlorophenol	7.545	162	150049	5.468	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.624	180	183506	5.201	ug/ml	96
36) Naphthalene	7.682	128	459349	5.241	ug/ml	100
37) Benzoic Acid	7.480	105	44800	3.973	ug/ml	94
38) 4-Chloroaniline	7.775	65	59133	5.342	ug/ml	88
39) Hexachlorobutadiene	7.854	225	106066	5.040	ug/ml	98
40) p-Chloro-m-cresol	8.309	107	128267	5.507	ug/ml	93
41) 2-Methylnaphthalene	8.408	142	302514	5.404	ug/ml	96
42) 1-Methylnaphthalene	8.498	115	105323	5.244	ug/ml	91
43) Hexachlorocyclopentadiene	8.579	237	118527	5.010	ug/ml	99
44) 2,4,6-Trichlorophenol	8.705	196	118096	5.239	ug/ml	99
45) 2,4,5-Trichlorophenol	8.732	196	129554	5.517	ug/ml	100
47) 2-Chloronaphthalene	8.885	162	354215	5.229	ug/ml	93
48) 2-Nitroaniline	9.002	138	82849	5.004	ug/ml	85
49) 1,4-Dinitrobenzene	9.137	168	53600	4.334	ug/ml#	60
50) 1,3-Dinitrobenzene	9.216	168	55351	5.089	ug/ml#	1
51) Dimethyl phthalate	9.206	163	452285	5.510	ug/ml#	99
52) Acenaphthylene	9.284	152	572331	5.544	ug/ml	99
53) 2,6-Dinitrotoluene	9.255	165	84273	5.477	ug/ml#	77
54) 1,2-Dinitrobenzene	9.294	168	38652	5.914	ug/ml#	1
64) 3-Nitroaniline	9.402	138	89541	5.946	ug/ml#	88
65) Acenaphthene	9.460	154	316905	5.056	ug/ml	89
66) 2,4-Dinitrophenol	9.509	184	34768	4.375	ug/ml#	78
67) Dibenzofuran	9.627	168	563499	5.270	ug/ml	90
68) 2,4-Dinitrotoluene	9.637	165	119843	5.483	ug/ml#	83
69) 4-Nitrophenol	9.598	65	70196	6.053	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.725	232	109922	5.754	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.764	232	119354	5.798	ug/ml	96
72) Diethyl phthalate	9.900	149	426091	5.522	ug/ml	97
73) Fluorene	9.957	166	446877	5.396	ug/ml	94
74) 4-Chlorophenyl phenyl ...	9.978	204	223528	5.262	ug/ml#	86

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	9.992	138	85975	6.030	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.027	198	54145	4.297	ug/ml#	57
77)	NDPA/DPA	10.098	169	385140	5.539	ug/ml	93
78)	Azobenzene	10.133	77	373441	5.688	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.446	248	132158	5.193	ug/ml#	84
81)	Hexachlorobenzene	10.498	284	153121	5.155	ug/ml#	83
82)	Pentachlorophenol	10.691	266	79930	4.925	ug/ml	99
89)	Phenanthrene	10.881	178	720269	5.237	ug/ml	99
90)	Anthracene	10.925	178	709870	5.394	ug/ml	98
91)	Carbazole	11.100	167	647707	5.469	ug/ml	98
92)	Di-n-butylphthalate	11.494	149	722098	5.951	ug/ml	99
93)	Fluoranthene	12.027	202	847592	5.630	ug/ml#	91
94)	Benzidine	12.188	184	499202	5.296	ug/ml#	92
95)	Pyrene	12.239	202	915124	5.793	ug/ml	99
97)	Butyl benzyl phthalate	12.955	149	260720	4.408	ug/ml	86
105)	Benzo(a)anthracene	13.466	228	845857	5.393	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.466	252	309920	6.126	ug/ml#	96
107)	Chrysene	13.497	228	784428	5.066	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.592	149	446612	4.997	ug/ml#	97
109)	Di-n-octylphthalate	14.266	149	703691	4.810	ug/ml#	73
110)	Benzo(b)fluoranthene	14.560	252	875200	5.755	ug/ml#	94
111)	Benzo(k)fluoranthene	14.584	252	695733	5.282	ug/ml#	93
112)	Benzo(a)pyrene	14.871	252	726694	5.734	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	15.893	276	709317M6	5.791	ug/mL	
115)	Dibenzo(a,h)anthracene	15.916	278	679154	5.570	ug/ml#	90
116)	Benzo(ghi)perylene	16.131	276	665988	5.406	ug/ml#	87

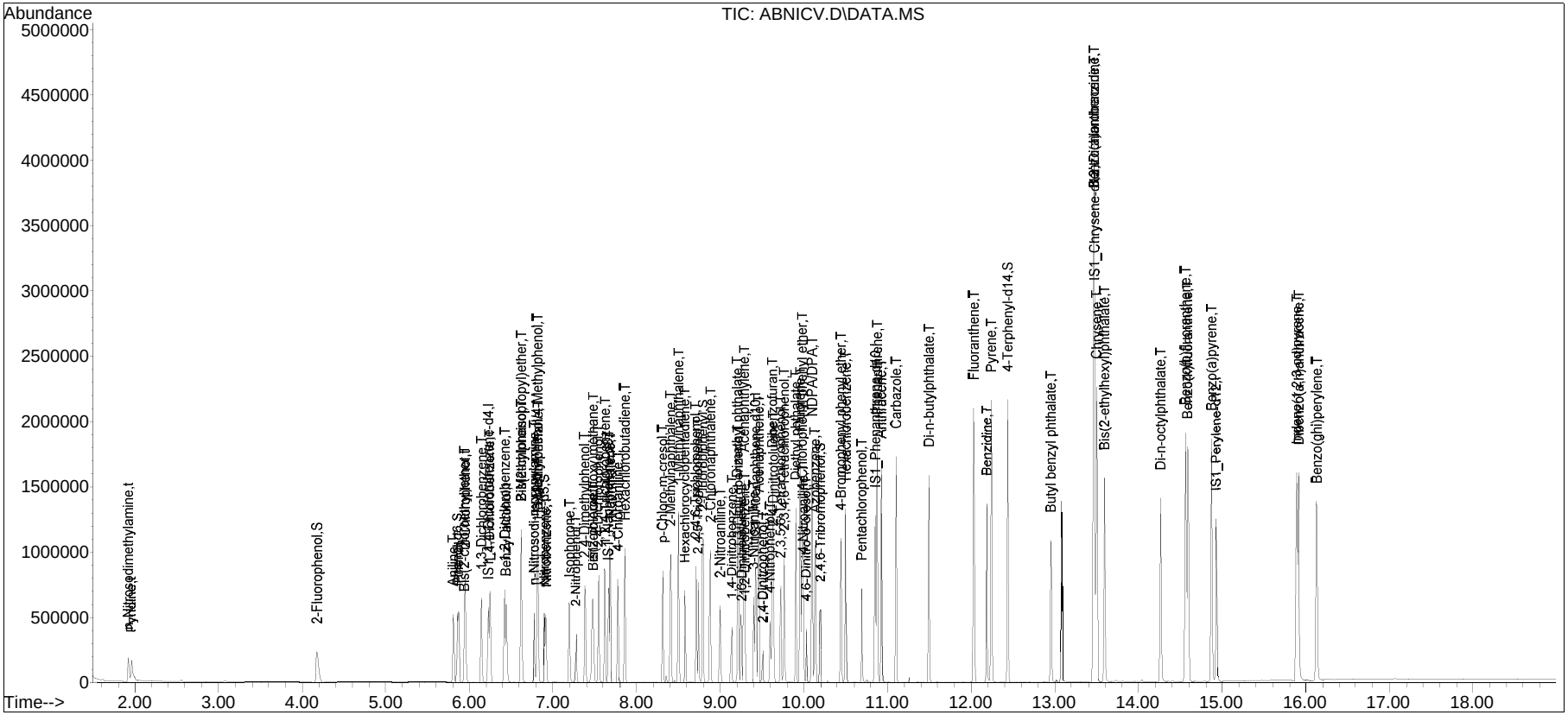
(#) = qualifier out of range (m) = manual integration (+) = signals summed

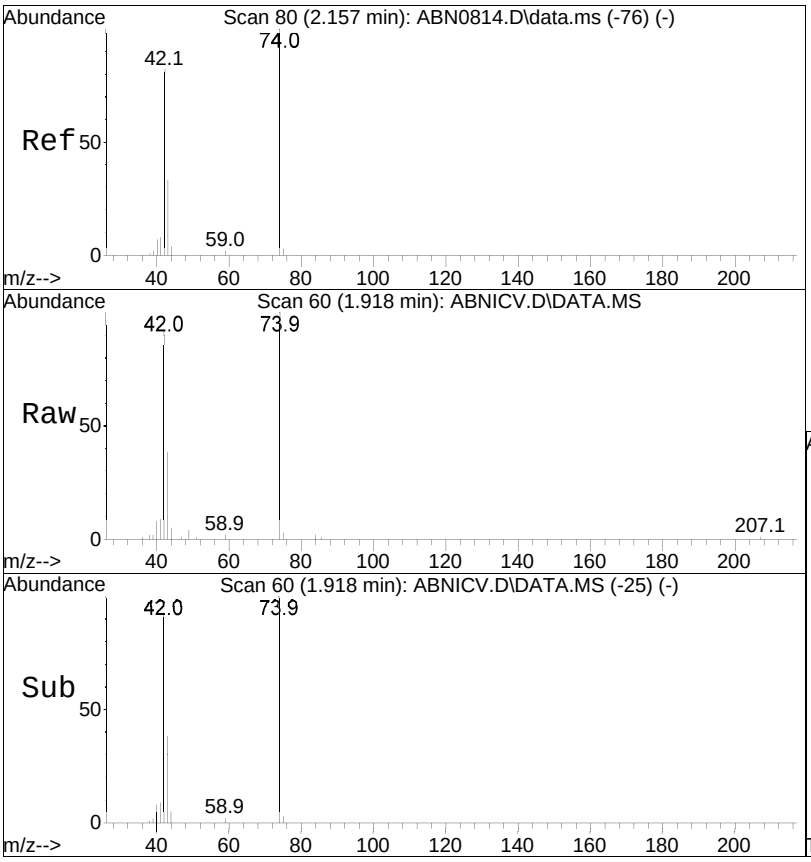
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ABNICV.D
Acq On : 5 Mar 2025 3:47 am
Operator : SV107:mrg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2037043
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 05 14:28:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:26:05 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistal\ABNL6.D•

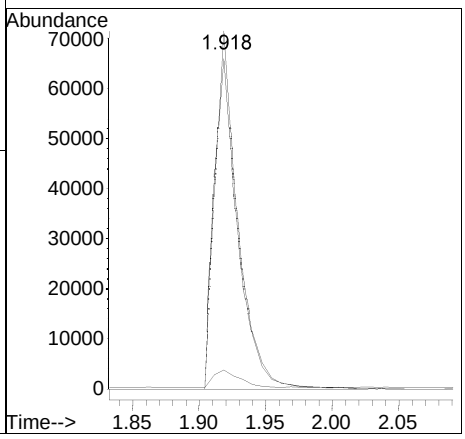


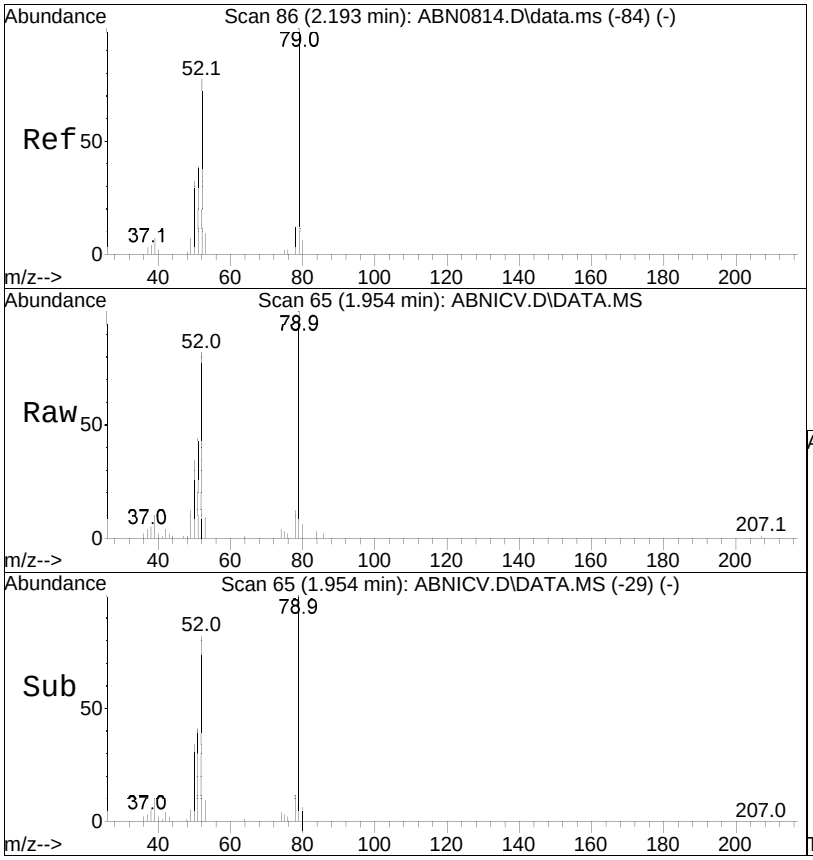


#2
n-Nitrosodimethylamine
Concen: 5.41 ug/ml
RT: 1.918 min Scan# 60
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 74 Resp: 85024

Ion	Ratio	Lower	Upper
74	100		
42	95.8	100.0	150.0#
44	5.7	6.7	10.1#

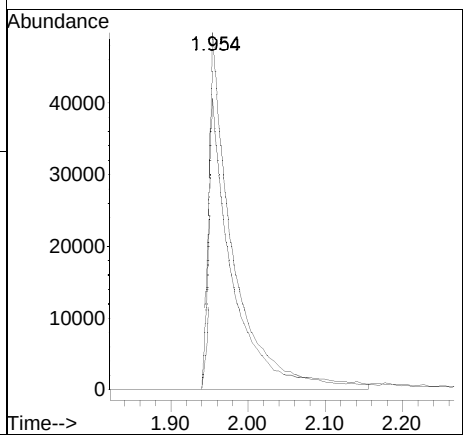


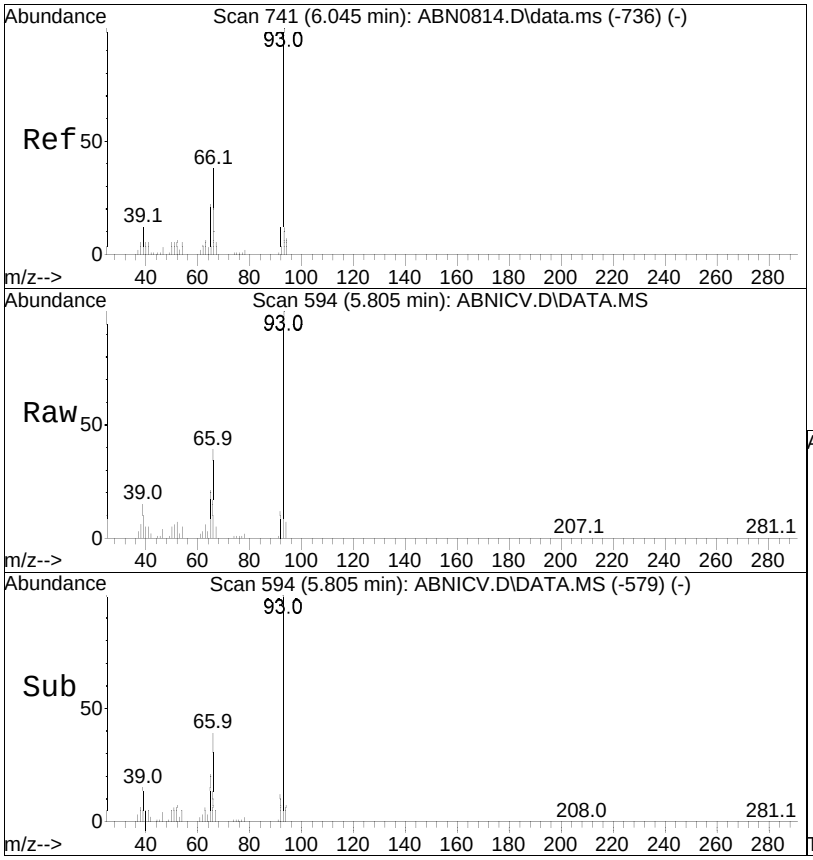


#3
Pyridine
Concen: 3.61 ug/ml
RT: 1.954 min Scan# 65
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 79 Resp: 103910

Ion	Ratio	Lower	Upper
79	100		
52	85.1	93.1	139.7#

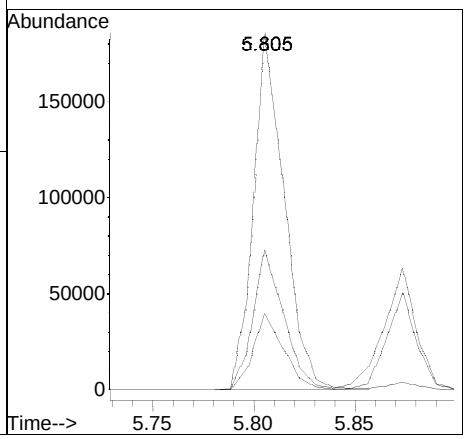


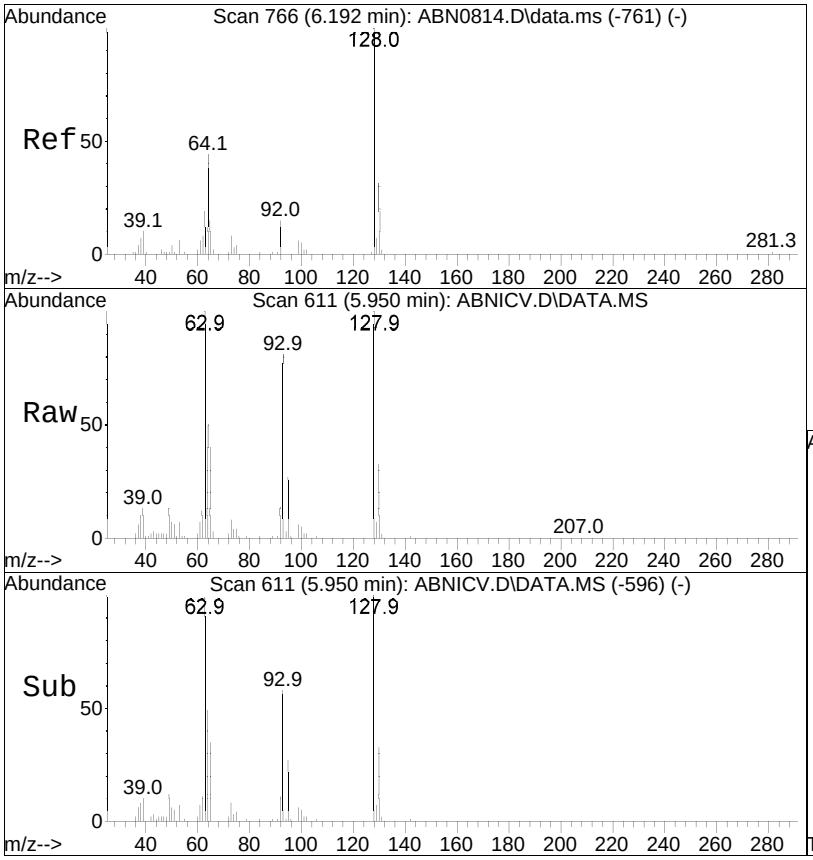


#5
Aniline
Concen: 5.36 ug/ml
RT: 5.805 min Scan# 594
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 93 Resp: 195550

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.6	49.0
65	21.4	17.6	26.4

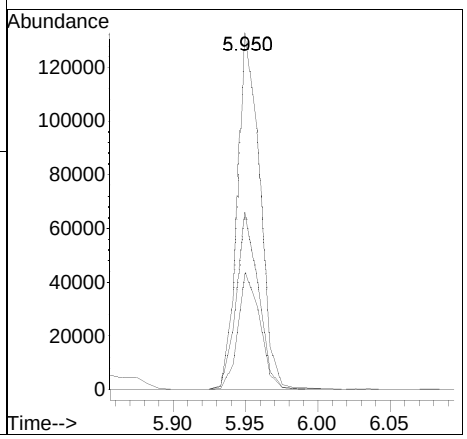


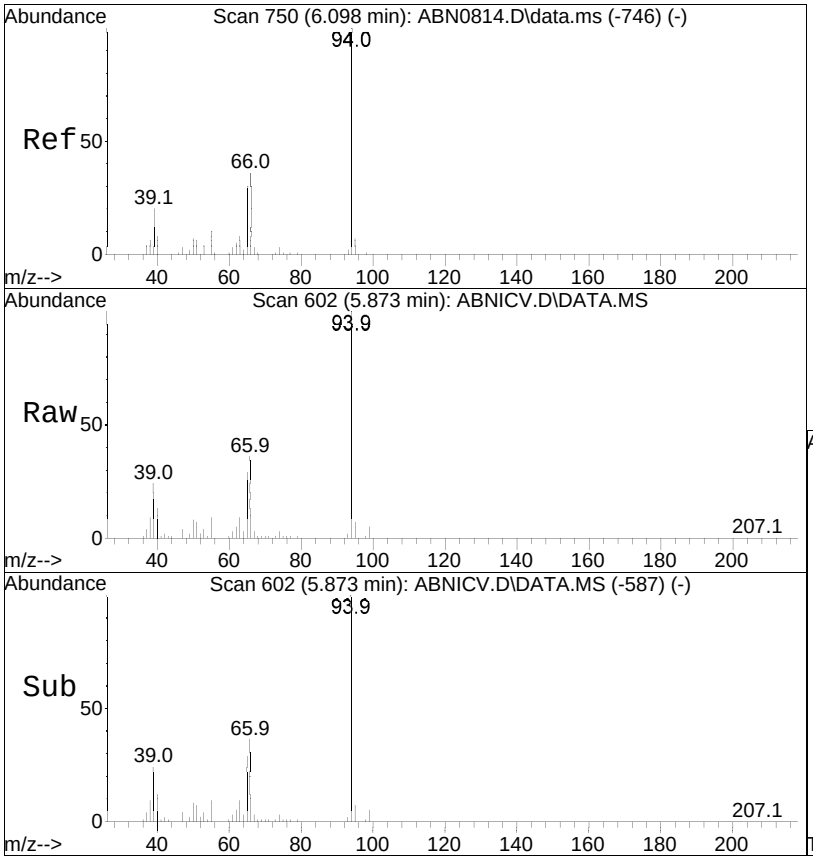


#6
2-Chlorophenol
Concen: 5.42 ug/ml
RT: 5.950 min Scan# 611
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:128 Resp: 143563

Ion	Ratio	Lower	Upper
128	100		
64	49.2	45.1	67.7
130	32.2	26.2	39.4

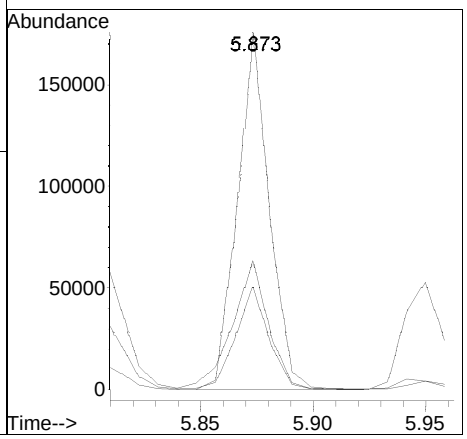


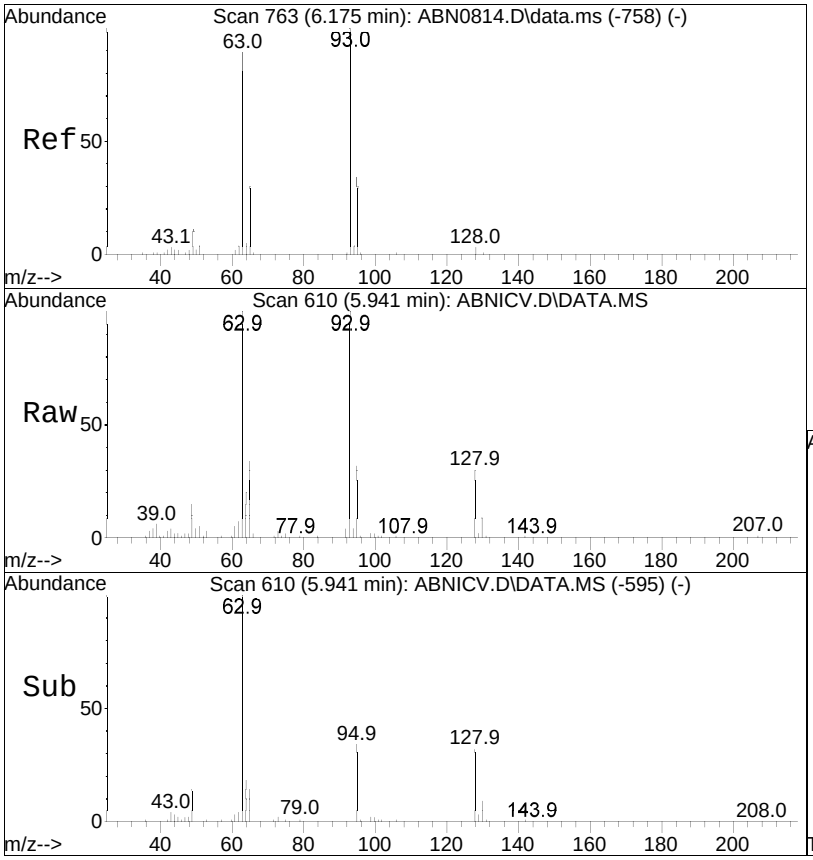


#8
Phenol
Concen: 5.31 ug/ml
RT: 5.873 min Scan# 602
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 94 Resp: 171678

Ion	Ratio	Lower	Upper
94	100		
65	30.0	26.0	39.0
66	41.1	33.8	50.8

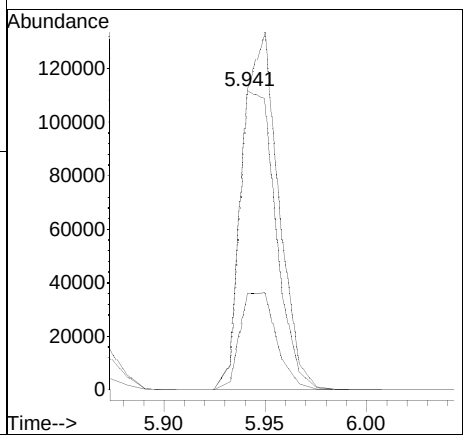


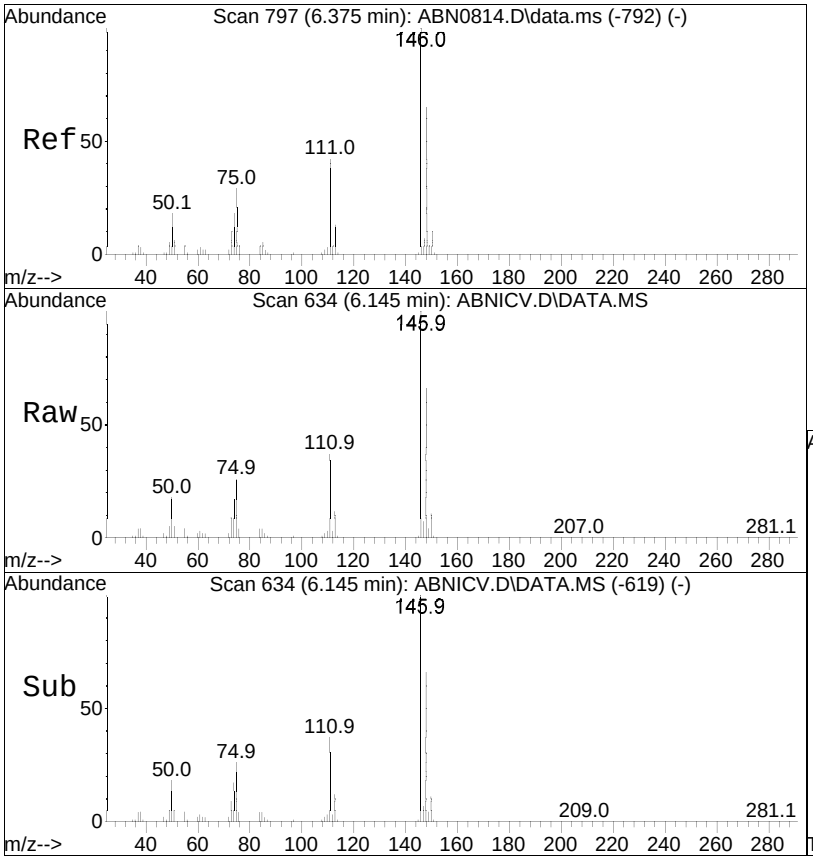


#9
Bis(2-chloroethyl)ether
Concen: 5.39 ug/ml
RT: 5.941 min Scan# 610
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 93 Resp: 138887

Ion	Ratio	Lower	Upper
93	100		
63	118.4	74.6	111.8#
95	32.7	25.9	38.9

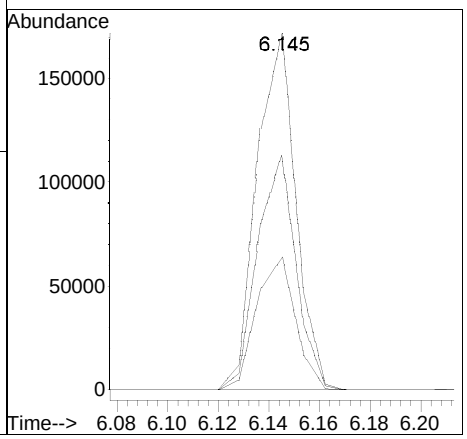


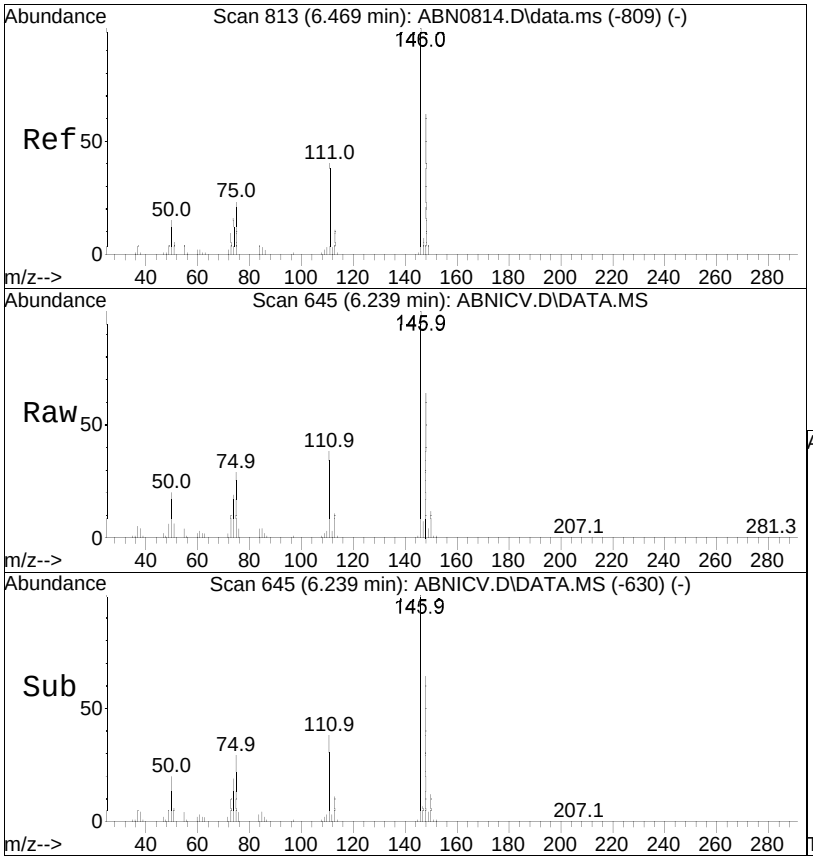


#10
1,3-Dichlorobenzene
Concen: 5.22 ug/ml
RT: 6.145 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:146 Resp: 182565

Ion	Ratio	Lower	Upper
146	100		
111	37.7	34.3	51.5
148	65.3	50.8	76.2

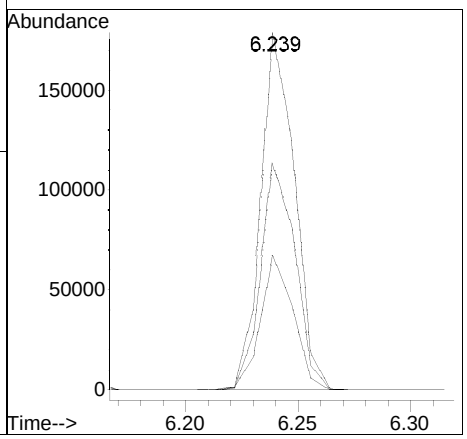


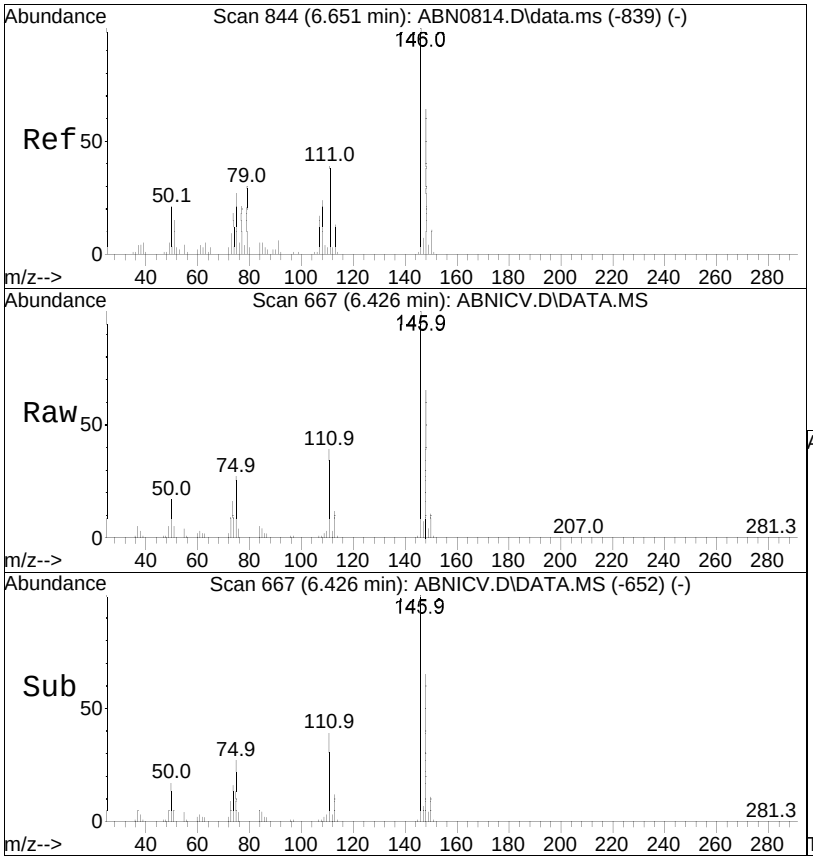


#11
1,4-Dichlorobenzene
Concen: 5.15 ug/ml
RT: 6.239 min Scan# 645
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:146 Resp: 185698

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.7	76.1
111	36.9	33.4	50.0

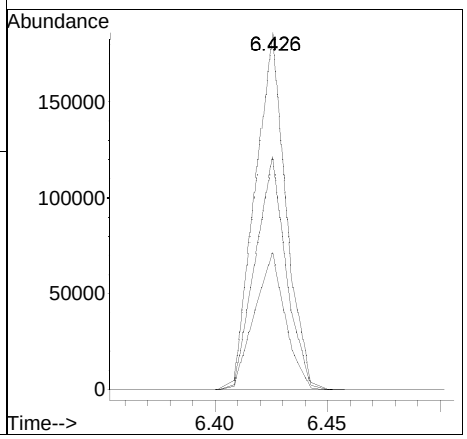


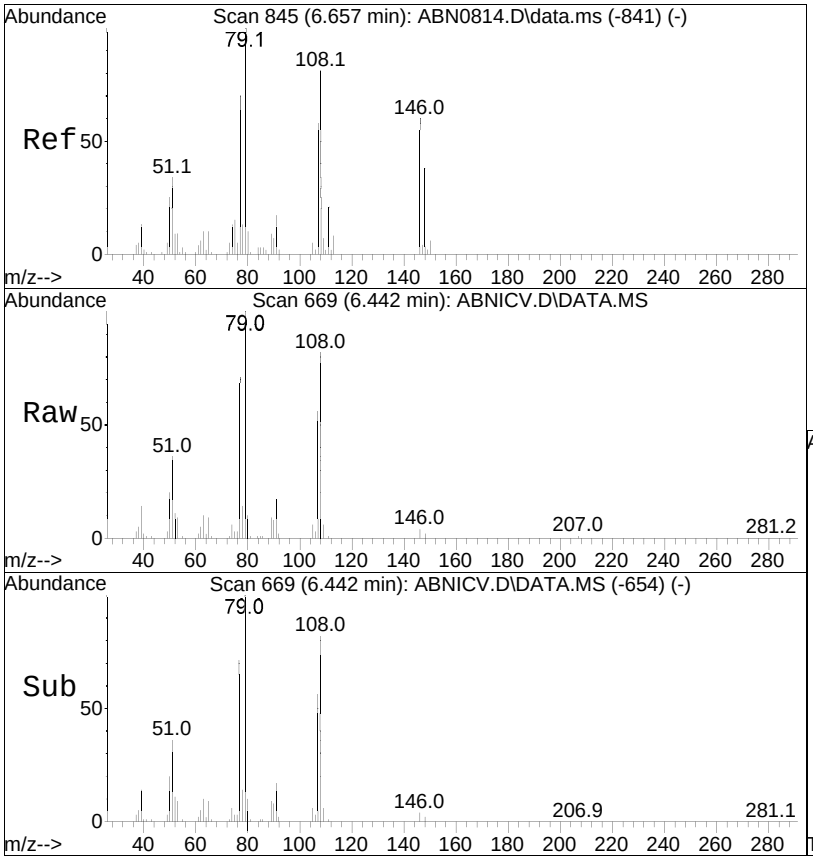


#12
1,2-Dichlorobenzene
Concen: 5.21 ug/ml
RT: 6.426 min Scan# 667
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:146 Resp: 178036

Ion	Ratio	Lower	Upper
146	100		
111	38.5	34.6	52.0
148	65.4	50.2	75.4

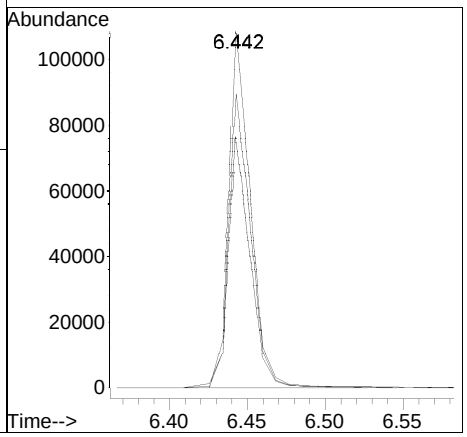


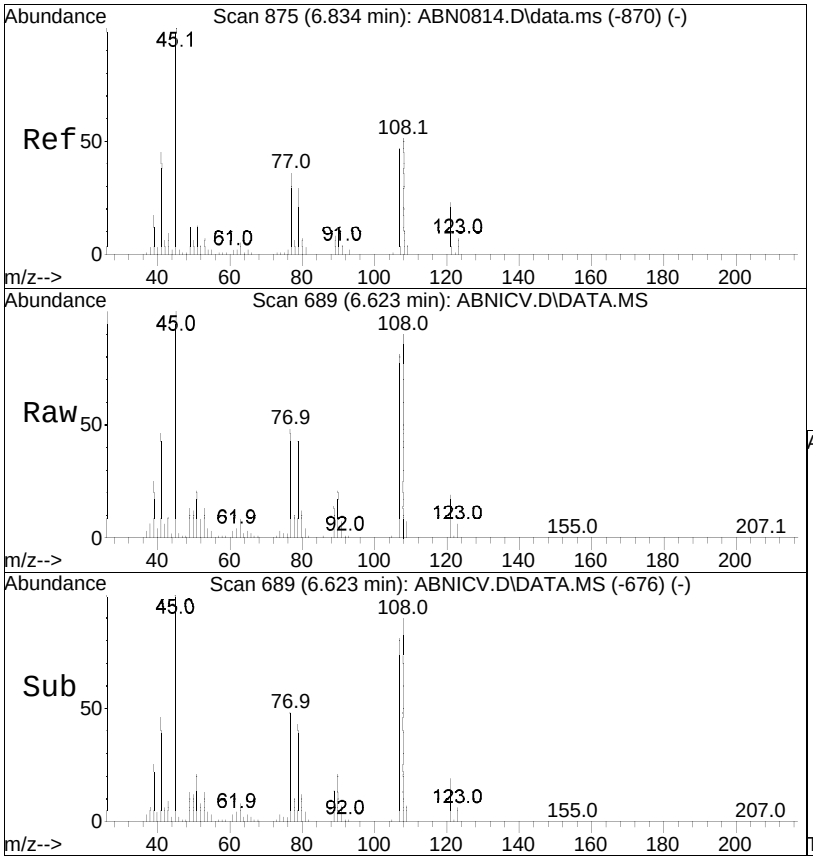


#13
Benzyl alcohol
Concen: 5.31 ug/ml
RT: 6.442 min Scan# 669
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 79 Resp: 105022

Ion	Ratio	Lower	Upper
79	100		
77	70.6	54.9	82.3
108	84.0	63.1	94.7

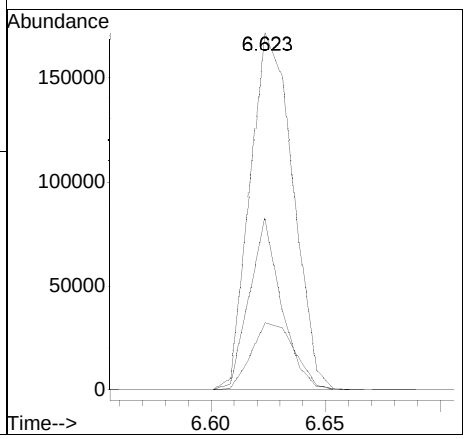


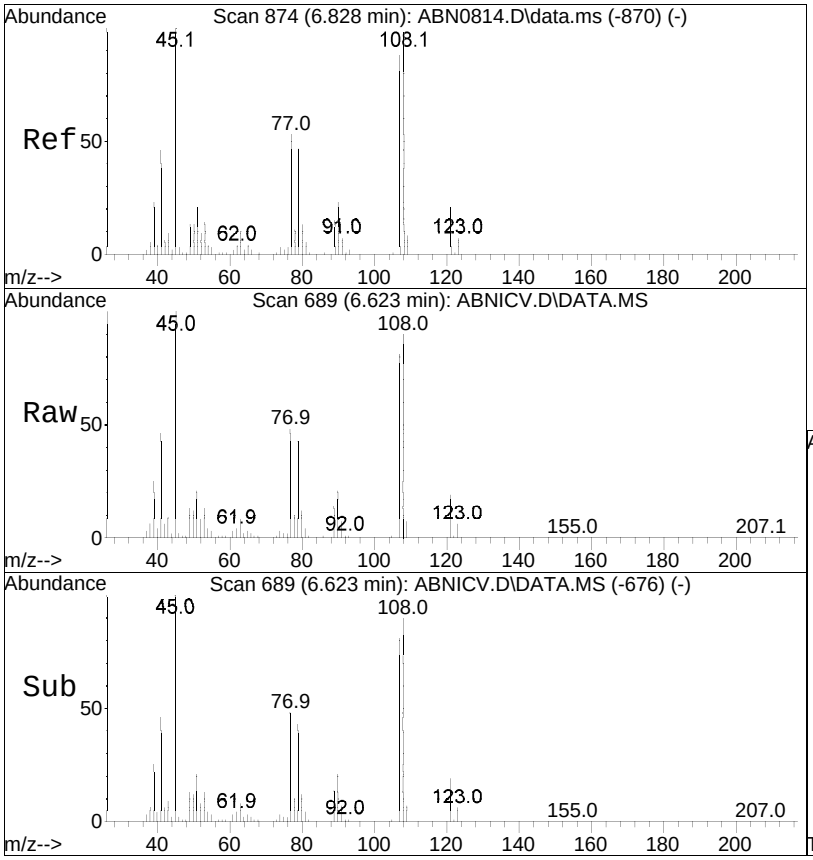


#14
Bis(2-chloroisopropyl)ether
Concen: 5.29 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 45 Resp: 222681

Ion	Ratio	Lower	Upper
45	100		
121	18.9	9.8	14.6#
77	36.2	6.1	9.1#

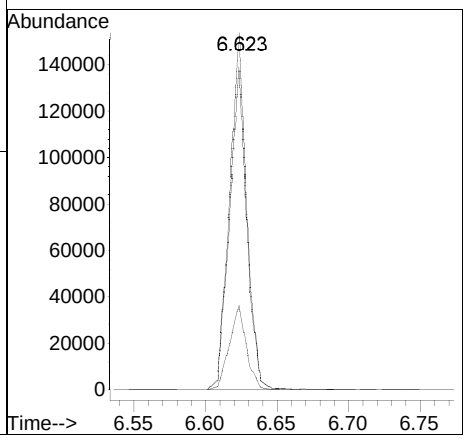


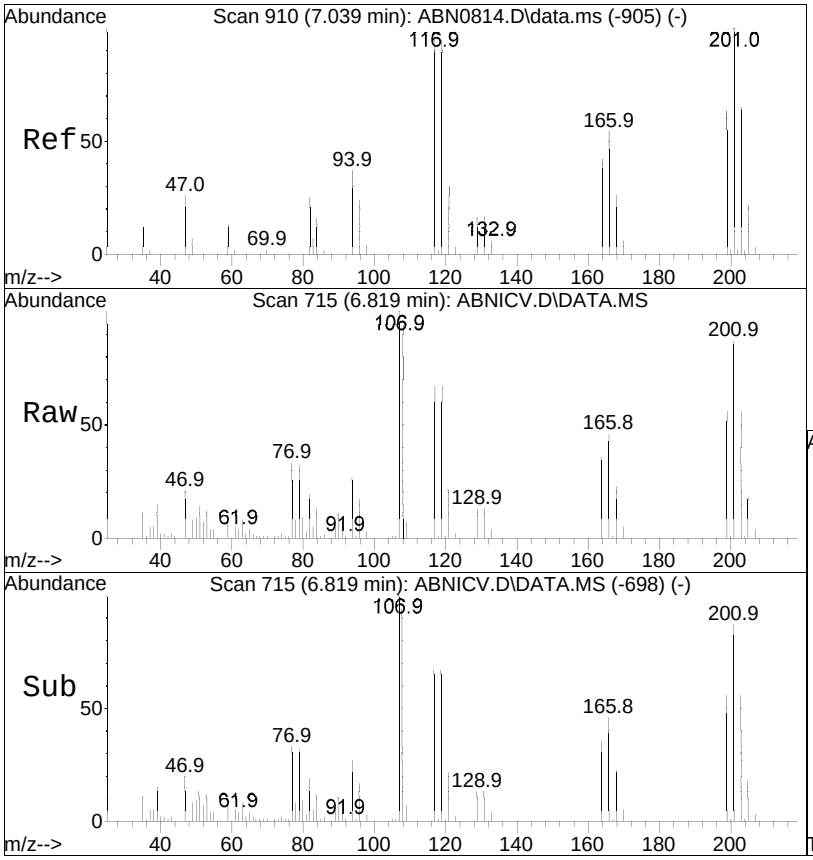


#15
2-Methylphenol
Concen: 5.37 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:108 Resp: 127638

Ion	Ratio	Lower	Upper
108	100		
107	90.7	70.7	106.1
90	23.5	18.7	28.1

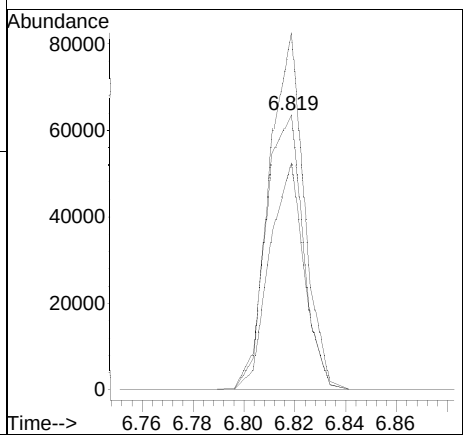


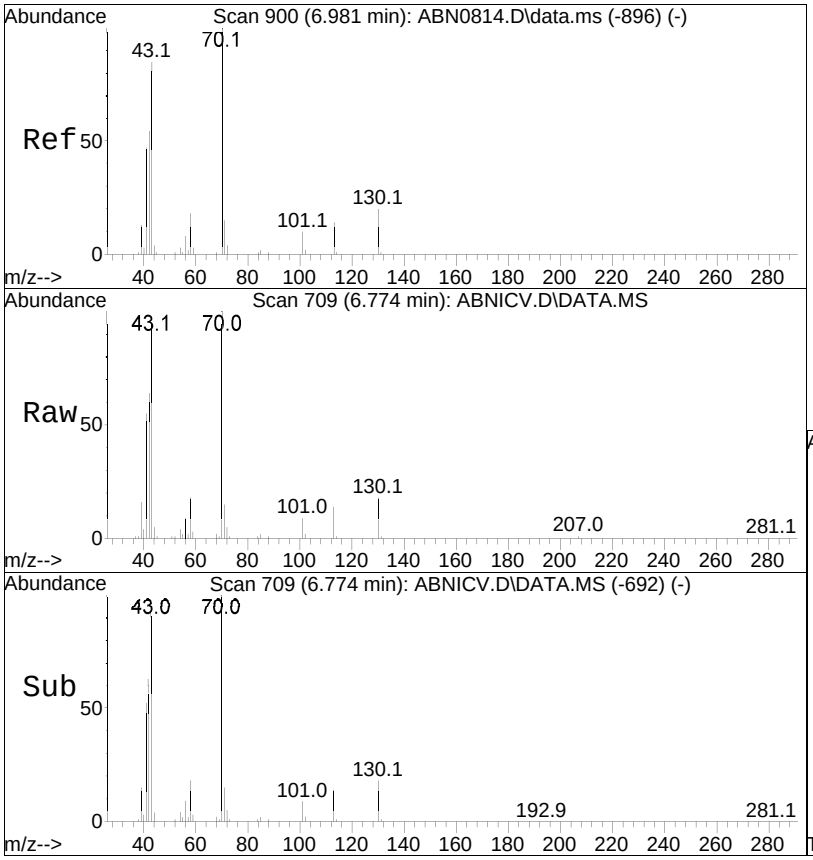


#16
Hexachloroethane
Concen: 5.34 ug/ml
RT: 6.819 min Scan# 715
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:117 Resp: 64459

Ion	Ratio	Lower	Upper
117	100		
201	121.0	58.6	87.8#
199	77.0	36.9	55.3#

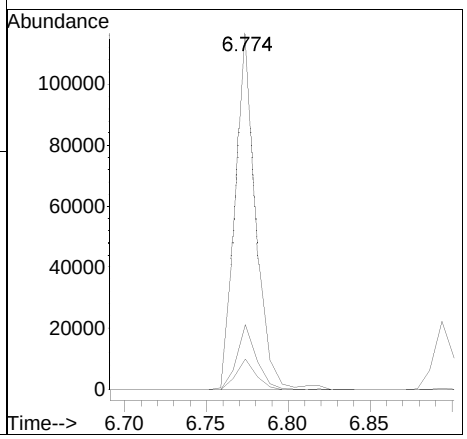


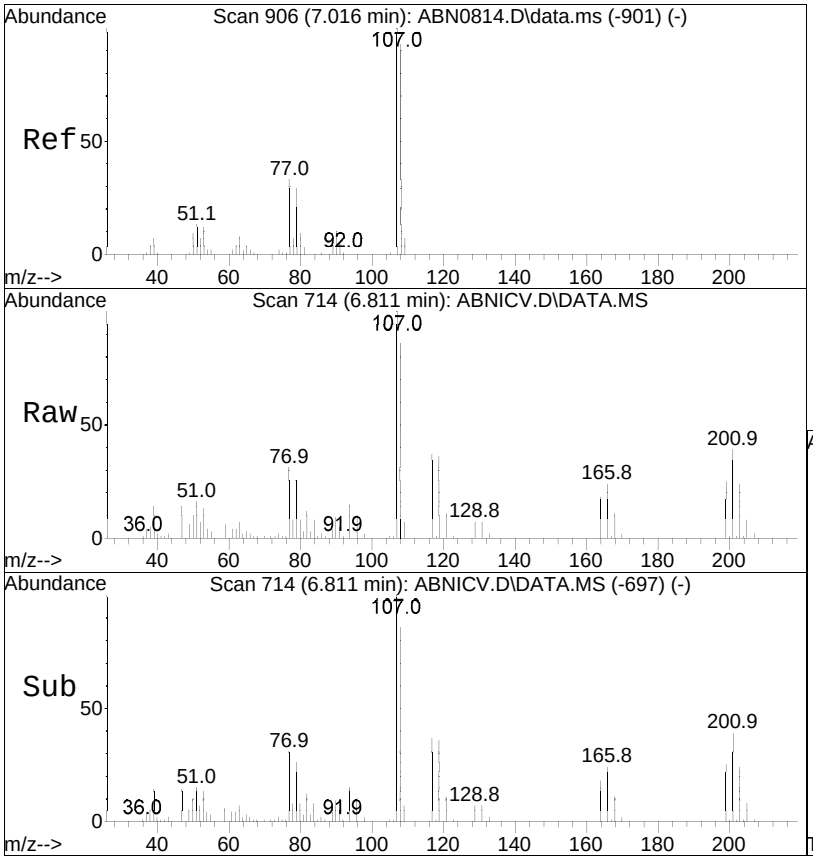


#17
n-Nitrosodi-n-propylamine
Concen: 5.42 ug/ml
RT: 6.774 min Scan# 709
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 70 Resp: 101452

Ion	Ratio	Lower	Upper
70	100		
130	17.4	18.2	27.4#
101	8.3	7.8	11.8

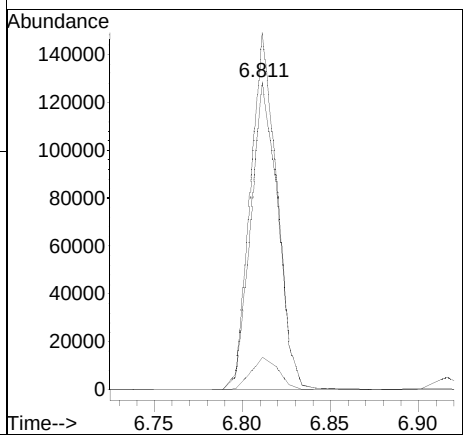


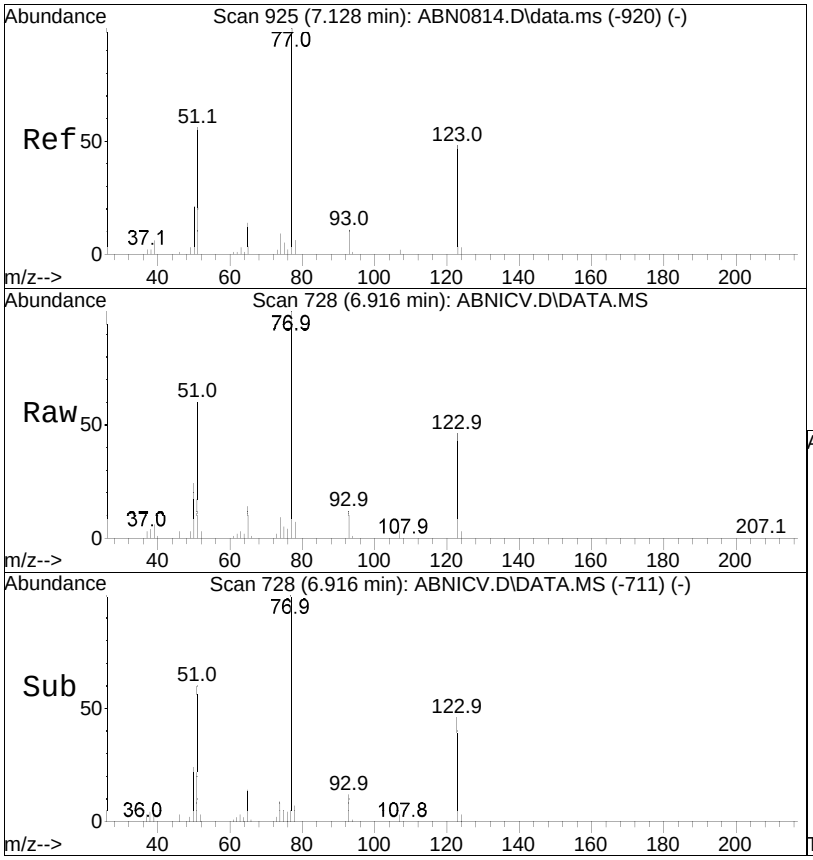


#18
3-Methylphenol/4-Methylphenol
Concen: 5.52 ug/ml
RT: 6.811 min Scan# 714
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:108 Resp: 138249

Ion	Ratio	Lower	Upper
108	100		
107	113.6	88.6	132.8
90	10.7	8.8	13.2

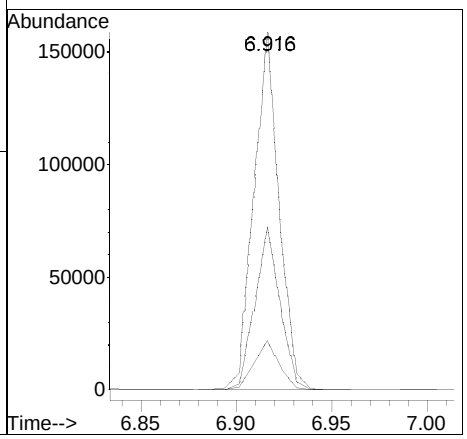


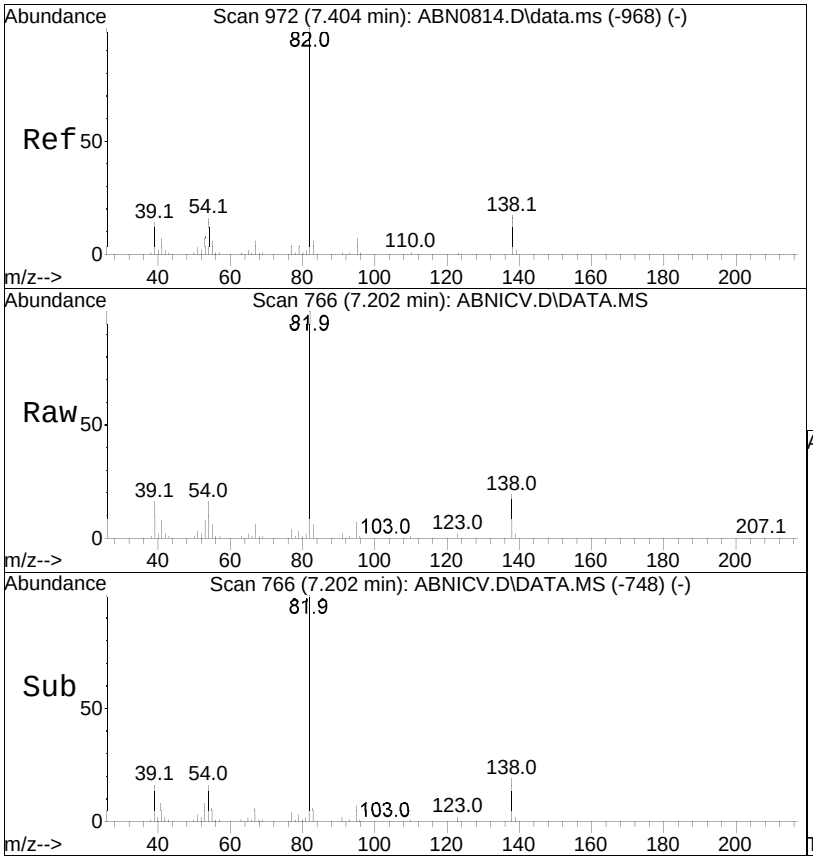


#20
Nitrobenzene
Concen: 5.43 ug/ml
RT: 6.916 min Scan# 728
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 77 Resp: 144043

Ion	Ratio	Lower	Upper
77	100		
123	45.4	36.3	54.5
65	14.0	11.6	17.4

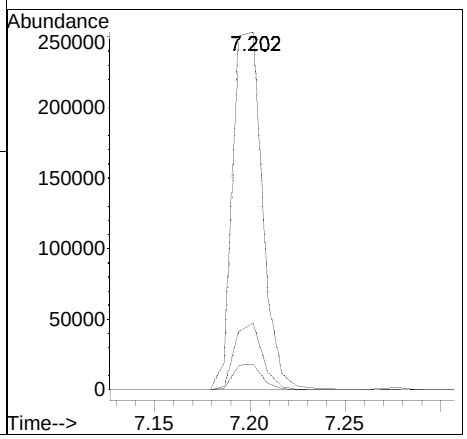


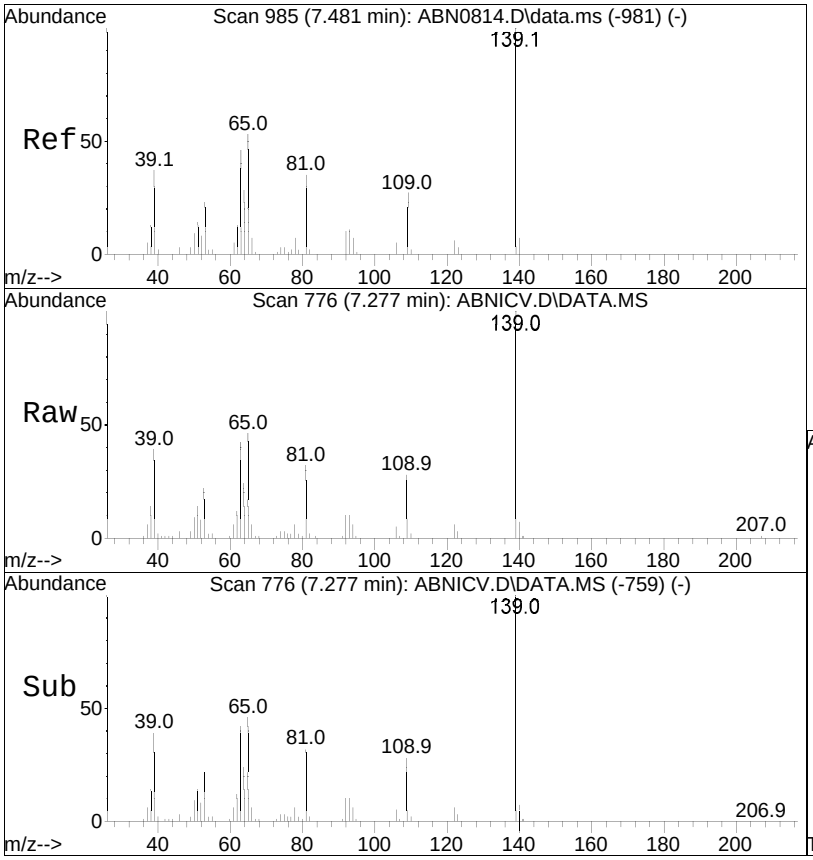


#21
Isophorone
Concen: 5.38 ug/ml
RT: 7.202 min Scan# 766
Delta R.T. 0.008 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 82 Resp: 274090

Ion	Ratio	Lower	Upper
82	100		
138	17.6	14.7	22.1
95	7.0	5.2	7.8

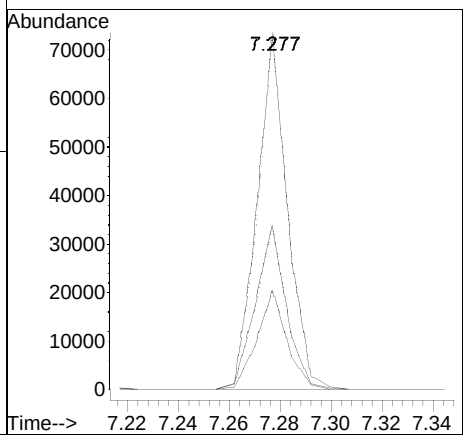


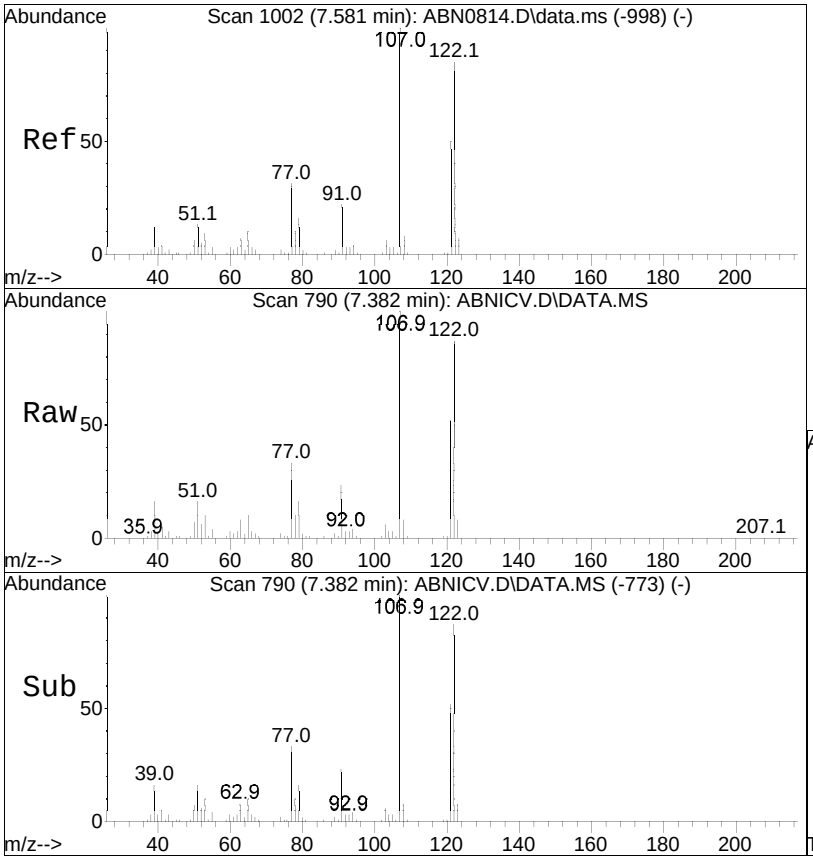


#22
2-Nitrophenol
Concen: 4.77 ug/ml
RT: 7.277 min Scan# 776
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:139 Resp: 59925

Ion	Ratio	Lower	Upper
139	100		
109	27.8	19.4	29.0
65	47.3	46.1	69.1

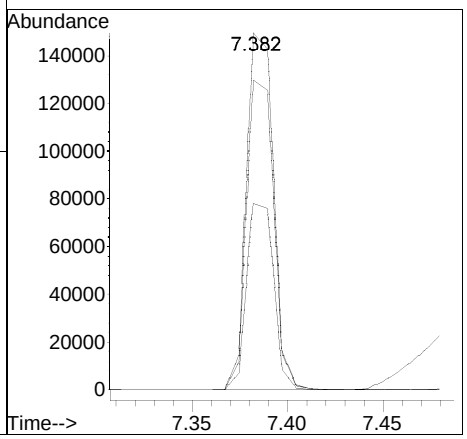


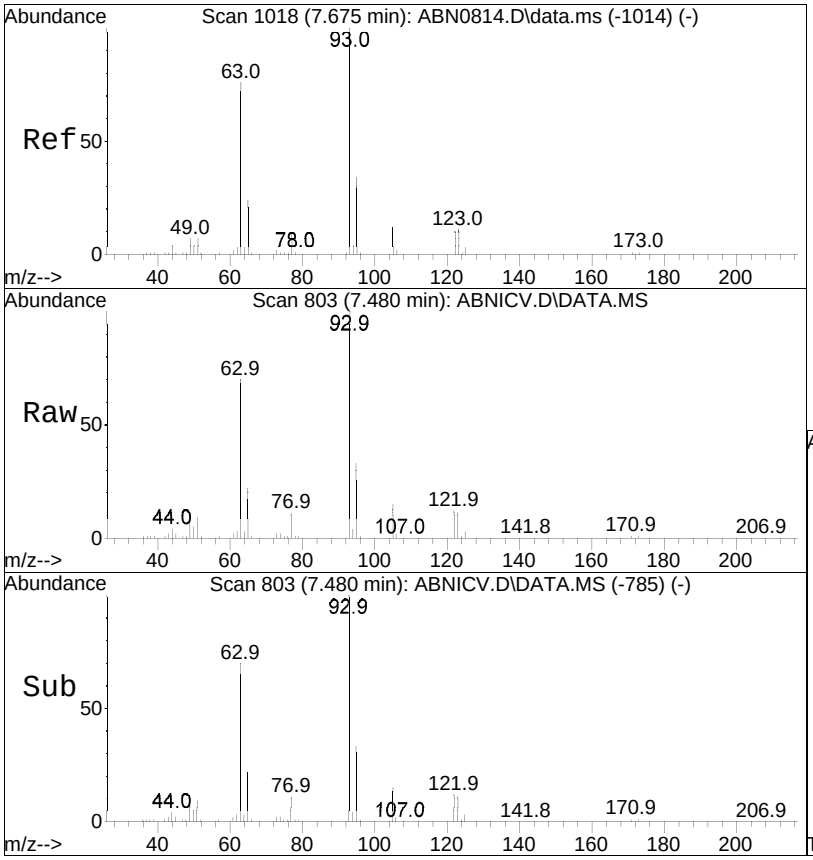


#23
2,4-Dimethylphenol
Concen: 5.46 ug/ml
RT: 7.382 min Scan# 790
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:107 Resp: 147457

Ion	Ratio	Lower	Upper
107	100		
121	52.3	40.0	60.0
122	87.2	70.2	105.4

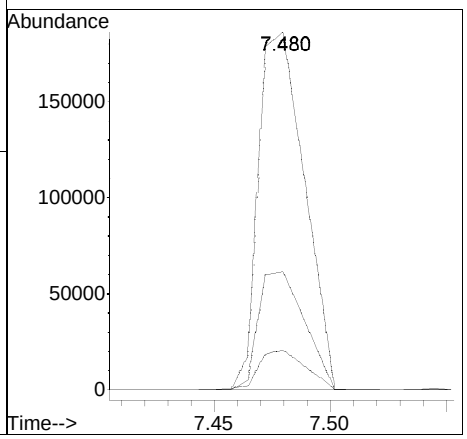


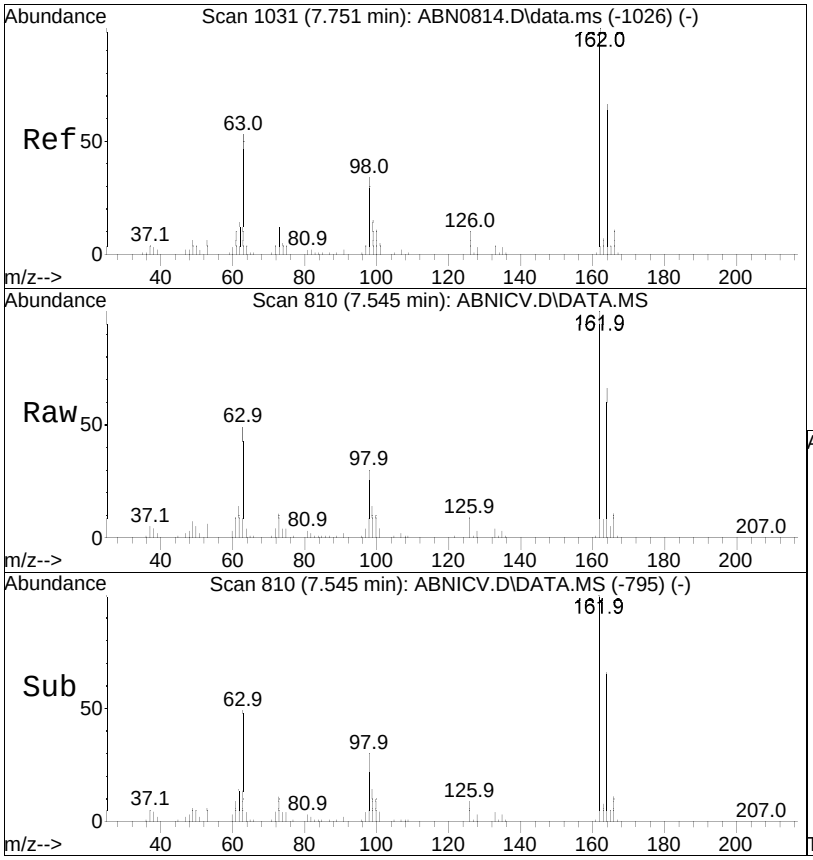


#24
Bis(2-chloroethoxy)methane
Concen: 5.76 ug/ml
RT: 7.480 min Scan# 803
Delta R.T. 0.008 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 93 Resp: 212656

Ion	Ratio	Lower	Upper
93	100		
95	35.5	25.8	38.8
123	10.6	10.1	15.1

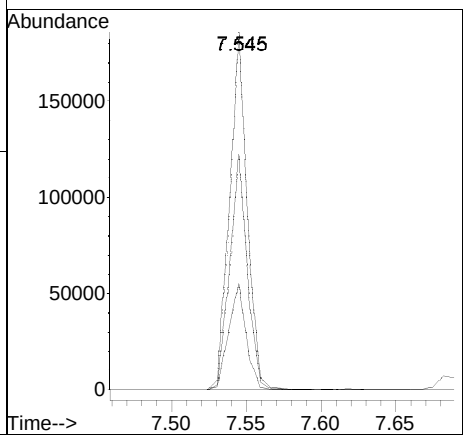


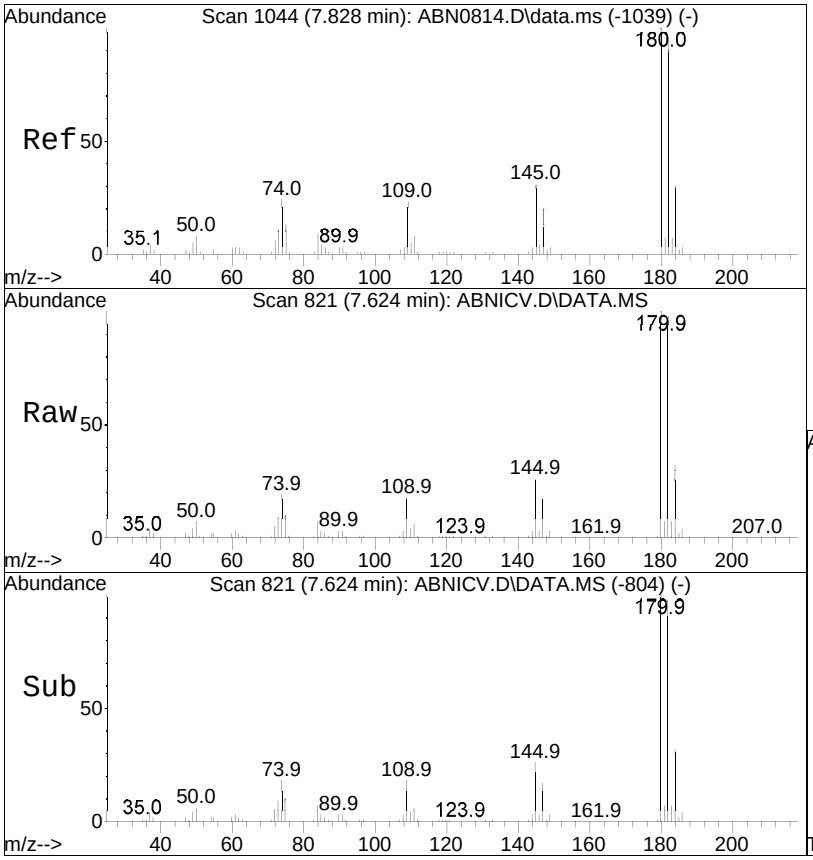


#25
2,4-Dichlorophenol
Concen: 5.47 ug/ml
RT: 7.545 min Scan# 810
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:162 Resp: 150049

Ion	Ratio	Lower	Upper
162	100		
164	65.7	51.0	76.4
98	30.1	32.2	48.2#

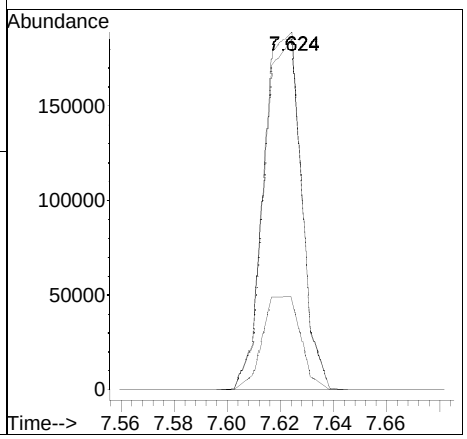


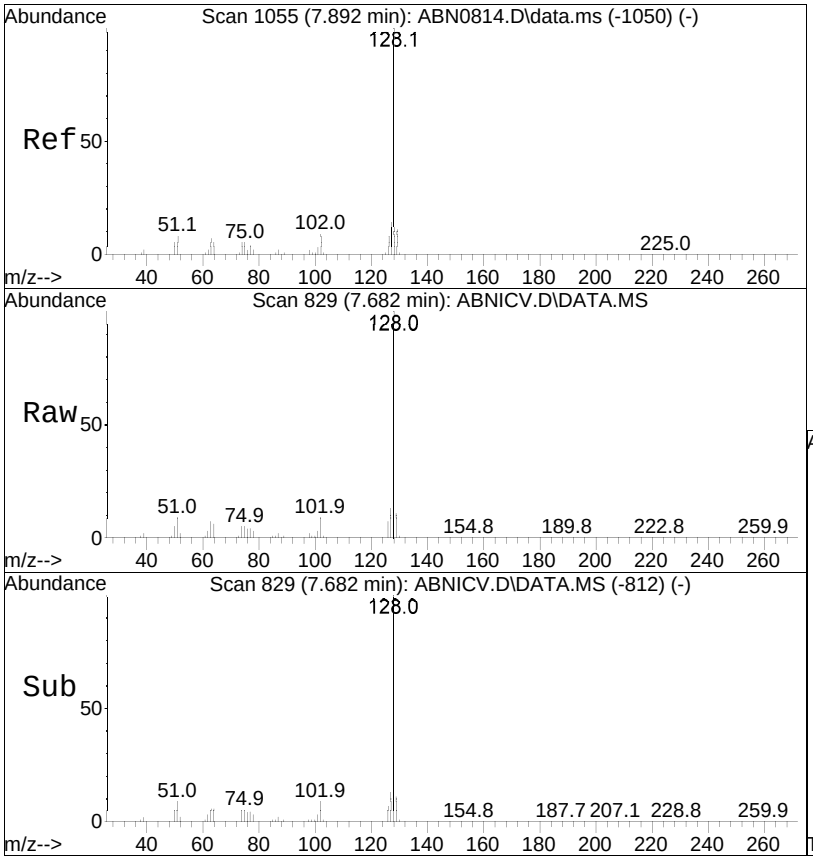


#26
1,2,4-Trichlorobenzene
Concen: 5.20 ug/ml
RT: 7.624 min Scan# 821
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:180 Resp: 183506

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.0	114.0
145	26.6	25.7	38.5

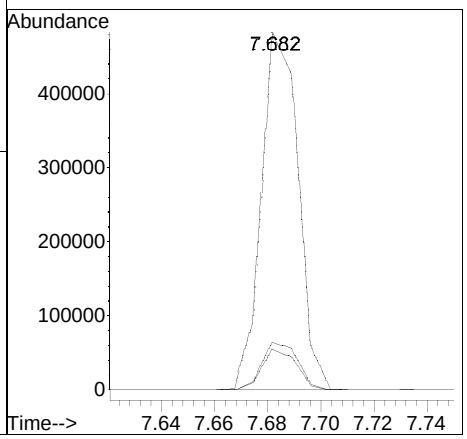


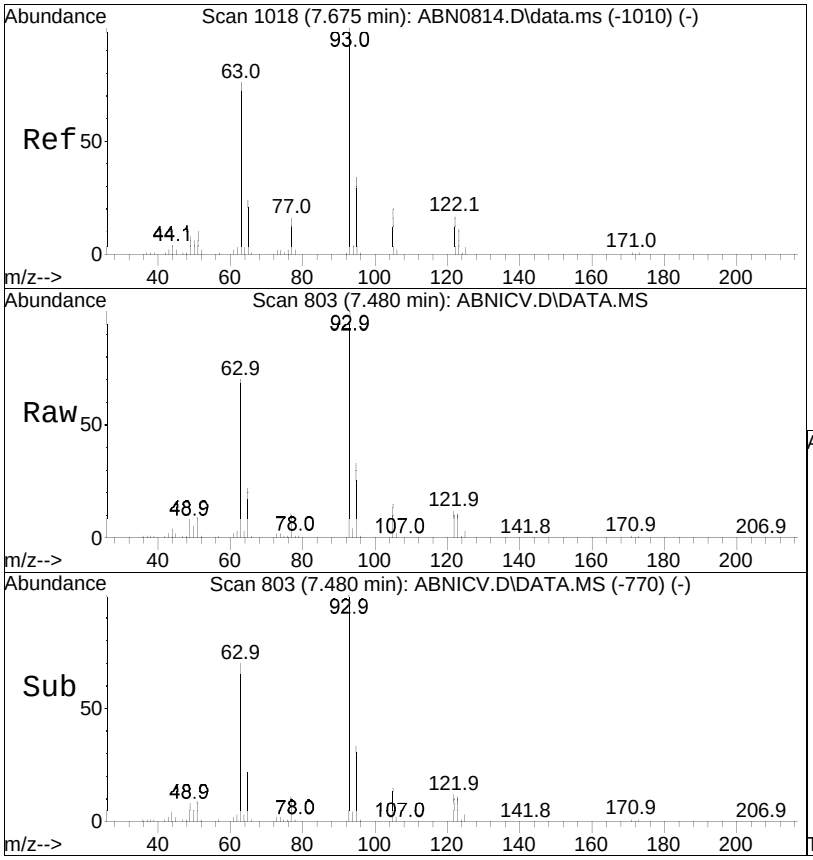


#36
Naphthalene
Concen: 5.24 ug/ml
RT: 7.682 min Scan# 829
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:128 Resp: 459349

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.3	15.5

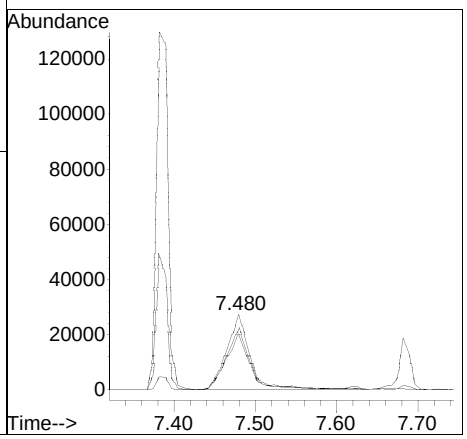


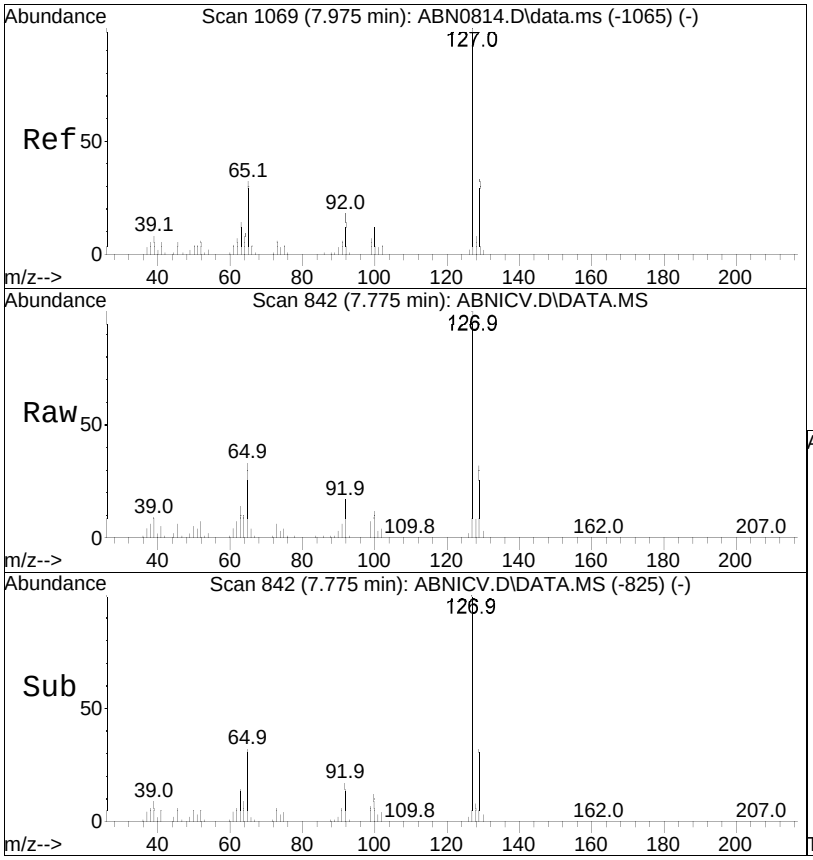


#37
Benzoic Acid
Concen: 3.97 ug/ml
RT: 7.480 min Scan# 803
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:105 Resp: 44800

Ion	Ratio	Lower	Upper
105	100		
122	83.7	59.9	89.9
77	76.4	60.1	90.1

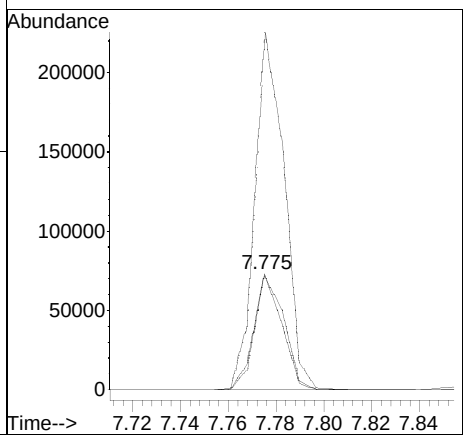


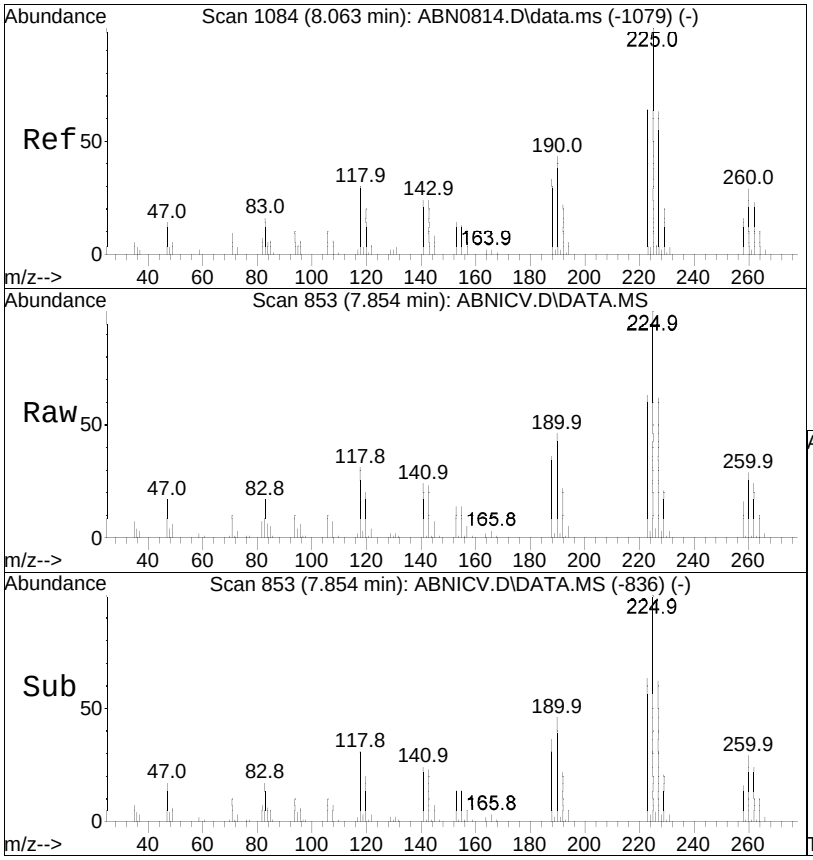


#38
4-Chloroaniline
Concen: 5.34 ug/ml
RT: 7.775 min Scan# 842
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 65 Resp: 59133

Ion	Ratio	Lower	Upper
65	100		
127	323.0	237.6	356.4
129	103.8	76.3	114.5

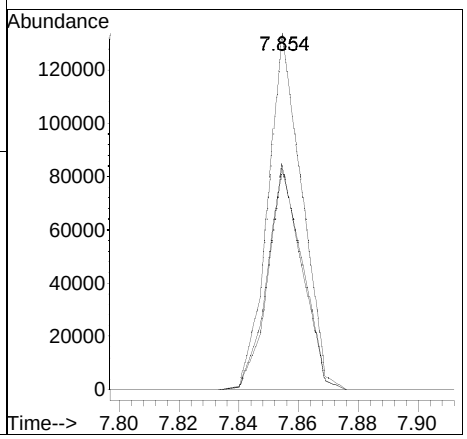


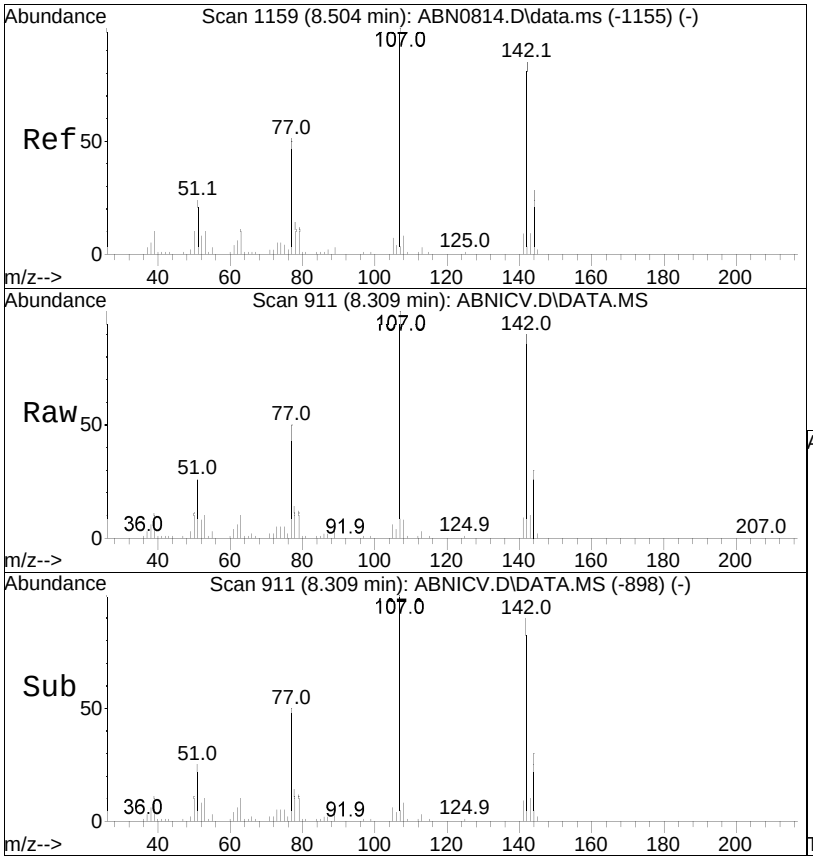


#39
Hexachlorobutadiene
Concen: 5.04 ug/ml
RT: 7.854 min Scan# 853
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:225 Resp: 106066

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.3	75.5
227	63.2	52.2	78.2

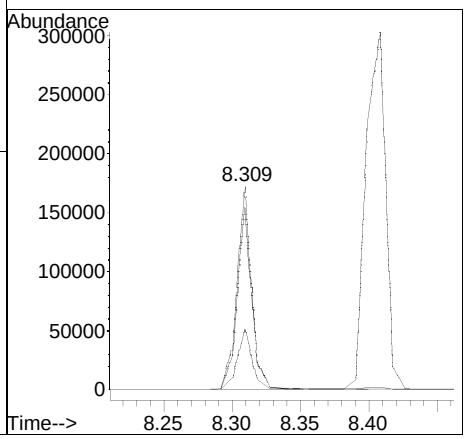


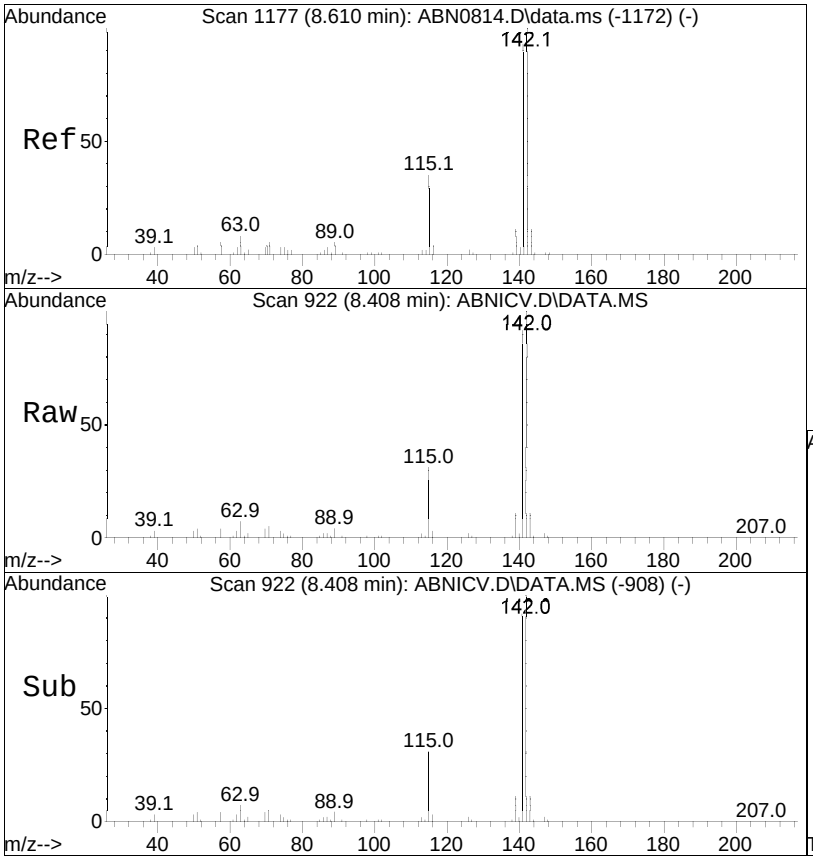


#40
p-Chloro-m-cresol
Concen: 5.51 ug/ml
RT: 8.309 min Scan# 911
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:107 Resp: 128267

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	89.1	66.1	99.1

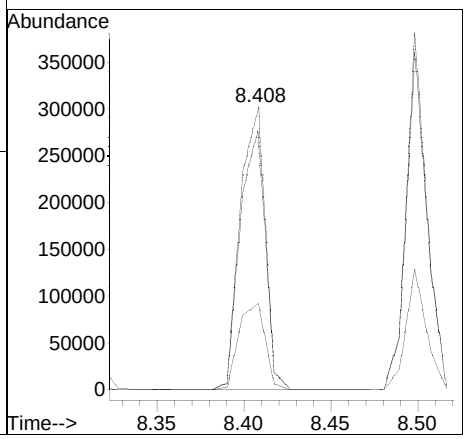


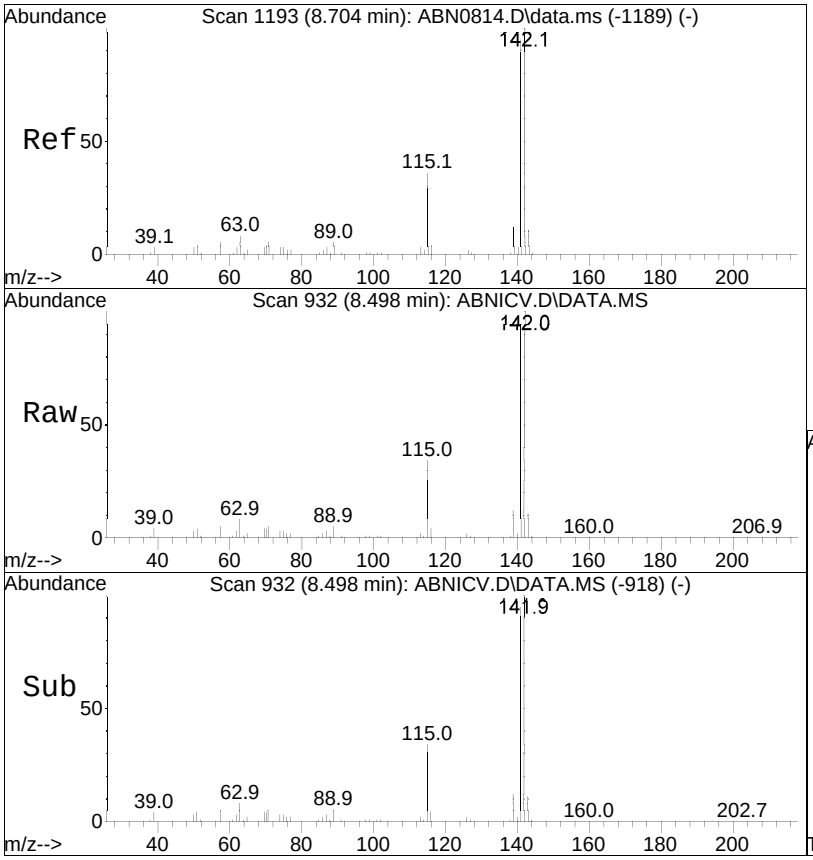


#41
2-Methylnaphthalene
Concen: 5.40 ug/ml
RT: 8.408 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:142 Resp: 302514

Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.6	104.4
115	32.2	26.6	40.0

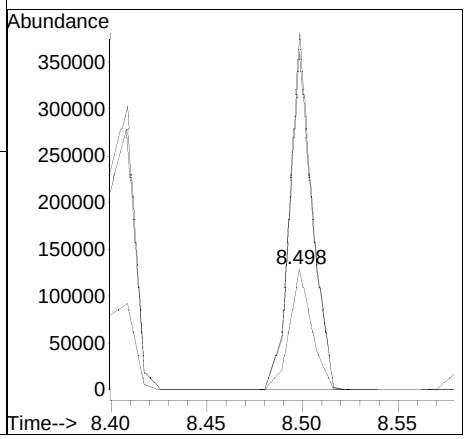


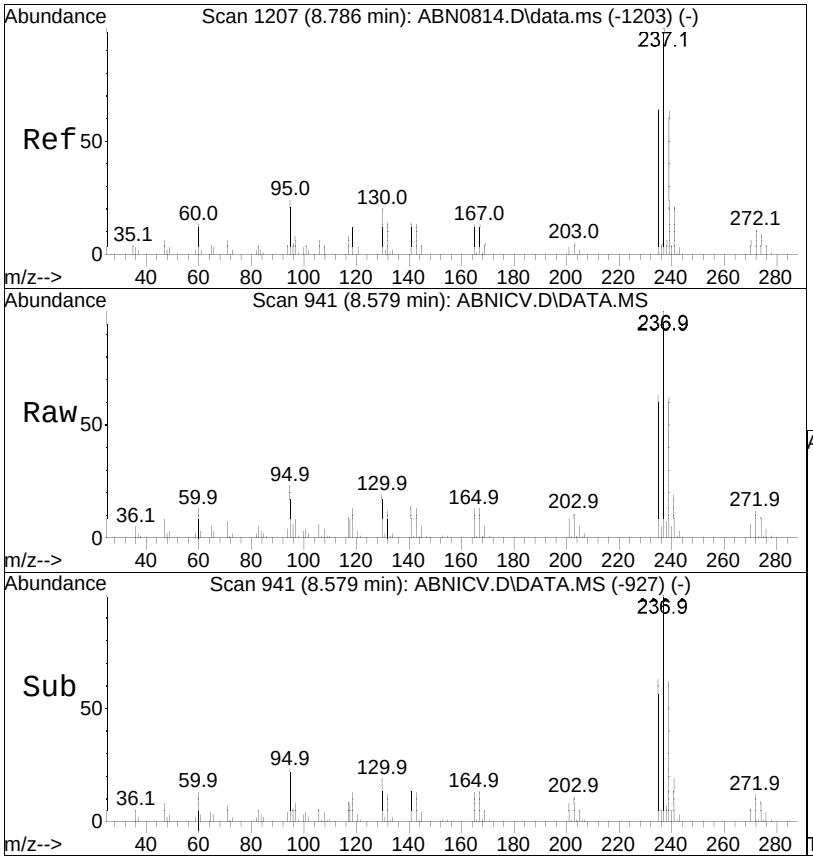


#42
1-Methylnaphthalene
Concen: 5.24 ug/ml
RT: 8.498 min Scan# 932
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:115 Resp: 105323

Ion	Ratio	Lower	Upper
115	100		
141	281.6	207.8	311.6
142	295.9	226.8	340.2

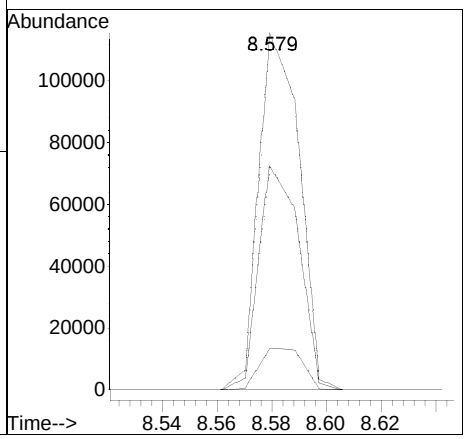


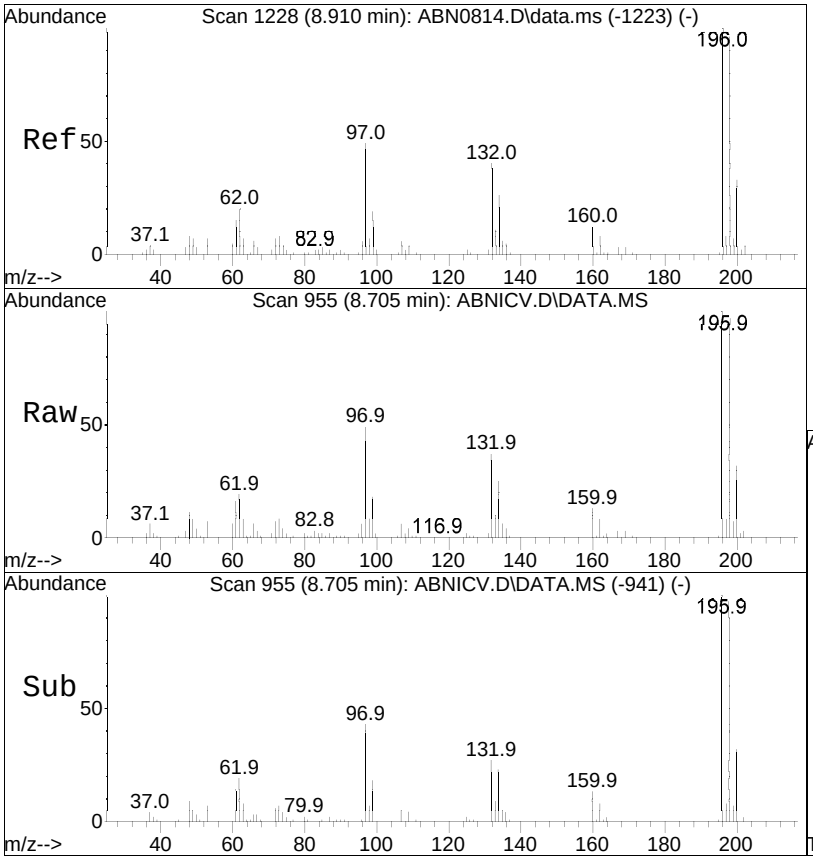


#43
Hexachlorocyclopentadiene
Concen: 5.01 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:237 Resp: 118527

Ion	Ratio	Lower	Upper
237	100		
235	62.5	49.7	74.5
272	12.5	9.8	14.6

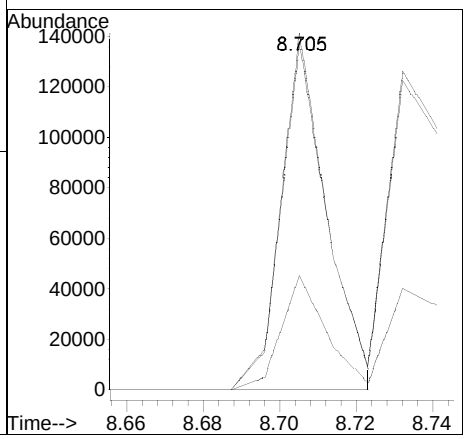


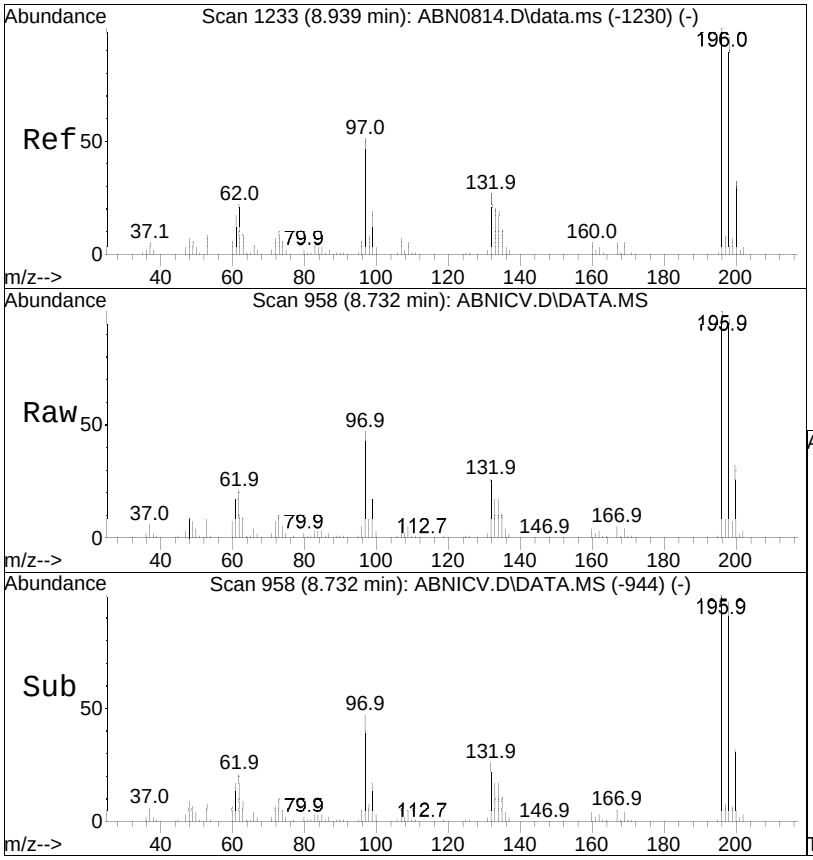


#44
2,4,6-Trichlorophenol
Concen: 5.24 ug/ml
RT: 8.705 min Scan# 955
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:196 Resp: 118096

Ion	Ratio	Lower	Upper
196	100		
198	97.5	77.5	116.3
200	31.9	23.8	35.6

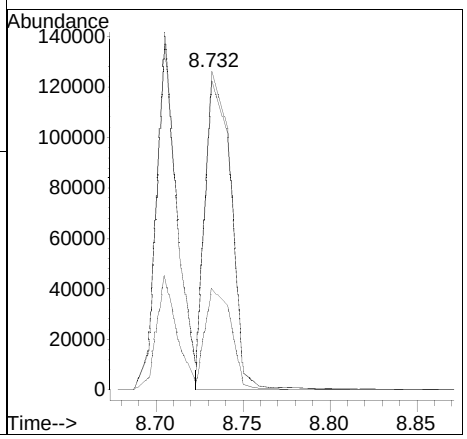


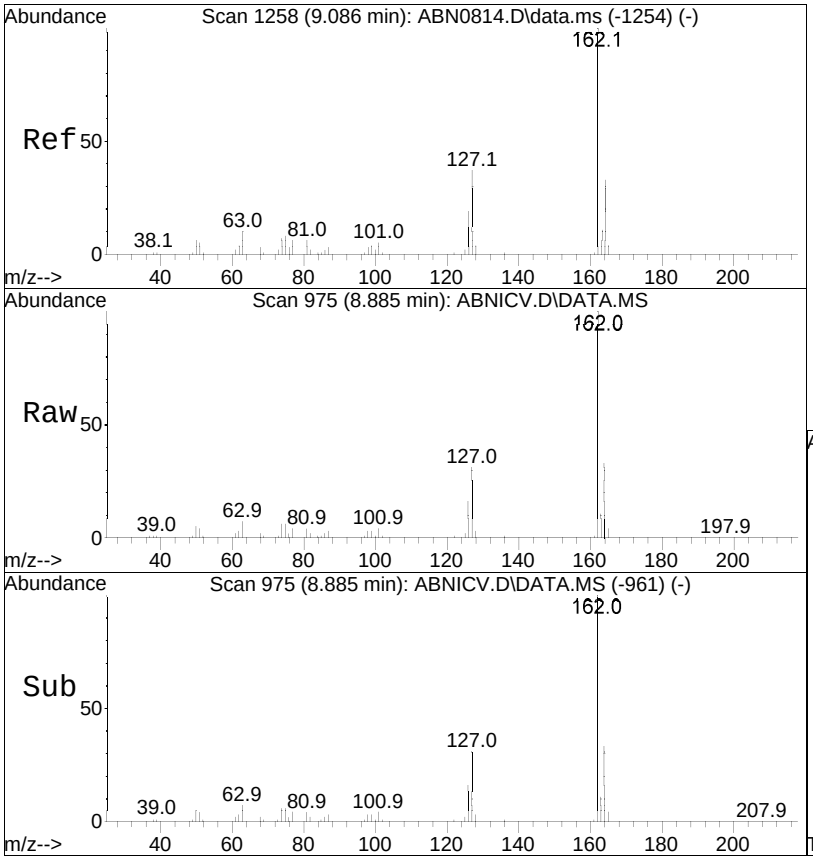


#45
2,4,5-Trichlorophenol
Concen: 5.52 ug/ml
RT: 8.732 min Scan# 958
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:196 Resp: 129554

Ion	Ratio	Lower	Upper
196	100		
200	32.4	25.4	38.0
198	97.3	78.0	117.0

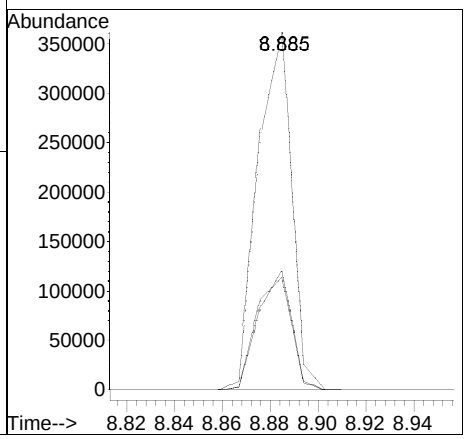


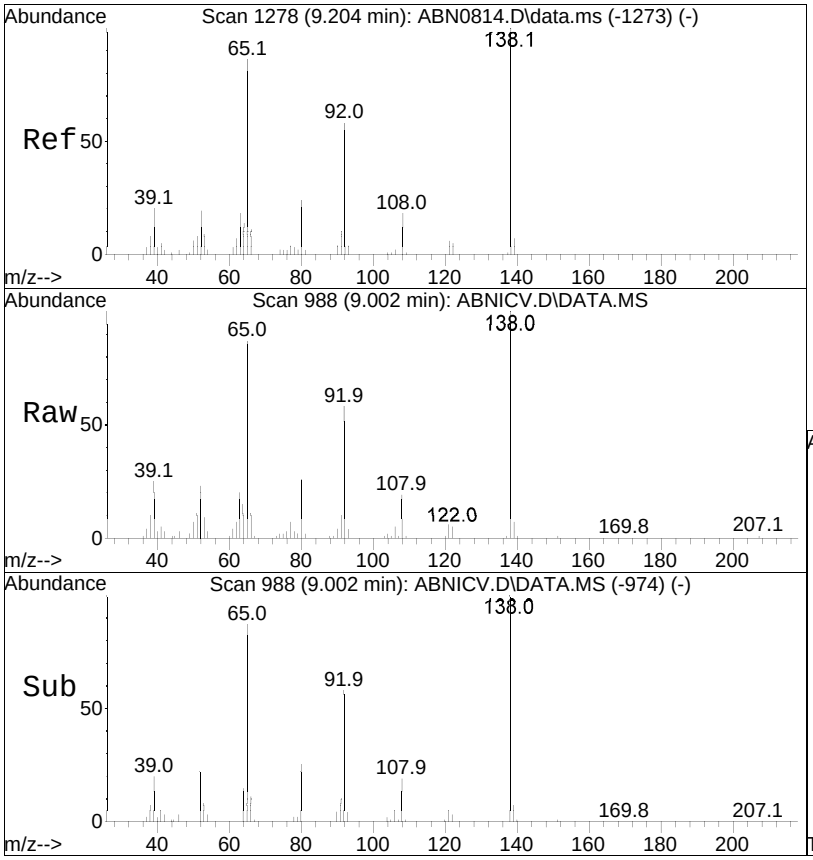


#47
2-Chloronaphthalene
Concen: 5.23 ug/ml
RT: 8.885 min Scan# 975
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:162 Resp: 354215

Ion	Ratio	Lower	Upper
162	100		
127	32.9	32.2	48.4
164	32.8	25.7	38.5

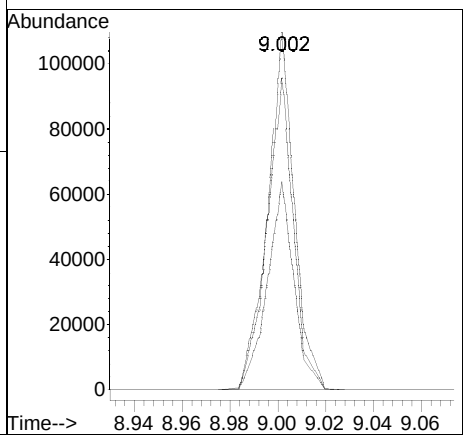


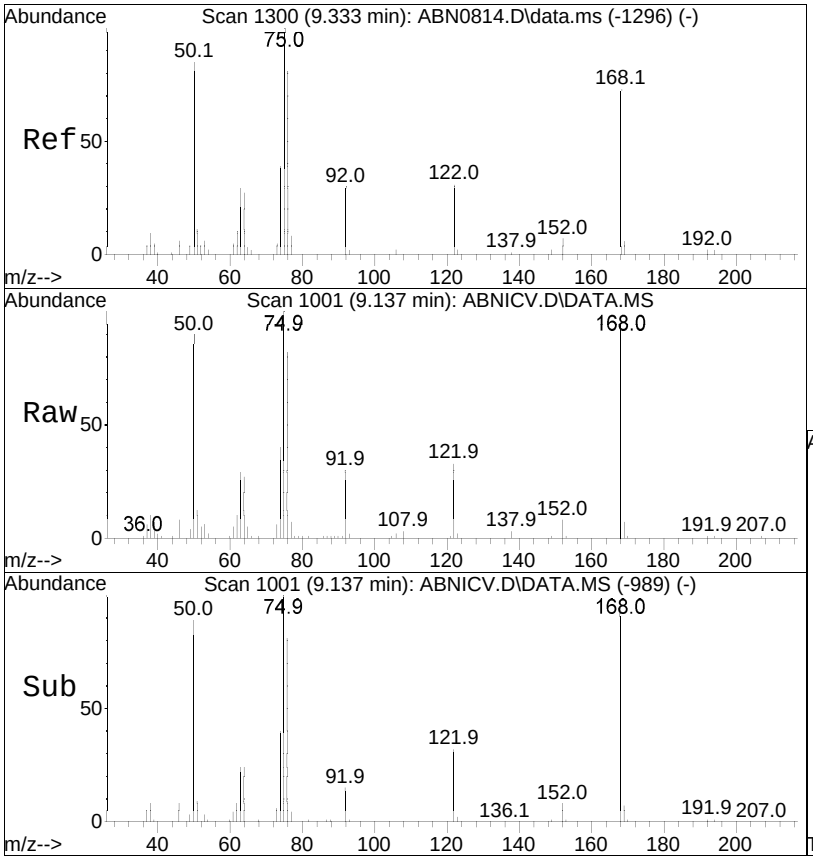


#48
2-Nitroaniline
Concen: 5.00 ug/ml
RT: 9.002 min Scan# 988
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:138 Resp: 82849

Ion	Ratio	Lower	Upper
138	100		
92	58.8	53.5	80.3
65	89.6	86.3	129.5

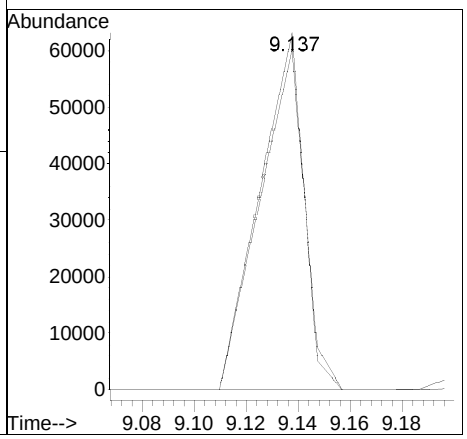


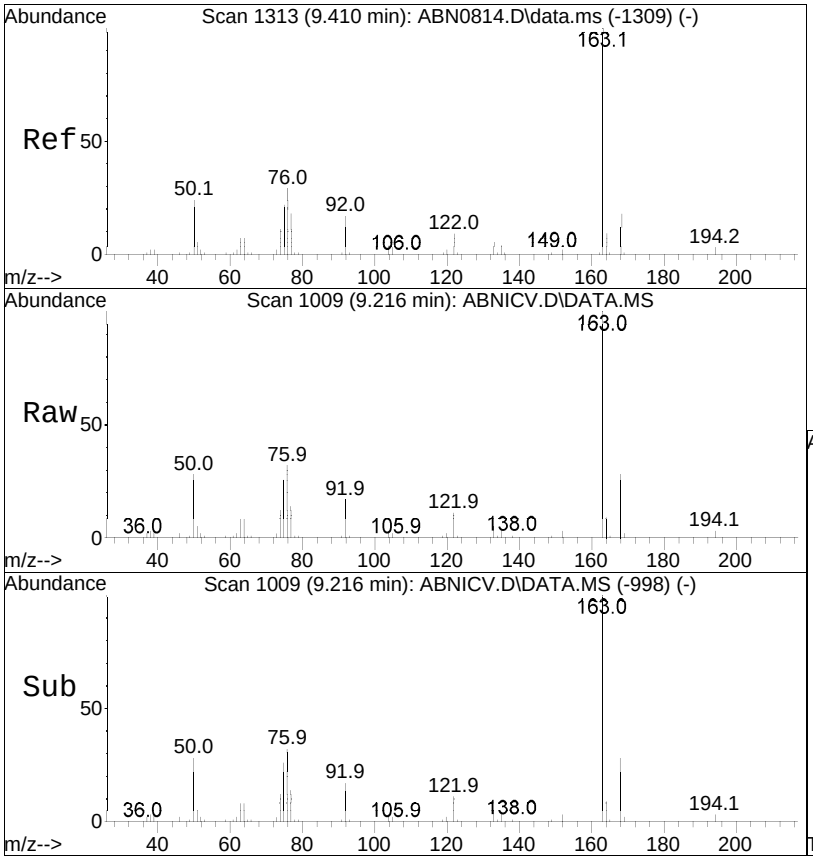


#49
1,4-Dinitrobenzene
Concen: 4.33 ug/ml
RT: 9.137 min Scan# 1001
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:168 Resp: 53600

Ion	Ratio	Lower	Upper
168	100		
75	101.1	121.8	182.8#

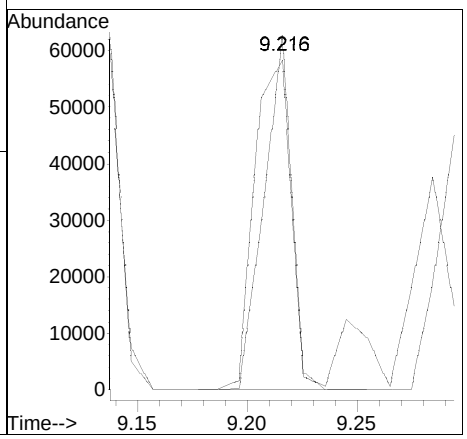


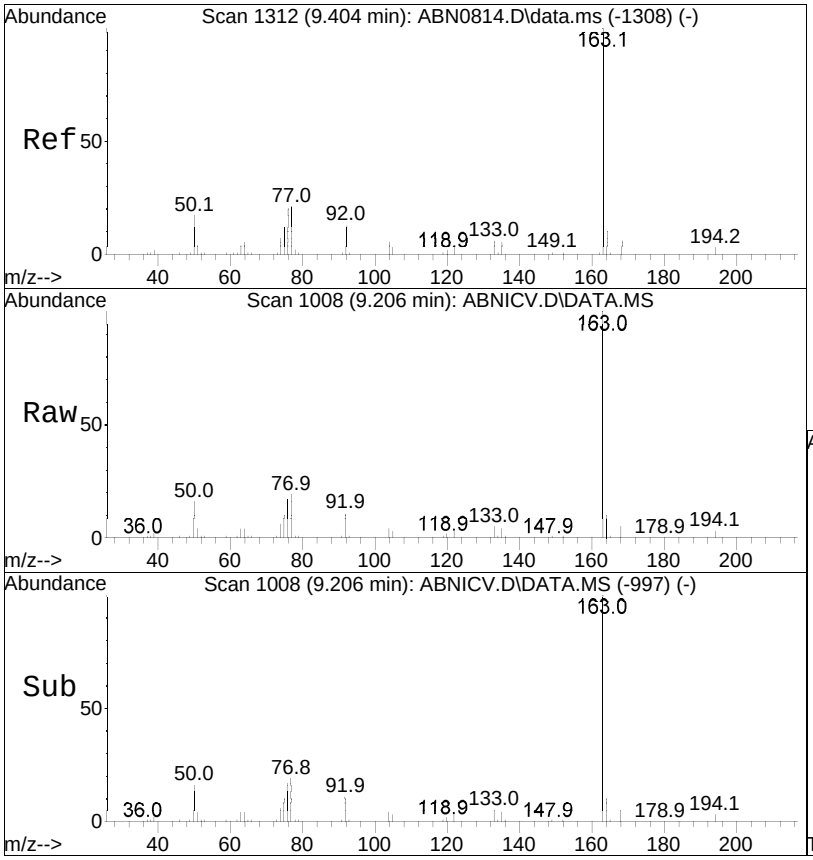


#50
1,3-Dinitrobenzene
Concen: 5.09 ug/ml
RT: 9.216 min Scan# 1009
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:168 Resp: 55351

Ion	Ratio	Lower	Upper
168	100		
75	121.6	22.7	34.1#

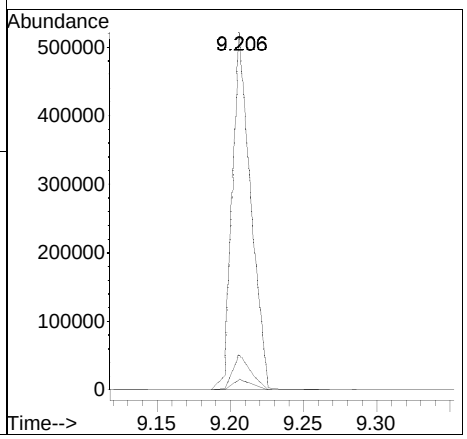


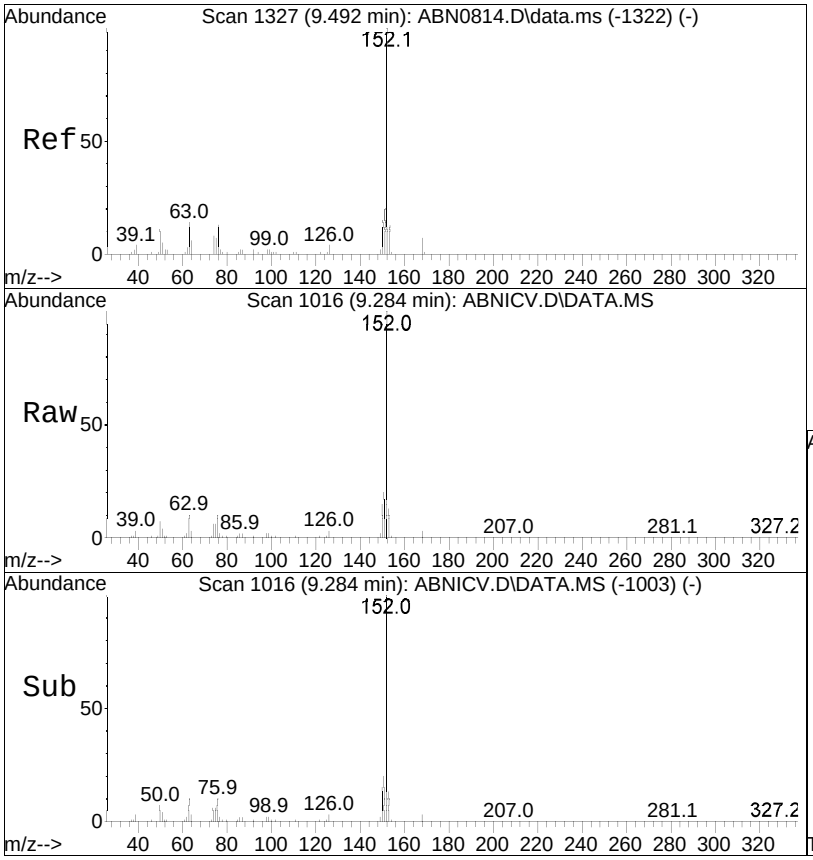


#51
Dimethyl phthalate
Concen: 5.51 ug/ml
RT: 9.206 min Scan# 1008
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:163 Resp: 452285

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.5	5.3#
164	9.8	7.9	11.9

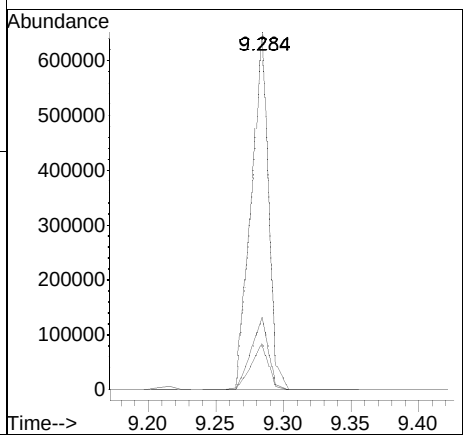


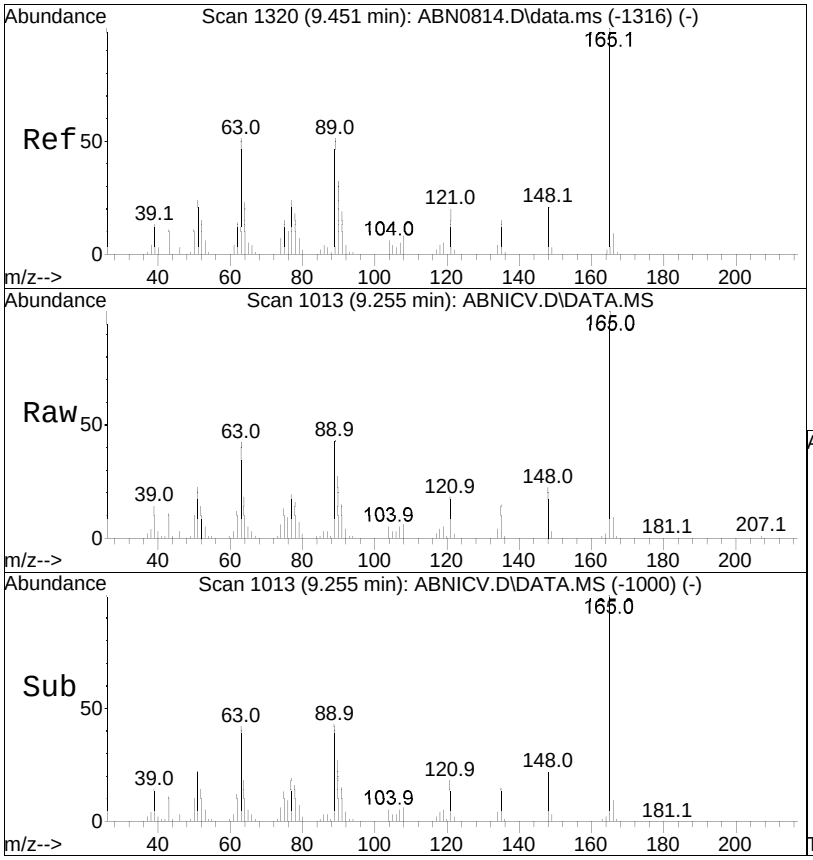


#52
Acenaphthylene
Concen: 5.54 ug/ml
RT: 9.284 min Scan# 1016
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:152 Resp: 572331

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.1	10.5	15.7

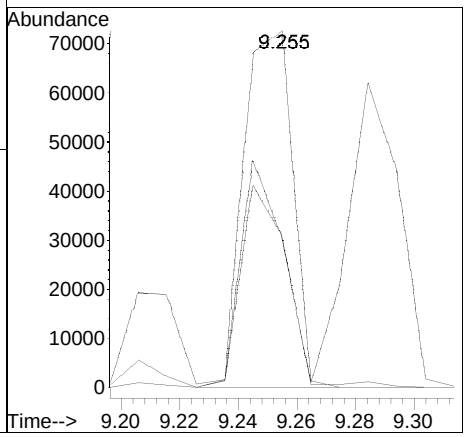


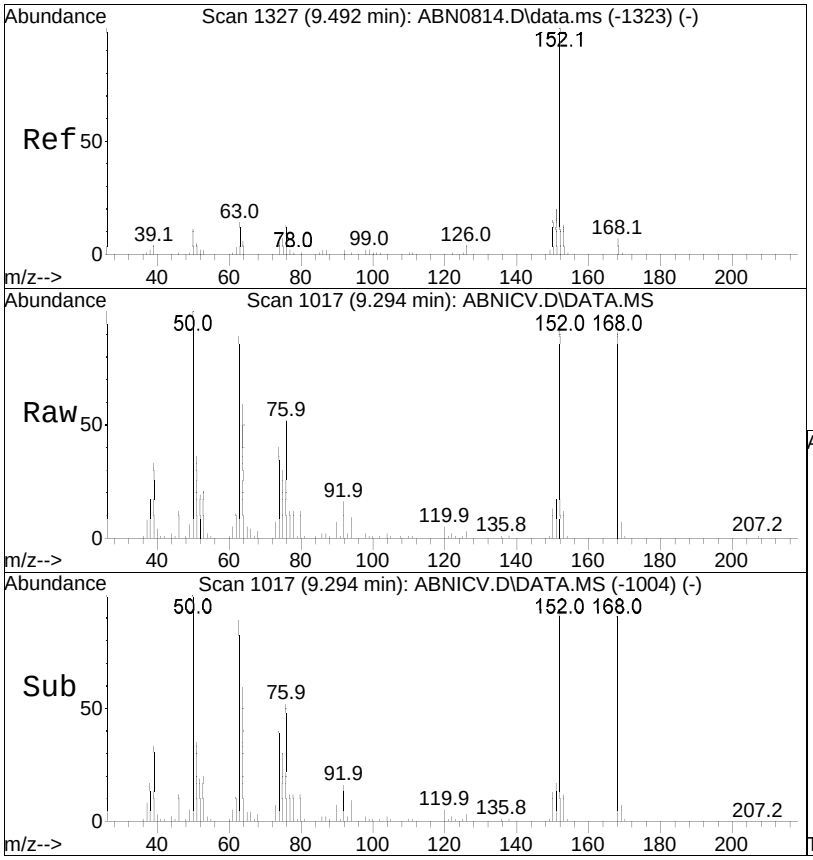


#53
2,6-Dinitrotoluene
Concen: 5.48 ug/ml
RT: 9.255 min Scan# 1013
Delta R.T. 0.010 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:165 Resp: 84273

Ion	Ratio	Lower	Upper
165	100		
89	53.1	54.2	81.2#
63	55.5	64.2	96.2#

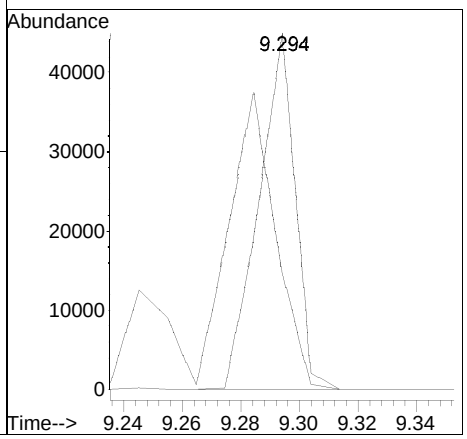


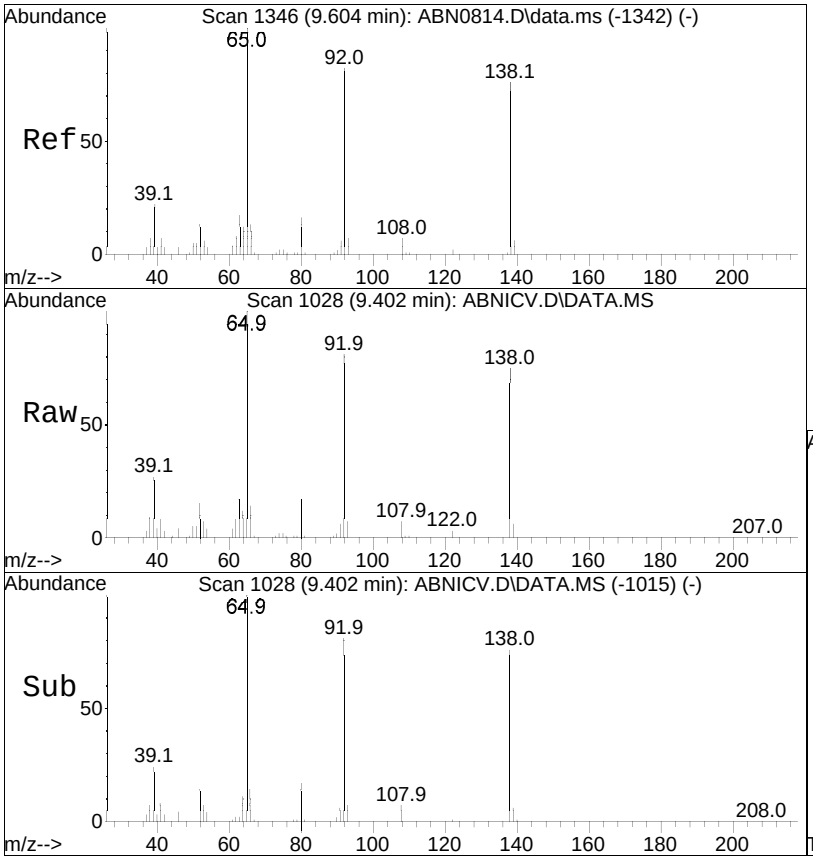


#54
1,2-Dinitrobenzene
Concen: 5.91 ug/ml
RT: 9.294 min Scan# 1017
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:168 Resp: 38652

Ion	Ratio	Lower	Upper
168	100		
75	141.0	30.9	46.3#

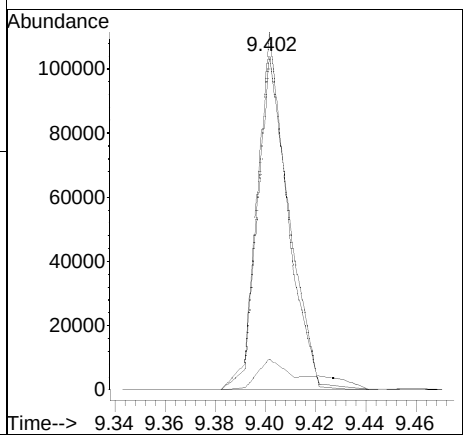


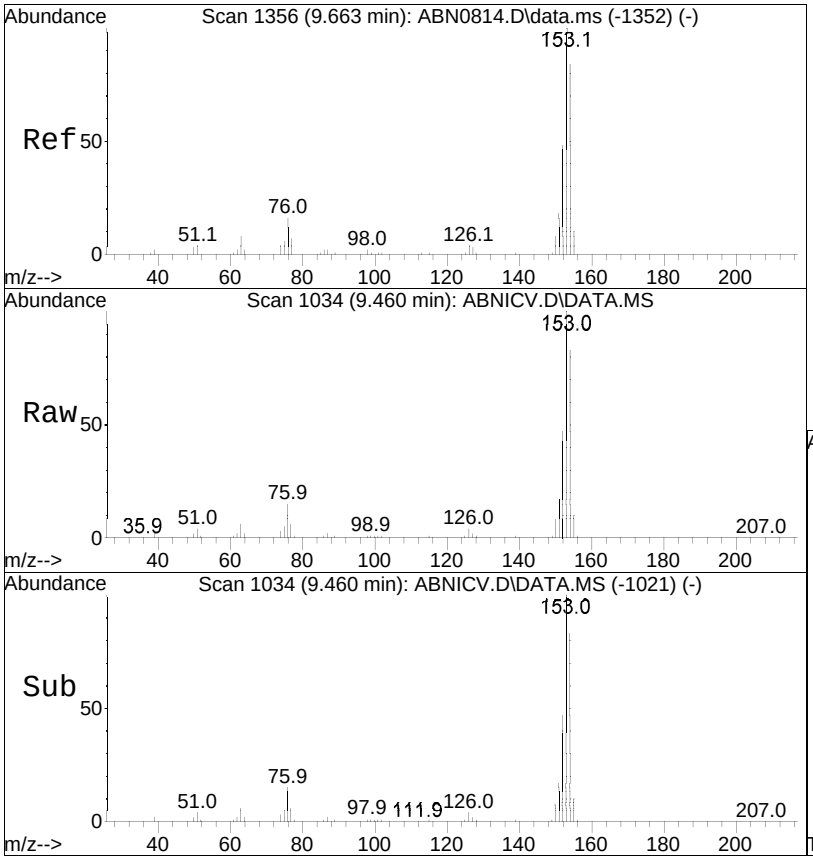


#64
3-Nitroaniline
Concen: 5.95 ug/ml
RT: 9.402 min Scan# 1028
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:138 Resp: 89541

Ion	Ratio	Lower	Upper
138	100		
92	102.9	93.4	140.2
108	14.8	9.5	14.3#

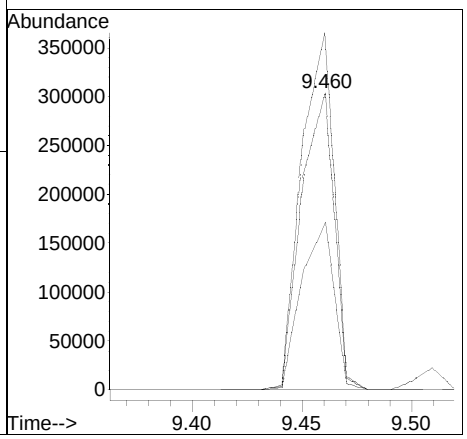


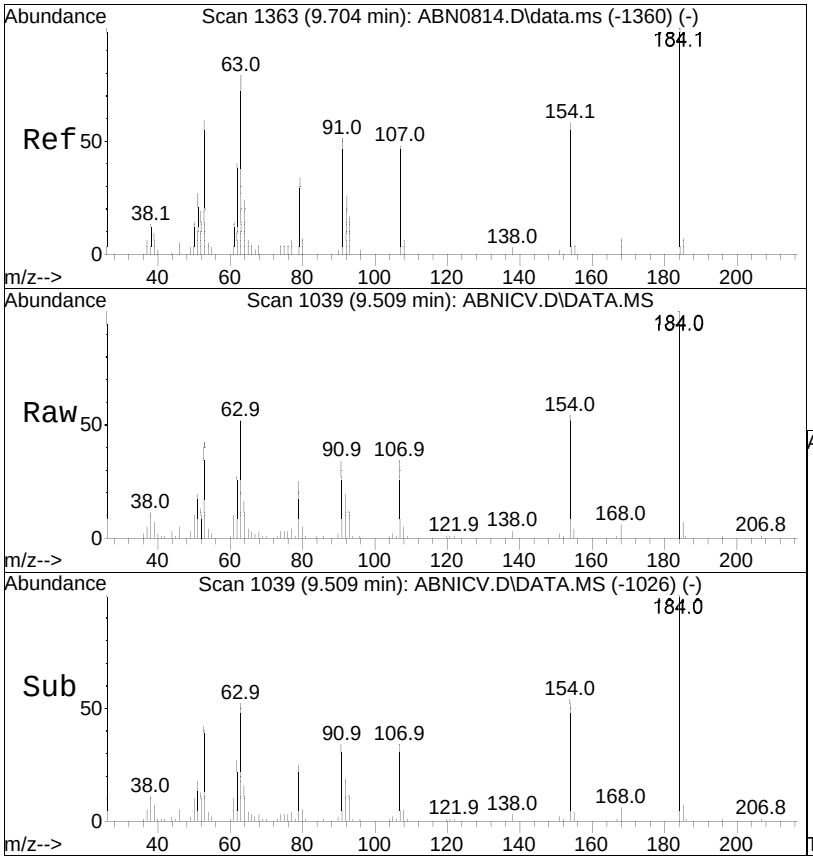


#65
Acenaphthene
Concen: 5.06 ug/ml
RT: 9.460 min Scan# 1034
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:154 Resp: 316905

Ion	Ratio	Lower	Upper
154	100		
153	119.4	85.3	127.9
152	56.4	41.4	62.0

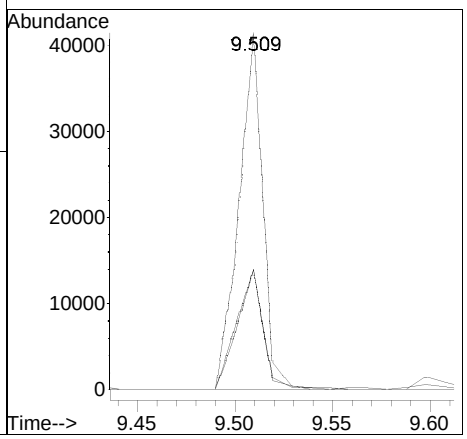


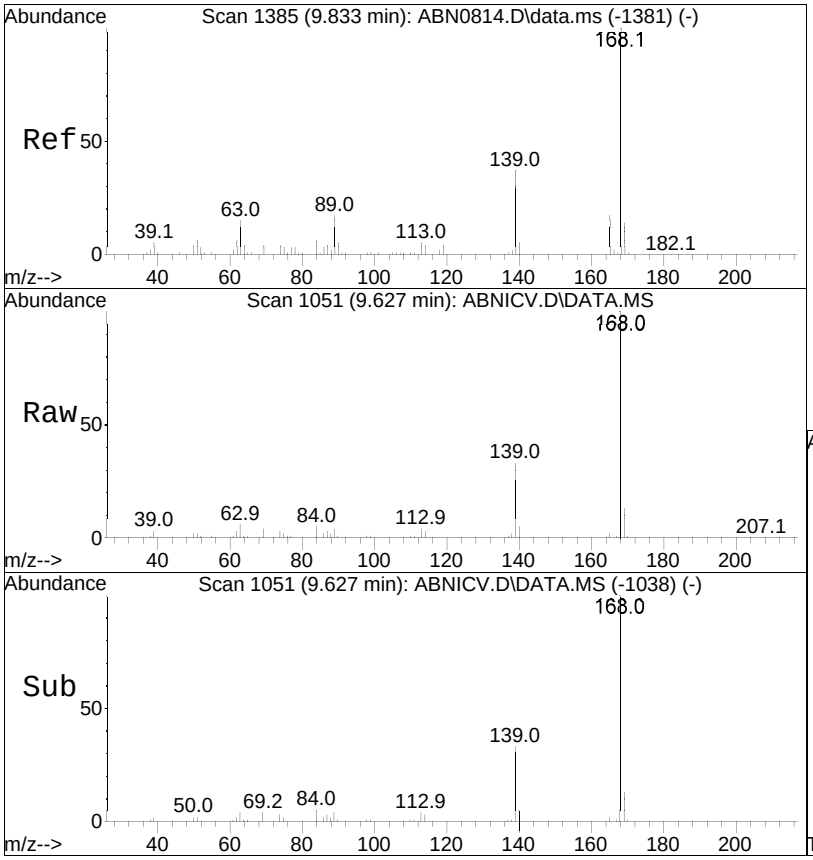


#66
2,4-Dinitrophenol
Concen: 4.38 ug/ml
RT: 9.509 min Scan# 1039
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:184 Resp: 34768

Ion	Ratio	Lower	Upper
184	100		
107	36.0	37.7	56.5#
91	38.0	46.3	69.5#

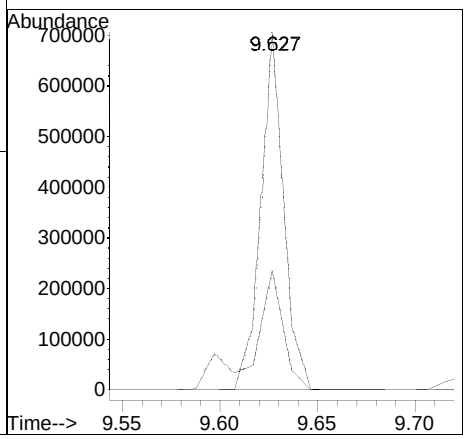


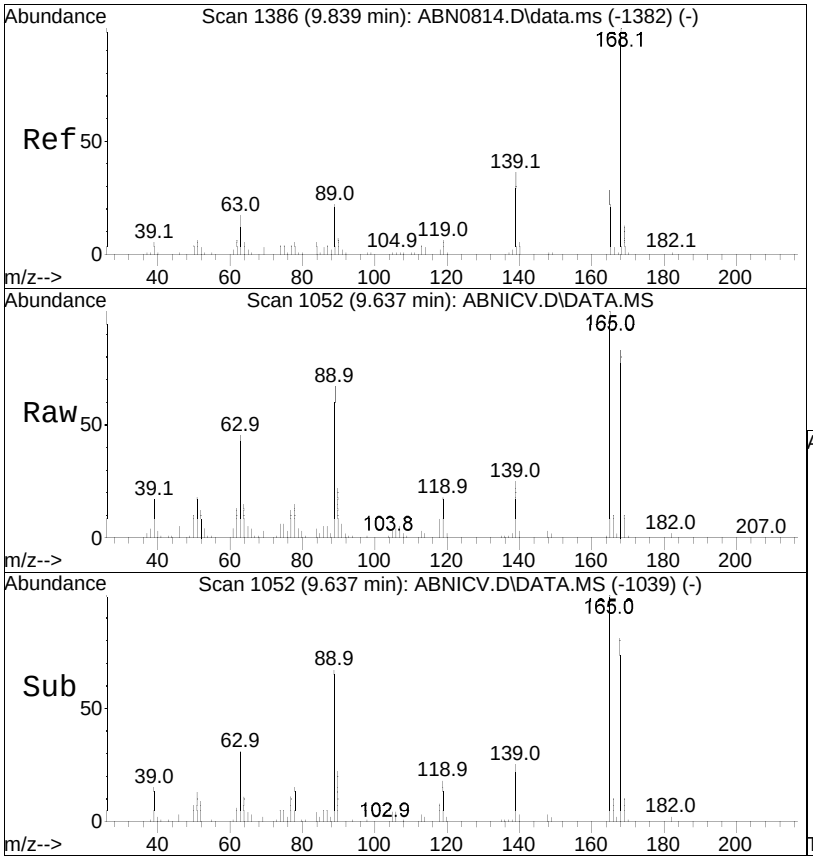


#67
Dibenzofuran
Concen: 5.27 ug/ml
RT: 9.627 min Scan# 1051
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:168 Resp: 563499

Ion	Ratio	Lower	Upper
168	100		
139	45.2	31.4	47.2

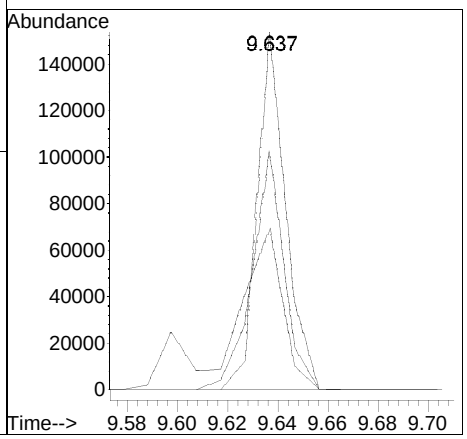


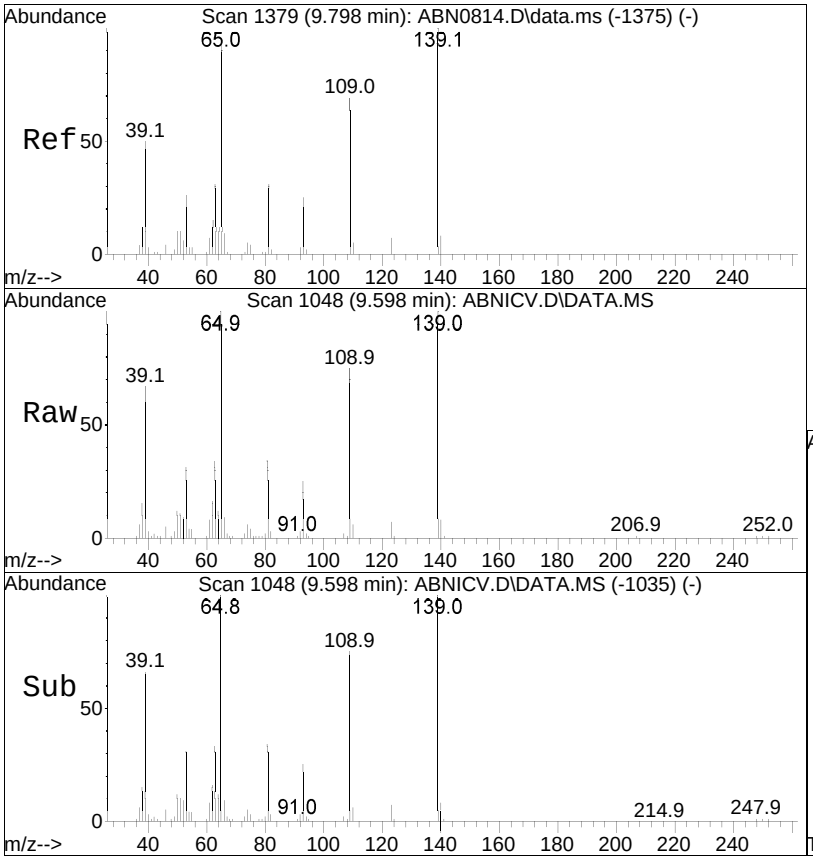


#68
2,4-Dinitrotoluene
Concen: 5.48 ug/ml
RT: 9.637 min Scan# 1052
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:165 Resp: 119843

Ion	Ratio	Lower	Upper
165	100		
89	75.2	72.0	108.0
63	81.1	52.7	79.1#

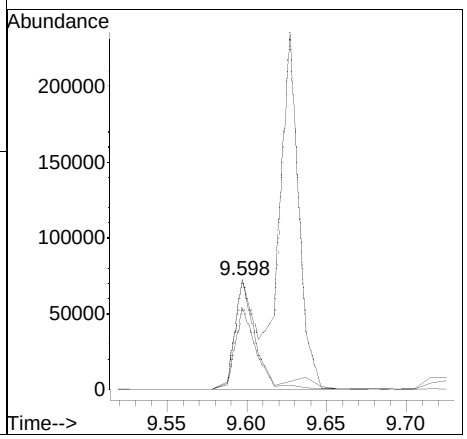


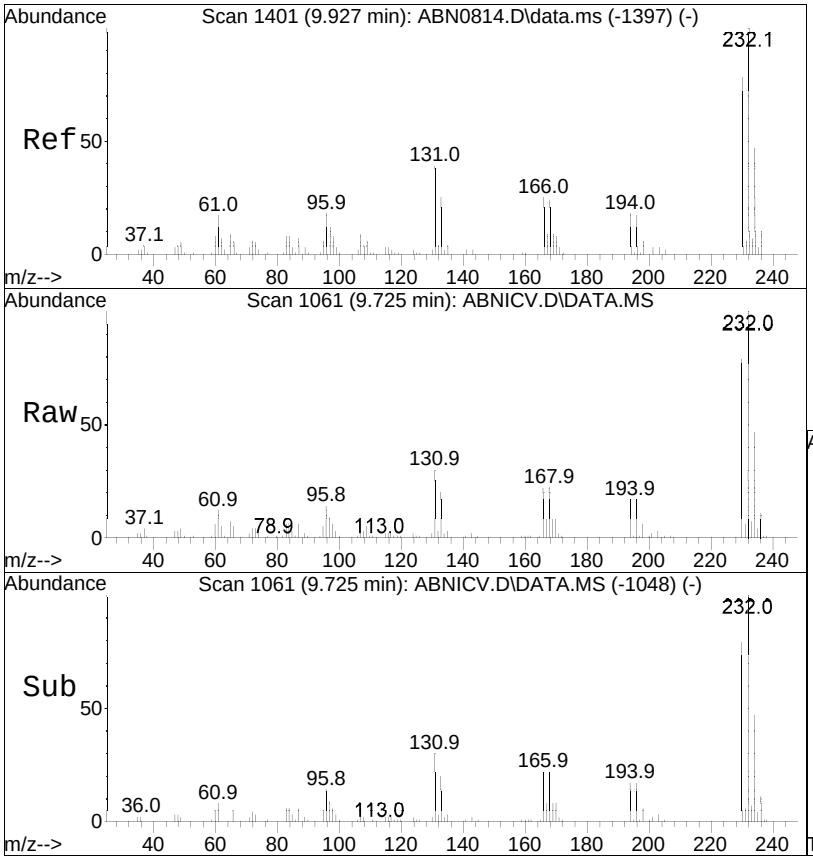


#69
4-Nitrophenol
Concen: 6.05 ug/ml
RT: 9.598 min Scan# 1048
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 65 Resp: 70196

Ion	Ratio	Lower	Upper
65	100		
109	71.6	47.4	71.2#
139	362.6	76.6	115.0#

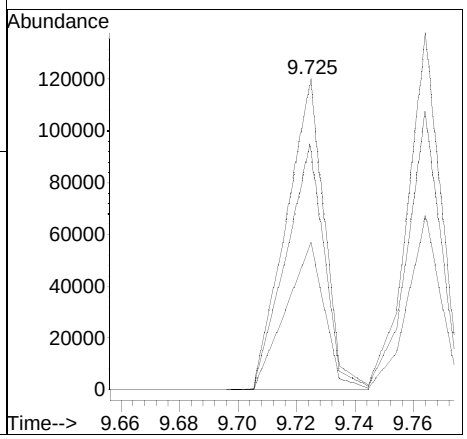


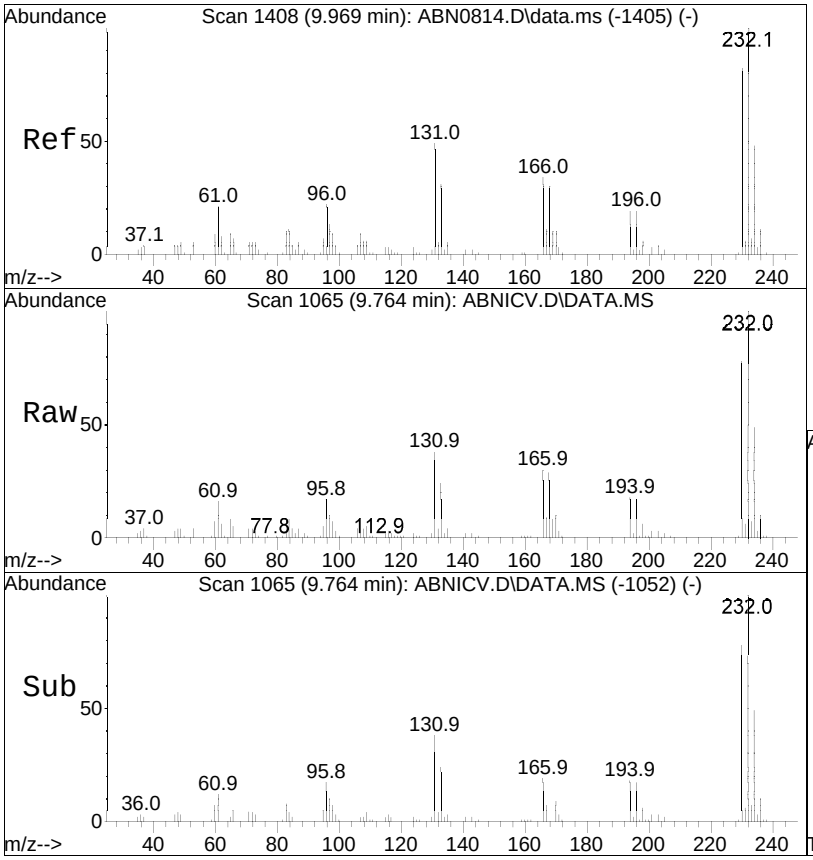


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.75 ug/ml
RT: 9.725 min Scan# 1061
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:232 Resp: 109922

Ion	Ratio	Lower	Upper
232	100		
230	79.6	64.2	96.4
234	47.8	38.1	57.1

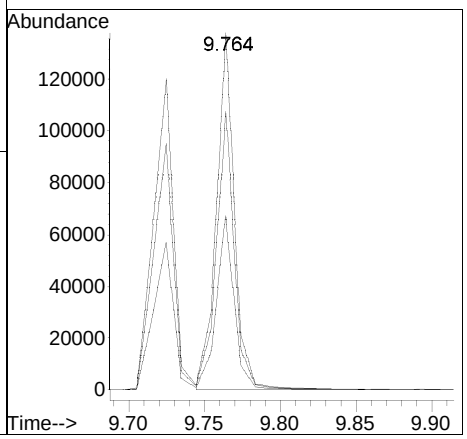


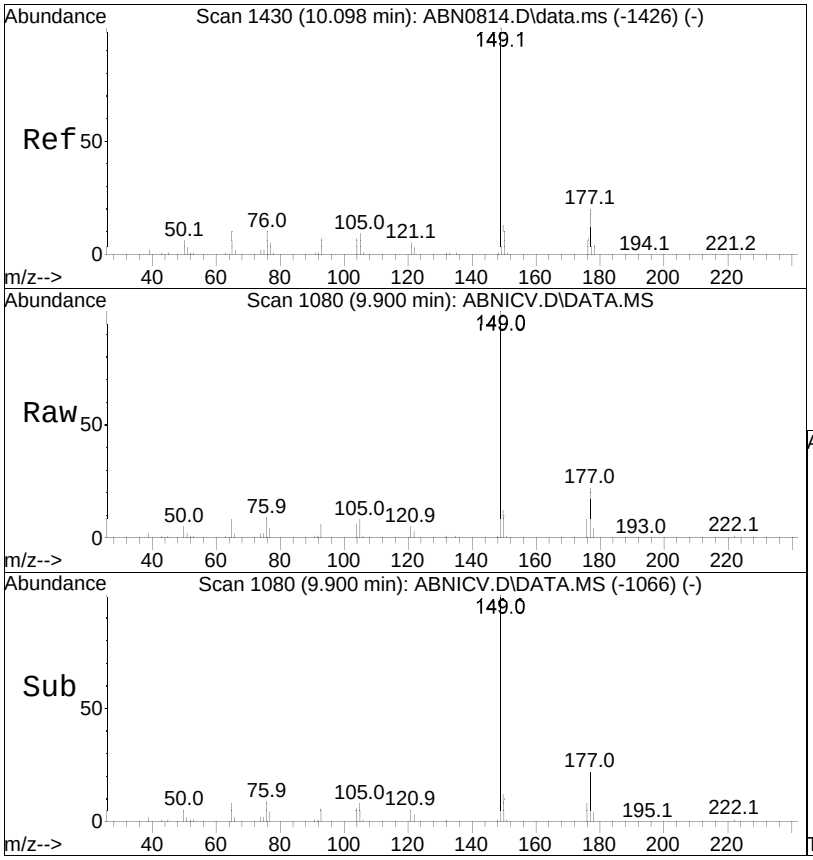


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.80 ug/ml
RT: 9.764 min Scan# 1065
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:232 Resp: 119354

Ion	Ratio	Lower	Upper
232	100		
230	80.3	61.8	92.8
234	48.9	36.2	54.2

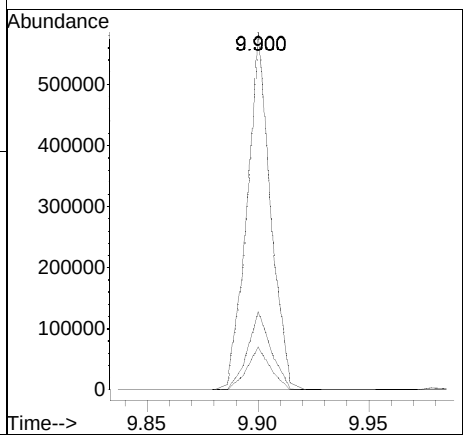


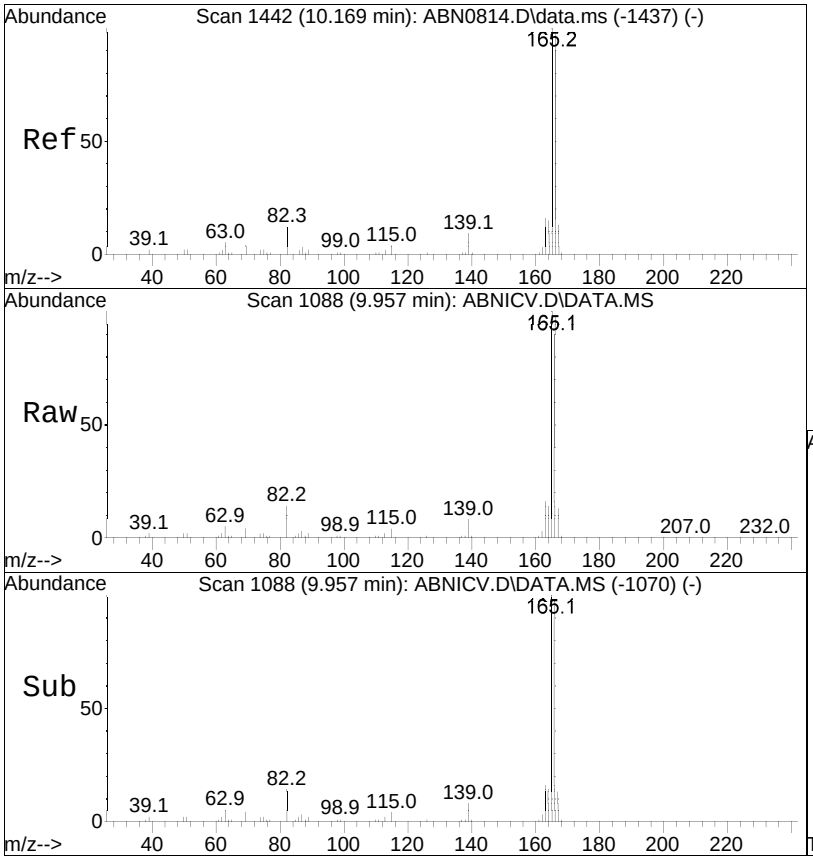


#72
Diethyl phthalate
Concen: 5.52 ug/ml
RT: 9.900 min Scan# 1080
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:149 Resp: 426091

Ion	Ratio	Lower	Upper
149	100		
177	22.0	16.1	24.1
150	12.1	9.4	14.2

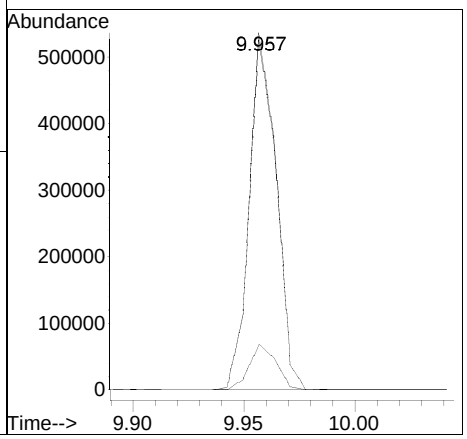


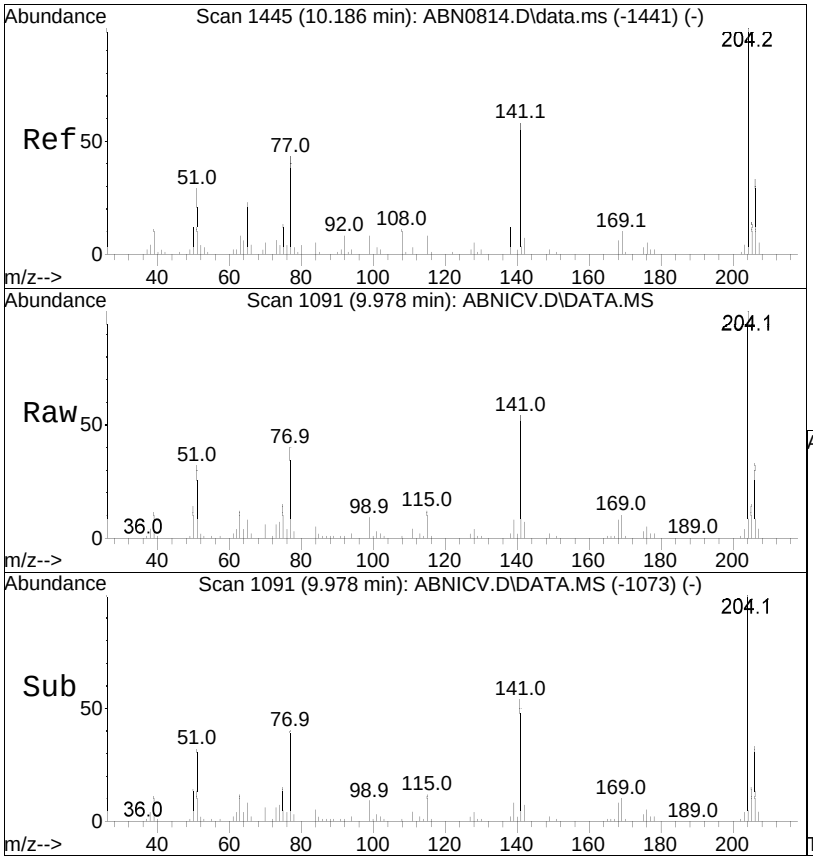


#73
Fluorene
Concen: 5.40 ug/ml
RT: 9.957 min Scan# 1088
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:166 Resp: 446877

Ion	Ratio	Lower	Upper
166	100		
165	101.8	76.2	114.2
167	13.2	10.6	15.8

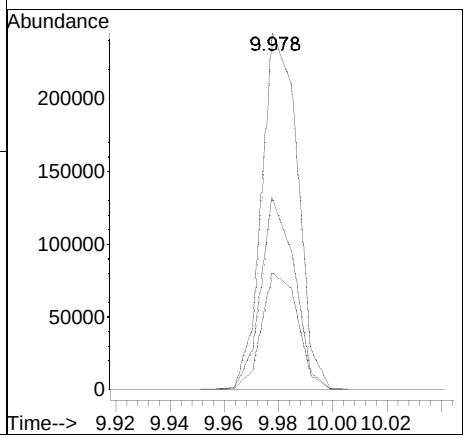


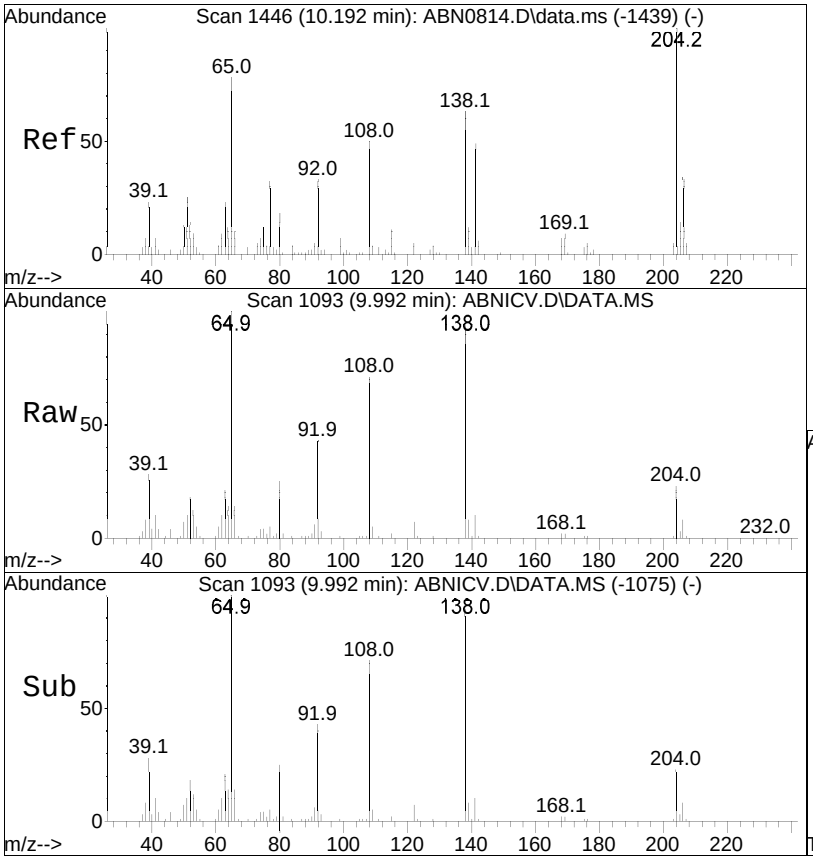


#74
4-Chlorophenyl phenyl ether
Concen: 5.26 ug/ml
RT: 9.978 min Scan# 1091
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:204 Resp: 223528

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	50.7	53.6	80.4#

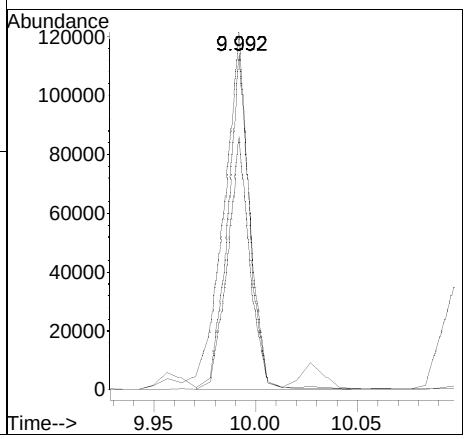


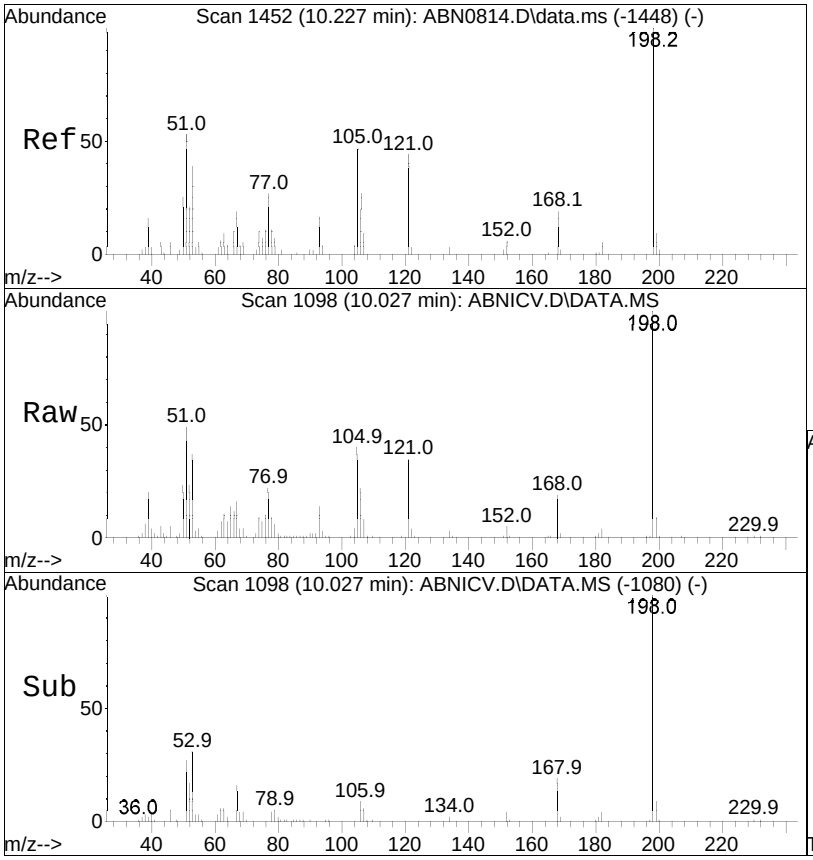


#75
4-Nitroaniline
Concen: 6.03 ug/ml
RT: 9.992 min Scan# 1093
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:138 Resp: 85975

Ion	Ratio	Lower	Upper
138	100		
108	76.1	52.1	78.1
65	124.5	115.0	172.6

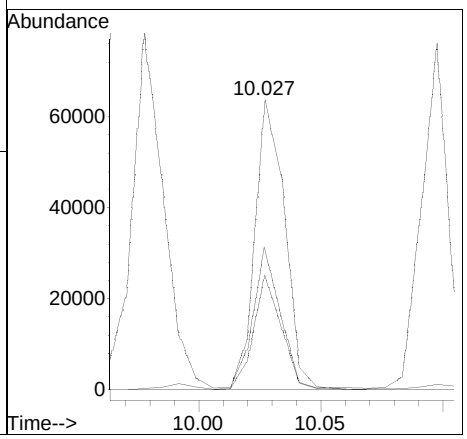


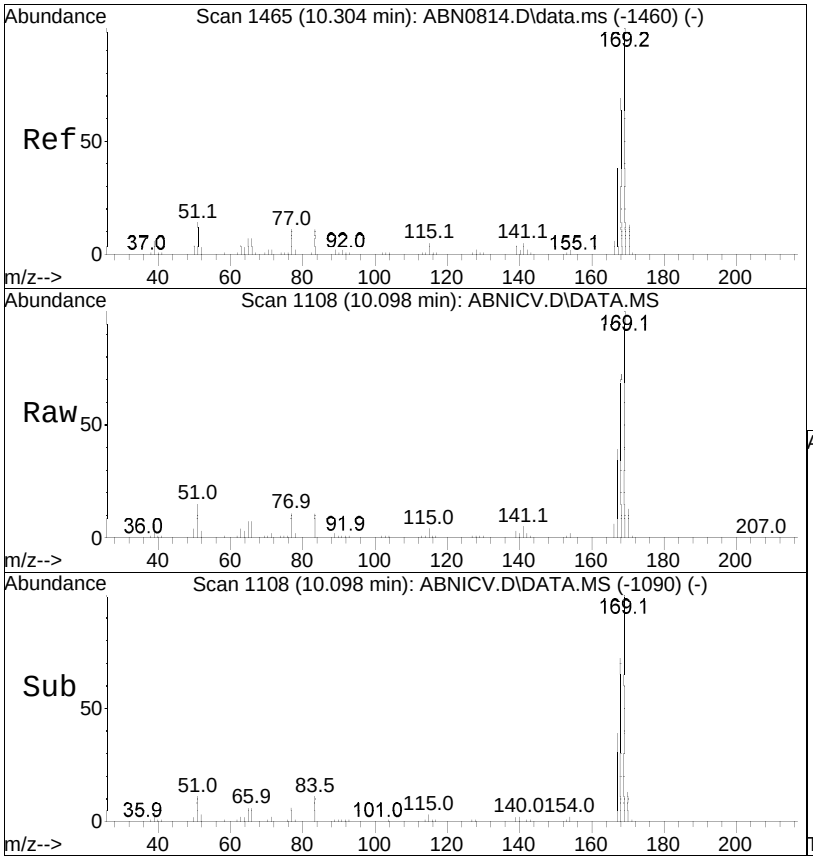


#76
4,6-Dinitro-o-cresol
Concen: 4.30 ug/ml
RT: 10.027 min Scan# 1098
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:198 Resp: 54145

Ion	Ratio	Lower	Upper
198	100		
51	44.2	76.0	114.0#
105	36.6	45.6	68.4#

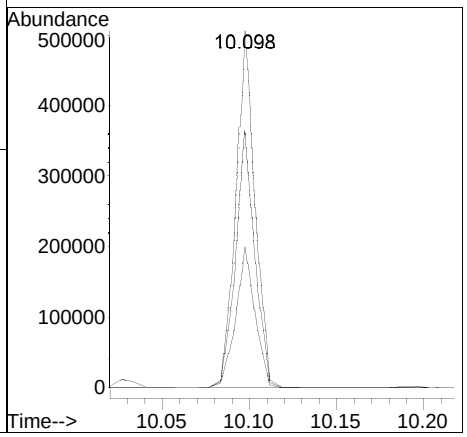


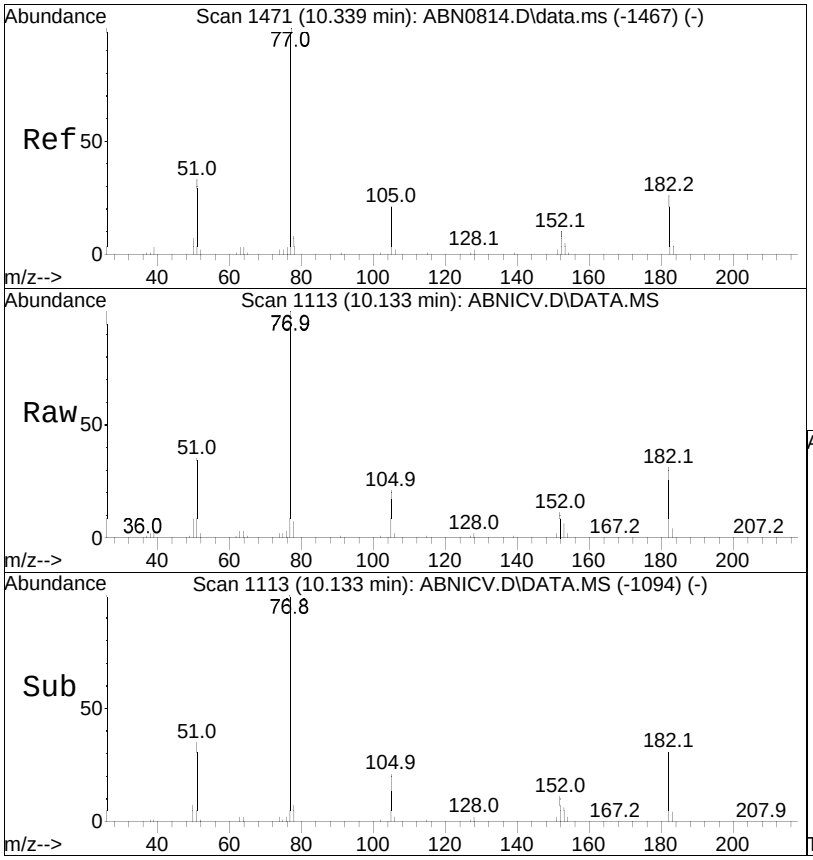


#77
NDPA/DPA
Concen: 5.54 ug/ml
RT: 10.098 min Scan# 1108
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:169 Resp: 385140

Ion	Ratio	Lower	Upper
169	100		
168	72.5	54.0	81.0
167	40.2	28.6	42.8

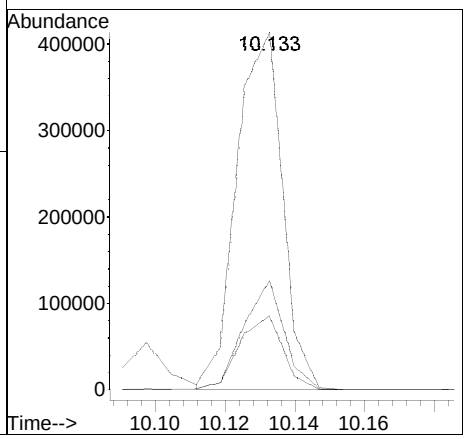


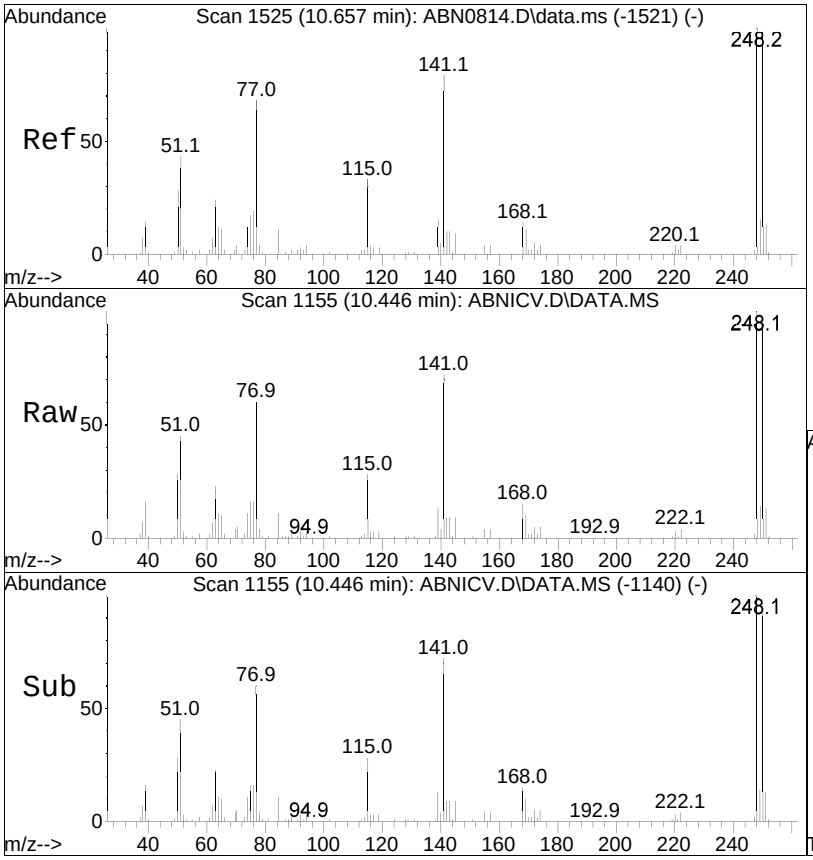


#78
Azobenzene
Concen: 5.69 ug/ml
RT: 10.133 min Scan# 1113
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion: 77 Resp: 373441

Ion	Ratio	Lower	Upper
77	100		
182	27.7	17.4	26.2#
105	20.3	15.4	23.2

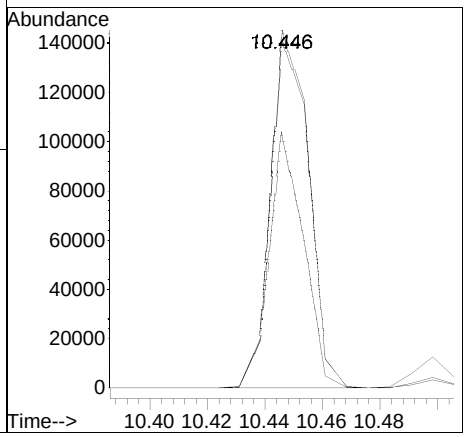


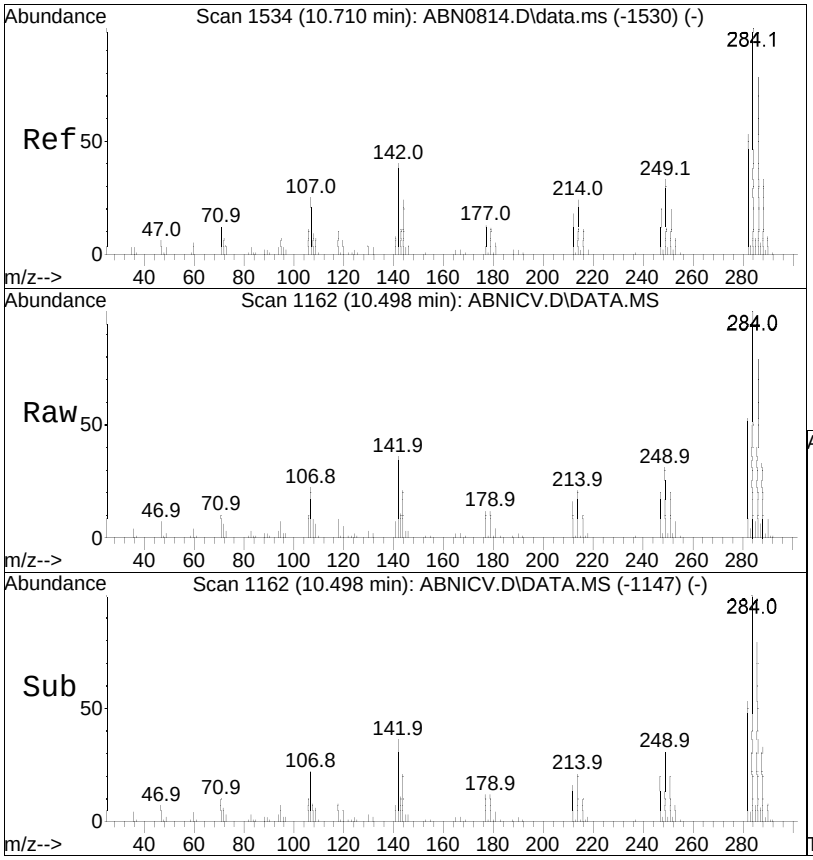


#80
4-Bromophenyl phenyl ether
Concen: 5.19 ug/ml
RT: 10.446 min Scan# 1155
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:248 Resp: 132158

Ion	Ratio	Lower	Upper
248	100		
141	65.0	76.6	114.8#
250	97.9	77.3	115.9

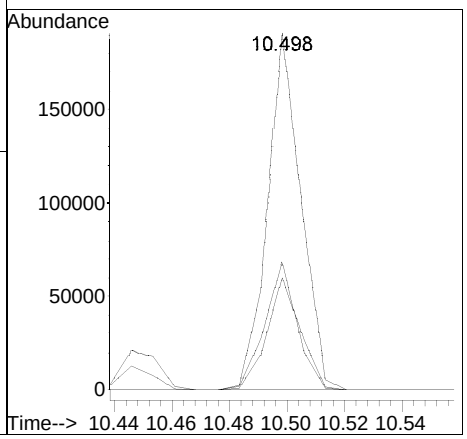


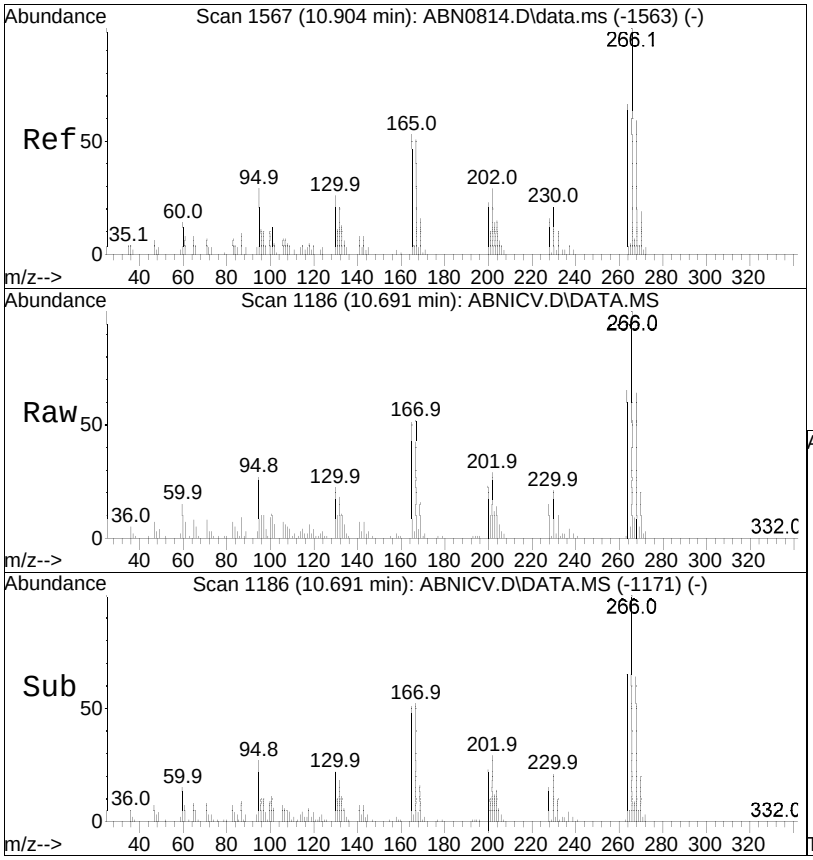


#81
Hexachlorobenzene
Concen: 5.15 ug/ml
RT: 10.498 min Scan# 1162
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:284 Resp: 153121

Ion	Ratio	Lower	Upper
284	100		
142	34.8	41.9	62.9#
249	31.6	24.1	36.1

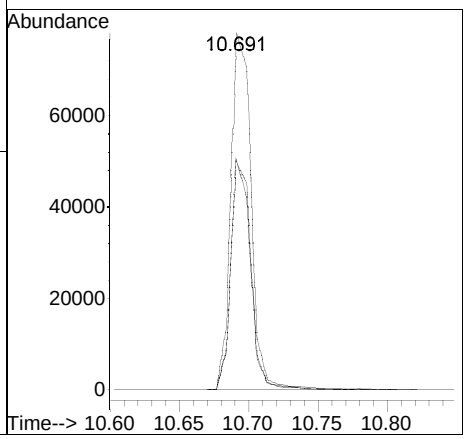


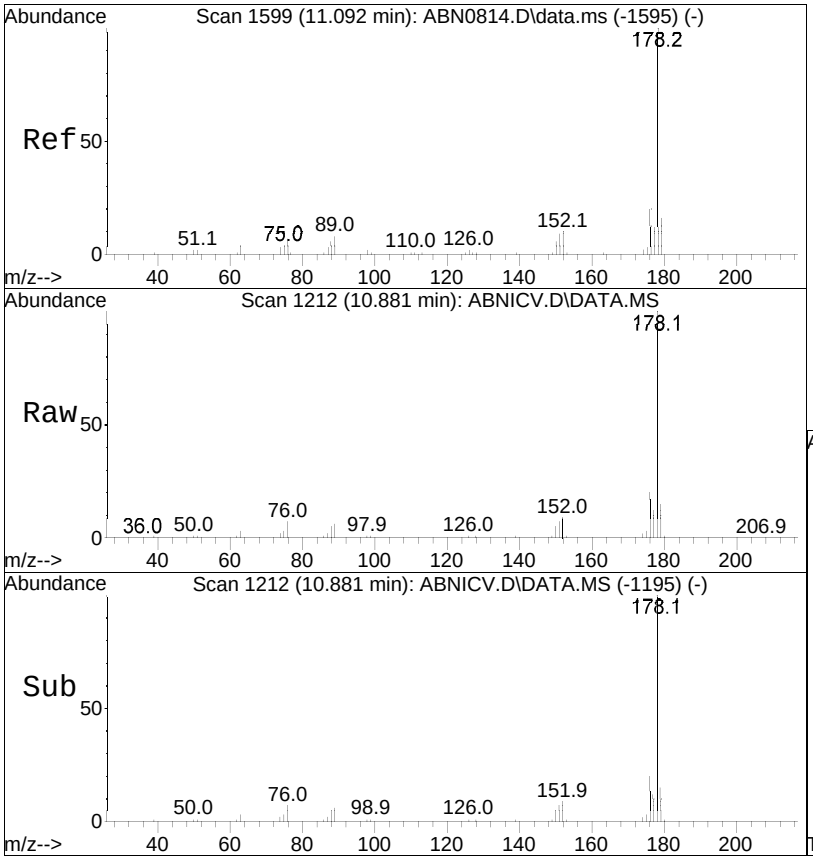


#82
Pentachlorophenol
Concen: 4.93 ug/ml
RT: 10.691 min Scan# 1186
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:266 Resp: 79930

Ion	Ratio	Lower	Upper
266	100		
264	62.3	49.7	74.5
268	63.8	50.5	75.7

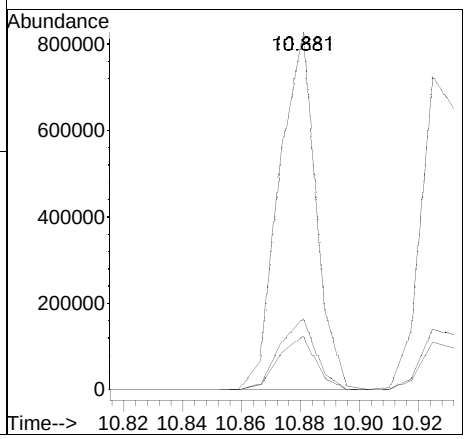


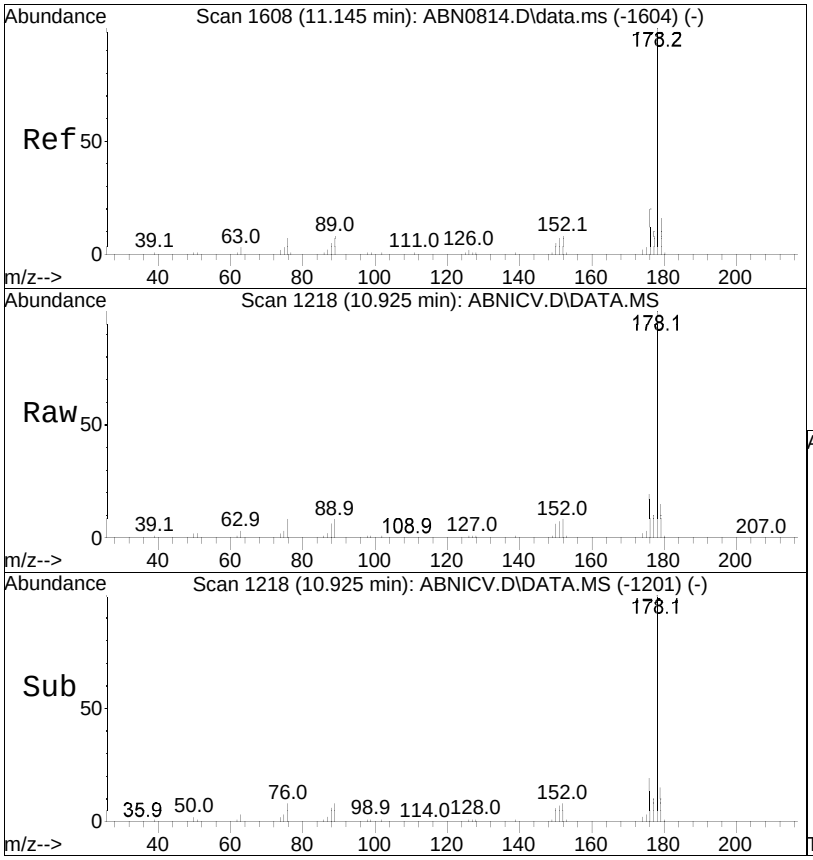


#89
Phenanthrene
Concen: 5.24 ug/ml
RT: 10.881 min Scan# 1212
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:178 Resp: 720269

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.8	15.4	23.2

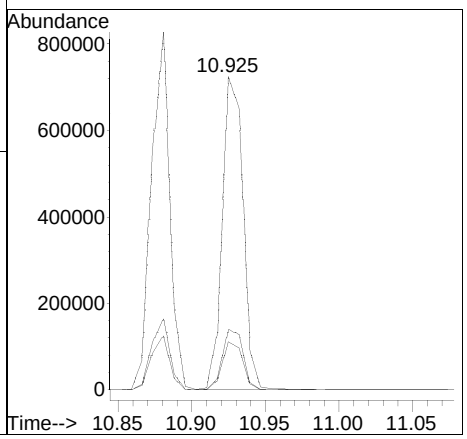


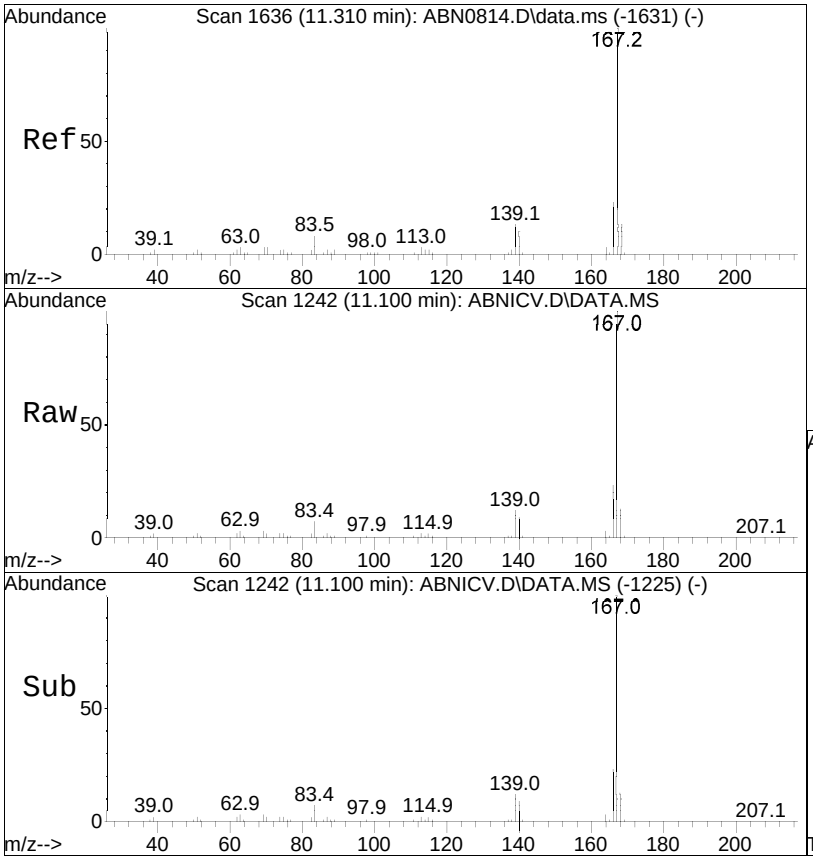


#90
Anthracene
Concen: 5.39 ug/ml
RT: 10.925 min Scan# 1218
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:178 Resp: 709870

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	19.4	14.6	22.0

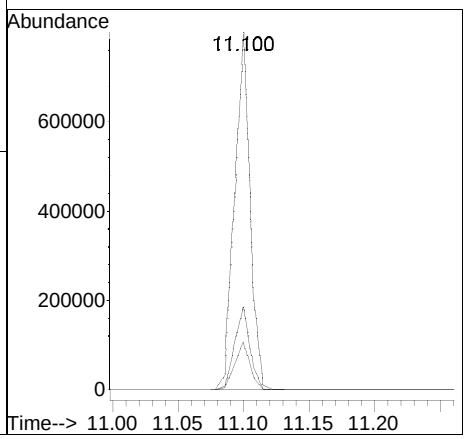


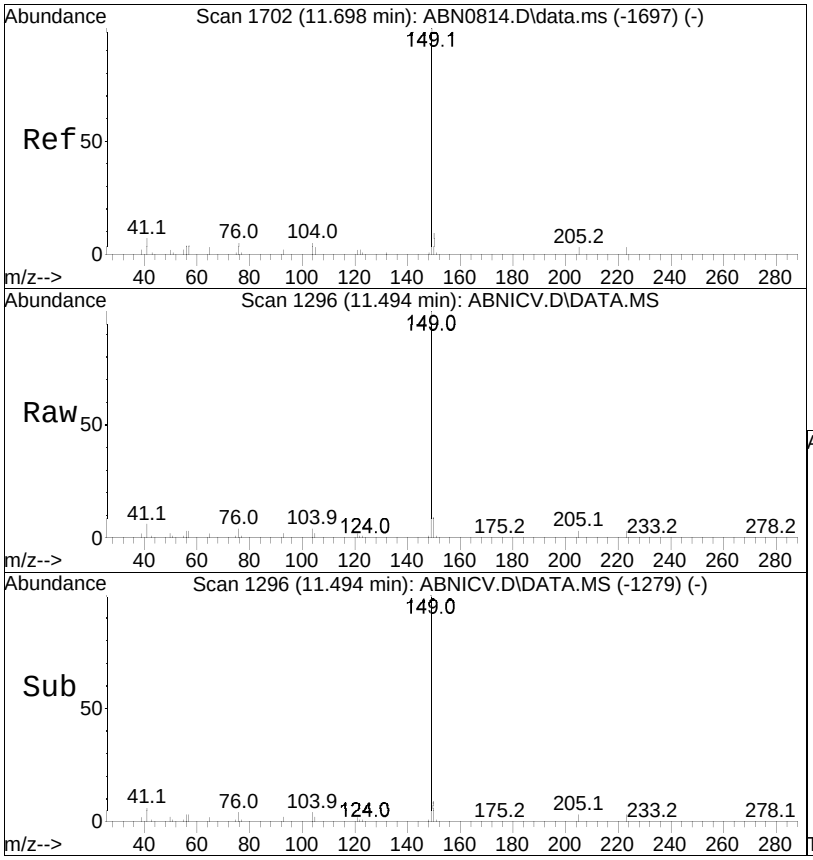


#91
Carbazole
Concen: 5.47 ug/ml
RT: 11.100 min Scan# 1242
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:167 Resp: 647707

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	23.3	17.4	26.0

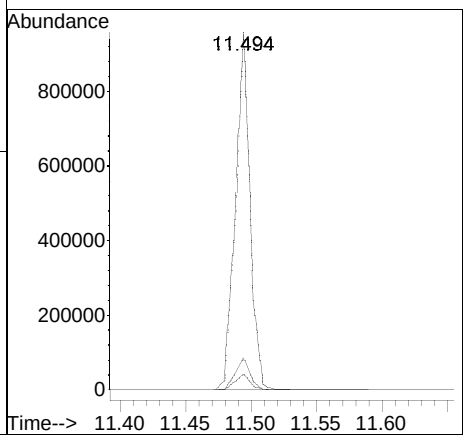


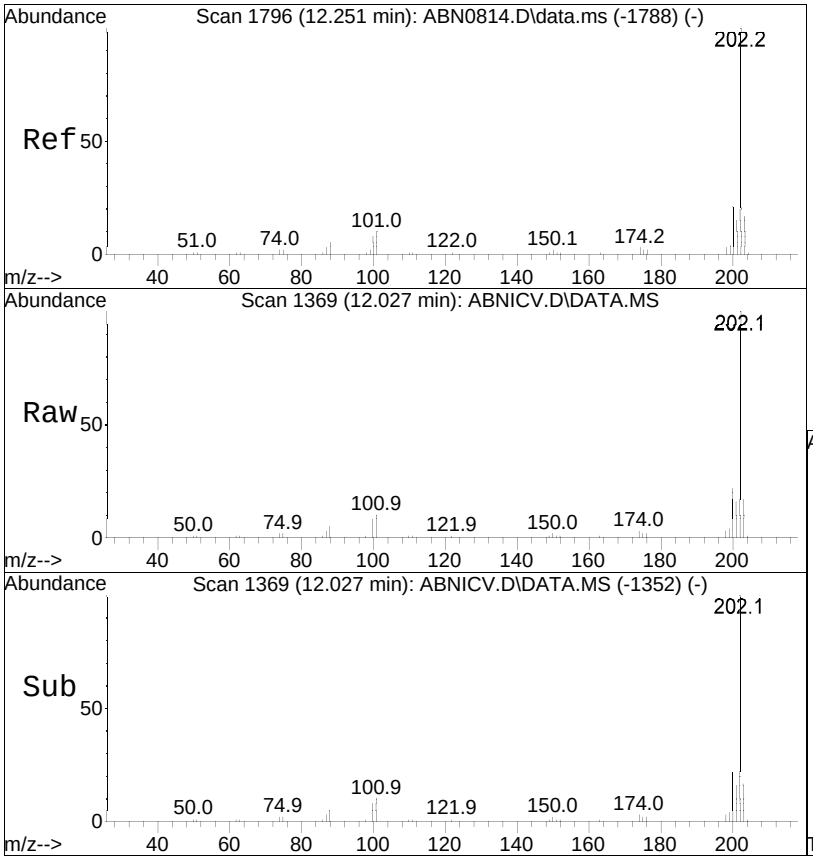


#92
Di-n-butylphthalate
Concen: 5.95 ug/ml
RT: 11.494 min Scan# 1296
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:149 Resp: 722098

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	4.9	4.5	6.7

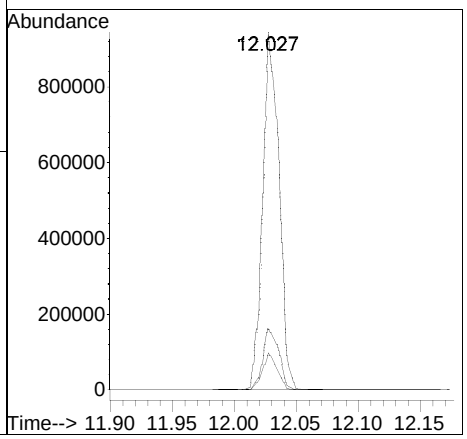


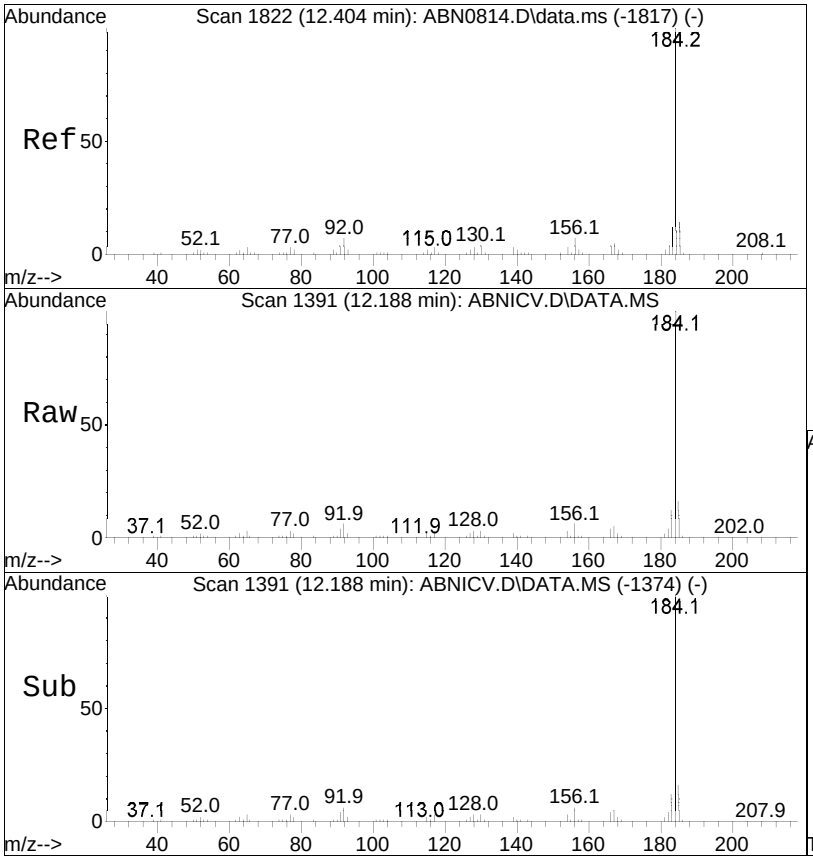


#93
Fluoranthene
Concen: 5.63 ug/ml
RT: 12.027 min Scan# 1369
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:202 Resp: 847592

Ion	Ratio	Lower	Upper
202	100		
101	9.6	13.5	20.3#
203	17.5	13.6	20.4

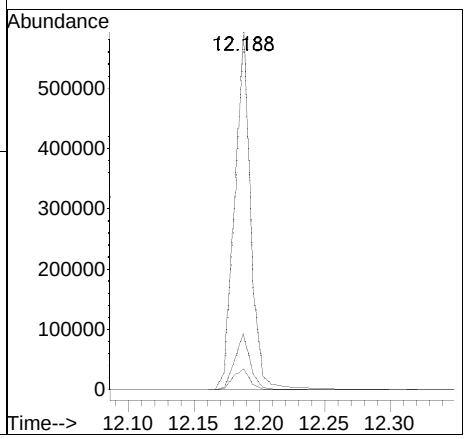


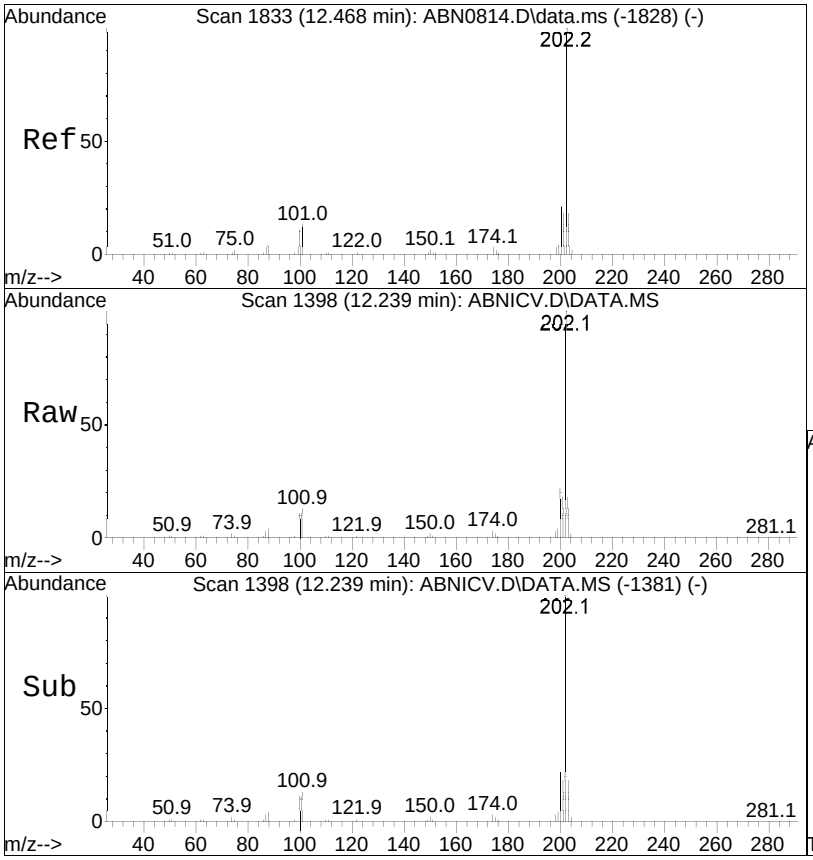


#94
Benzidine
Concen: 5.30 ug/ml
RT: 12.188 min Scan# 1391
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:184 Resp: 499202

Ion	Ratio	Lower	Upper
184	100		
92	6.5	9.1	13.7#
185	15.7	11.1	16.7

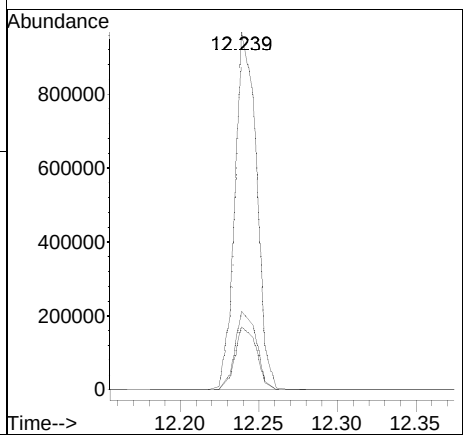


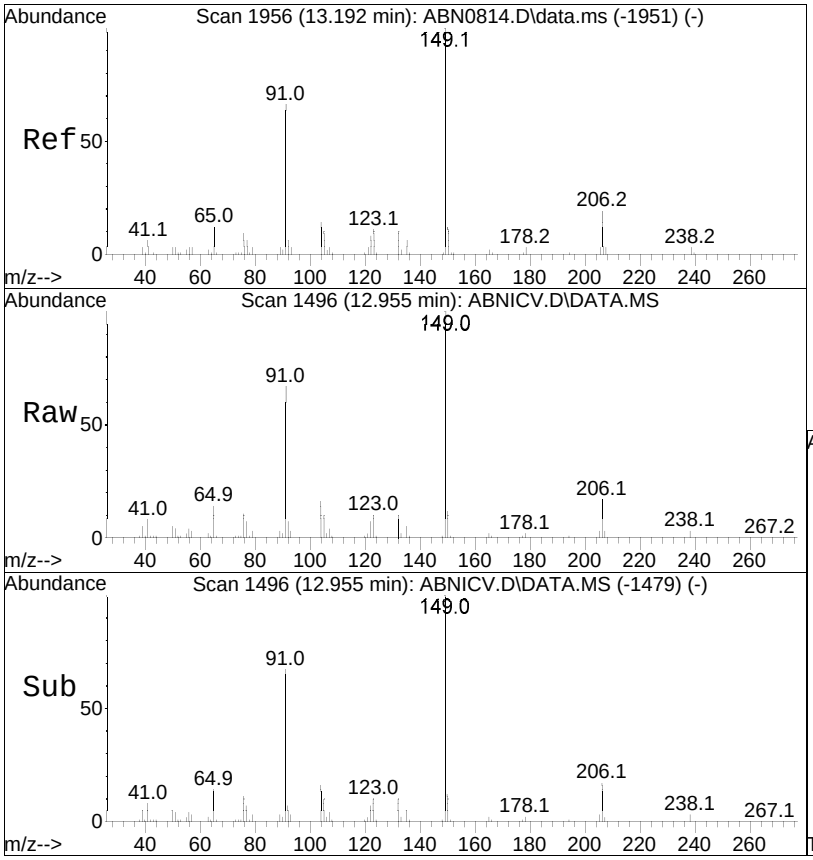


#95
Pyrene
Concen: 5.79 ug/ml
RT: 12.239 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:202 Resp: 915124

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.7	25.1
203	17.8	14.2	21.4

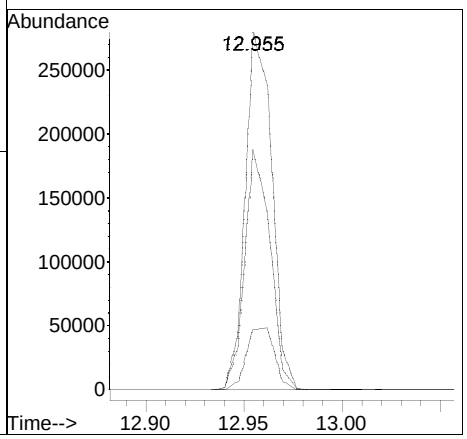


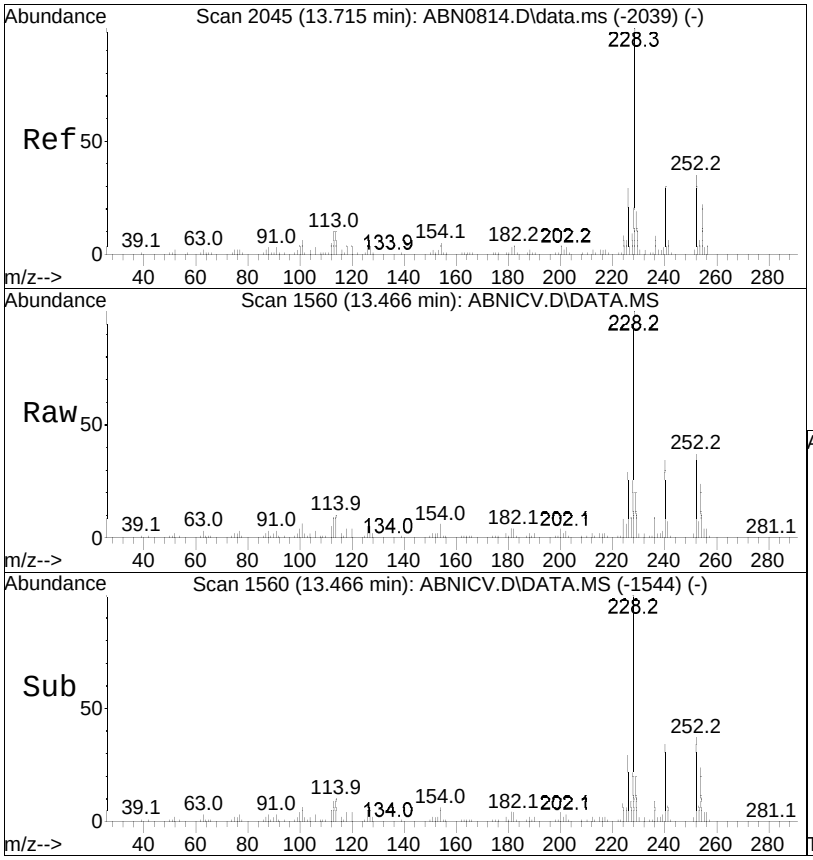


#97
Butyl benzyl phthalate
Concen: 4.41 ug/ml
RT: 12.955 min Scan# 1496
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:149 Resp: 260720

Ion	Ratio	Lower	Upper
149	100		
91	64.3	63.3	94.9
206	18.5	13.9	20.9

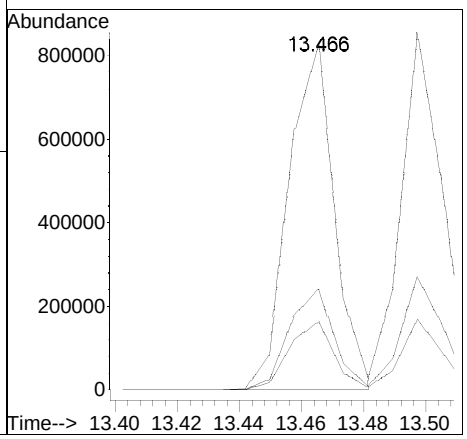


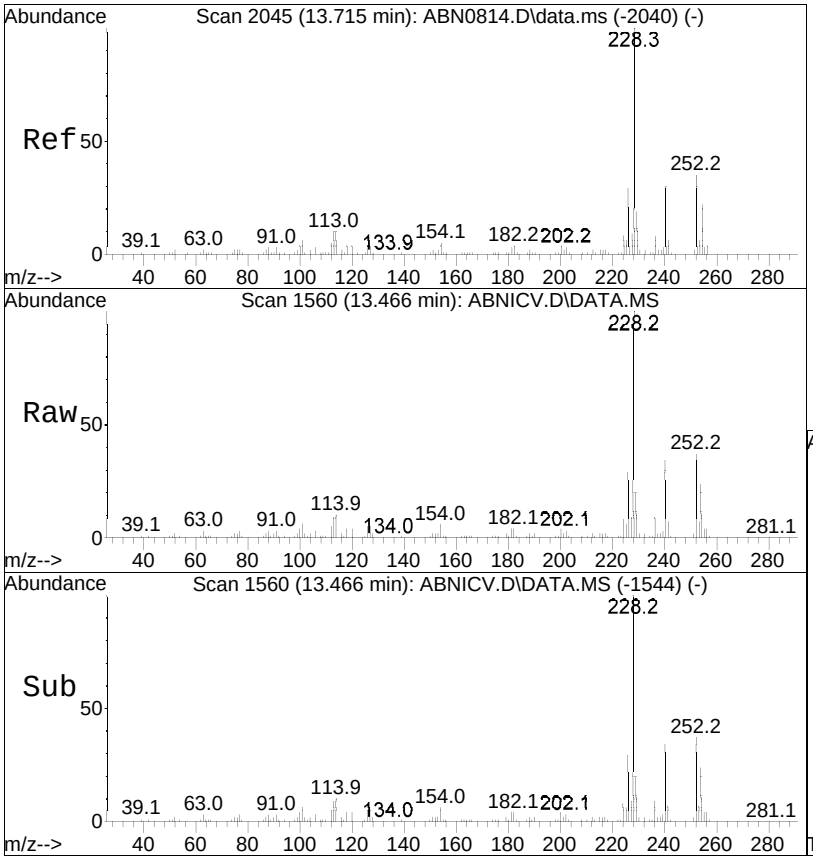


#105
Benzo(a)anthracene
Concen: 5.39 ug/ml
RT: 13.466 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:228 Resp: 845857

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	19.5	15.6	23.4

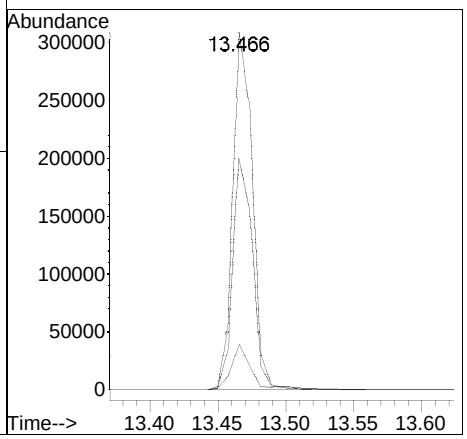


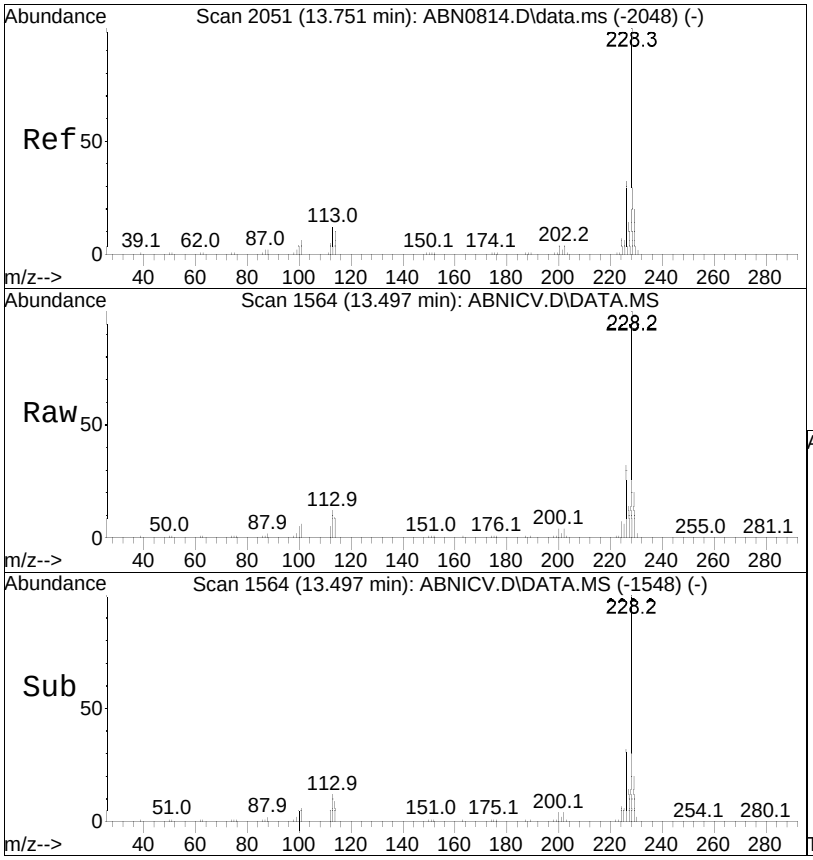


#106
3,3'-Dichlorobenzidine
Concen: 6.13 ug/ml
RT: 13.466 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:252 Resp: 309920

Ion	Ratio	Lower	Upper
252	100		
126	12.7	14.5	21.7#
254	65.0	51.2	76.8

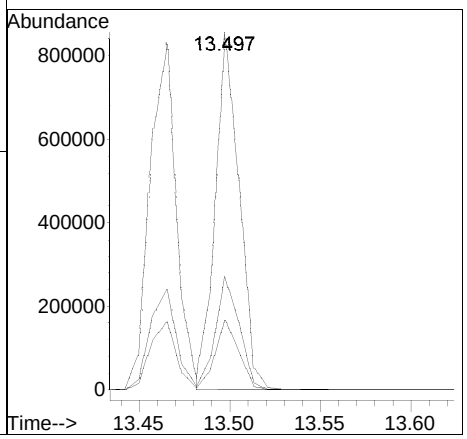


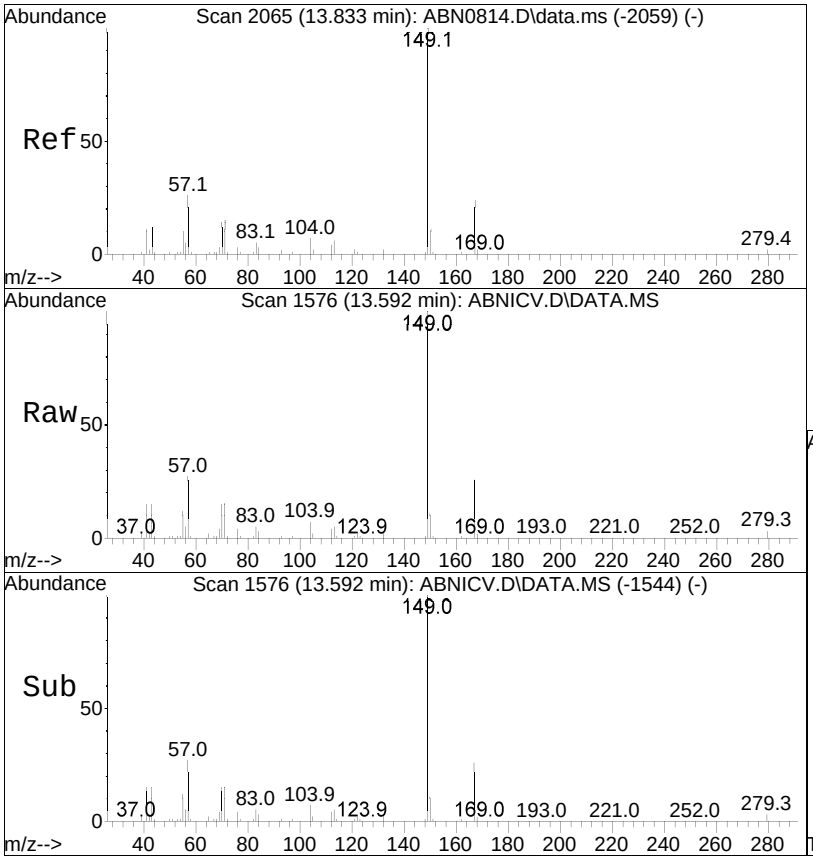


#107
Chrysene
Concen: 5.07 ug/ml
RT: 13.497 min Scan# 1564
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:228 Resp: 784428

Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.0	36.0
229	19.4	15.8	23.8

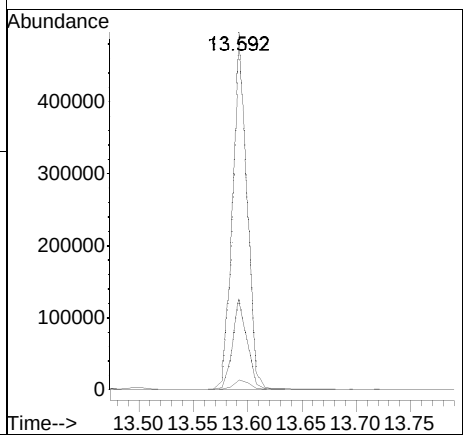


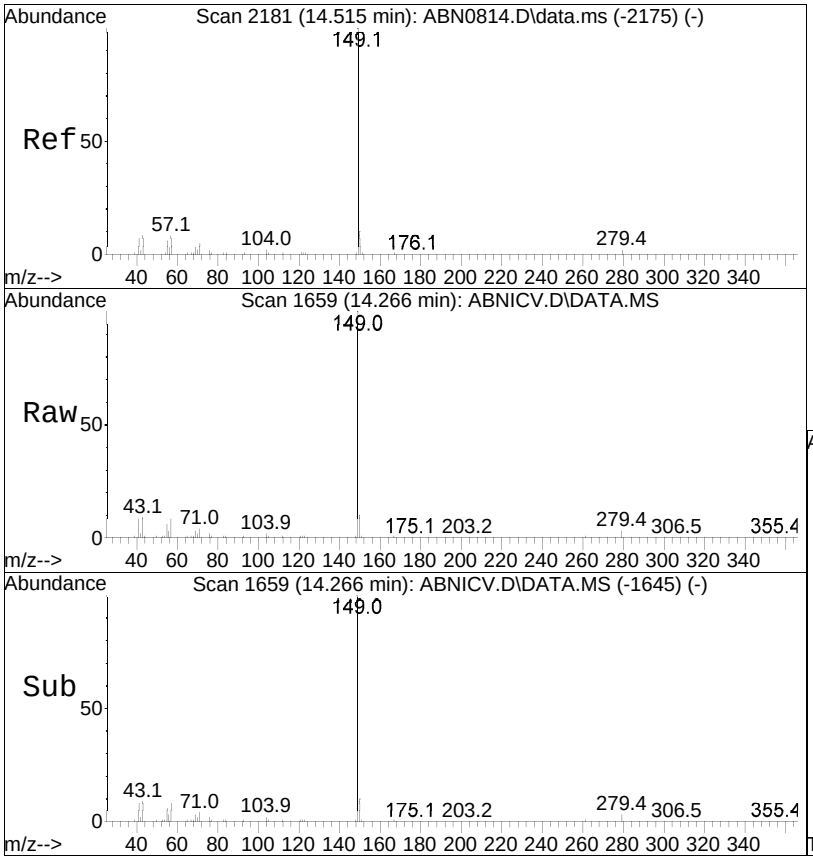


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.00 ug/ml
RT: 13.592 min Scan# 1576
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:149 Resp: 446612

Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.1	33.1
279	2.7	3.0	4.4#

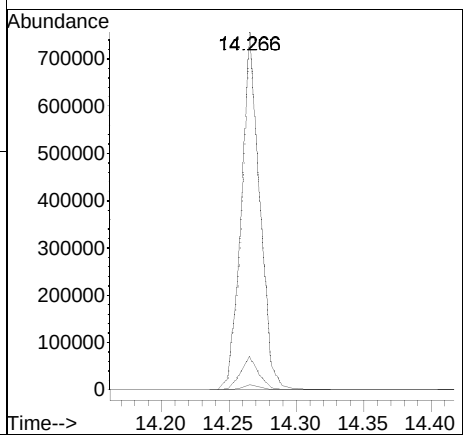


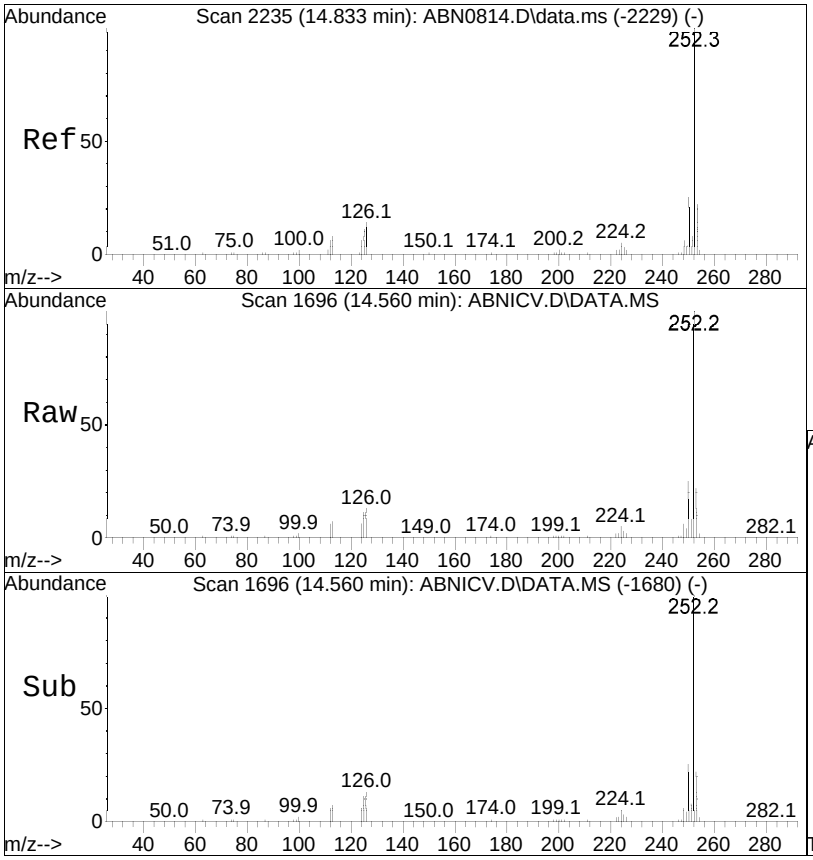


#109
Di-n-octylphthalate
Concen: 4.81 ug/ml
RT: 14.266 min Scan# 1659
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:149 Resp: 703691

Ion	Ratio	Lower	Upper
149	100		
43	9.6	18.8	28.2#
167	1.4	1.3	1.9

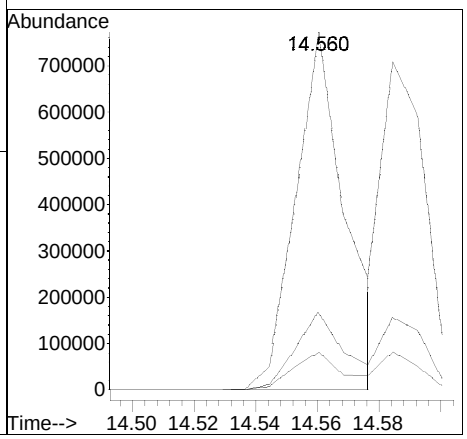


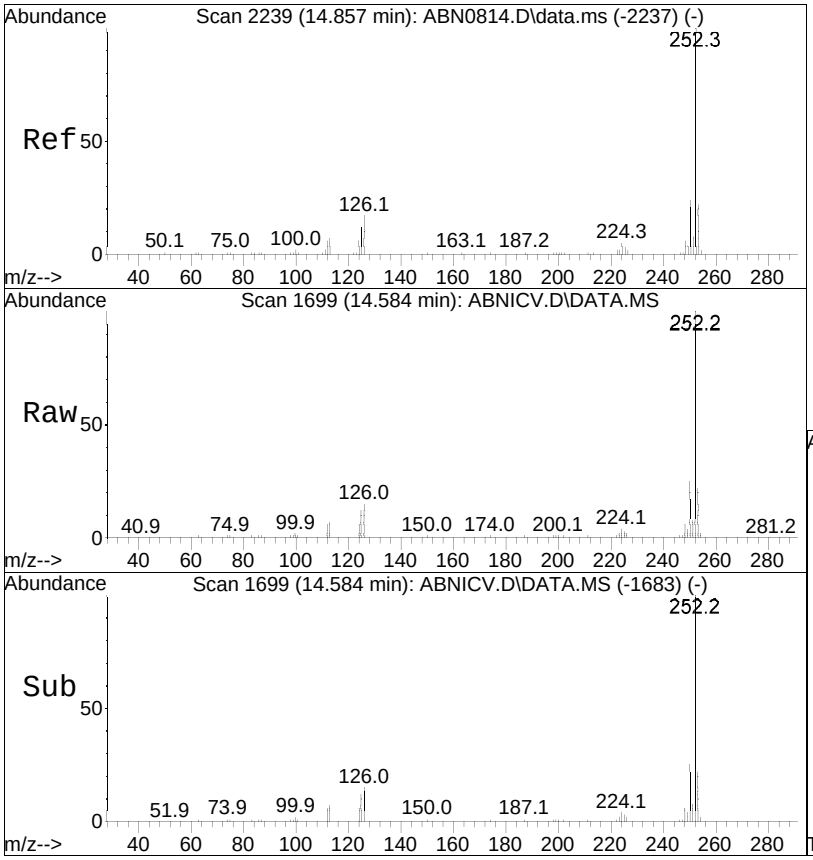


#110
Benzo(b)fluoranthene
Concen: 5.76 ug/ml
RT: 14.560 min Scan# 1696
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:252 Resp: 875200

Ion	Ratio	Lower	Upper
252	100		
125	11.2	13.3	19.9#
253	22.0	17.1	25.7

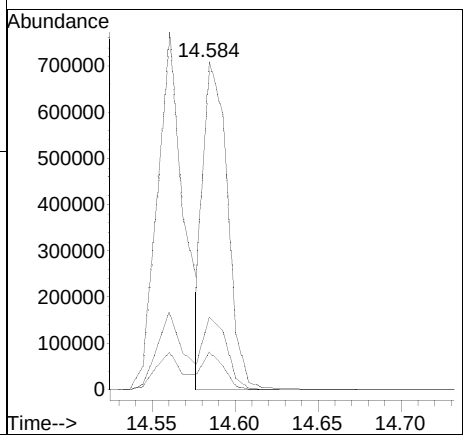


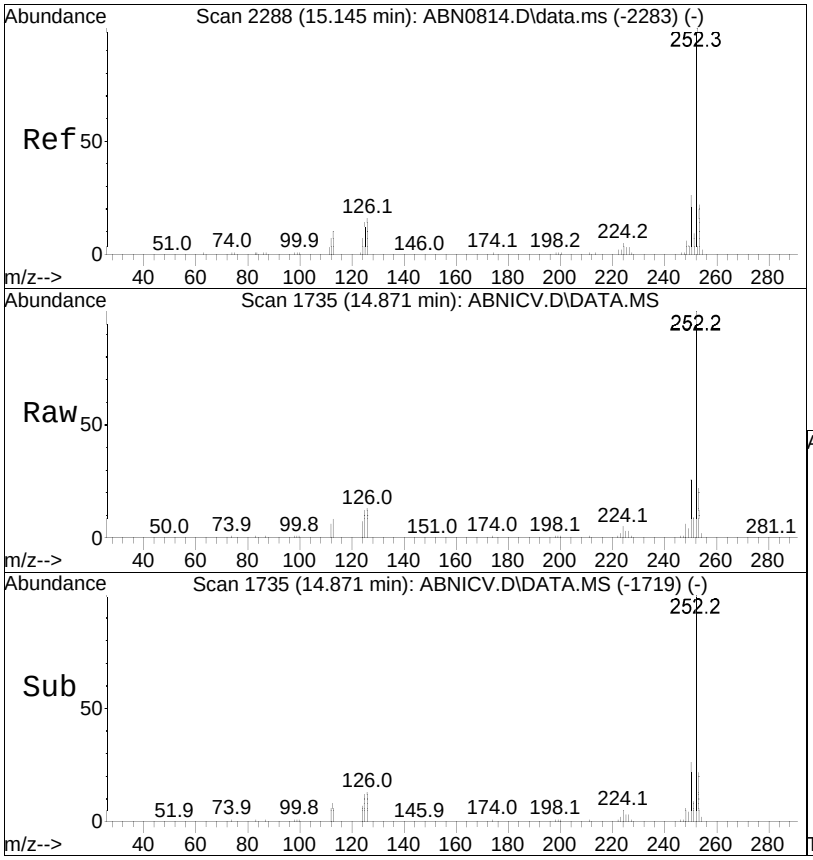


#111
Benzo(k)fluoranthene
Concen: 5.28 ug/ml
RT: 14.584 min Scan# 1699
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:252 Resp: 695733

Ion	Ratio	Lower	Upper
252	100		
125	10.0	13.0	19.6#
253	21.7	16.8	25.2

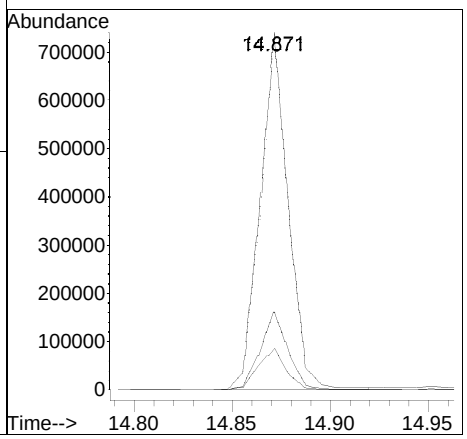


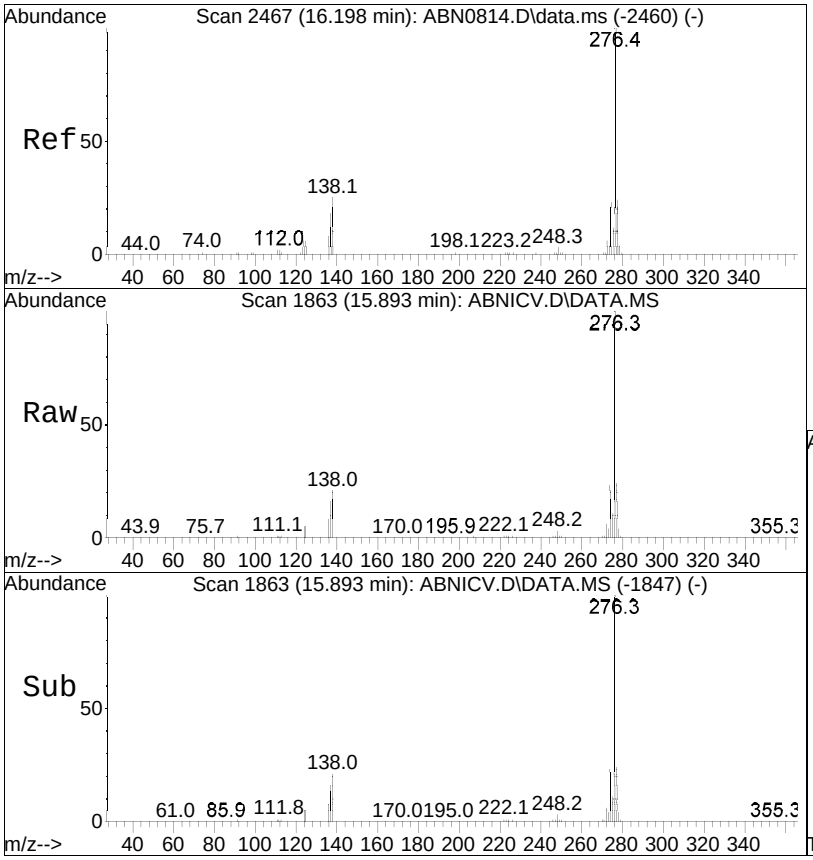


#112
Benzo(a)pyrene
Concen: 5.73 ug/ml
RT: 14.871 min Scan# 1735
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:252 Resp: 726694

Ion	Ratio	Lower	Upper
252	100		
125	11.9	14.2	21.2#
253	21.9	16.9	25.3

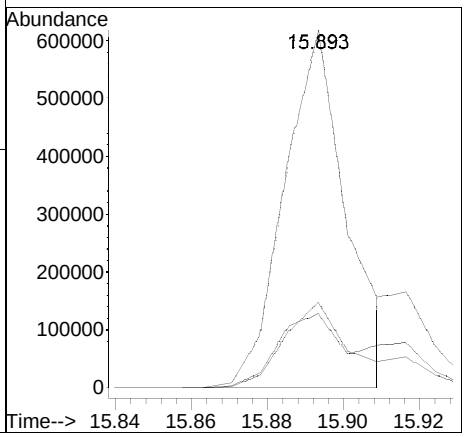


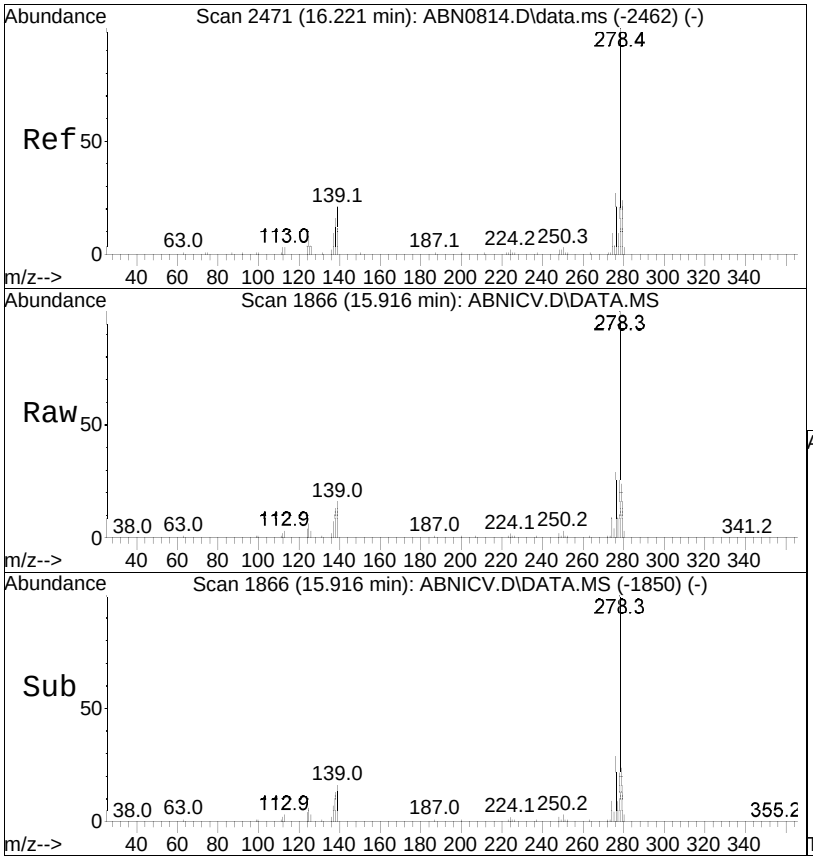


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.79 ug/mL M6
RT: 15.893 min Scan# 1863
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:276 Resp: 709317

Ion	Ratio	Lower	Upper
276	100		
138	33.7	25.1	37.7
277	30.3	18.6	28.0#

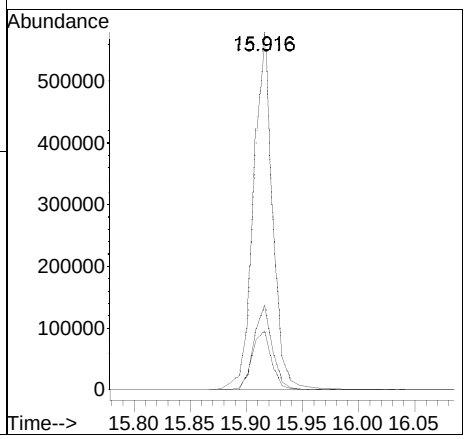


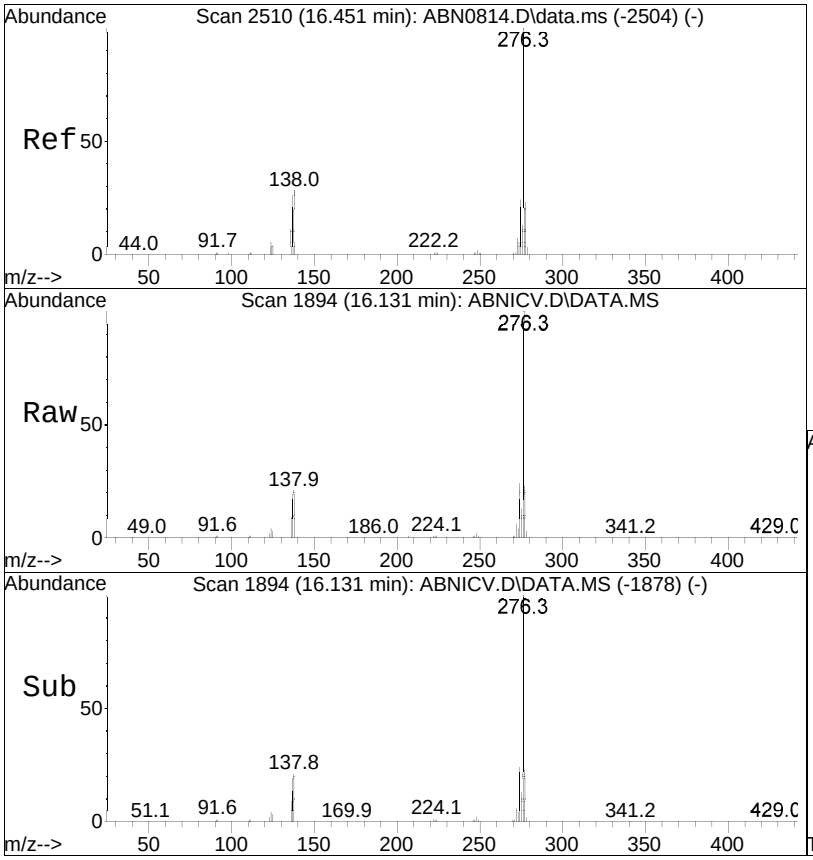


#115
Dibenzo(a,h)anthracene
Concen: 5.57 ug/ml
RT: 15.916 min Scan# 1866
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:278 Resp: 679154

Ion	Ratio	Lower	Upper
278	100		
139	17.3	20.8	31.2#
279	23.5	18.3	27.5

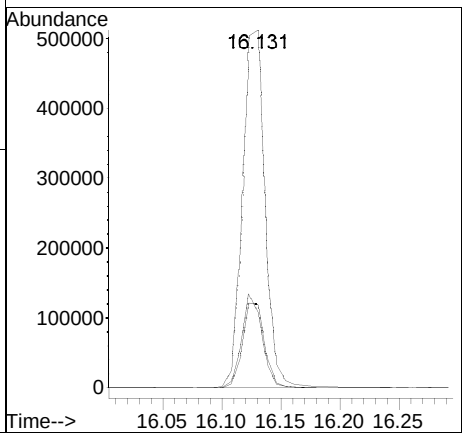




#116
Benzo(ghi)perylene
Concen: 5.41 ug/ml
RT: 16.131 min Scan# 1894
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 5 Mar 2025 3:47 am

Tgt Ion:276 Resp: 665988

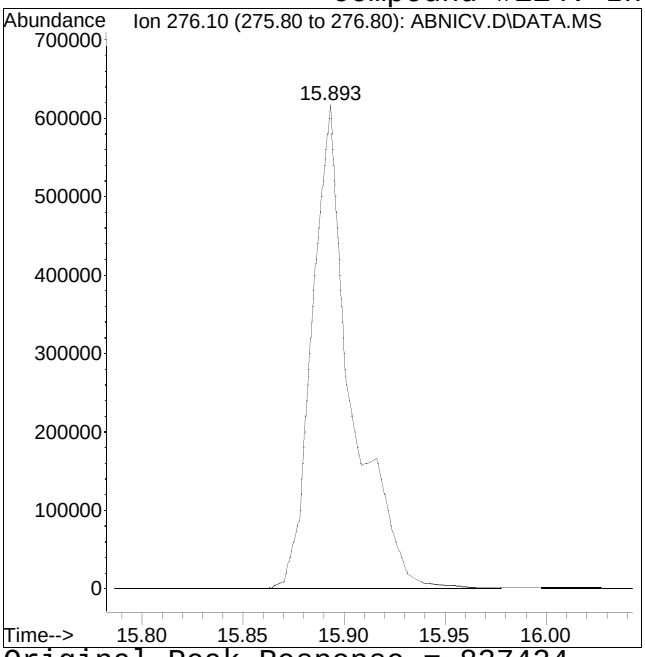
Ion	Ratio	Lower	Upper
276	100		
138	24.4	29.2	43.8#
277	23.8	18.8	28.2



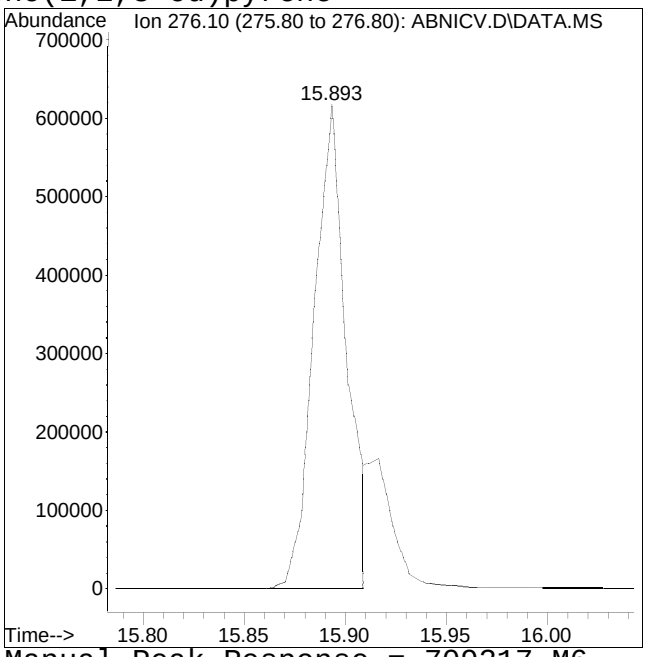
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ABNICV.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 3:47 am Instrument : SV107
Sample : CQICV1,32,,ABNICV Lot# 114 Quant Date : 3/5/2025 2:28 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 837424



Manual Peak Response = 709317 M6

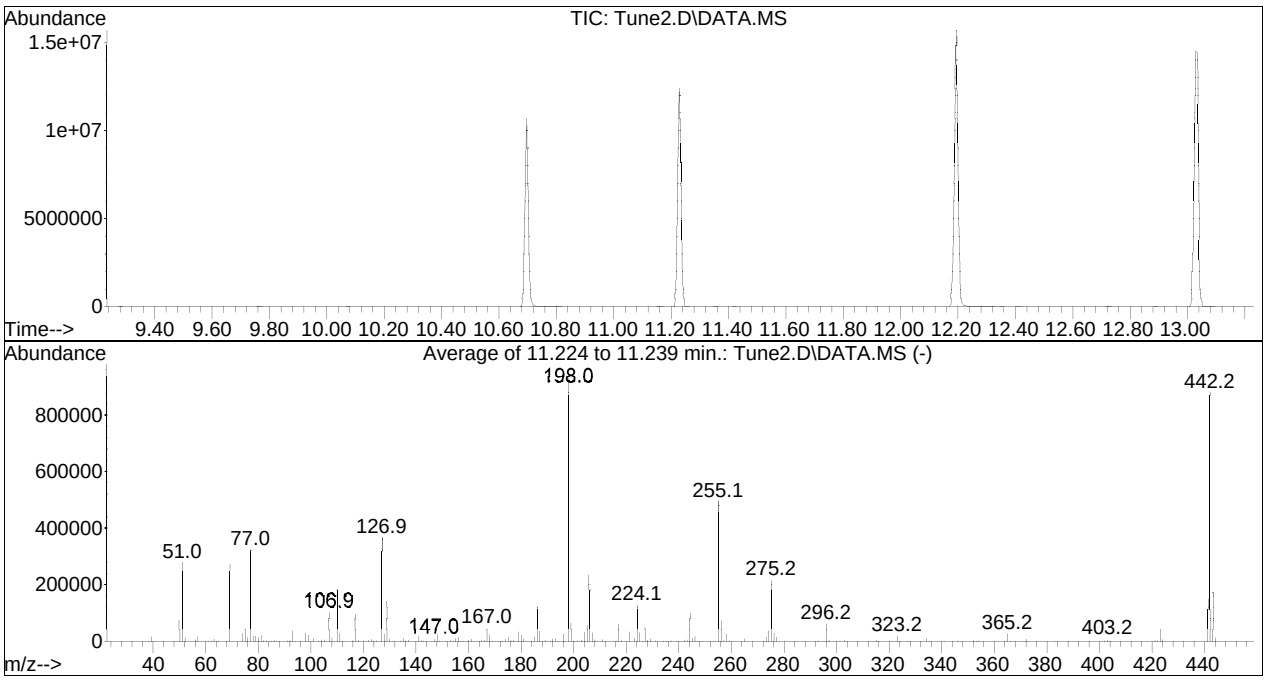
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

DFTPP

Data Path : I:\8270\SV107\250304ical\
Data File : Tune2.D
Acq On : 5 Mar 2025 4:38 am
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025



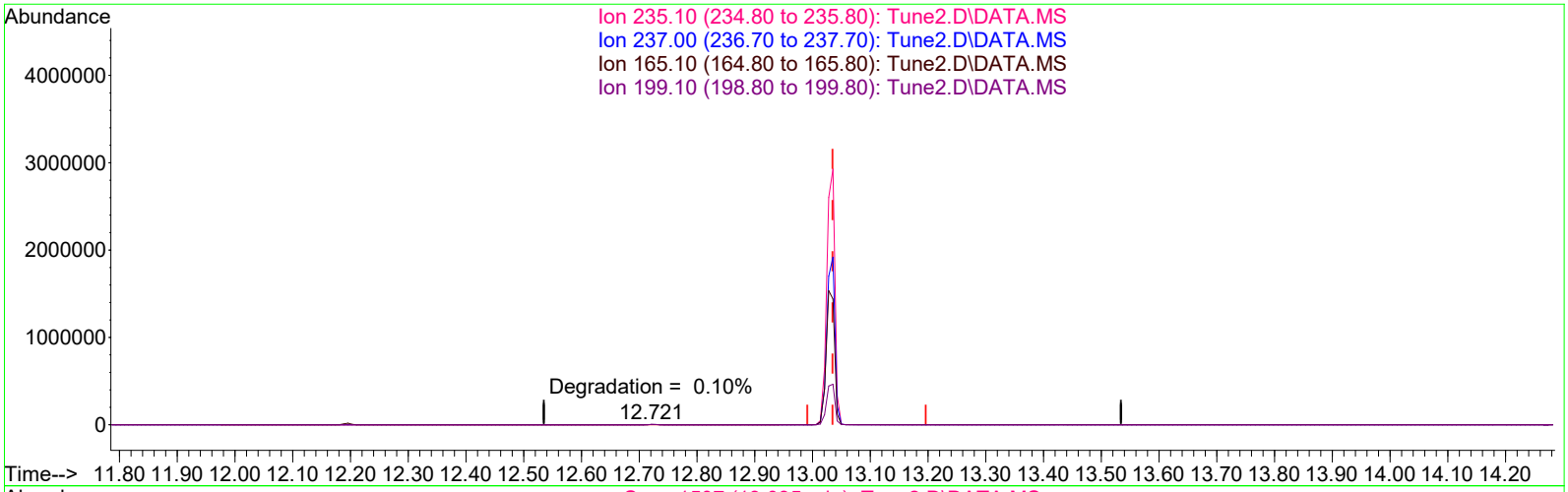
Spectrum Information: Average of 11.224 to 11.239 min.

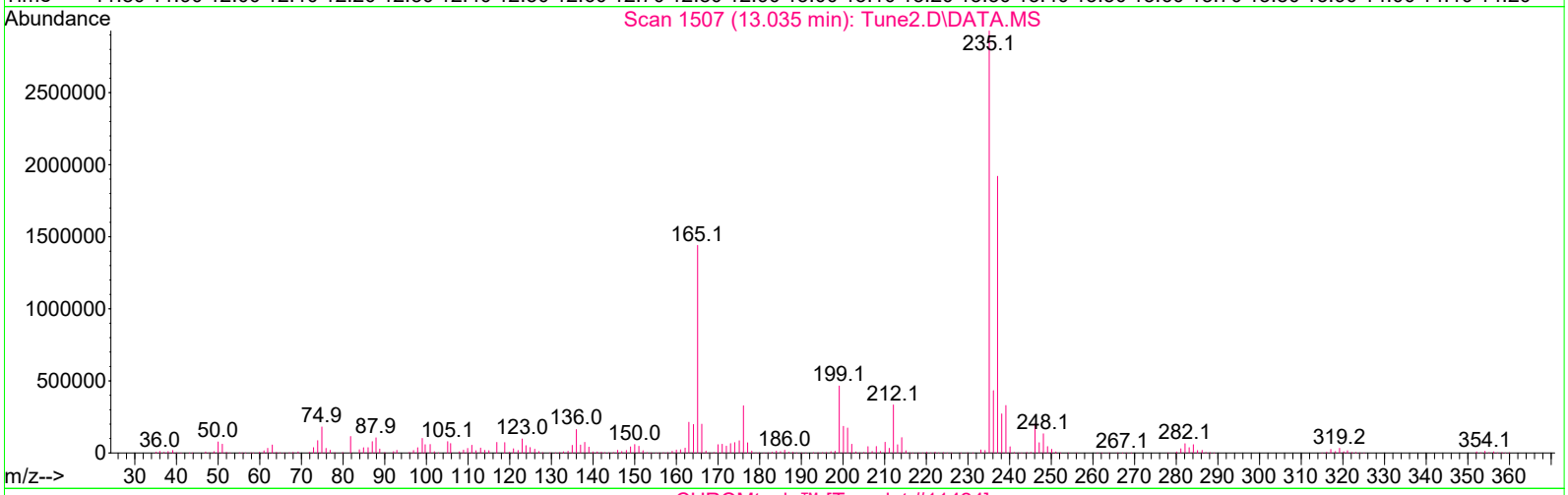
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.8	277592	PASS
68	69	0.00	2	1.5	4004	PASS
69	69	100	100	100.0	271813	PASS
70	69	0.00	2	0.5	1273	PASS
127	198	10	80	39.4	367565	PASS
197	198	0.00	2	0.4	3647	PASS
198	198	100	100	100.0	931904	PASS
199	198	5	9	6.7	62453	PASS
275	198	10	60	23.1	215096	PASS
365	198	1	100	2.9	27156	PASS
441	442	0.01	24	17.1	150019	PASS
442	198	50	100	94.3	878720	PASS
443	442	15	24	19.8	173763	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune2.D
Acq On : 5 Mar 2025 4:38 am
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 05 13:36:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(6) DDT (T)

13.035min (+ 0.000) 530.84

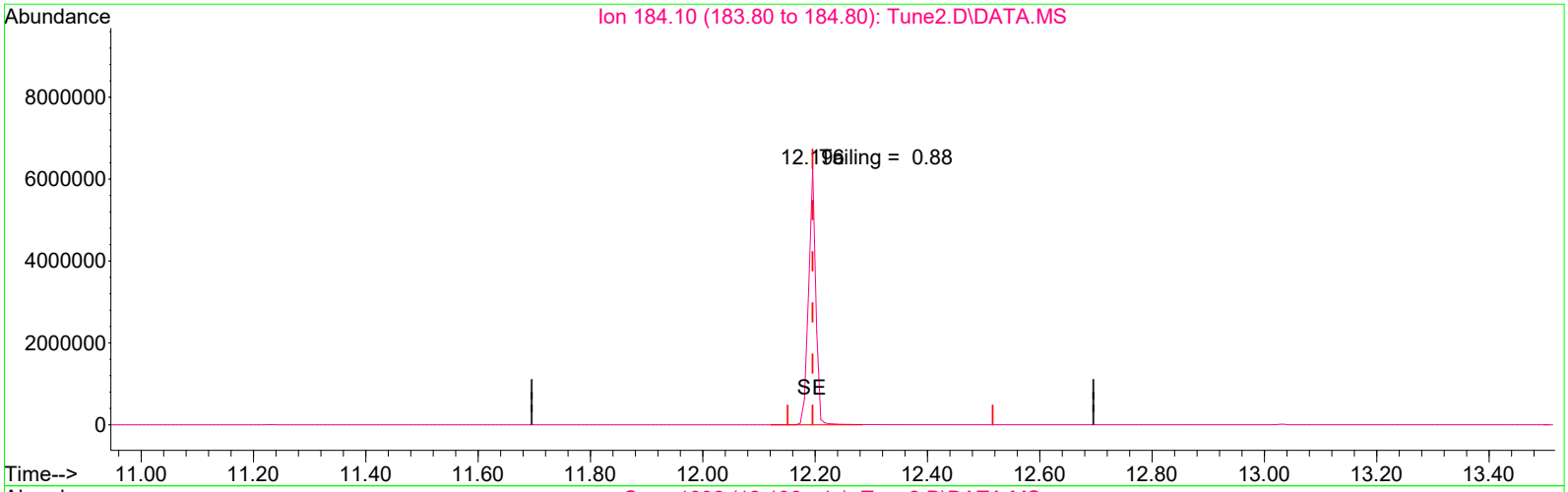
response 3235848

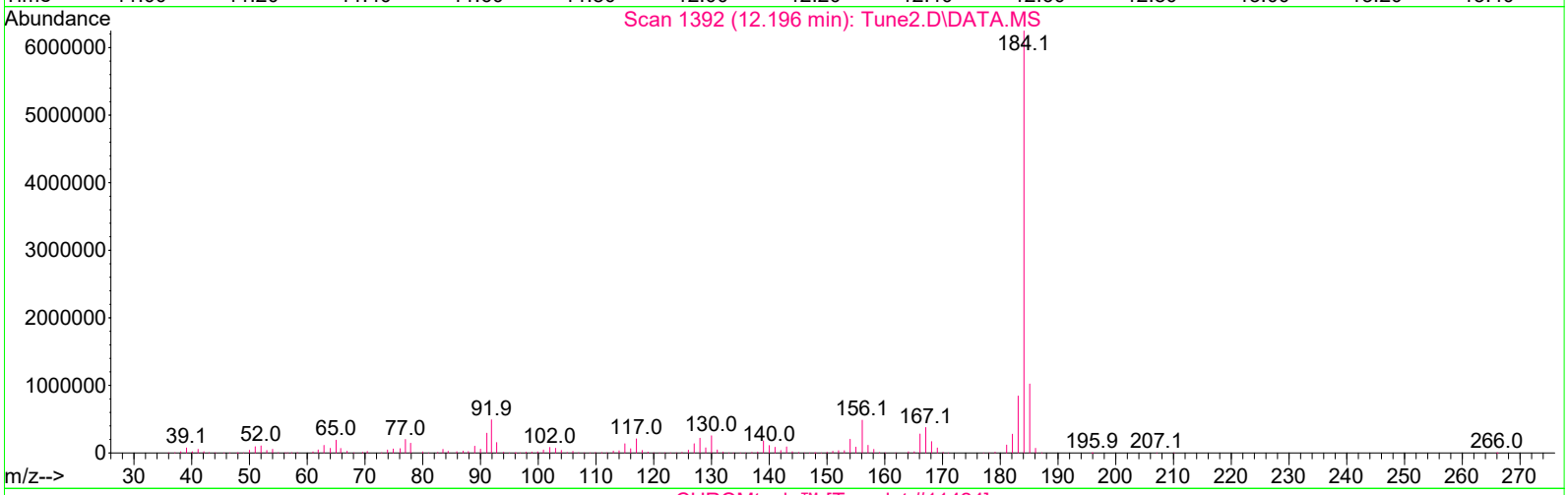
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	66.47
165.10	55.40	55.39
199.10	16.20	16.96

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune2.D
Acq On : 5 Mar 2025 4:38 am
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 05 13:36:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(3) Benzidine (T)

12.196min (-0.000) 550.31

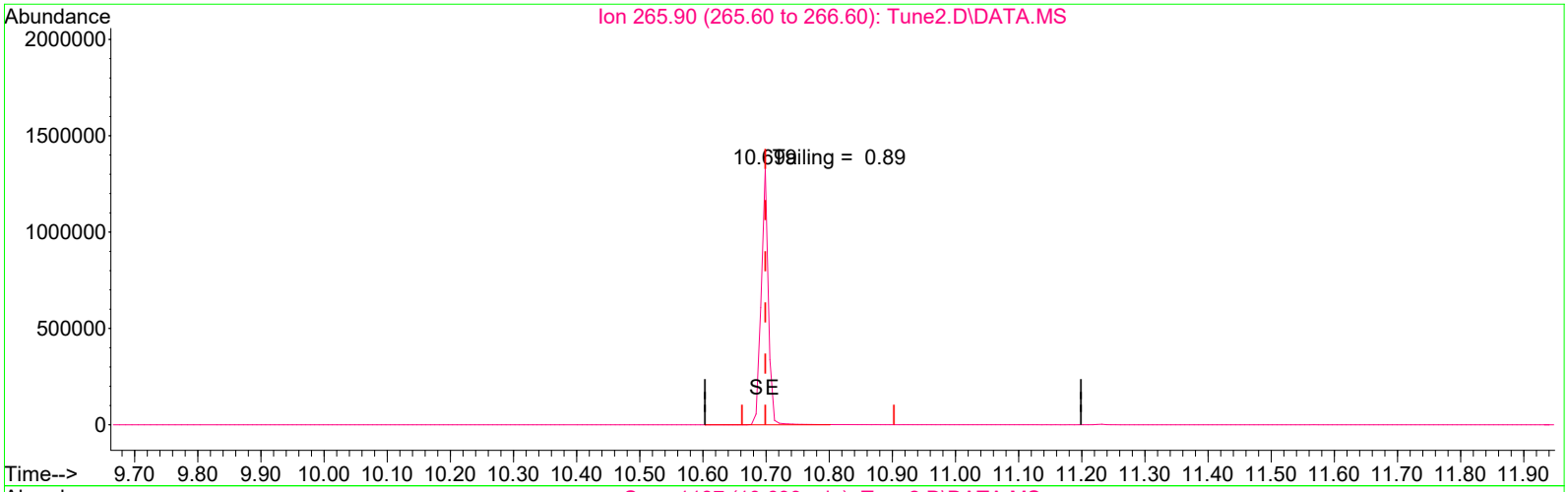
response 5602222

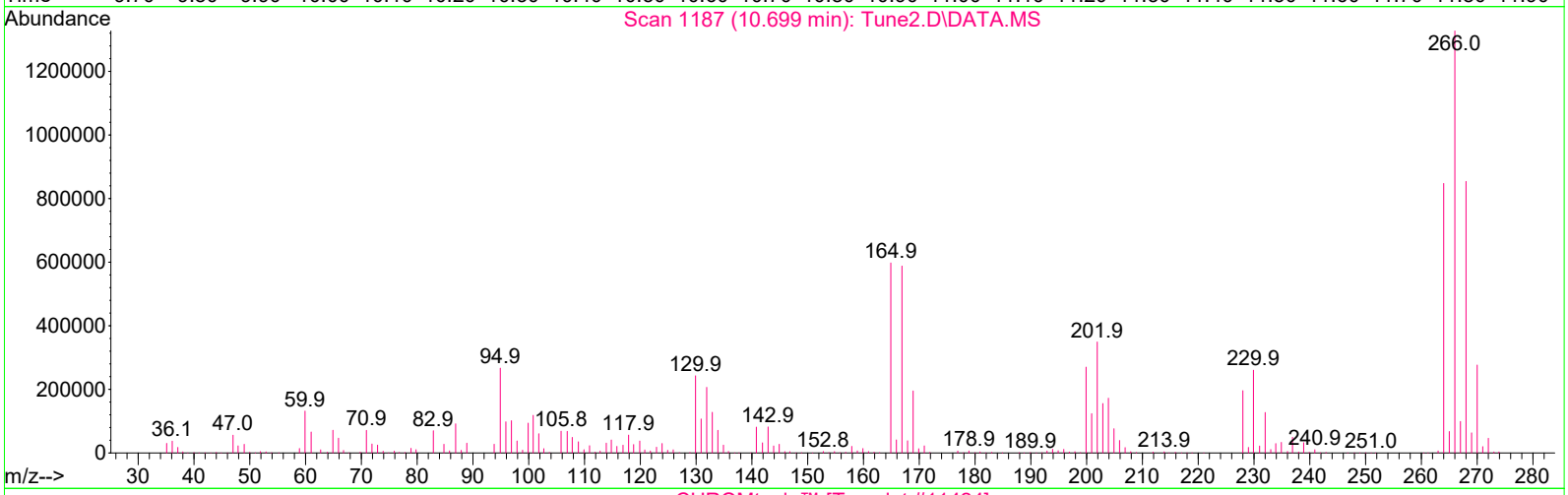
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250304ical\
Data File : Tune2.D
Acq On : 5 Mar 2025 4:38 am
Operator : SV107:mrg
Sample : Tune lot #11424
Misc : WG2037043
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 05 13:36:40 2025
Quant Method : I:\8270\SV107\250304ical\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 04 11:33:21 2025
Response via : Initial Calibration





CHROMtools™ [Tune lot #11424]

(1) Pentachlorophenol (T)

10.699min (-0.000) 499.95

response 1050077

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L9.D
Acq On : 5 Mar 2025 5:03 am
Operator : SV107:mrg
Sample : IL2,32,,AP9L50 Lot# 11434
Misc : WG2037043
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 05 14:54:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:54:39 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.222	152	99152	4.000	ug/ml	0.00
Standard Area 1 = 99449			Recovery = 99.70%			
55) IS2_Naphthalene-d8	7.667	136	360835	4.000	ug/ml	0.00
Standard Area 1 = 339901			Recovery = 106.16%			
83) IS2_Acenaphthene-d10	9.421	164	245615	4.000	ug/ml	0.00
Standard Area 1 = 224537			Recovery = 109.39%			
98) IS2_Phenanthrene-d10	10.859	188	528445	4.000	ug/ml	# 0.00
Standard Area 1 = 484143			Recovery = 109.15%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.627	105	1192165	56.862	ug/ml	96
29) Acetophenone	6.736	105	2120571	59.341	ug/ml#	84
30) m-Toluidine	6.841	106	2177019	70.664	ug/ml	96
31) 2-Chloroaniline	7.247	127	1985168	59.164	ug/ml#	93
56) a-Terpineol	7.747	59	1260360	62.826	ug/ml#	76
57) 3-Chloroaniline	7.761	65	675517	56.360	ug/ml	93
58) 2,6-Dichlorophenol	7.790	162	1508019	59.338	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.056	111	646575	65.197	ug/ml#	1
60) Caprolactam	8.128	55	771957	74.921	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	8.579	216	1922797	49.783	ug/ml	98
62) Biphenyl	8.885	154	4588086	52.787	ug/ml	96
84) Dichloran	10.566	206	728851	93.546	ug/ml#	63
85) Pentachloronitrobenzene	10.713	237	618044	73.018	ug/ml#	81
99) Diphenamid	11.772	167	3653159	75.465	ug/ml#	73

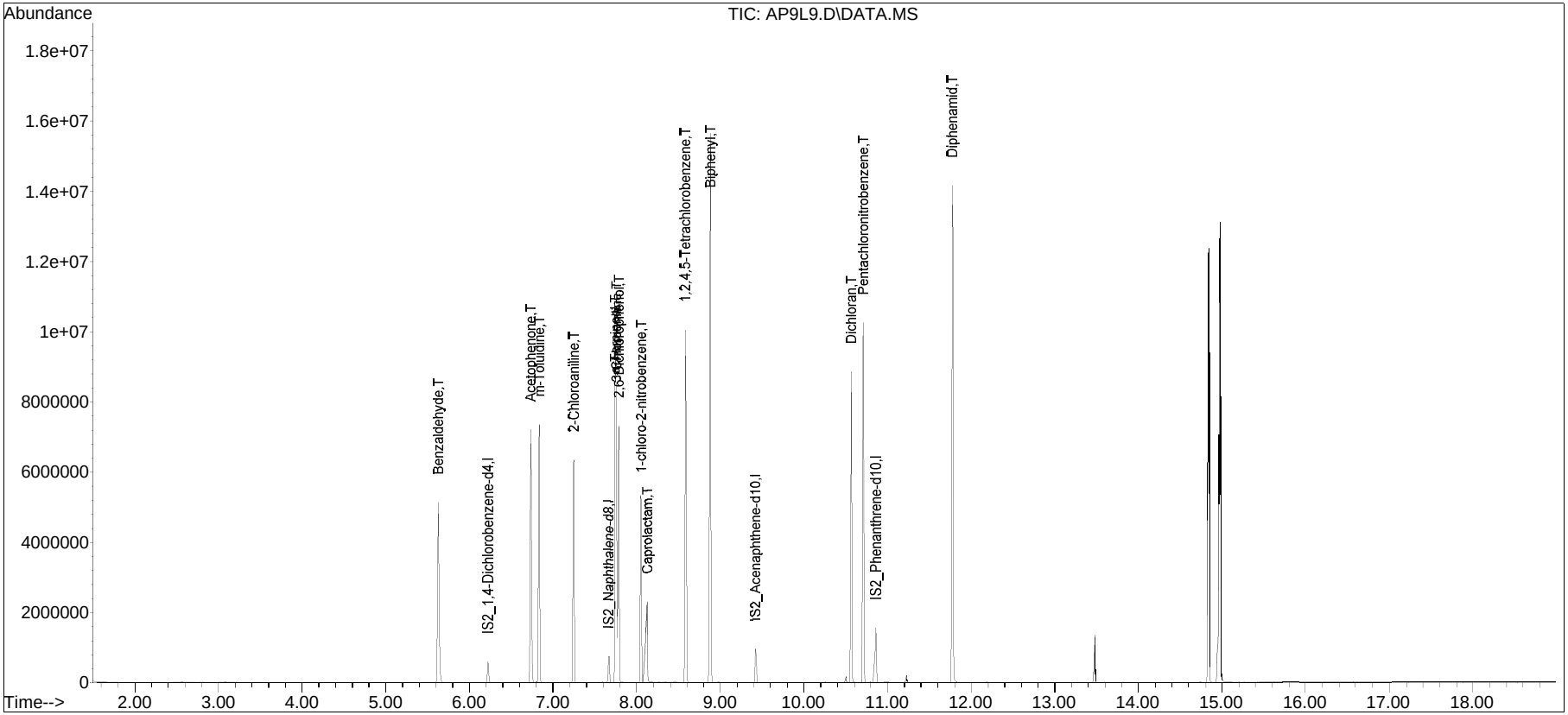
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L9.D
Acq On : 5 Mar 2025 5:03 am
Operator : SV107:mrg
Sample : IL2,32,,AP9L50 Lot# 11434
Misc : WG2037043
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 05 14:54:08 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:54:39 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L9.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 5:03 am	Instrument	: SV107
Sample	: IL2,32,,AP9L50 Lot# 11434	Quant Date	: 3/5/2025 2:54 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L8.D
Acq On : 5 Mar 2025 5:29 am
Operator : SV107:mrg
Sample : IL3,32,,AP9L25 Lot# 11435
Misc : WG2037043
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 05 14:53:18 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:53:56 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.222	152	101130	4.000	ug/ml	0.00
Standard Area 1 = 99449			Recovery = 101.69%			
55) IS2_Naphthalene-d8	7.660	136	366606	4.000	ug/ml	0.00
Standard Area 1 = 339901			Recovery = 107.86%			
83) IS2_Acenaphthene-d10	9.421	164	246614	4.000	ug/ml	0.00
Standard Area 1 = 224537			Recovery = 109.83%			
98) IS2_Phenanthrene-d10	10.859	188	524765	4.000	ug/ml	# 0.00
Standard Area 1 = 484143			Recovery = 108.39%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.627	105	643404	30.989	ug/ml	95
29) Acetophenone	6.736	105	1149411	32.759	ug/ml#	84
30) m-Toluidine	6.834	106	1166130	40.371	ug/ml	95
31) 2-Chloroaniline	7.239	127	1064636	32.234	ug/ml#	93
56) a-Terpineol	7.747	59	664975	34.112	ug/ml#	77
57) 3-Chloroaniline	7.761	65	368165	31.166	ug/ml	91
58) 2,6-Dichlorophenol	7.783	162	814713	32.781	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.049	111	337657	35.224	ug/ml#	1
60) Caprolactam	8.114	55	407295	42.266	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	8.579	216	1038890	26.699	ug/ml	99
62) Biphenyl	8.885	154	2506019	28.937	ug/ml	98
84) Dichloran	10.566	206	381228	56.377	ug/ml#	61
85) Pentachloronitrobenzene	10.713	237	319972	40.583	ug/ml#	82
99) Diphenamid	11.772	167	1879201	42.516	ug/ml#	75

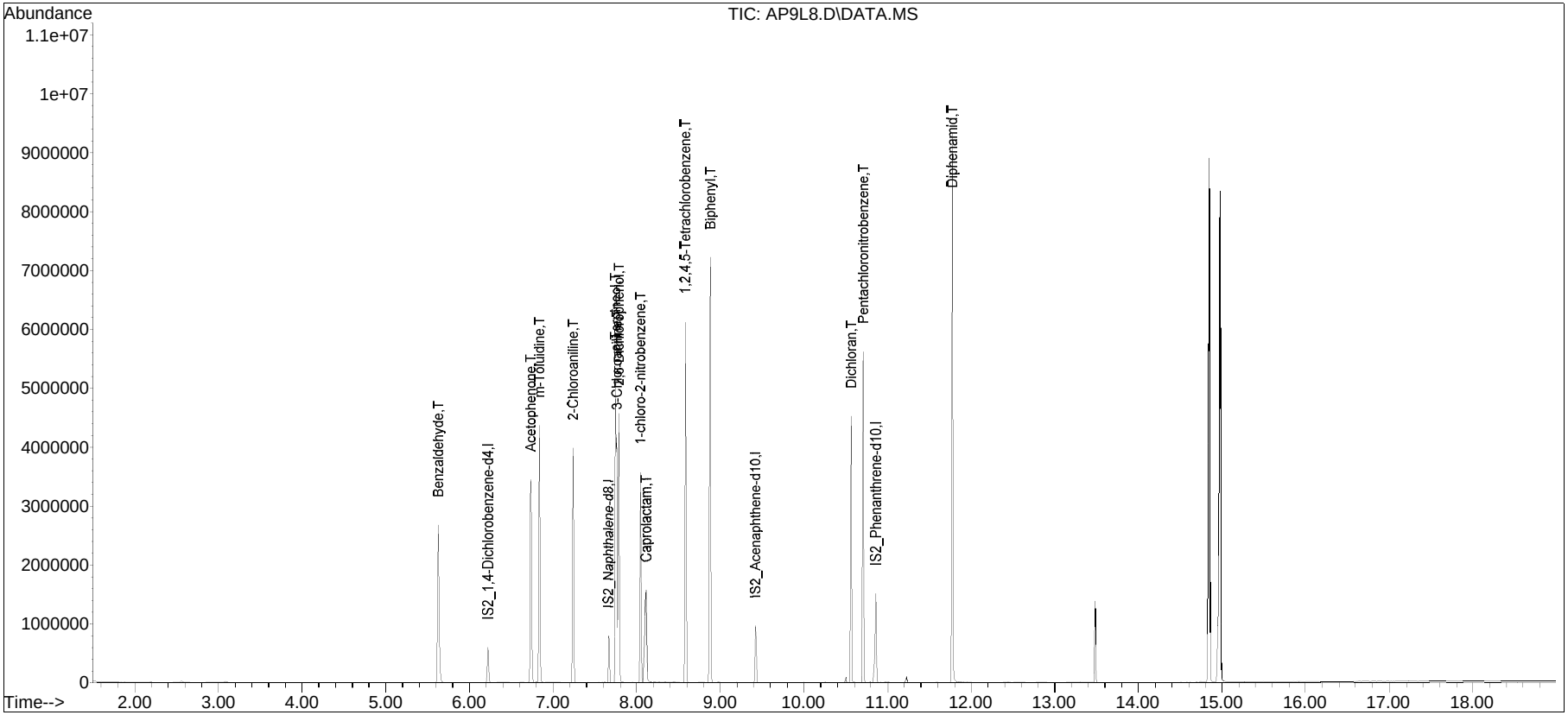
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L8.D
Acq On : 5 Mar 2025 5:29 am
Operator : SV107:mrg
Sample : IL3,32,,AP9L25 Lot# 11435
Misc : WG2037043
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 05 14:53:18 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:53:56 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L8.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 5:29 am	Instrument	: SV107
Sample	: IL3,32,,AP9L25 Lot# 11435	Quant Date	: 3/5/2025 2:54 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L7.D
Acq On : 5 Mar 2025 5:54 am
Operator : SV107:mrg
Sample : IL4,32,,AP9L10 Lot# 11436
Misc : WG2037043
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 05 14:52:42 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:53:19 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.222	152	96359	4.000	ug/ml	0.00
Standard Area 1 = 99449			Recovery = 96.89%			
55) IS2_Naphthalene-d8	7.660	136	351491	4.000	ug/ml	0.00
Standard Area 1 = 339901			Recovery = 103.41%			
83) IS2_Acenaphthene-d10	9.421	164	229827	4.000	ug/ml	0.00
Standard Area 1 = 224537			Recovery = 102.36%			
98) IS2_Phenanthrene-d10	10.859	188	508842	4.000	ug/ml	# 0.00
Standard Area 1 = 484143			Recovery = 105.10%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.627	105	211700	10.828	ug/ml	95
29) Acetophenone	6.736	105	372259	11.349	ug/ml#	85
30) m-Toluidine	6.834	106	373242	14.601	ug/ml	95
31) 2-Chloroaniline	7.239	127	349643	11.320	ug/ml#	93
56) a-Terpineol	7.739	59	204336	11.106	ug/ml#	76
57) 3-Chloroaniline	7.754	65	122503	10.965	ug/ml	90
58) 2,6-Dichlorophenol	7.783	162	268987	11.536	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.049	111	104588	11.648	ug/ml#	1
60) Caprolactam	8.099	55	123442	14.153	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	8.579	216	358176	9.537	ug/ml	98
62) Biphenyl	8.876	154	812026	9.744	ug/ml	98
84) Dichloran	10.558	206	89284	15.226	ug/ml#	71
85) Pentachloronitrobenzene	10.713	237	98267	14.171	ug/ml#	82
99) Diphenamid	11.765	167	582703	14.463	ug/ml#	74

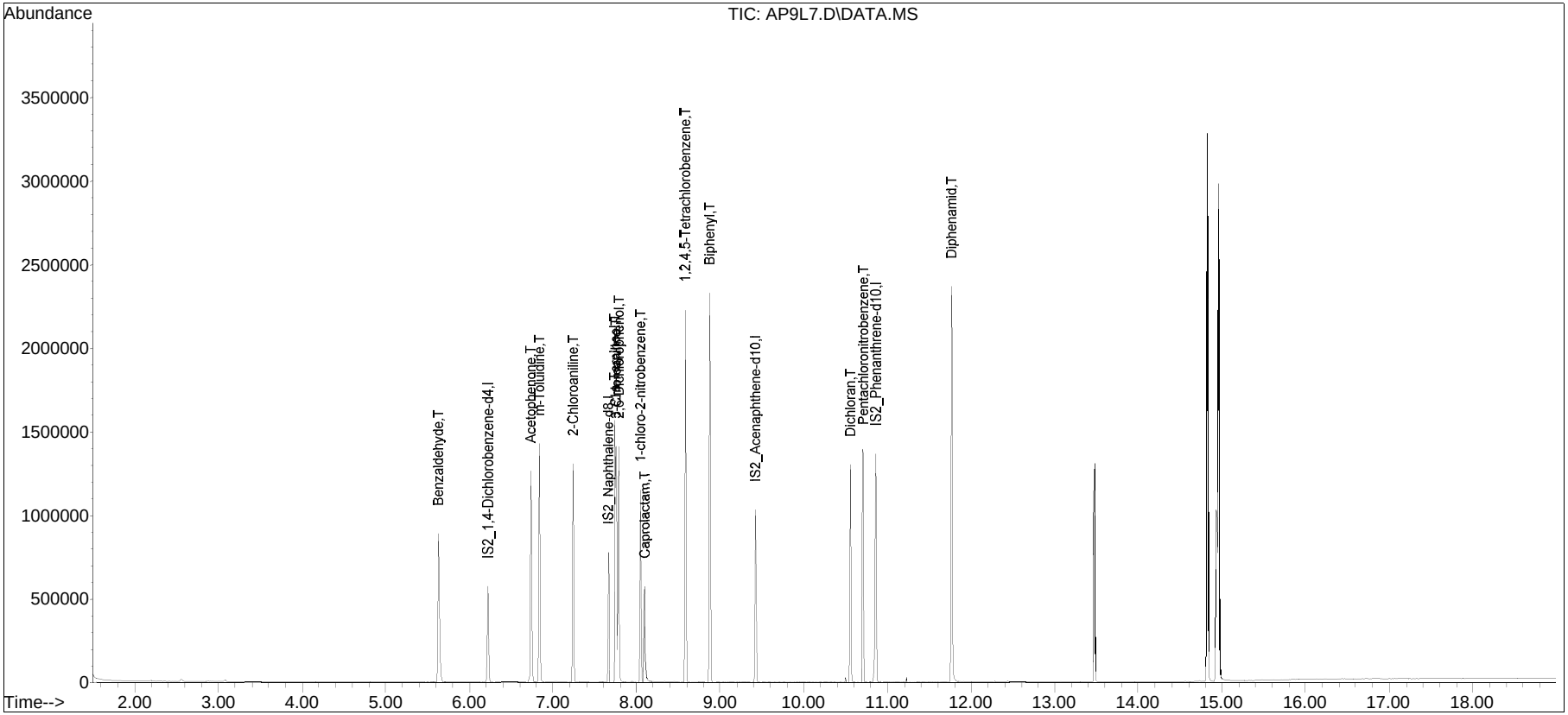
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L7.D
Acq On : 5 Mar 2025 5:54 am
Operator : SV107:mrg
Sample : IL4,32,,AP9L10 Lot# 11436
Misc : WG2037043
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 05 14:52:42 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:53:19 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L7.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 5:54 am	Instrument	: SV107
Sample	: IL4,32,,AP9L10 Lot# 11436	Quant Date	: 3/5/2025 2:53 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L6.D
Acq On : 5 Mar 2025 6:20 am
Operator : SV107:mrg
Sample : IL5,32,,AP9L5 Lot# 11437
Misc : WG2037043
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 06:38:43 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:39:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	99449	4.000	ug/ml		0.00
Standard Area 1 = 99449			Recovery = 100.00%				
55) IS2_Naphthalene-d8	7.660	136	339901	4.000	ug/ml		0.00
Standard Area 1 = 339901			Recovery = 100.00%				
83) IS2_Acenaphthene-d10	9.421	164	224537	4.000	ug/ml		0.00
Standard Area 1 = 224537			Recovery = 100.00%				
98) IS2_Phenanthrene-d10	10.859	188	484143	4.000	ug/ml	#	0.00
Standard Area 1 = 484143			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.636	105	103717	4.858	ug/ml		97
29) Acetophenone	6.736	105	181278	4.955	ug/ml	#	86
30) m-Toluidine	6.834	106	175658	4.711	ug/ml		94
31) 2-Chloroaniline	7.239	127	165433	4.818	ug/ml	#	94
56) a-Terpineol	7.739	59	95192	4.898	ug/ml	#	74
57) 3-Chloroaniline	7.754	65	59278	5.177	ug/ml		91
58) 2,6-Dichlorophenol	7.783	162	124670	5.102	ug/ml		96
59) 1-chloro-2-nitrobenzene	8.049	111	48879	5.061	ug/ml	#	1
60) Caprolactam	8.092	55	53572	4.159	ug/ml	#	76
61) 1,2,4,5-Tetrachloroben...	8.579	216	177963	4.894	ug/ml		98
62) Biphenyl	8.876	154	397660	4.827	ug/ml		98
84) Dichloran	10.558	206	34901	3.872	ug/ml	#	74
85) Pentachloronitrobenzene	10.713	237	41812	4.398	ug/ml	#	81
99) Diphenamid	11.765	167	243922	4.121	ug/ml	#	74

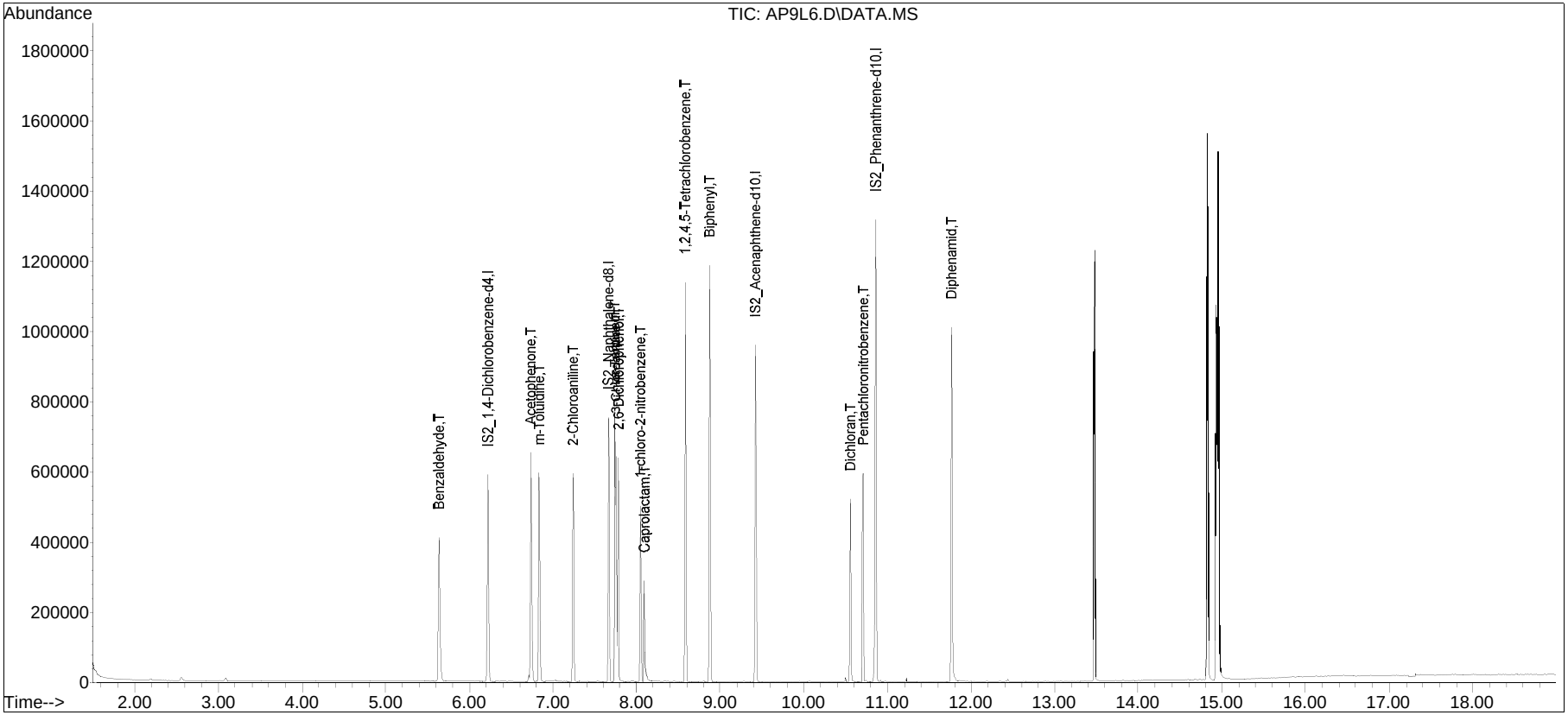
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L6.D
Acq On : 5 Mar 2025 6:20 am
Operator : SV107:mrg
Sample : IL5,32,,AP9L5 Lot# 11437
Misc : WG2037043
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 06 06:38:43 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:39:42 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L6.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 6:20 am	Instrument	: SV107
Sample	: IL5,32,,AP9L5 Lot# 11437	Quant Date	: 3/6/2025 6:39 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L5.D
Acq On : 5 Mar 2025 6:45 am
Operator : SV107:mrg
Sample : IL6,32,,AP9L2.5 Lot# 11438
Misc : WG2037043
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 05 14:52:07 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:52:48 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.222	152	96819	4.000	ug/ml	0.00
Standard Area 1 = 99449			Recovery = 97.36%			
55) IS2_Naphthalene-d8	7.660	136	336236	4.000	ug/ml	0.00
Standard Area 1 = 339901			Recovery = 98.92%			
83) IS2_Acenaphthene-d10	9.422	164	219721	4.000	ug/ml	0.00
Standard Area 1 = 224537			Recovery = 97.86%			
98) IS2_Phenanthrene-d10	10.859	188	470836	4.000	ug/ml	# 0.00
Standard Area 1 = 484143			Recovery = 97.25%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.636	105	47519	2.403	ug/ml	96
29) Acetophenone	6.736	105	82933	2.520	ug/ml#	87
30) m-Toluidine	6.841	106	76757	3.142	ug/ml	94
31) 2-Chloroaniline	7.240	127	77569	2.499	ug/ml#	93
56) a-Terpineol	7.740	59	42517	2.399	ug/ml#	72
57) 3-Chloroaniline	7.754	65	26033	2.423	ug/ml	92
58) 2,6-Dichlorophenol	7.783	162	54051	2.408	ug/ml	97
59) 1-chloro-2-nitrobenzene	8.049	111	21085	2.446	ug/ml#	1
60) Caprolactam	8.092	55	20989	2.519	ug/ml#	76
61) 1,2,4,5-Tetrachloroben...	8.579	216	81380	2.224	ug/ml	98
62) Biphenyl	8.876	154	182719	2.254	ug/ml	99
84) Dichloran	10.558	206	13243	2.336	ug/ml#	70
85) Pentachloronitrobenzene	10.706	237	15012	2.223	ug/ml#	80
99) Diphenamid	11.765	167	95397	2.571	ug/ml#	73

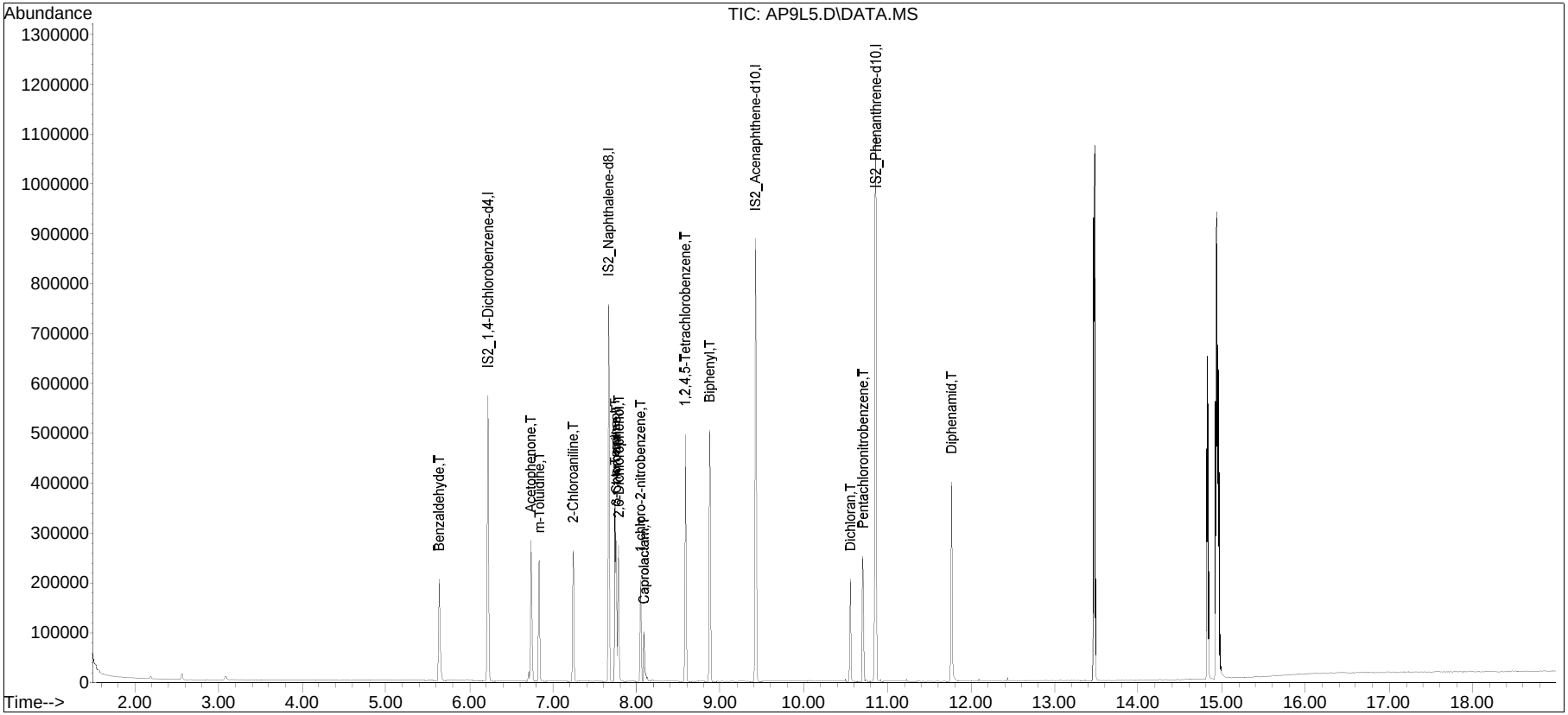
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L5.D
Acq On : 5 Mar 2025 6:45 am
Operator : SV107:mrg
Sample : IL6,32,,AP9L2.5 Lot# 11438
Misc : WG2037043
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 05 14:52:07 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:52:48 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L5.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 6:45 am	Instrument	: SV107
Sample	: IL6,32,,AP9L2.5 Lot# 11438	Quant Date	: 3/5/2025 2:52 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L4.D
Acq On : 5 Mar 2025 7:11 am
Operator : SV107:mrg
Sample : IL7,32,,AP9L1 Lot# 11439
Misc : WG2037043
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 05 14:51:36 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:52:10 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	101109	4.000	ug/ml		0.00
Standard Area 1 = 99449			Recovery = 101.67%				
55) IS2_Naphthalene-d8	7.660	136	352266	4.000	ug/ml		0.00
Standard Area 1 = 339901			Recovery = 103.64%				
83) IS2_Acenaphthene-d10	9.422	164	230540	4.000	ug/ml		0.00
Standard Area 1 = 224537			Recovery = 102.67%				
98) IS2_Phenanthrene-d10	10.859	188	472204	4.000	ug/ml	#	0.00
Standard Area 1 = 484143			Recovery = 97.53%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.644	105	20881	1.014	ug/ml		97
29) Acetophenone	6.744	105	36166M6	1.066	ug/ml		
30) m-Toluidine	6.842	106	29455	1.217	ug/ml		95
31) 2-Chloroaniline	7.247	127	33068	1.025	ug/ml	#	93
56) a-Terpineol	7.740	59	17669	0.940	ug/ml	#	71
57) 3-Chloroaniline	7.754	65	11302	1.005	ug/ml		92
58) 2,6-Dichlorophenol	7.783	162	22549	0.949	ug/ml		96
59) 1-chloro-2-nitrobenzene	8.049	111	8757	0.962	ug/ml	#	1
60) Caprolactam	8.092	55	8352	0.946	ug/ml	#	80
61) 1,2,4,5-Tetrachloroben...	8.579	216	37067	0.959	ug/ml		98
62) Biphenyl	8.876	154	83595	0.981	ug/ml		97
84) Dichloran	10.558	206	5455	0.899	ug/ml	#	68
85) Pentachloronitrobenzene	10.706	237	6862	0.961	ug/ml	#	81
99) Diphenamid	11.765	167	35942	0.958	ug/ml	#	74

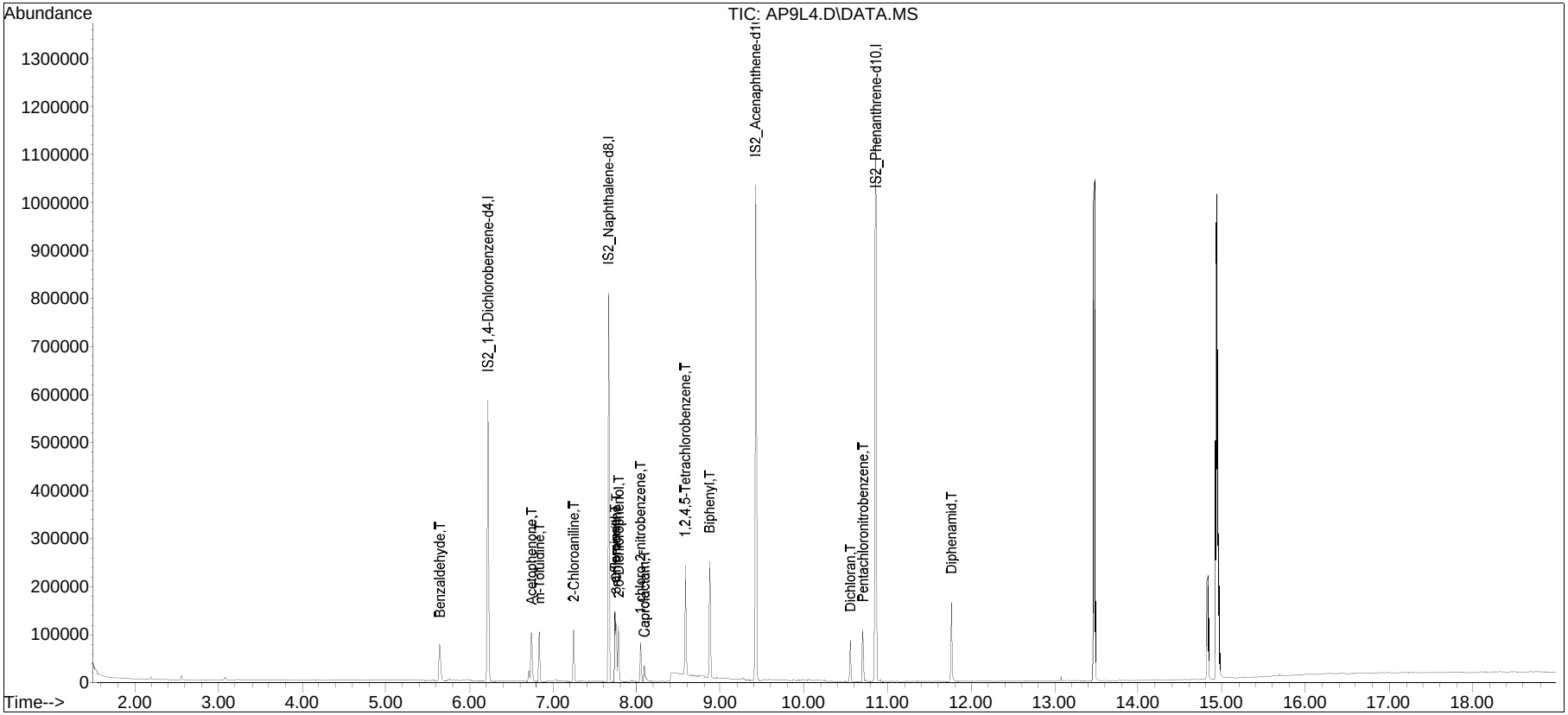
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L4.D
Acq On : 5 Mar 2025 7:11 am
Operator : SV107:mrg
Sample : IL7,32,,AP9L1 Lot# 11439
Misc : WG2037043
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 05 14:51:36 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:52:10 2025
Response via : Initial Calibration

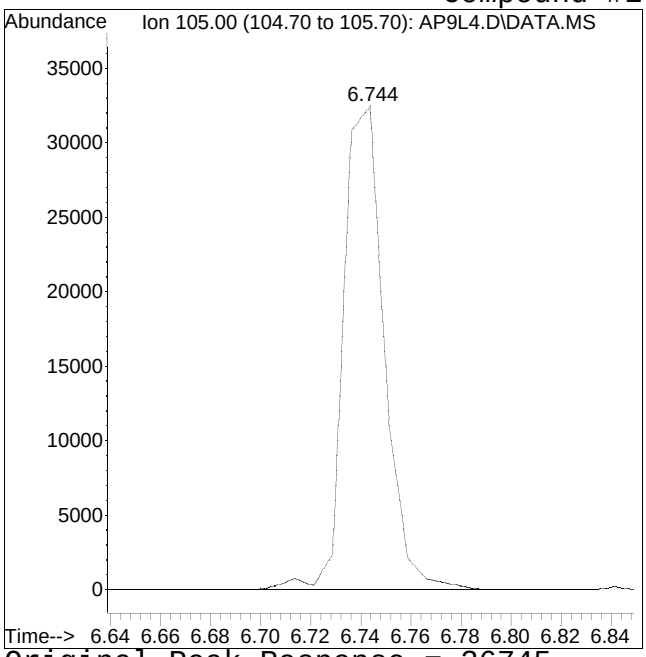
Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



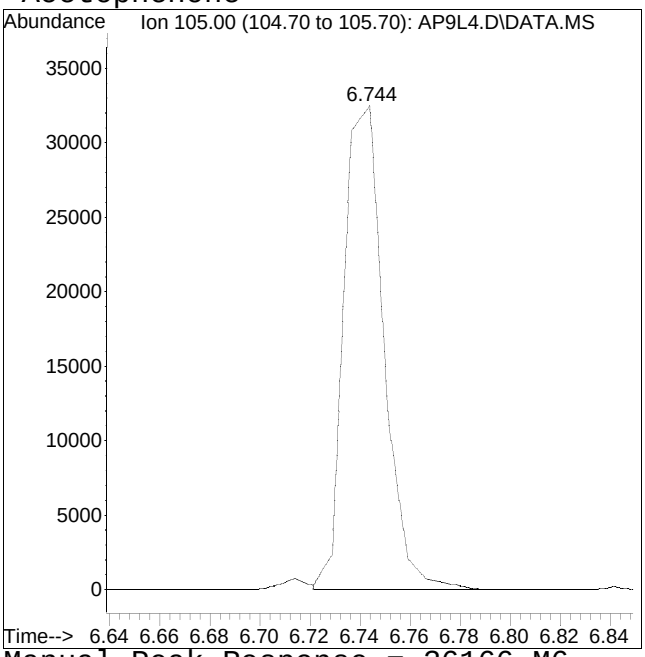
Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L4.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 7:11 am	Instrument	: SV107
Sample	: IL7,32,,AP9L1 Lot# 11439	Quant Date	: 3/5/2025 2:52 pm

Compound #29: Acetophenone



Original Peak Response = 36745



Manual Peak Response = 36166 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L3.D
Acq On : 5 Mar 2025 7:36 am
Operator : SV107:mrg
Sample : IL8,32,,AP9L0.5 Lot# 11440
Misc : WG2037043
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 05 14:50:58 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:51:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	103240	4.000	ug/ml		0.00
Standard Area 1 = 99449			Recovery = 103.81%				
55) IS2_Naphthalene-d8	7.660	136	345883	4.000	ug/ml		0.00
Standard Area 1 = 339901			Recovery = 101.76%				
83) IS2_Acenaphthene-d10	9.421	164	214577	4.000	ug/ml		0.00
Standard Area 1 = 224537			Recovery = 95.56%				
98) IS2_Phenanthrene-d10	10.859	188	433814	4.000	ug/ml	#	0.00
Standard Area 1 = 484143			Recovery = 89.60%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.644	105	11655	0.575	ug/ml		98
29) Acetophenone	6.744	105	20571	0.634	ug/ml	#	87
30) m-Toluidine	6.841	106	13958	0.604	ug/ml		94
31) 2-Chloroaniline	7.247	127	17848	0.558	ug/ml		95
56) a-Terpineol	7.739	59	9611	0.528	ug/ml	#	62
57) 3-Chloroaniline	7.761	65	6130	0.577	ug/ml		84
58) 2,6-Dichlorophenol	7.783	162	12375	0.542	ug/ml		95
59) 1-chloro-2-nitrobenzene	8.049	111	4980	0.579	ug/ml	#	1
60) Caprolactam	8.099	55	4054	0.458	ug/ml	#	73
61) 1,2,4,5-Tetrachloroben...	8.579	216	20921	0.571	ug/ml		97
62) Biphenyl	8.876	154	44613	0.545	ug/ml		100
84) Dichloran	10.558	206	2629	0.455	ug/ml	#	64
85) Pentachloronitrobenzene	10.713	237	2873	0.413	ug/ml	#	81
99) Diphenamid	11.765	167	16359	0.467	ug/ml	#	71

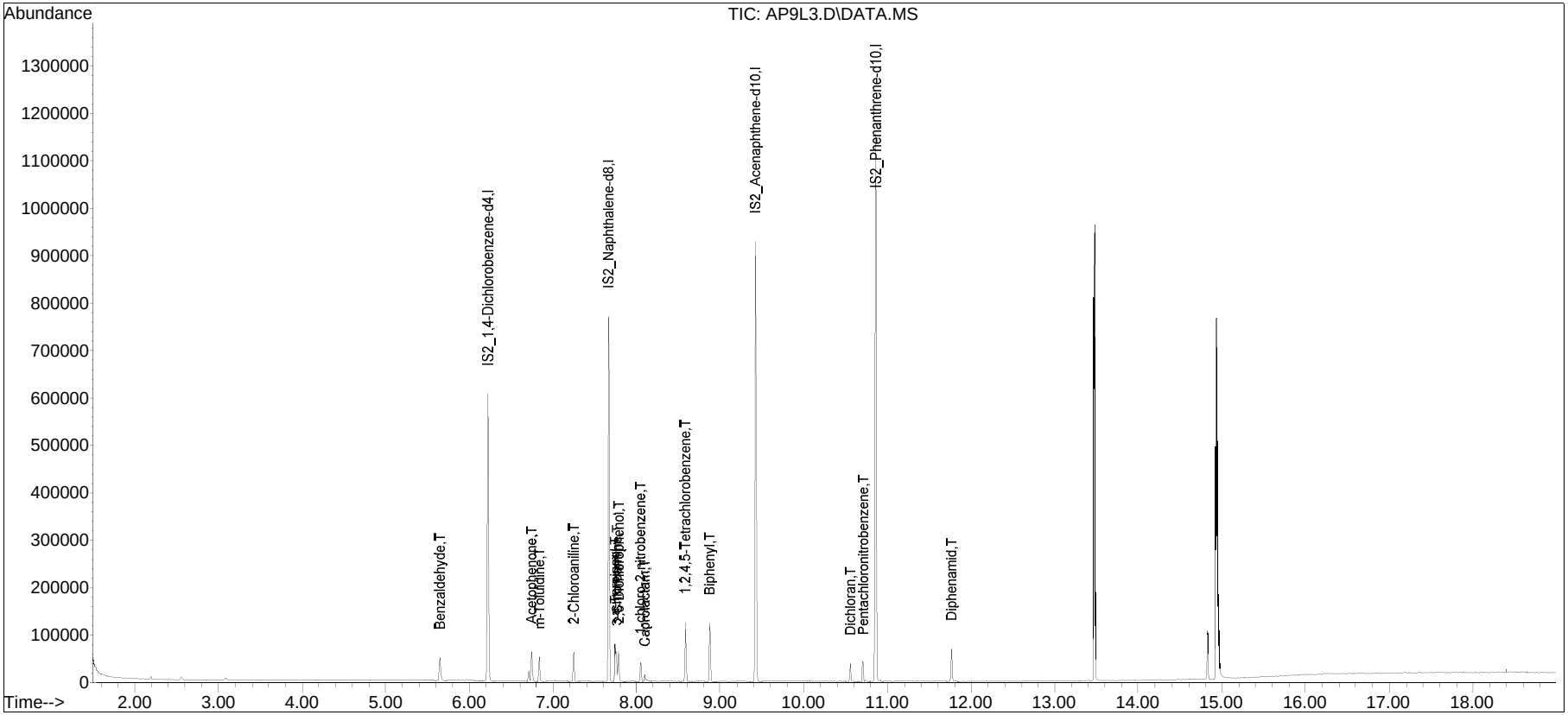
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L3.D
Acq On : 5 Mar 2025 7:36 am
Operator : SV107:mrg
Sample : IL8,32,,AP9L0.5 Lot# 11440
Misc : WG2037043
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 05 14:50:58 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:51:38 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L3.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 7:36 am	Instrument	: SV107
Sample	: IL8,32,,AP9L0.5 Lot# 11440	Quant Date	: 3/5/2025 2:51 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L2.D
Acq On : 5 Mar 2025 8:02 am
Operator : SV107:mrg
Sample : IL9,32,,AP9L0.2 Lot# 11441
Misc : WG2037043
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 05 14:50:24 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:50:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	104224	4.000	ug/ml		0.00
Standard Area 1 = 99449			Recovery = 104.80%				
55) IS2_Naphthalene-d8	7.660	136	345288	4.000	ug/ml		0.00
Standard Area 1 = 339901			Recovery = 101.58%				
83) IS2_Acenaphthene-d10	9.421	164	212664	4.000	ug/ml		0.00
Standard Area 1 = 224537			Recovery = 94.71%				
98) IS2_Phenanthrene-d10	10.859	188	443843	4.000	ug/ml	#	0.00
Standard Area 1 = 484143			Recovery = 91.68%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.644	105	3751	0.176	ug/ml		94
29) Acetophenone	6.744	105	5758	0.166	ug/ml		92
30) m-Toluidine	6.841	106	1966	0.053	ug/ml	#	95
31) 2-Chloroaniline	7.247	127	5627	0.164	ug/ml	#	93
56) a-Terpineol	7.739	59	3213	0.167	ug/ml	#	82
57) 3-Chloroaniline	7.761	65	1865	0.166	ug/ml		90
58) 2,6-Dichlorophenol	7.783	162	3792	0.153	ug/ml		94
59) 1-chloro-2-nitrobenzene	8.056	111	1336	0.140	ug/ml	#	1
60) Caprolactam	8.114	55	1666	0.183	ug/ml	#	77
61) 1,2,4,5-Tetrachloroben...	8.579	216	6735	0.177	ug/ml		98
62) Biphenyl	8.876	154	14413	0.167	ug/ml		99
84) Dichloran	10.558	206	815	0.124	ug/ml	#	64
85) Pentachloronitrobenzene	10.706	237	845	0.103	ug/ml	#	82
99) Diphenamid	11.765	167	5319	0.131	ug/ml	#	69

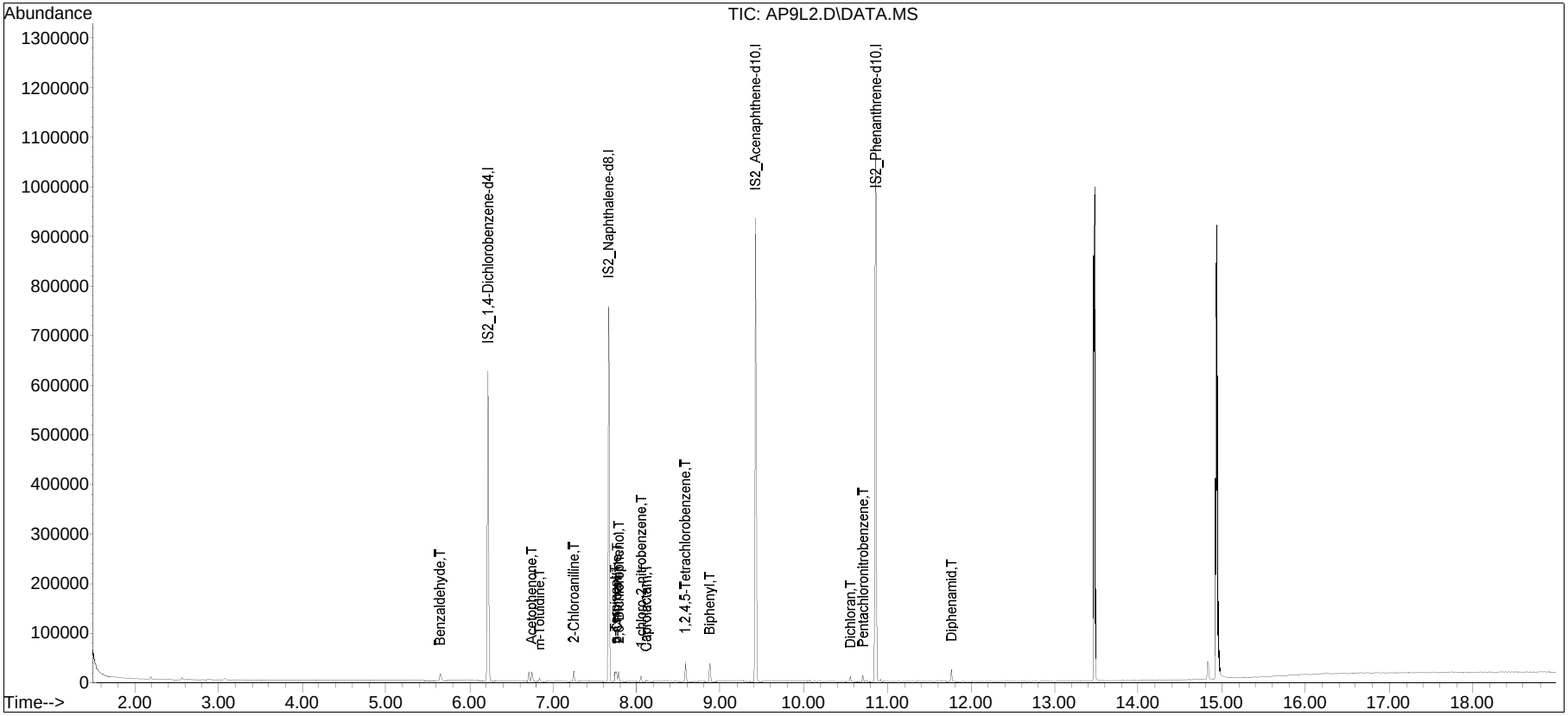
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L2.D
Acq On : 5 Mar 2025 8:02 am
Operator : SV107:mrg
Sample : IL9,32,,AP9L0.2 Lot# 11441
Misc : WG2037043
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 05 14:50:24 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:50:45 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9L2.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 8:02 am	Instrument	: SV107
Sample	: IL9,32,,AP9L0.2 Lot# 11441	Quant Date	: 3/5/2025 2:50 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L1.D
Acq On : 5 Mar 2025 8:27 am
Operator : SV107:mrg
Sample : IL10,32,,AP9L0.1 Lot# 11442
Misc : WG2037043
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 05 14:49:32 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:49:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.222	152	88434	4.000 ug/ml	0.00
Standard Area 1 = 99449			Recovery = 88.92%		
55) IS2_Naphthalene-d8	7.660	136	308332	4.000 ug/ml	0.00
Standard Area 1 = 339901			Recovery = 90.71%		
83) IS2_Acenaphthene-d10	9.421	164	193994	4.000 ug/ml	0.00
Standard Area 1 = 224537			Recovery = 86.40%		
98) IS2_Phenanthrene-d10	10.859	188	415539	4.000 ug/ml	# 0.00
Standard Area 1 = 484143			Recovery = 85.83%		
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	5.653	105	1771	0.096 ug/ml#	79
29) Acetophenone	6.751	105	2677	0.083 ug/ml#	81
30) m-Toluidine	0.000		0	N.D.	
31) 2-Chloroaniline	7.247	127	2895	0.098 ug/ml#	90
56) a-Terpineol	7.739	59	1703	0.099 ug/ml#	67
57) 3-Chloroaniline	7.761	65	935	0.087 ug/ml	89
58) 2,6-Dichlorophenol	7.783	162	2155	0.095 ug/ml	94
59) 1-chloro-2-nitrobenzene	8.056	111	815	0.092 ug/ml#	1
60) Caprolactam	8.121	55	651M6	0.067 ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.579	216	3571	0.111 ug/ml#	94
62) Biphenyl	8.876	154	8240	0.114 ug/ml	96
84) Dichloran	10.558	206	593	0.098 ug/ml#	52
85) Pentachloronitrobenzene	10.713	237	777	0.108 ug/ml#	34
99) Diphenamid	11.765	167	3400	0.081 ug/ml#	78

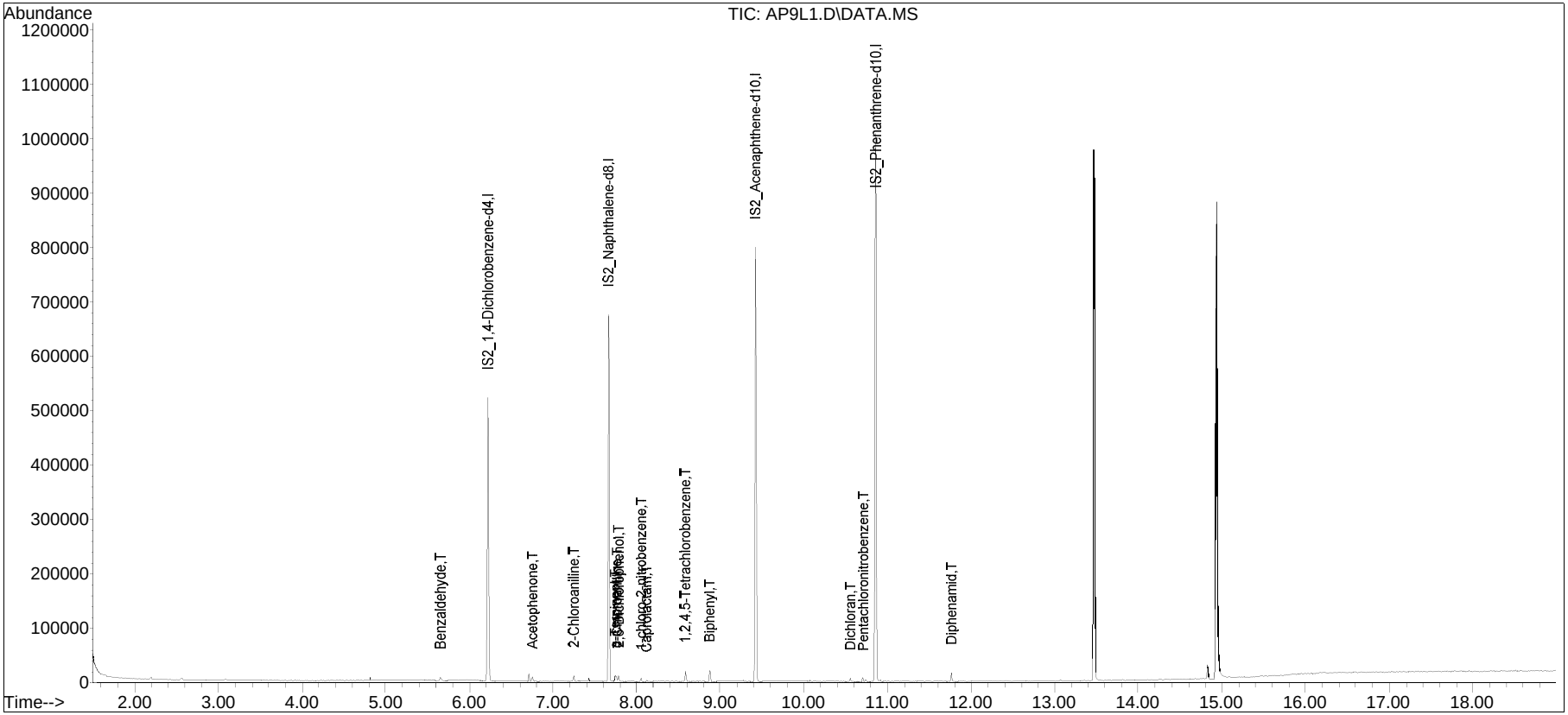
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9L1.D
Acq On : 5 Mar 2025 8:27 am
Operator : SV107:mrg
Sample : IL10,32,,AP9L0.1 Lot# 11442
Misc : WG2037043
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 05 14:49:32 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:49:32 2025
Response via : Initial Calibration

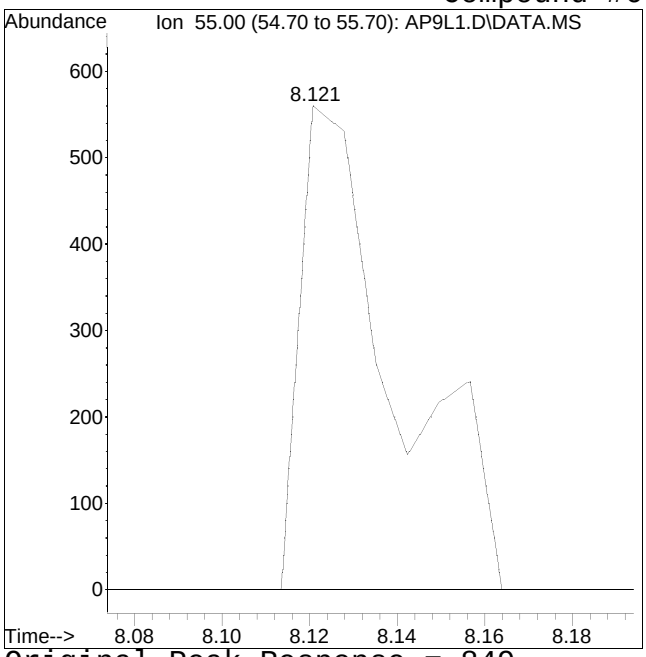
Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•



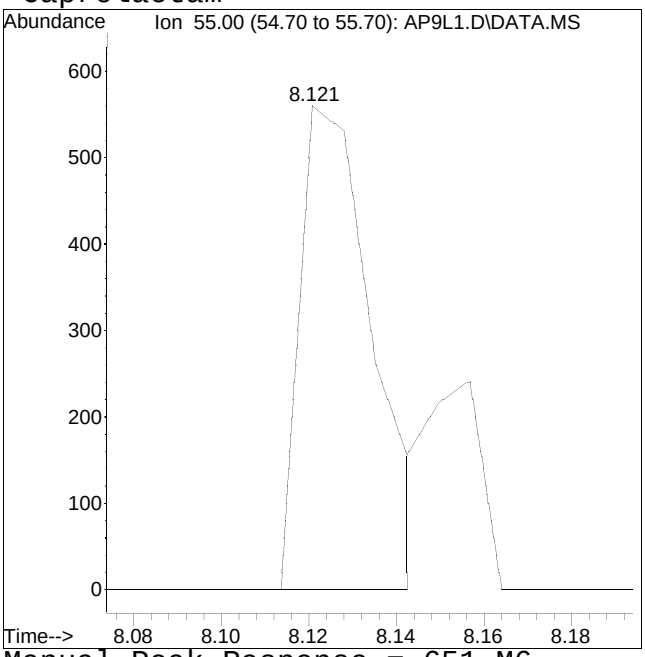
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : AP9L1.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 8:27 am Instrument : SV107
Sample : IL10,32,,AP9L0.1 Lot# 1144 Quant Date : 3/5/2025 2:50 pm

Compound #60: Caprolactam



Original Peak Response = 849



Manual Peak Response = 651 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL9.D
Acq On : 5 Mar 2025 8:53 am
Operator : SV107:mrg
Sample : IL2,32,,ADPL50 Lot# 11443
Misc : WG2037043
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 05 14:47:02 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	87780	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 91.29%			
86) IS3_Acenaphthene-d10	9.422	164	201641	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 100.93%			
100) IS3_Phenanthrene-d10	10.859	188	481248	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 105.07%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.660	88	525233	45.322	ug/ml#	74
34) n-Decane	6.120	57	1663581	53.347	ug/ml#	46
87) Atrazine	10.648	200	1520240	37.159	ug/ml	95
101) n-Octadecane	10.845	57	2662155	60.161	ug/ml#	1
102) Parathion	11.655	109	735890	36.575	ug/ml	94
103) 3,3'-Dimethylbenzidine	12.926	212	5173945	34.727	ug/ml	96

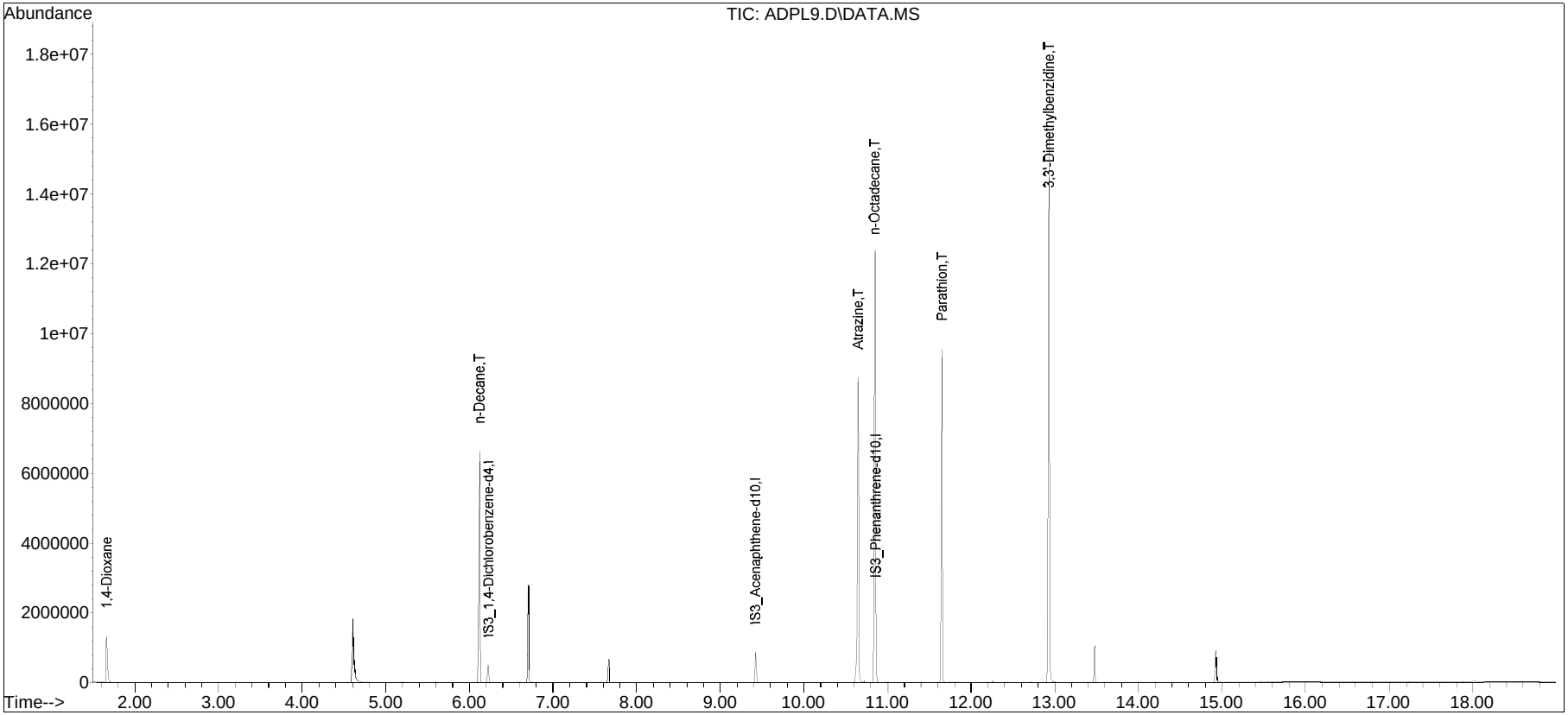
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL9.D
Acq On : 5 Mar 2025 8:53 am
Operator : SV107:mrg
Sample : IL2,32,,ADPL50 Lot# 11443
Misc : WG2037043
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 05 14:47:02 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL9.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 8:53 am	Instrument	: SV107
Sample	: IL2,32,,ADPL50 Lot# 11443	Quant Date	: 3/5/2025 2:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL8.D
Acq On : 5 Mar 2025 9:19 am
Operator : SV107:mrg
Sample : IL3,32,,ADPL25 Lot# 11444
Misc : WG2037043
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 14:46:26 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	90505	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 94.12%			
86) IS3_Acenaphthene-d10	9.421	164	202847	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 101.54%			
100) IS3_Phenanthrene-d10	10.859	188	486496	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 106.21%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.660	88	307580	25.742	ug/ml#	73
34) n-Decane	6.120	57	971143	30.204	ug/ml#	45
87) Atrazine	10.647	200	826748	24.982	ug/ml	94
101) n-Octadecane	10.845	57	1547857	34.602	ug/ml#	1
102) Parathion	11.648	109	381567	25.021	ug/ml	95
103) 3,3'-Dimethylbenzidine	12.926	212	3055117	24.942	ug/ml	97

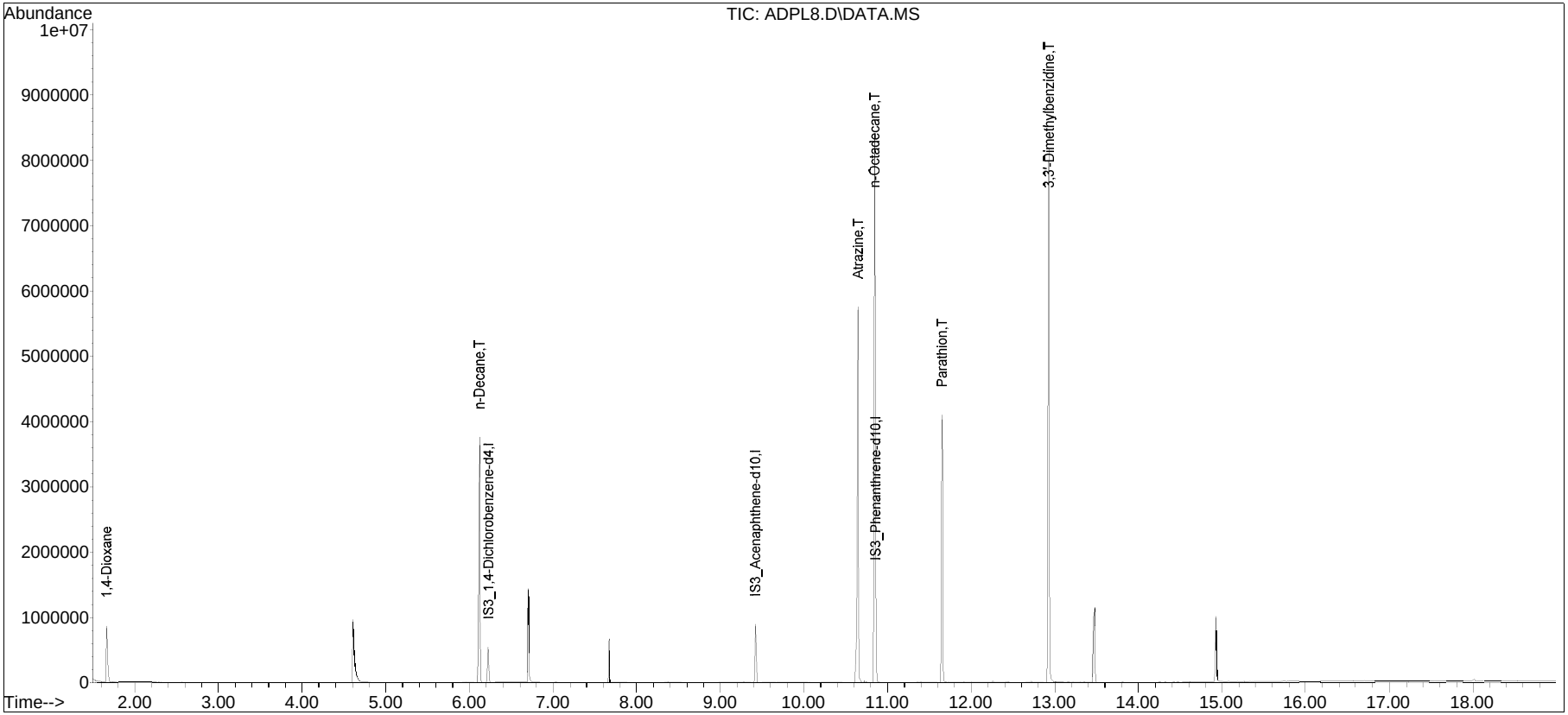
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL8.D
Acq On : 5 Mar 2025 9:19 am
Operator : SV107:mrg
Sample : IL3,32,,ADPL25 Lot# 11444
Misc : WG2037043
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 05 14:46:26 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL8.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 9:19 am	Instrument	: SV107
Sample	: IL3,32,,ADPL25 Lot# 11444	Quant Date	: 3/5/2025 2:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL7.D
Acq On : 5 Mar 2025 9:44 am
Operator : SV107:mrg
Sample : IL4,32,,ADPL10 Lot# 11445
Misc : WG2037043
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 05 14:46:14 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	94182	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 97.94%			
86) IS3_Acenaphthene-d10	9.421	164	200341	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 100.28%			
100) IS3_Phenanthrene-d10	10.859	188	462174	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 100.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.660	88	102343	8.231	ug/ml#	74
34) n-Decane	6.120	57	324416	9.696	ug/ml#	44
87) Atrazine	10.640	200	232045	10.104	ug/ml	96
101) n-Octadecane	10.845	57	467029	10.990	ug/ml#	1
102) Parathion	11.648	109	81068	9.908	ug/ml	94
103) 3,3'-Dimethylbenzidine	12.918	212	784798	10.339	ug/ml	98

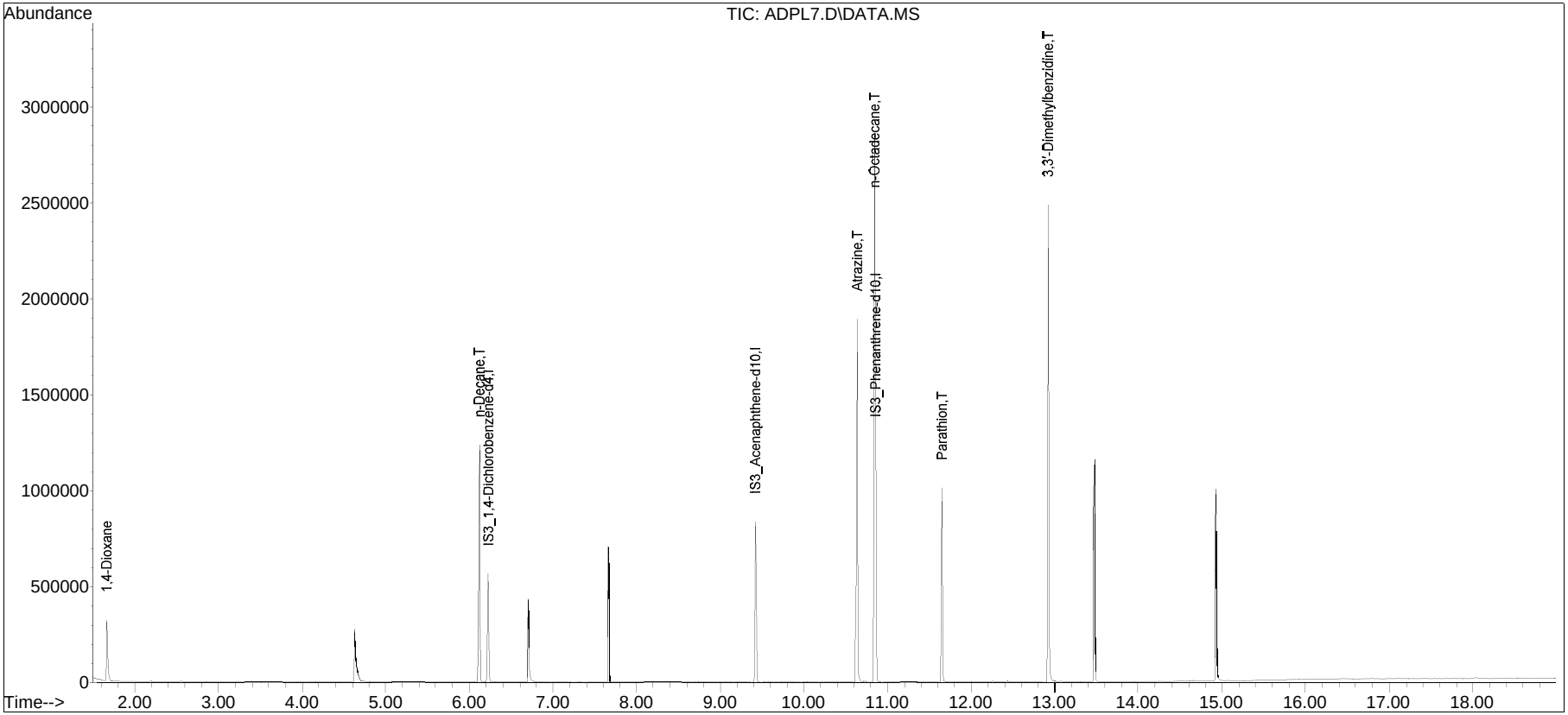
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL7.D
Acq On : 5 Mar 2025 9:44 am
Operator : SV107:mrg
Sample : IL4,32,,ADPL10 Lot# 11445
Misc : WG2037043
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 05 14:46:14 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL7.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 9:44 am	Instrument	: SV107
Sample	: IL4,32,,ADPL10 Lot# 11445	Quant Date	: 3/5/2025 2:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL6.D
Acq On : 5 Mar 2025 10:10 am
Operator : SV107:mrg
Sample : IL5,32,,ADPL5 Lot# 11446
Misc : WG2037043
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 05 14:46:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.222	152	96160	4.000	ug/ml		0.00
Standard Area 1 = 96160			Recovery =	100.00%			
86) IS3_Acenaphthene-d10	9.421	164	199777	4.000	ug/ml		0.00
Standard Area 1 = 199777			Recovery =	100.00%			
100) IS3_Phenanthrene-d10	10.859	188	458036	4.000	ug/ml	#	0.00
Standard Area 1 = 458036			Recovery =	100.00%			
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.660	88	54408	4.286	ug/ml	#	75
34) n-Decane	6.120	57	161008	4.713	ug/ml	#	44
87) Atrazine	10.640	200	97065	4.961	ug/ml		95
101) n-Octadecane	10.844	57	212010	5.034	ug/ml	#	1
102) Parathion	11.648	109	29950	4.924	ug/ml	#	94
103) 3,3'-Dimethylbenzidine	12.918	212	289074	4.896	ug/ml		98

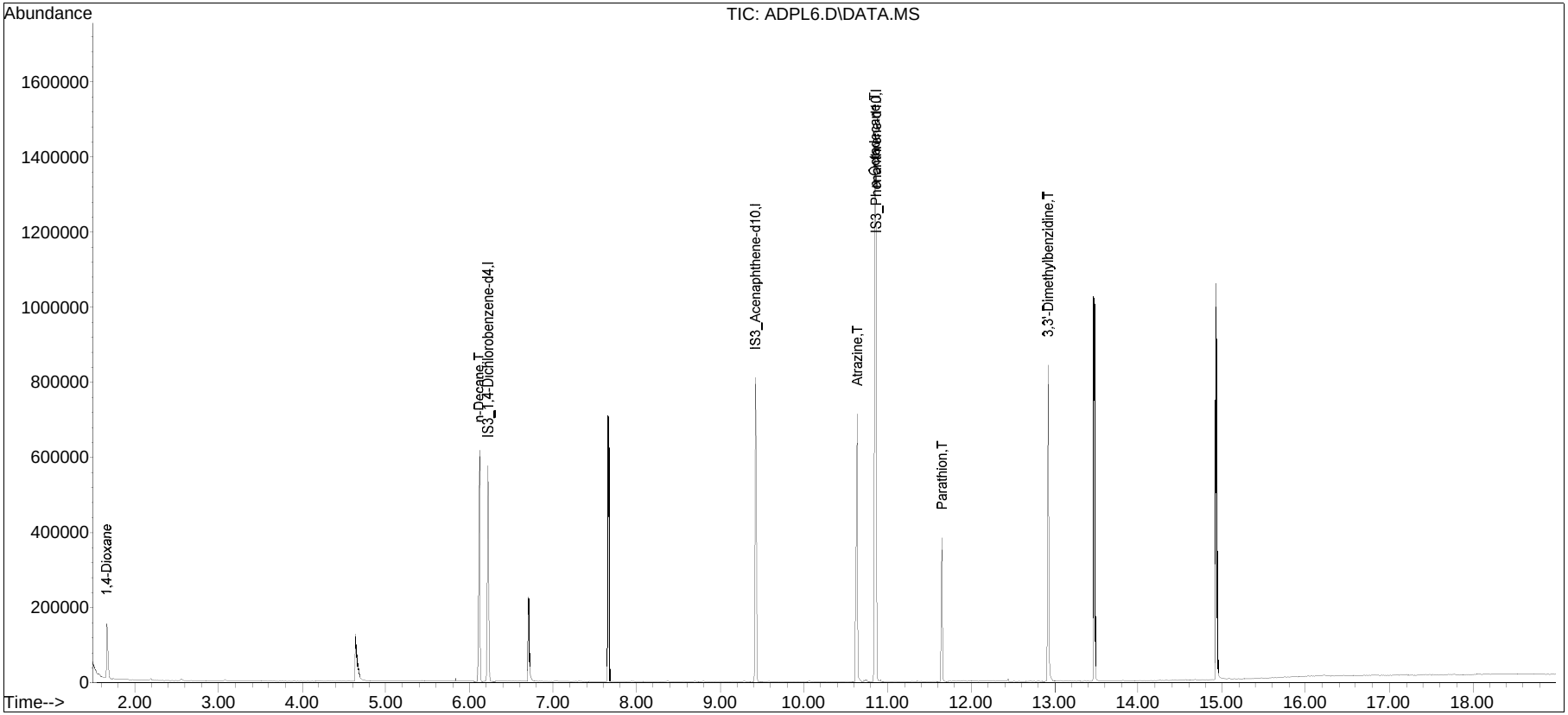
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL6.D
Acq On : 5 Mar 2025 10:10 am
Operator : SV107:mrg
Sample : IL5,32,,ADPL5 Lot# 11446
Misc : WG2037043
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 05 14:46:01 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL6.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 10:10 am	Instrument	: SV107
Sample	: IL5,32,,ADPL5 Lot# 11446	Quant Date	: 3/5/2025 2:46 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL5.D
Acq On : 5 Mar 2025 10:35 am
Operator : SV107:mrg
Sample : IL6,32,,ADPL2.5 Lot# 11447
Misc : WG2037043
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 05 14:45:50 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	92520	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 96.21%			
86) IS3_Acenaphthene-d10	9.421	164	200673	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 100.45%			
100) IS3_Phenanthrene-d10	10.859	188	462662	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 101.01%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.667	88	24431	2.000	ug/ml#	75
34) n-Decane	6.120	57	69668	2.120	ug/ml#	43
87) Atrazine	10.640	200	43345	2.405	ug/ml	96
101) n-Octadecane	10.845	57	87117	2.048	ug/ml#	1
102) Parathion	11.648	109	12968	2.489	ug/ml#	93
103) 3,3'-Dimethylbenzidine	12.918	212	106798	2.196	ug/ml	99

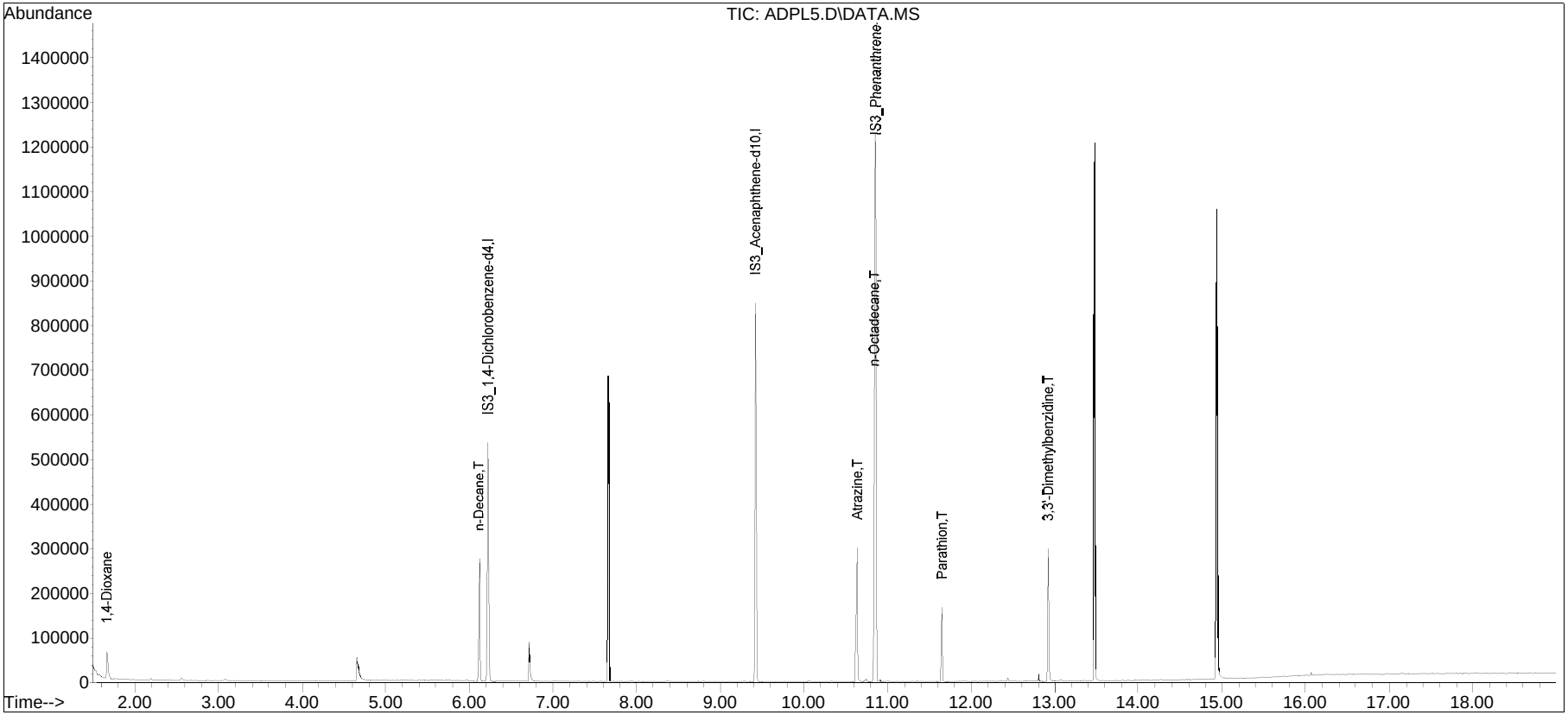
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL5.D
Acq On : 5 Mar 2025 10:35 am
Operator : SV107:mrg
Sample : IL6,32,,ADPL2.5 Lot# 11447
Misc : WG2037043
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 05 14:45:50 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL5.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 10:35 am	Instrument	: SV107
Sample	: IL6,32,,ADPL2.5 Lot# 11447	Quant Date	: 3/5/2025 2:46 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL4.D
Acq On : 5 Mar 2025 11:01 am
Operator : SV107:mrg
Sample : IL7,32,,ADPL1 Lot# 11448
Misc : WG2037043
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 05 14:45:36 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.222	152	94246	4.000	ug/ml		0.00
Standard Area 1 = 96160			Recovery = 98.01%				
86) IS3_Acenaphthene-d10	9.421	164	200424	4.000	ug/ml		0.00
Standard Area 1 = 199777			Recovery = 100.32%				
100) IS3_Phenanthrene-d10	10.859	188	439809	4.000	ug/ml	#	0.00
Standard Area 1 = 458036			Recovery = 96.02%				
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.667	88	12515	1.006	ug/ml	#	78
34) n-Decane	6.120	57	33053	0.987	ug/ml	#	43
87) Atrazine	10.640	200	18322	1.063	ug/ml		97
101) n-Octadecane	10.844	57	35883	0.887	ug/ml	#	1
102) Parathion	11.648	109	5493	1.190	ug/ml	#	95
103) 3,3'-Dimethylbenzidine	12.918	212	33881	0.967	ug/ml		99

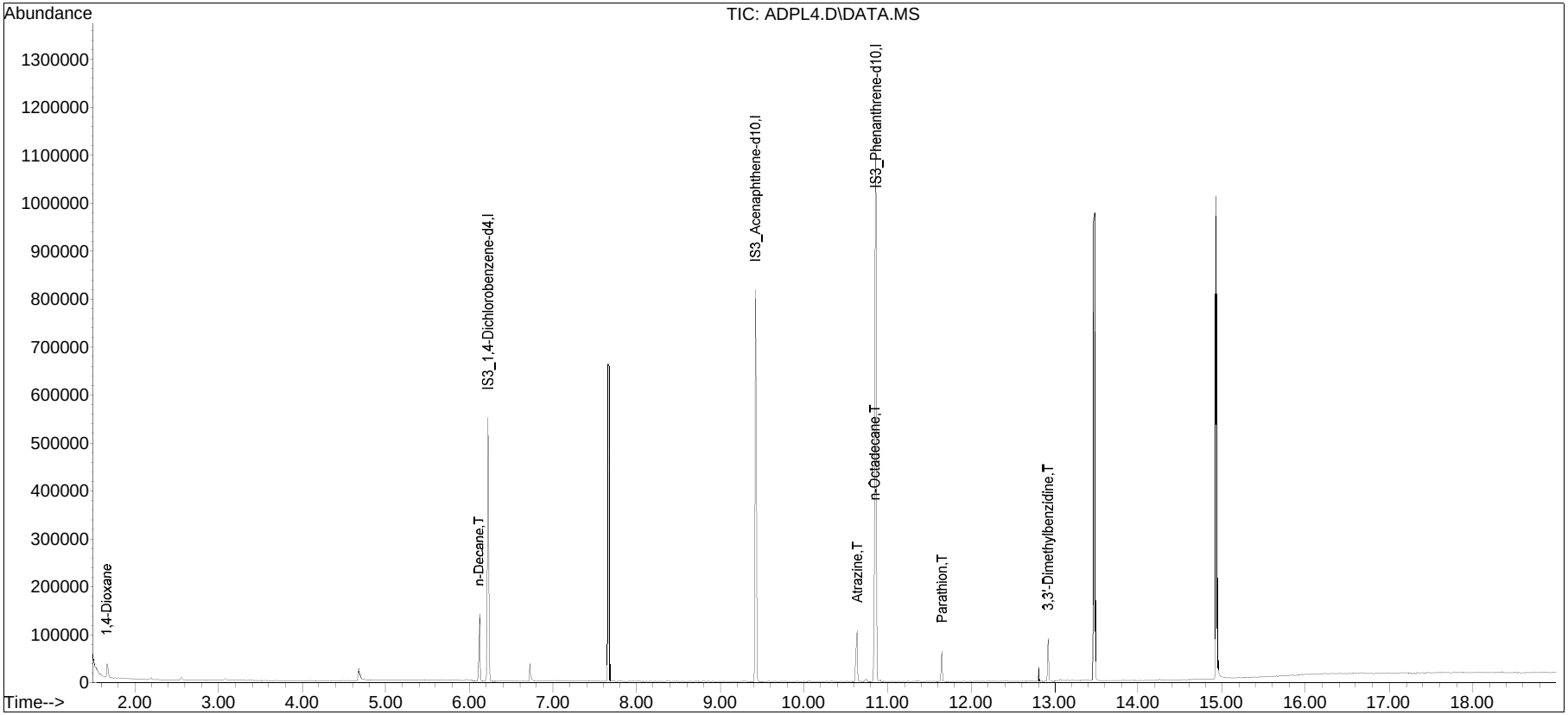
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL4.D
Acq On : 5 Mar 2025 11:01 am
Operator : SV107:mrg
Sample : IL7,32,,ADPL1 Lot# 11448
Misc : WG2037043
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 05 14:45:36 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL4.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 11:01 am	Instrument	: SV107
Sample	: IL7,32,,ADPL1 Lot# 11448	Quant Date	: 3/5/2025 2:46 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL3.D
Acq On : 5 Mar 2025 11:27 am
Operator : SV107:mrg
Sample : IL8,32,,ADPL0.5 Lot# 11449
Misc : WG2037043
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 05 14:45:24 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	94373	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 98.14%			
86) IS3_Acenaphthene-d10	9.421	164	194402	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 97.31%			
100) IS3_Phenanthrene-d10	10.855	188	422022	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 92.14%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.674	88	6586M6	0.529	ug/ml	
34) n-Decane	6.120	57	17508	0.522	ug/ml#	42
87) Atrazine	10.636	200	7848	0.473	ug/ml	93
101) n-Octadecane	10.848	57	16788	0.433	ug/ml#	1
102) Parathion	11.644	109	2870	0.637	ug/ml#	91
103) 3,3'-Dimethylbenzidine	12.914	212	13412	0.575	ug/ml	100

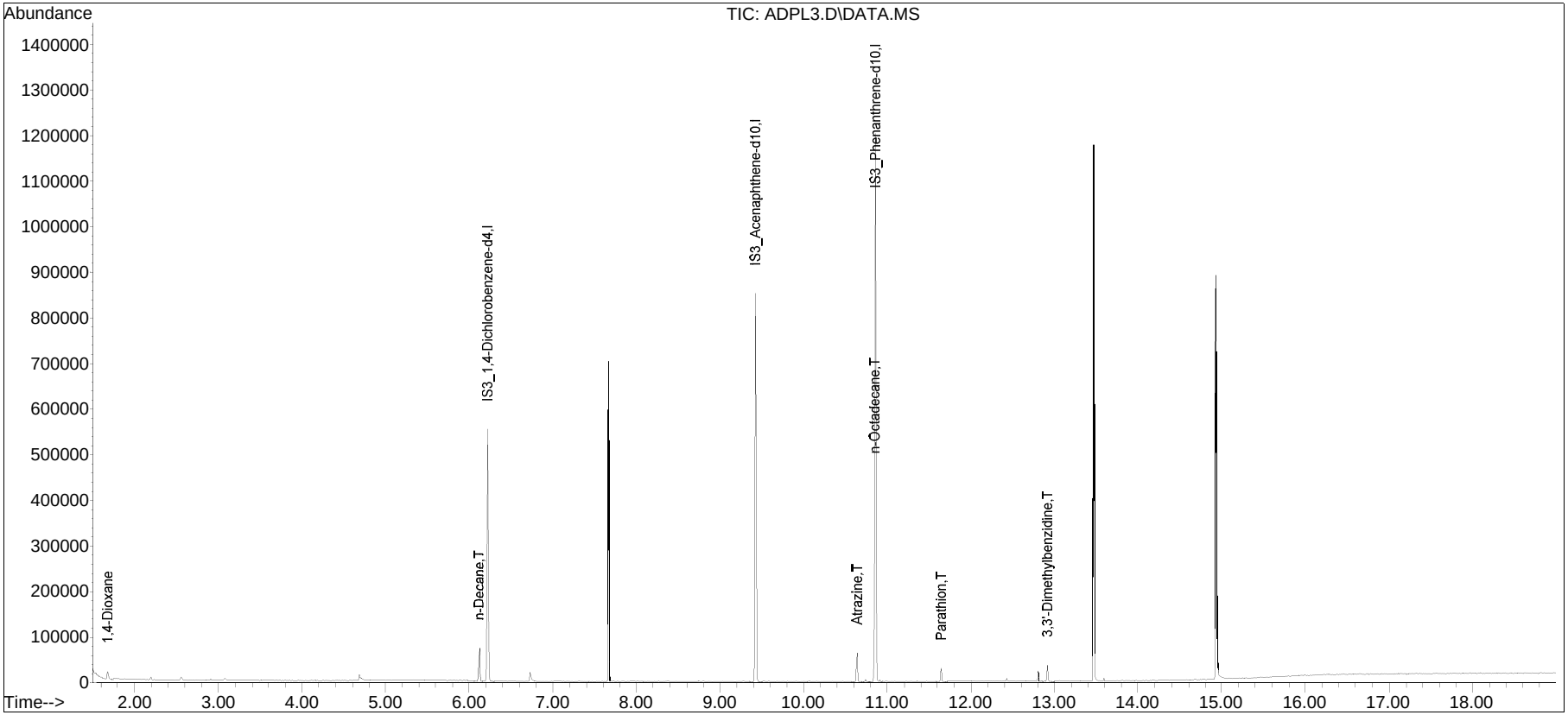
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL3.D
Acq On : 5 Mar 2025 11:27 am
Operator : SV107:mrg
Sample : IL8,32,,ADPL0.5 Lot# 11449
Misc : WG2037043
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 05 14:45:24 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

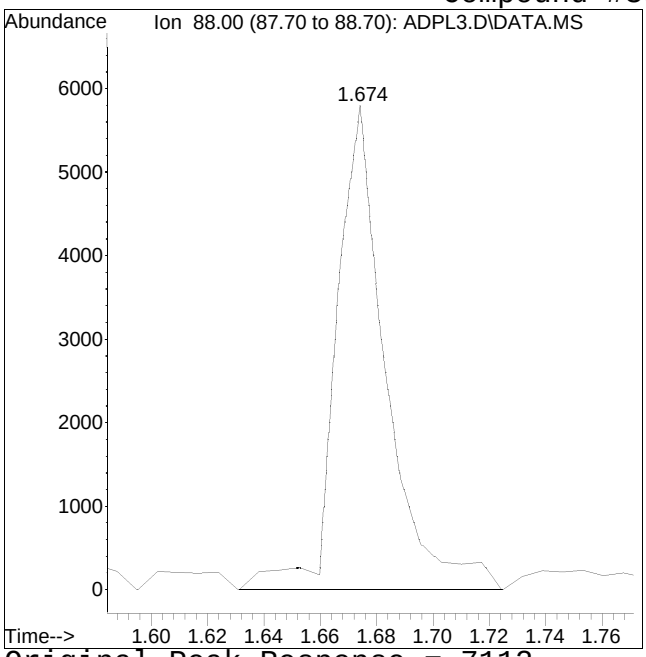
Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



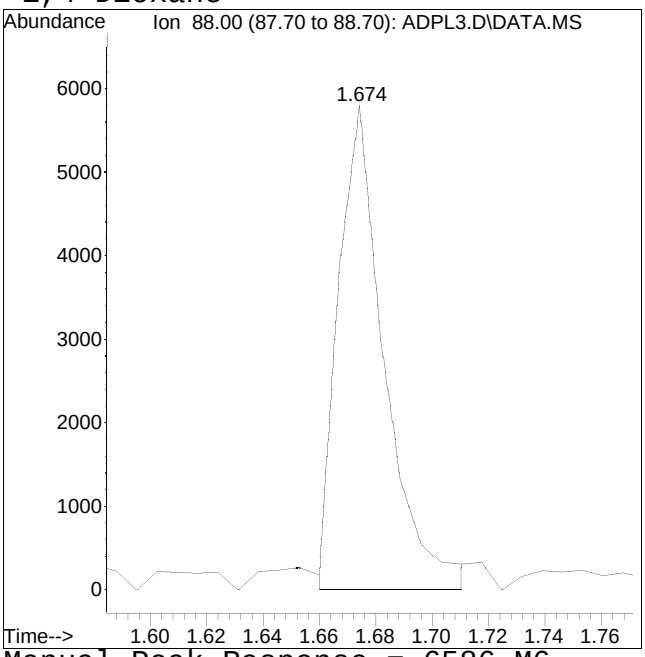
Manual Integration Report

Data Path : I:\8270\SV107\250304ical\ QMethod : FS250303SV107RVT.m
Data File : ADPL3.D Operator : SV107:mrg
Date Inj'd : 3/5/2025 11:27 am Instrument : SV107
Sample : IL8,32,,ADPL0.5 Lot# 11449 Quant Date : 3/5/2025 2:46 pm

Compound #33: 1,4-Dioxane



Original Peak Response = 7112



Manual Peak Response = 6586 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL2.D
Acq On : 5 Mar 2025 11:52 am
Operator : SV107:mrg
Sample : IL9,32,,ADPL0.2 Lot# 11450
Misc : WG2037043
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 05 14:45:14 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.222	152	92446	4.000	ug/ml		0.00
Standard Area 1 = 96160			Recovery = 96.14%				
86) IS3_Acenaphthene-d10	9.421	164	194281	4.000	ug/ml		0.00
Standard Area 1 = 199777			Recovery = 97.25%				
100) IS3_Phenanthrene-d10	10.859	188	428478	4.000	ug/ml	#	0.00
Standard Area 1 = 458036			Recovery = 93.55%				
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.681	88	3049	0.250	ug/ml		97
34) n-Decane	6.120	57	5863	0.179	ug/ml	#	42
87) Atrazine	10.640	200	3182	0.187	ug/ml		97
101) n-Octadecane	10.845	57	6140	0.156	ug/ml	#	1
102) Parathion	11.648	109	1035	0.168	ug/ml	#	79
103) 3,3'-Dimethylbenzidine	12.918	212	943	0.311	ug/ml	#	62

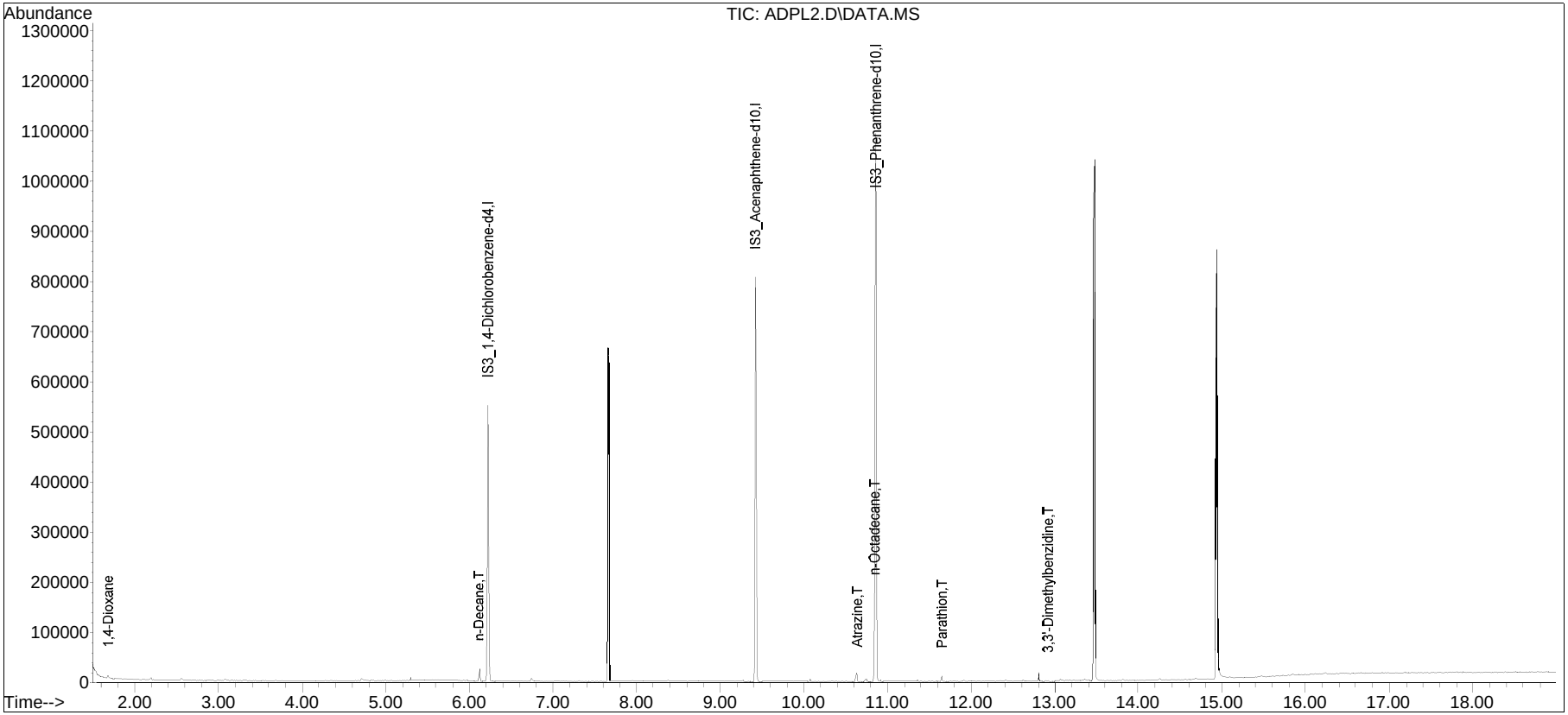
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL2.D
Acq On : 5 Mar 2025 11:52 am
Operator : SV107:mrg
Sample : IL9,32,,ADPL0.2 Lot# 11450
Misc : WG2037043
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 05 14:45:14 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL2.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 11:52 am	Instrument	: SV107
Sample	: IL9,32,,ADPL0.2 Lot# 11450	Quant Date	: 3/5/2025 2:46 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL1.D
Acq On : 5 Mar 2025 12:18 pm
Operator : SV107:mrg
Sample : IL10,32,,ADPL0.1 Lot# 11451
Misc : WG2037043
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 05 14:45:02 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.222	152	93407	4.000	ug/ml	0.00
Standard Area 1 = 96160			Recovery = 97.14%			
86) IS3_Acenaphthene-d10	9.421	164	198754	4.000	ug/ml	0.00
Standard Area 1 = 199777			Recovery = 99.49%			
100) IS3_Phenanthrene-d10	10.859	188	412623	4.000	ug/ml	# 0.00
Standard Area 1 = 458036			Recovery = 90.09%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.681	88	1568	0.127	ug/ml	96
34) n-Decane	6.120	57	3453	0.104	ug/ml#	43
87) Atrazine	10.640	200	1990	0.109	ug/ml	98
101) n-Octadecane	10.845	57	3627	0.096	ug/ml#	1
102) Parathion	11.648	109	637	0.069	ug/ml#	67
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	d	

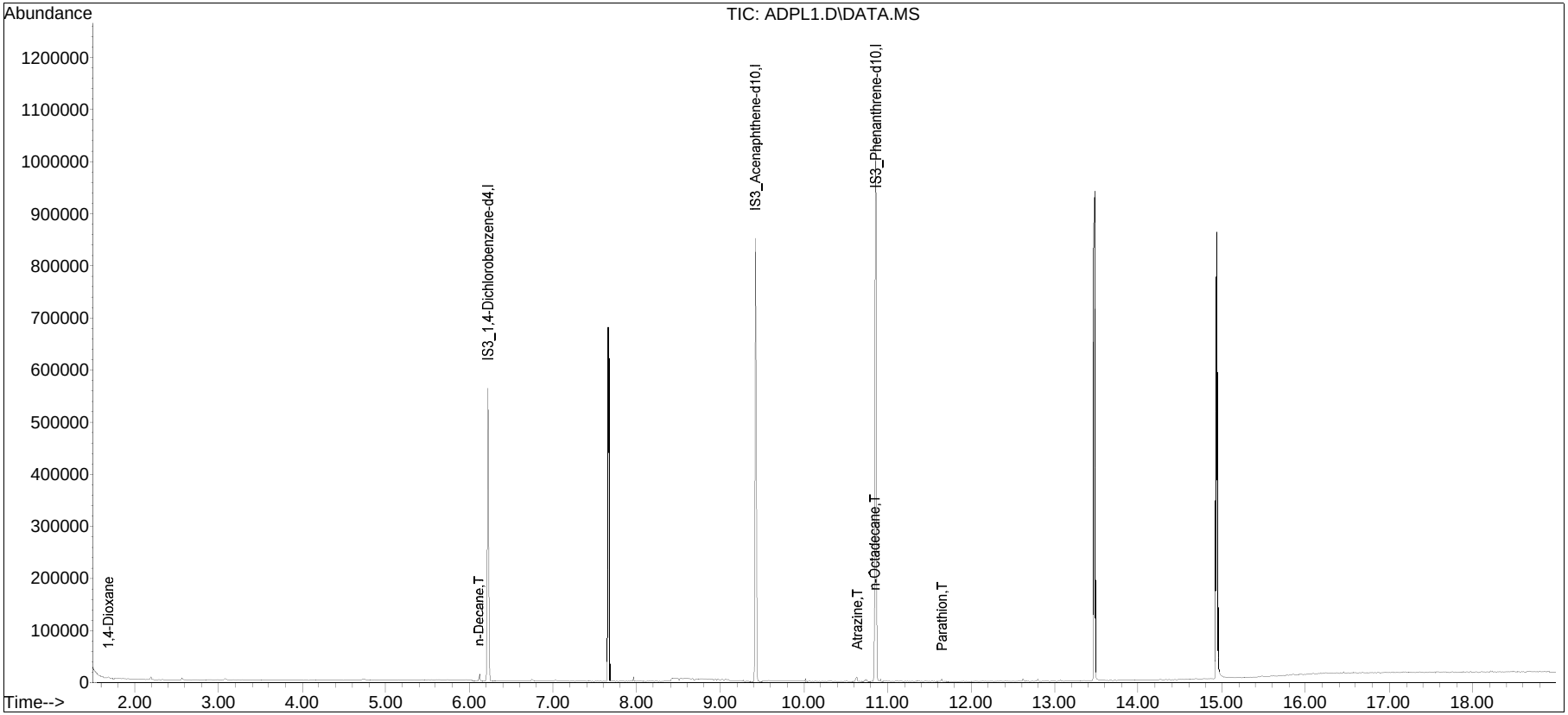
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPL1.D
Acq On : 5 Mar 2025 12:18 pm
Operator : SV107:mrg
Sample : IL10,32,,ADPL0.1 Lot# 11451
Misc : WG2037043
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 05 14:45:02 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPL1.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 12:18 pm	Instrument	: SV107
Sample	: IL10,32,,ADPL0.1 Lot# 1145	Quant Date	: 3/5/2025 2:46 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250304ical\
Data File : AP9ICV.D
Acq On : 5 Mar 2025 12:44 pm
Operator : SV107:mrg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2037043
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 05 14:58:44 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:58:54 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde		0.859	1.020	-18.7	112	0.00
29	T	Acetophenone		1.472	1.787	-21.4#	112	0.00
30	T	m-Toluidine		1.500	1.736	-15.7	113	0.00
31	T	2-Chloroaniline		1.381	1.660	-20.2#	114	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	93	0.00
56	T	a-Terpineol		0.229	0.269	-17.5	111	0.00
57	T	3-Chloroaniline		0.135	0.172	-27.4#	114	0.00
58	T	2,6-Dichlorophenol		0.288	0.357	-24.0#	113	0.00
59	T	1-chloro-2-nitrobenzene		0.114	0.138	-21.1#	111	0.00
60	T	Caprolactam	*	5.000	4.642	7.2	105	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.428	0.521	-21.7#	115	0.00
62	T	Biphenyl		0.969	1.158	-19.5	115	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	90	0.00
84	T	Dichloran	*	5.000	4.630	7.4	111	0.00
85	T	Pentachloronitrobenzene	*	5.000	5.347	-6.9	114	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	91	0.00
99	T	Diphenamid	*	5.000	5.337	-6.7	121	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9ICV.D
Acq On : 5 Mar 2025 12:44 pm
Operator : SV107:mrg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2037043
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 05 14:58:44 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:58:54 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	91079	4.000	ug/ml		0.00
Standard Area 1 = 99449			Recovery = 91.58%				
55) IS2_Naphthalene-d8	7.660	136	314665	4.000	ug/ml		0.00
Standard Area 1 = 339901			Recovery = 92.58%				
83) IS2_Acenaphthene-d10	9.422	164	202492	4.000	ug/ml		0.00
Standard Area 1 = 224537			Recovery = 90.18%				
98) IS2_Phenanthrene-d10	10.859	188	438377	4.000	ug/ml	#	0.00
Standard Area 1 = 484143			Recovery = 90.55%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.636	105	116089	5.937	ug/ml		98
29) Acetophenone	6.736	105	203459	6.072	ug/ml	#	86
30) m-Toluidine	6.834	106	197670	5.789	ug/ml		96
31) 2-Chloroaniline	7.240	127	189014	6.010	ug/ml	#	93
56) a-Terpineol	7.740	59	105908	5.886	ug/ml	#	73
57) 3-Chloroaniline	7.754	65	67613	6.379	ug/ml		89
58) 2,6-Dichlorophenol	7.783	162	140408	6.207	ug/ml		96
59) 1-chloro-2-nitrobenzene	8.049	111	54134	6.055	ug/ml	#	1
60) Caprolactam	8.092	55	56048	4.642	ug/ml	#	76
61) 1,2,4,5-Tetrachloroben...	8.579	216	204905	6.086	ug/ml		97
62) Biphenyl	8.876	154	455454	5.972	ug/ml		98
84) Dichloran	10.558	206	38715	4.630	ug/ml	#	70
85) Pentachloronitrobenzene	10.706	237	47459	5.347	ug/ml	#	81
99) Diphenamid	11.765	167	293950	5.337	ug/ml	#	73

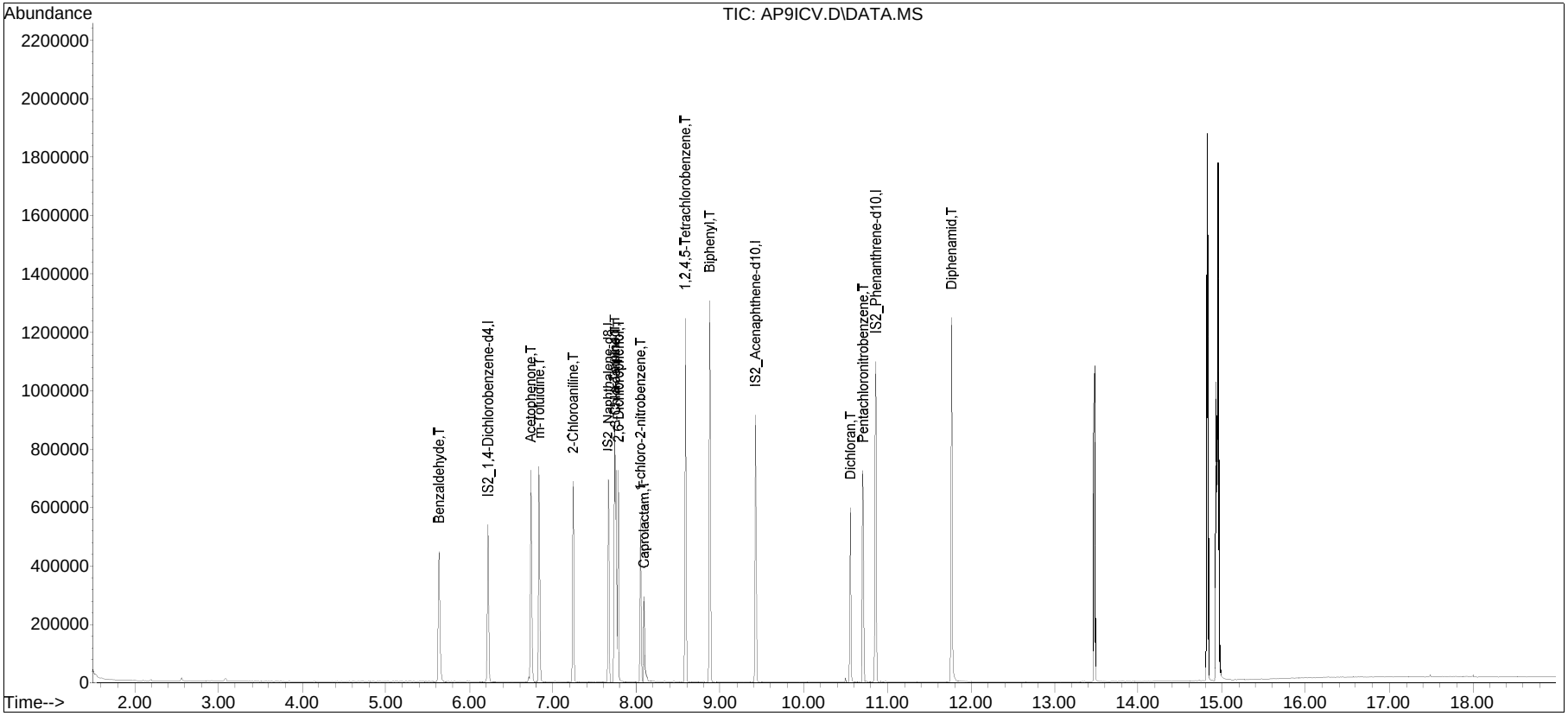
(#) = qualifier out of range (m) = manual integration (+) = signals summed

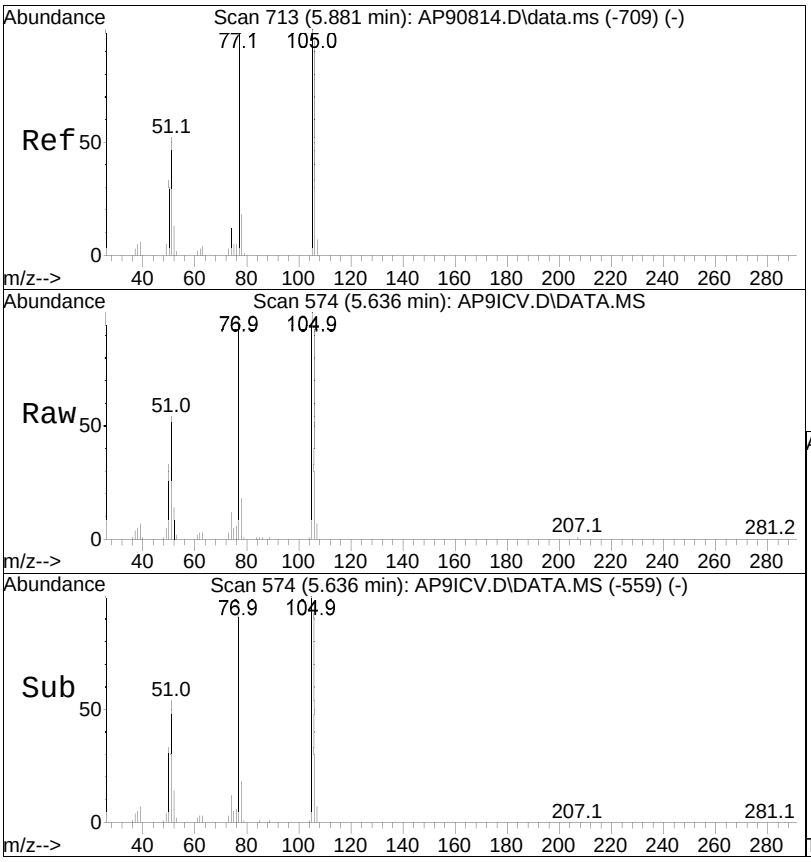
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : AP9ICV.D
Acq On : 5 Mar 2025 12:44 pm
Operator : SV107:mrg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2037043
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 05 14:58:44 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:58:54 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistal\AP9L6.D•

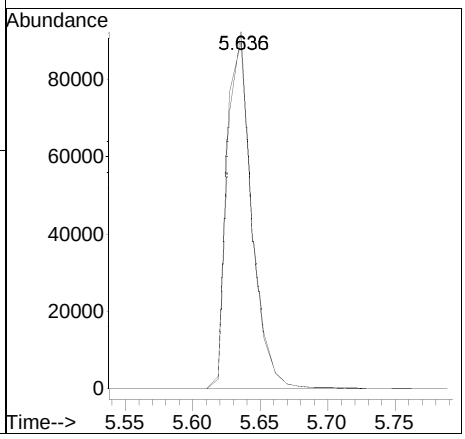


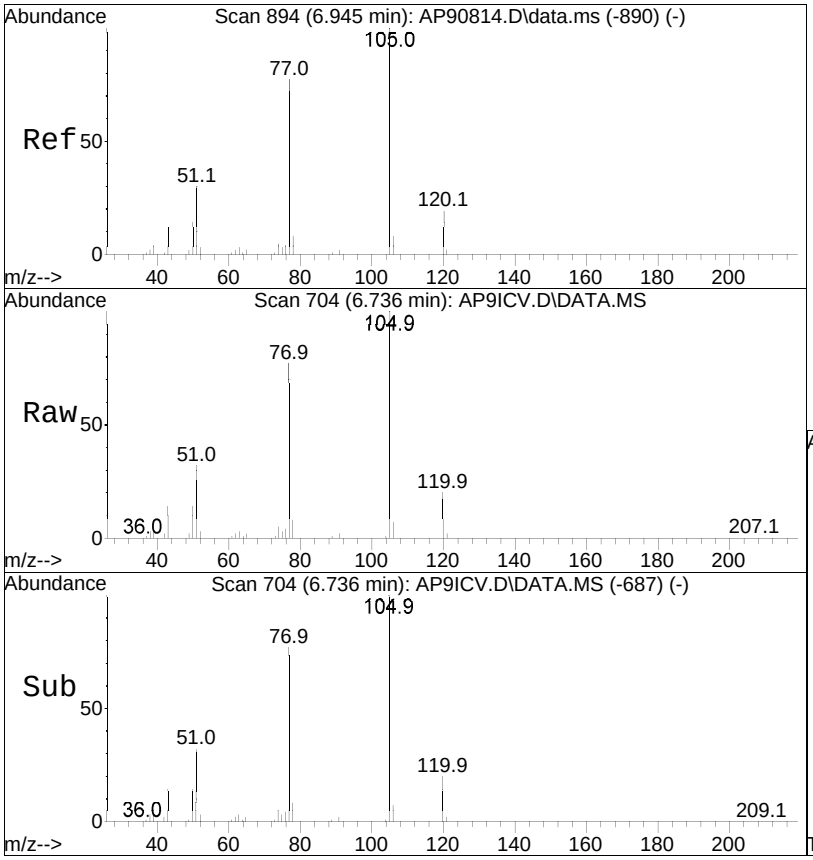


#28
Benzaldehyde
Concen: 5.94 ug/ml
RT: 5.636 min Scan# 574
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:105 Resp: 116089

Ion	Ratio	Lower	Upper
105	100		
77	100.6	82.2	123.4

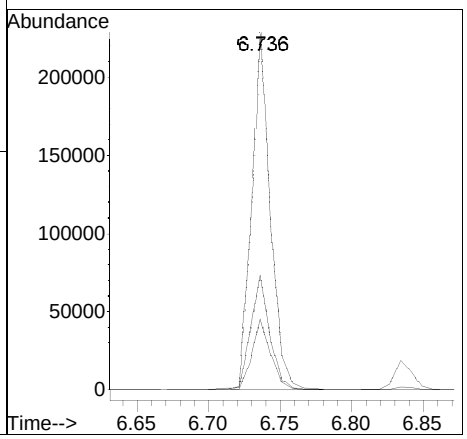


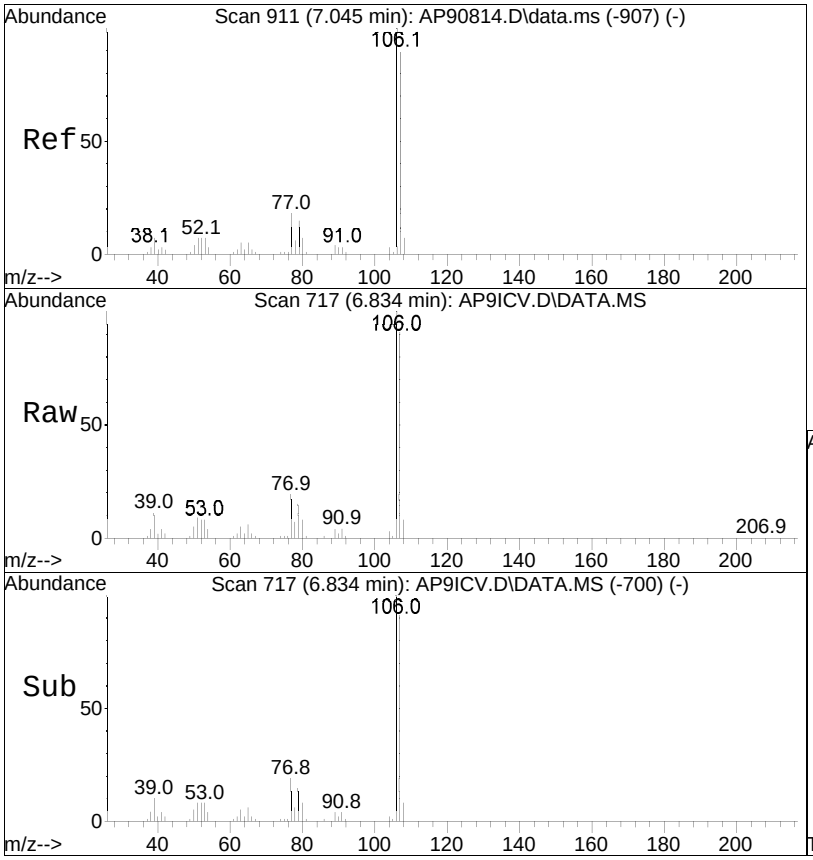


#29
Acetophenone
Concen: 6.07 ug/ml
RT: 6.736 min Scan# 704
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:105 Resp: 203459

Ion	Ratio	Lower	Upper
105	100		
120	20.0	20.5	30.7#
51	33.4	34.9	52.3#

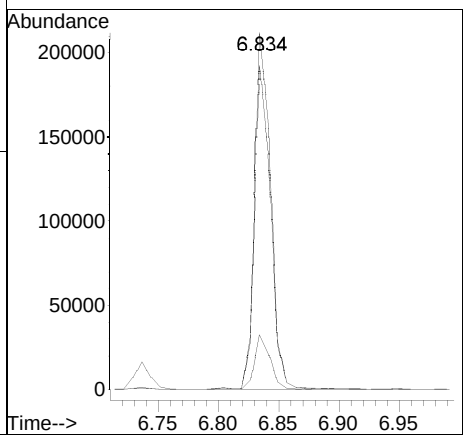


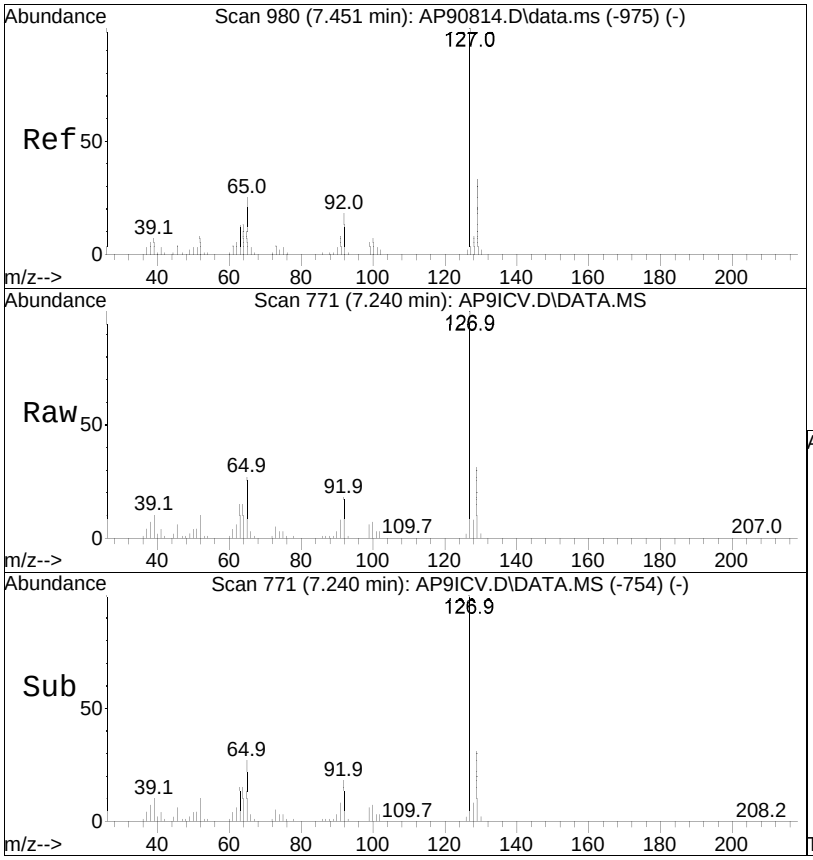


#30
m-Toluidine
Concen: 5.79 ug/ml
RT: 6.834 min Scan# 717
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:106 Resp: 197670

Ion	Ratio	Lower	Upper
106	100		
107	90.4	75.7	113.5
79	14.7	11.8	17.8

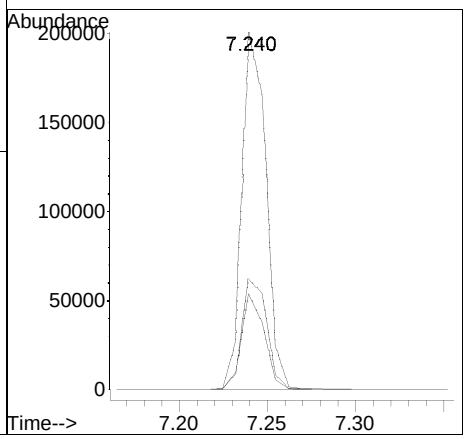


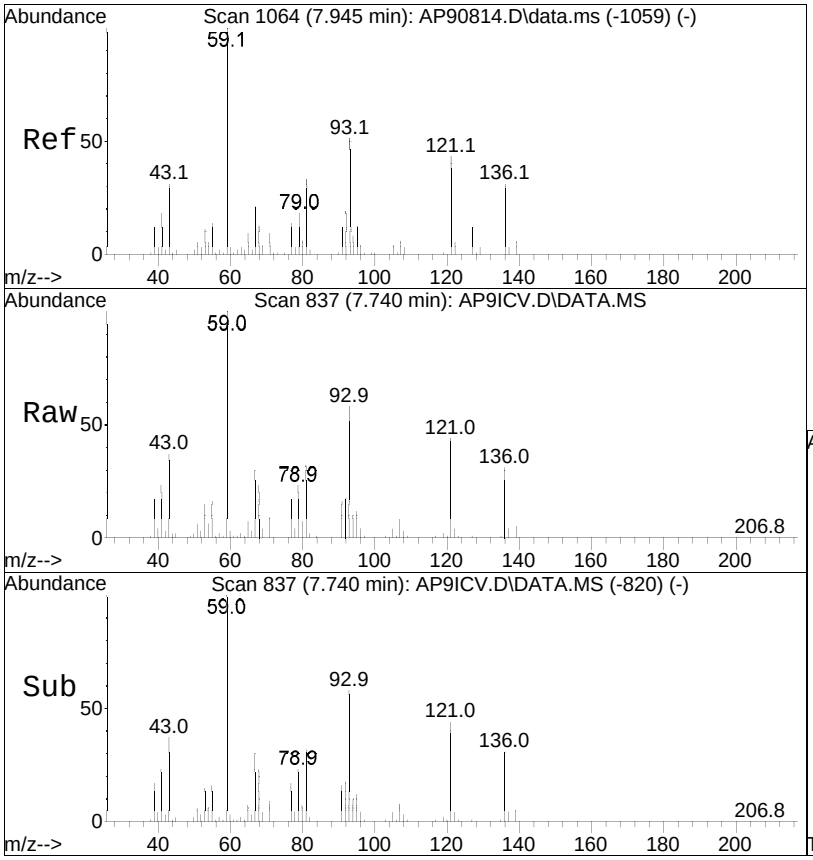


#31
2-Chloroaniline
Concen: 6.01 ug/ml
RT: 7.240 min Scan# 771
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:127 Resp: 189014

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	25.6	26.3	39.5#

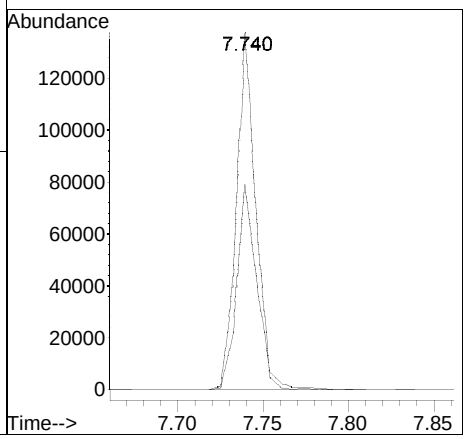


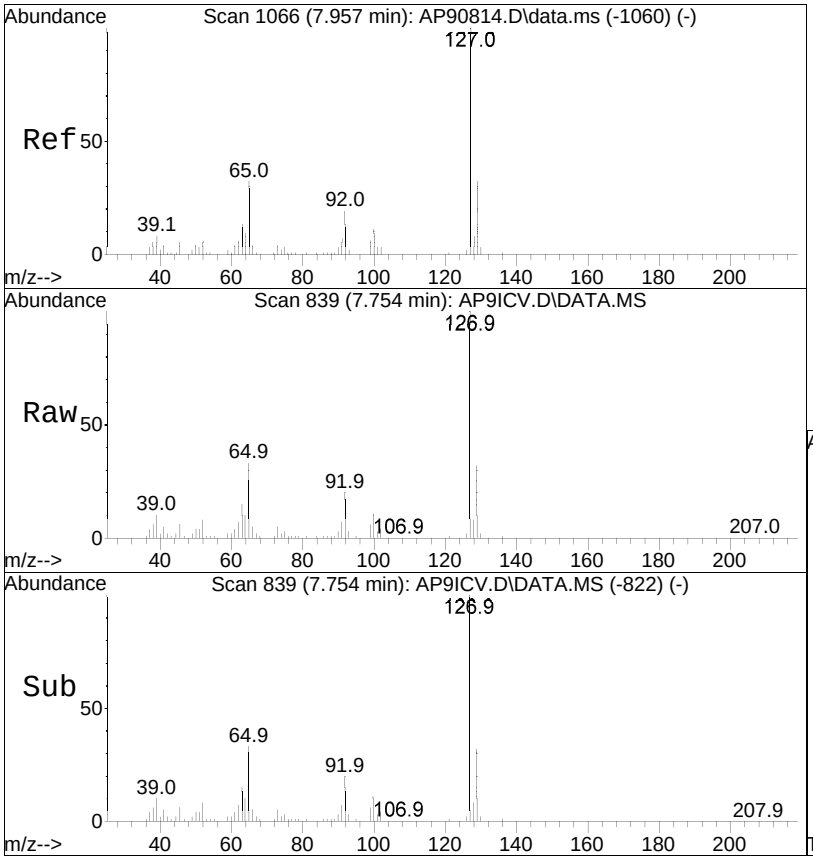


#56
a-Terpineol
Concen: 5.89 ug/ml
RT: 7.740 min Scan# 837
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion: 59 Resp: 105908

Ion	Ratio	Lower	Upper
59	100		
93	62.3	35.6	53.4#

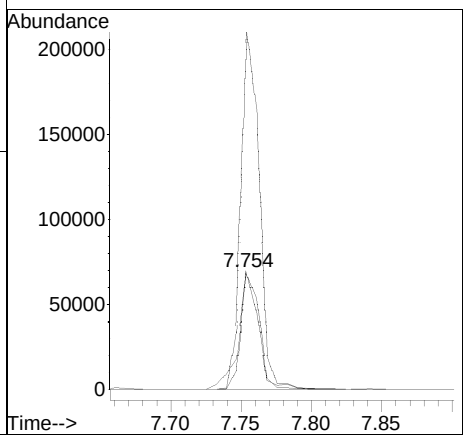


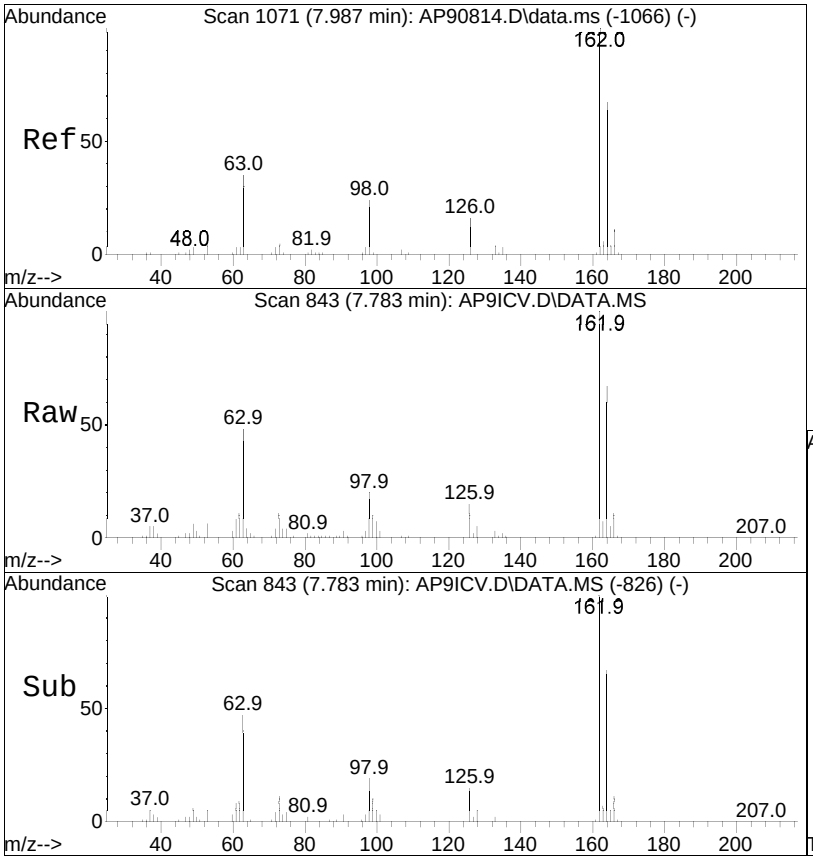


#57
3-Chloroaniline
Concen: 6.38 ug/ml
RT: 7.754 min Scan# 839
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion: 65 Resp: 67613

Ion	Ratio	Lower	Upper
65	100		
127	281.0	243.2	364.8
129	91.1	78.8	118.2

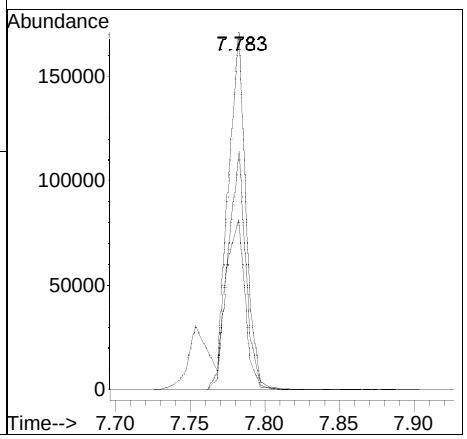


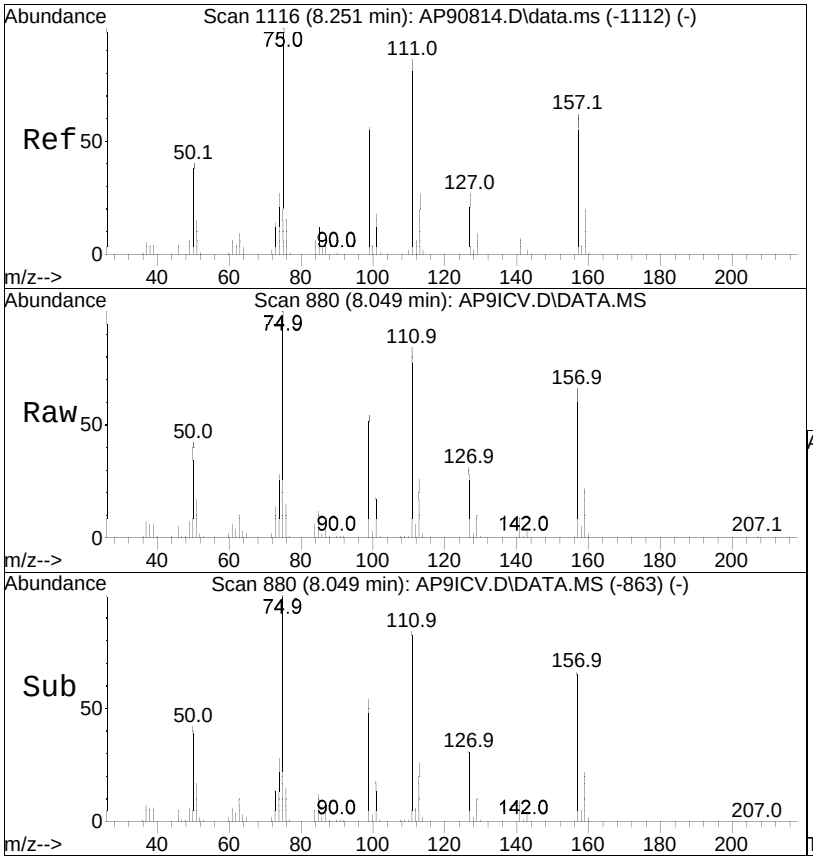


#58
2,6-Dichlorophenol
Concen: 6.21 ug/ml
RT: 7.783 min Scan# 843
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:162 Resp: 140408

Ion	Ratio	Lower	Upper
162	100		
164	66.6	51.1	76.7
63	71.9	60.8	91.2

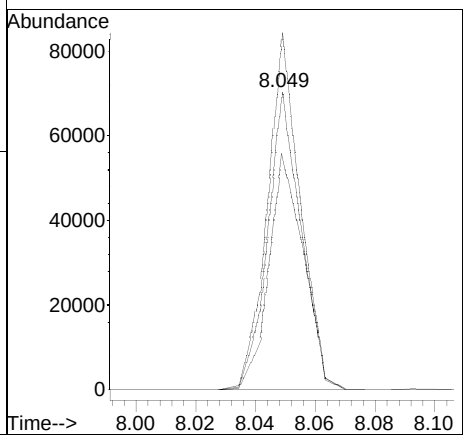


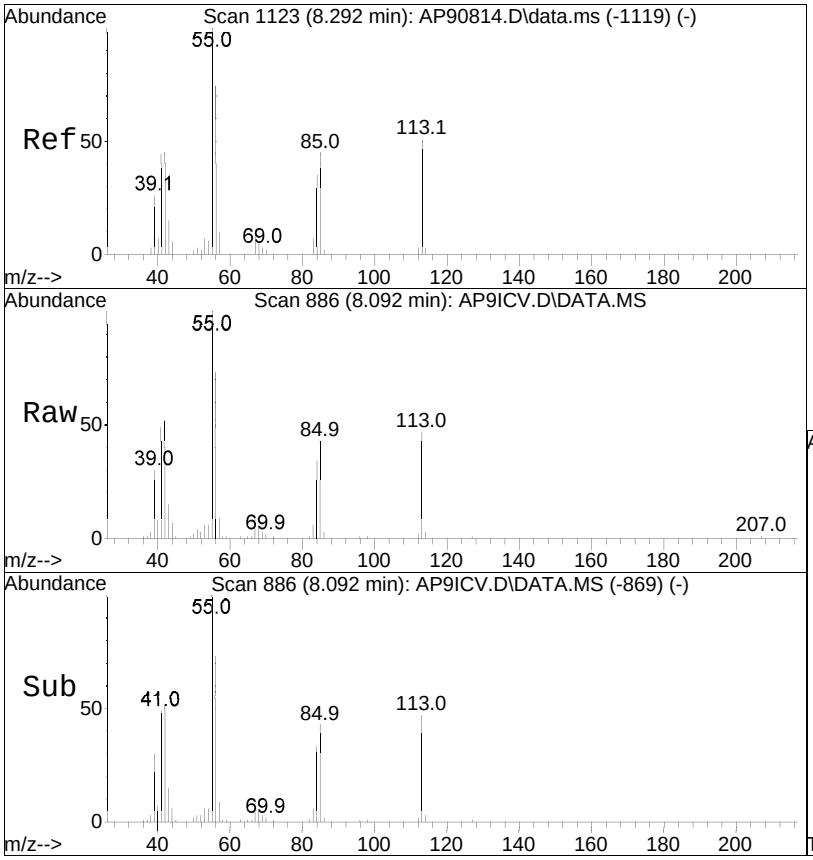


#59
1-chloro-2-nitrobenzene
Concen: 6.05 ug/ml
RT: 8.049 min Scan# 880
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:111 Resp: 54134

Ion	Ratio	Lower	Upper
111	100		
157	82.1	0.0	0.0#
75	118.1	28.2	42.2#

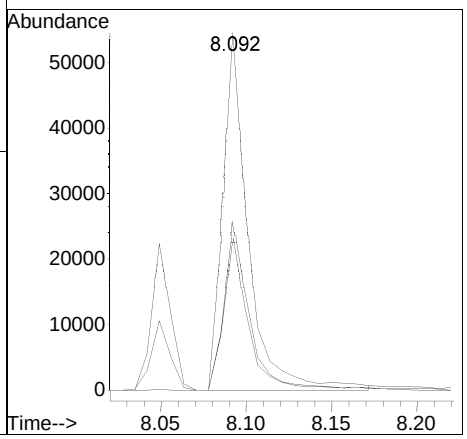


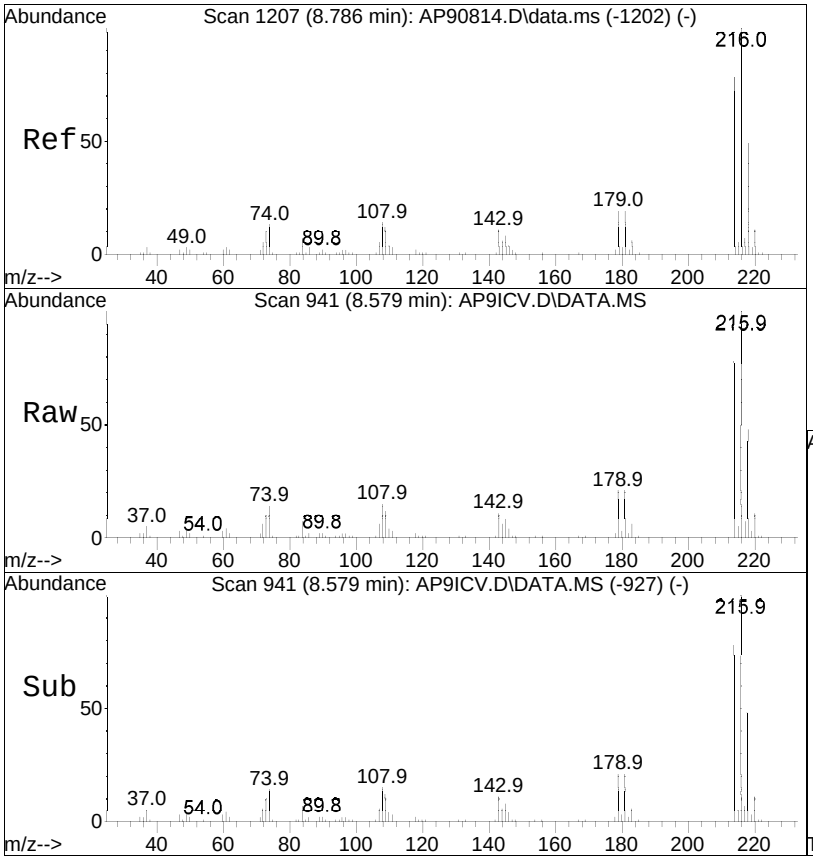


#60
Caprolactam
Concen: 4.64 ug/ml
RT: 8.092 min Scan# 886
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion: 55 Resp: 56048

Ion	Ratio	Lower	Upper
55	100		
85	41.5	19.8	29.6#
113	47.2	29.6	44.4#

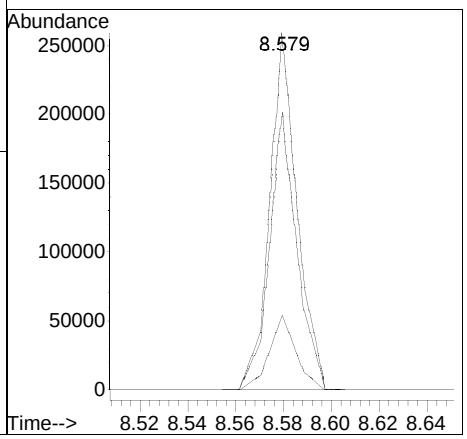


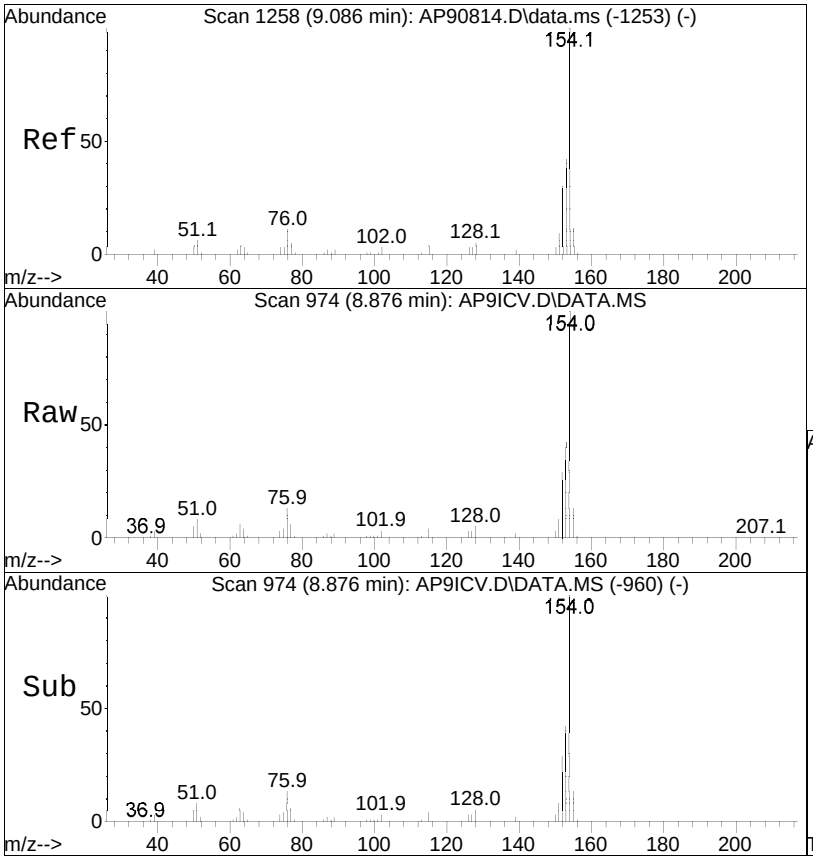


#61
1,2,4,5-Tetrachlorobenzene
Concen: 6.09 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:216 Resp: 204905

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.7	95.5
179	20.5	19.0	28.6

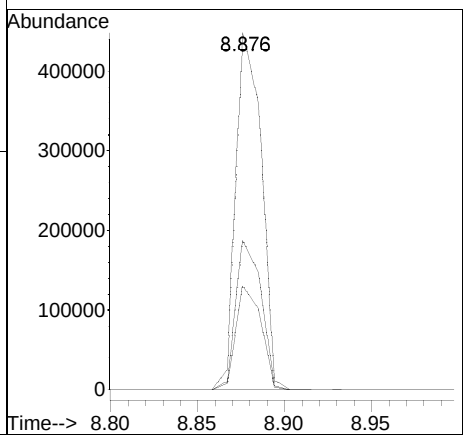


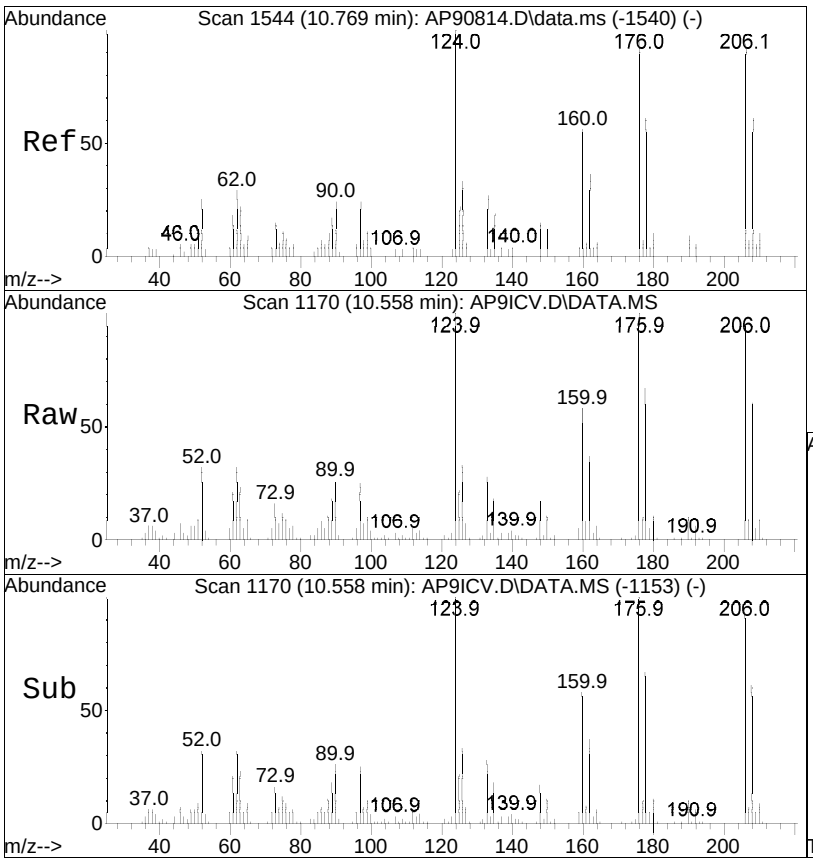


#62
Biphenyl
Concen: 5.97 ug/ml
RT: 8.876 min Scan# 974
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:154 Resp: 455454

Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.3	48.5
152	28.9	22.5	33.7

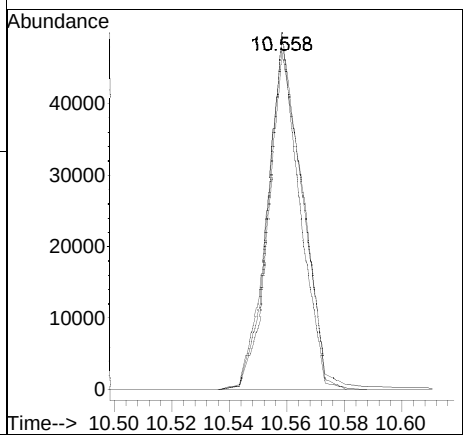


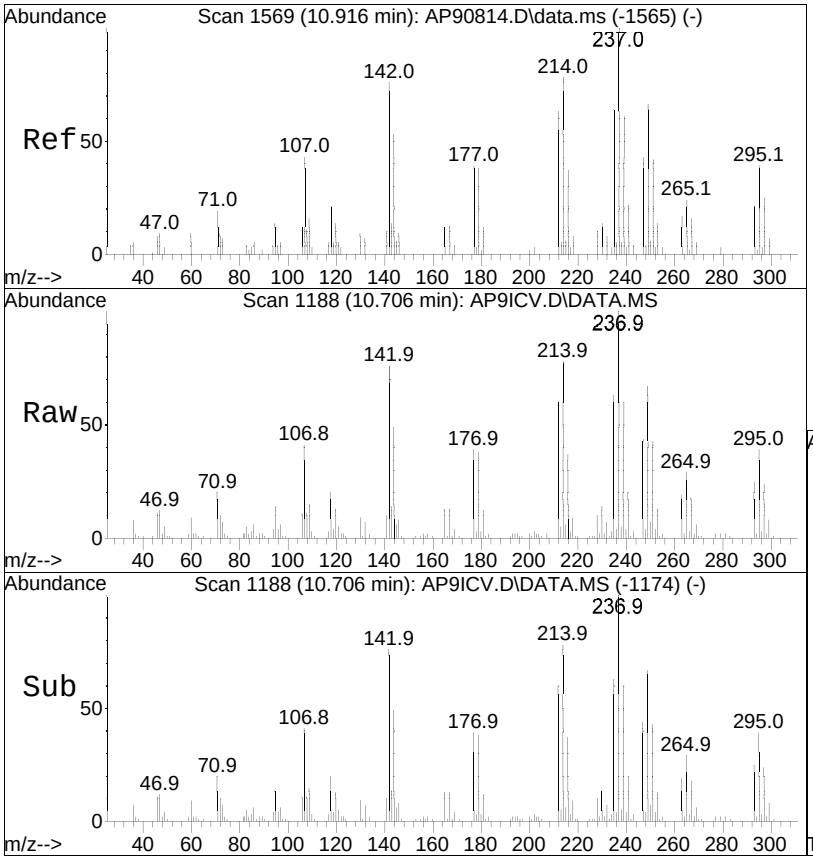


#84
Dichloran
Concen: 4.63 ug/ml
RT: 10.558 min Scan# 1170
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:206 Resp: 38715

Ion	Ratio	Lower	Upper
206	100		
176	121.8	104.6	157.0
124	99.2	130.5	195.7#

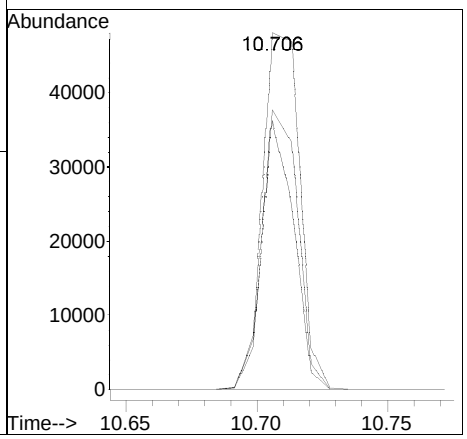


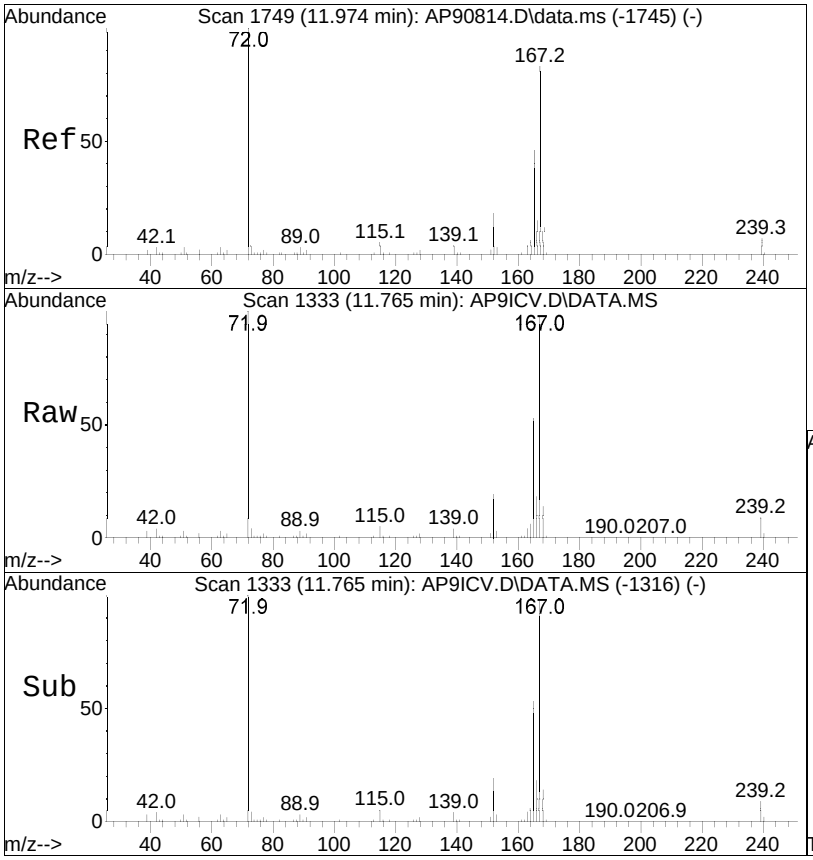


#85
Pentachloronitrobenzene
Concen: 5.35 ug/ml
RT: 10.706 min Scan# 1188
Delta R.T. -0.007 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:237 Resp: 47459

Ion	Ratio	Lower	Upper
237	100		
142	65.3	77.0	115.4#
214	74.4	58.2	87.4

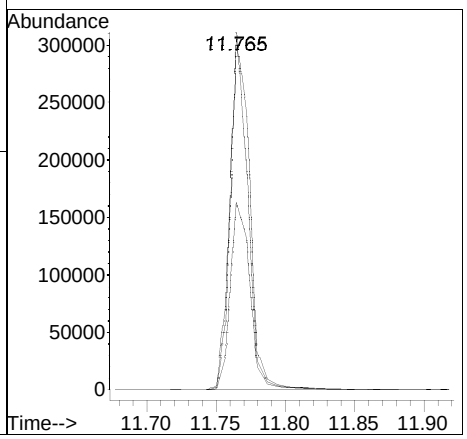




#99
Diphenamid
Concen: 5.34 ug/ml
RT: 11.765 min Scan# 1333
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 5 Mar 2025 12:44 pm

Tgt Ion:167 Resp: 293950

Ion	Ratio	Lower	Upper
167	100		
72	93.8	109.7	164.5#
165	55.0	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: AP9ICV.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 12:44 pm	Instrument	: SV107
Sample	: CQICV2,32,,AP9ICV Lot# 114	Quant Date	: 3/5/2025 2:59 pm

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250304ical\
Data File : ADPICV.D
Acq On : 5 Mar 2025 1:09 pm
Operator : SV107:mrg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2037043
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 05 14:47:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	94	0.00
33		1,4-Dioxane		0.528	0.461	12.7	96	-0.02
34	T	n-Decane		1.421	1.420	0.1	100	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	96	0.00
87	T	Atrazine	*	5.000	5.310	-6.2	104	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	99	0.00
101	T	n-Octadecane		0.368	0.389	-5.7	104	0.00
102	T	Parathion	*	5.000	5.125	-2.5	104	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.971	0.6	101	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPICV.D
Acq On : 5 Mar 2025 1:09 pm
Operator : SV107:mrg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2037043
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 05 14:47:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250304ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.222	152	90569	4.000	ug/ml		0.00
Standard Area 1 = 96160			Recovery = 94.19%				
86) IS3_Acenaphthene-d10	9.421	164	191139	4.000	ug/ml		0.00
Standard Area 1 = 199777			Recovery = 95.68%				
100) IS3_Phenanthrene-d10	10.859	188	451730	4.000	ug/ml	#	0.00
Standard Area 1 = 458036			Recovery = 98.62%				
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.660	88	52148	4.361	ug/ml	#	75
34) n-Decane	6.120	57	160788	4.997	ug/ml	#	44
87) Atrazine	10.640	200	100565	5.310	ug/ml		95
101) n-Octadecane	10.845	57	219612	5.287	ug/ml	#	1
102) Parathion	11.648	109	31155	5.125	ug/ml	#	95
103) 3,3'-Dimethylbenzidine	12.918	212	290640	4.971	ug/ml		97

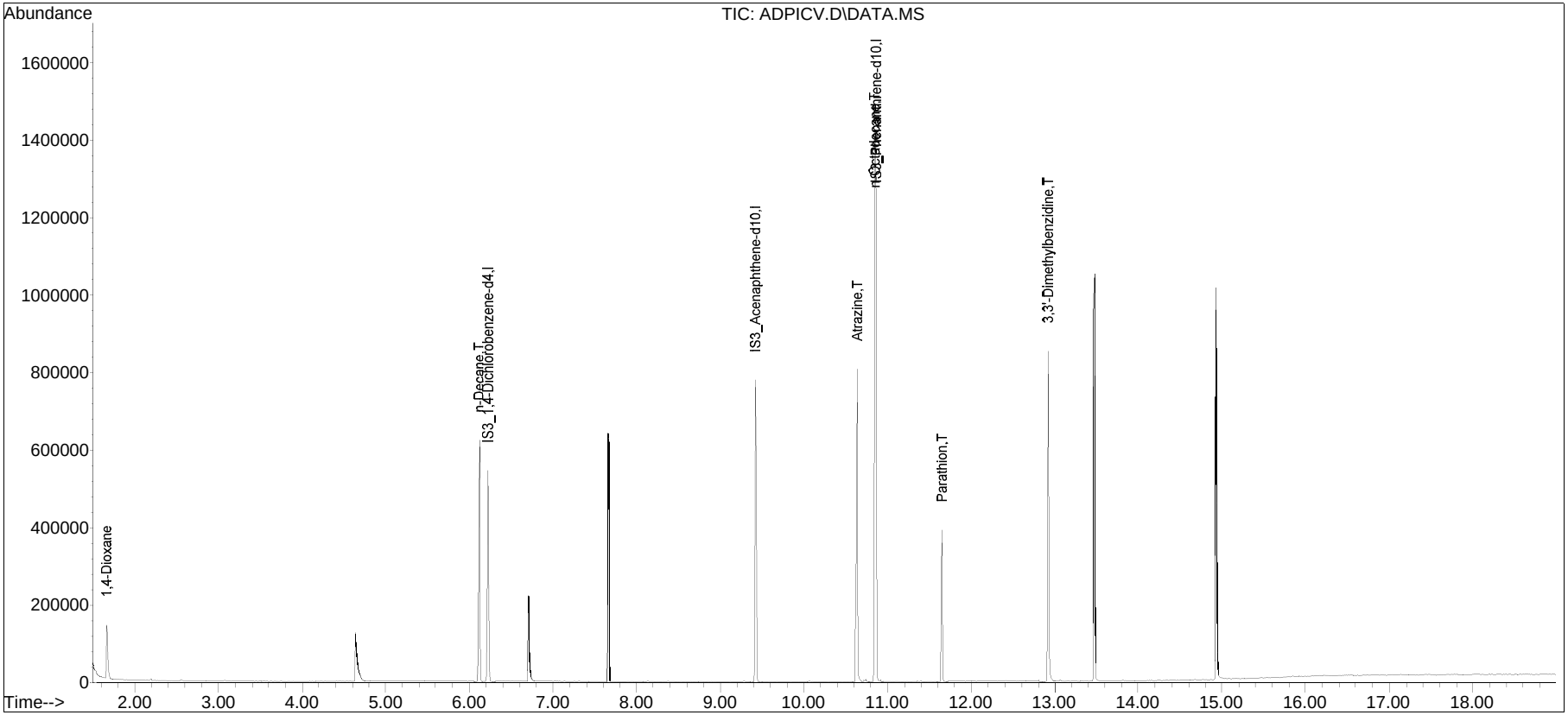
(#) = qualifier out of range (m) = manual integration (+) = signals summed

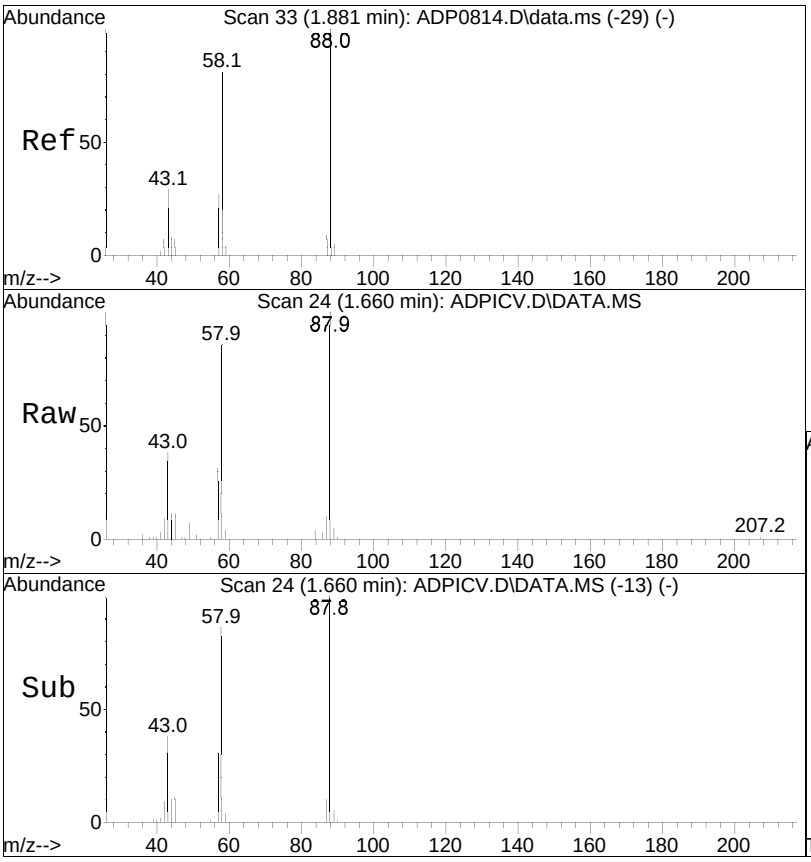
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250304ical\
Data File : ADPICV.D
Acq On : 5 Mar 2025 1:09 pm
Operator : SV107:mrg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2037043
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 05 14:47:12 2025
Quant Method : I:\8270\SV107\250304ical\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 14:45:15 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistal\ADPL6.D•

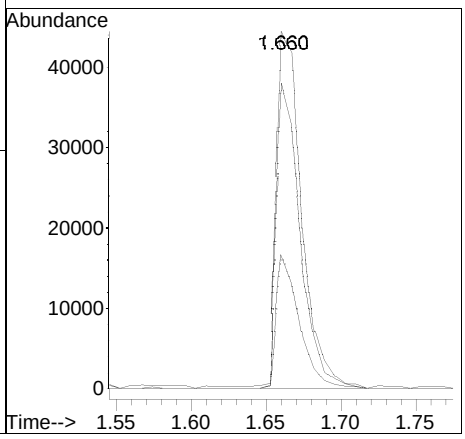


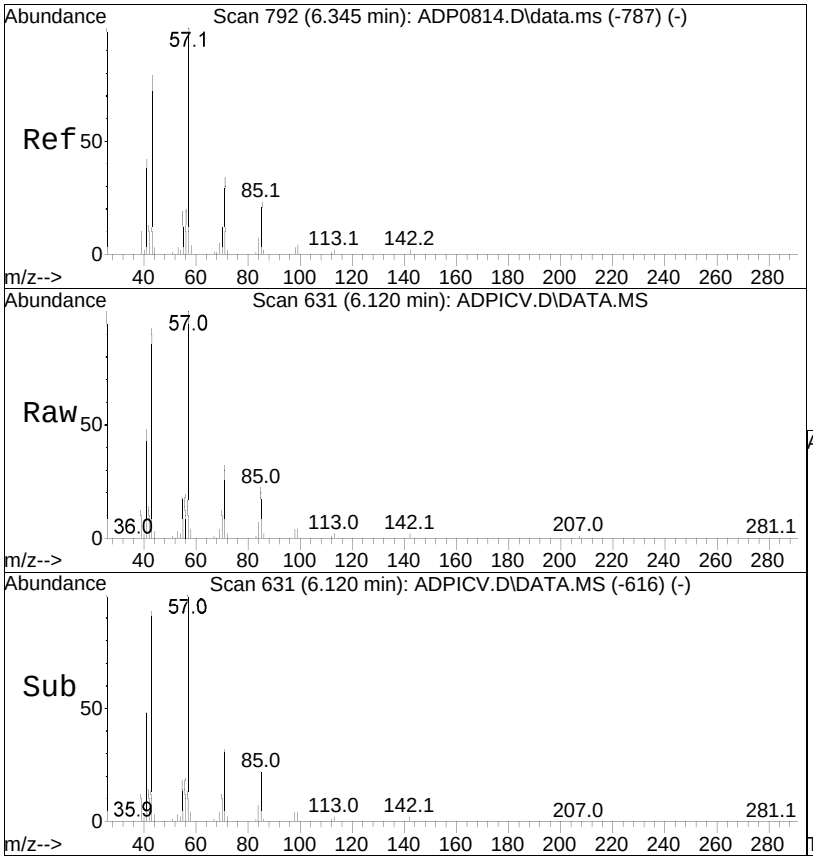


#33
1,4-Dioxane
Concen: 4.36 ug/ml
RT: 1.660 min Scan# 24
Delta R.T. -0.022 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion: 88 Resp: 52148

Ion	Ratio	Lower	Upper
88	100		
58	79.6	44.8	67.2#
43	33.9	22.4	33.6#

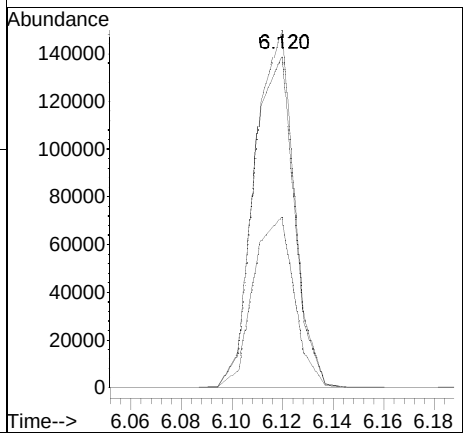


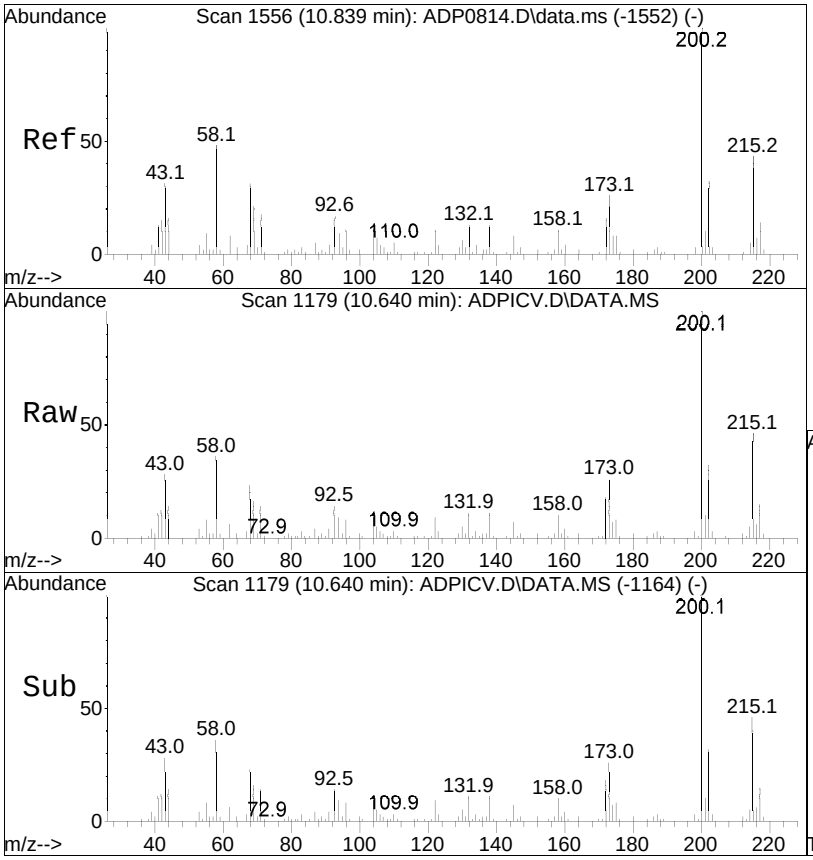


#34
n-Decane
Concen: 5.00 ug/ml
RT: 6.120 min Scan# 631
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion: 57 Resp: 160788

Ion	Ratio	Lower	Upper
57	100		
43	95.6	0.2	0.2#
41	49.5	0.2	0.2#

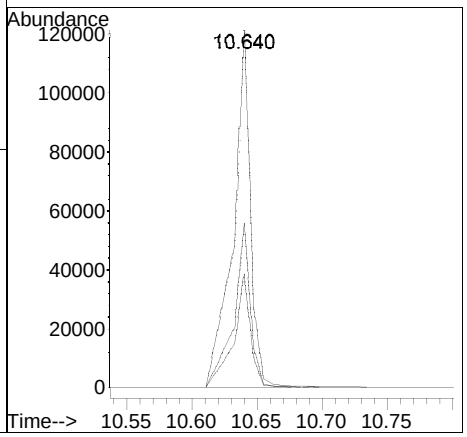


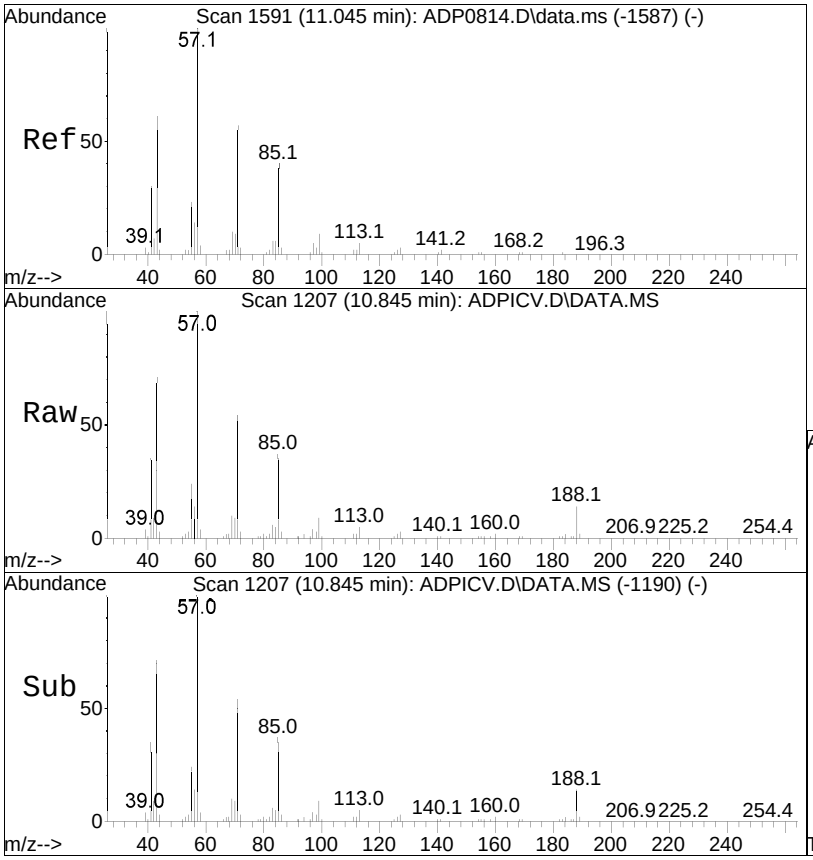


#87
Atrazine
Concen: 5.31 ug/ml
RT: 10.640 min Scan# 1179
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion:200 Resp: 100565

Ion	Ratio	Lower	Upper
200	100		
202	34.6	25.8	38.6
215	47.0	40.2	60.4

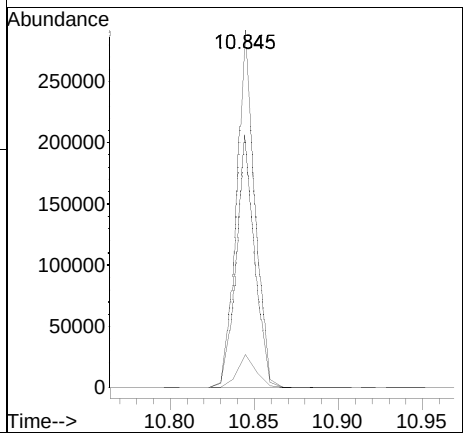


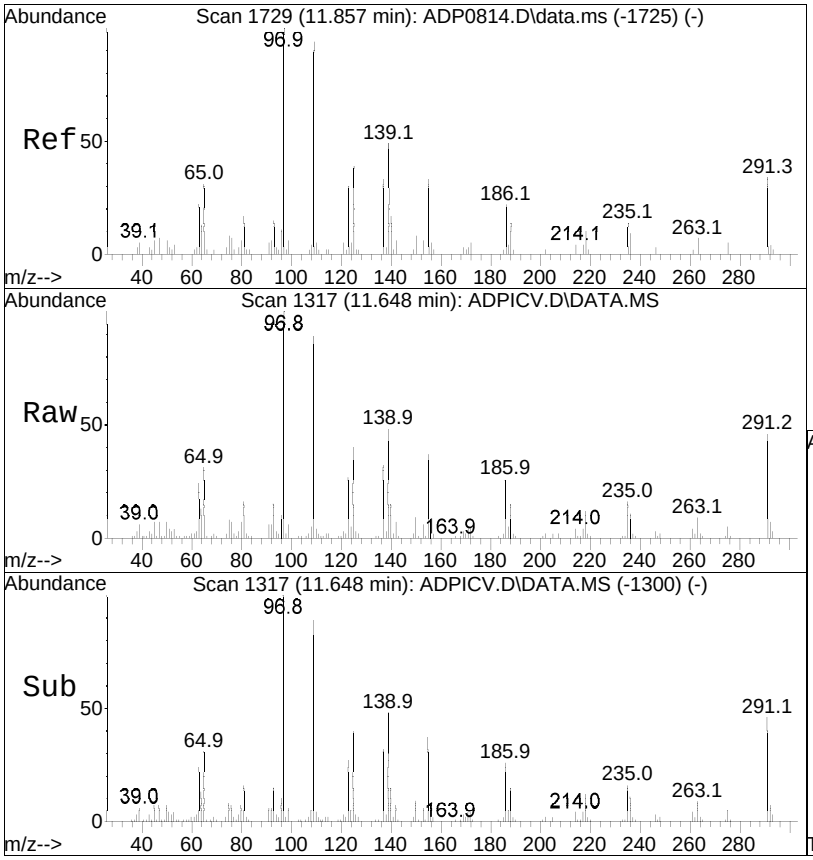


#101
n-Octadecane
Concen: 5.29 ug/ml
RT: 10.845 min Scan# 1207
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion: 57 Resp: 219612

Ion	Ratio	Lower	Upper
57	100		
43	71.2	9.0	13.6#
70	9.5	0.2	0.2#

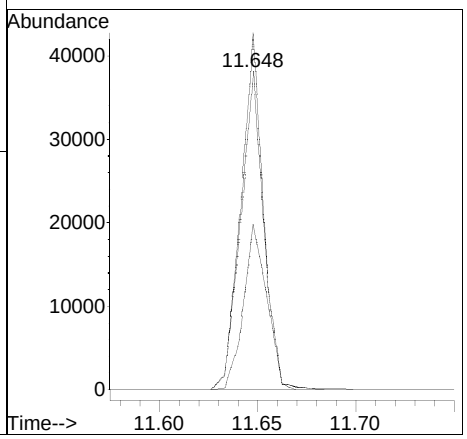


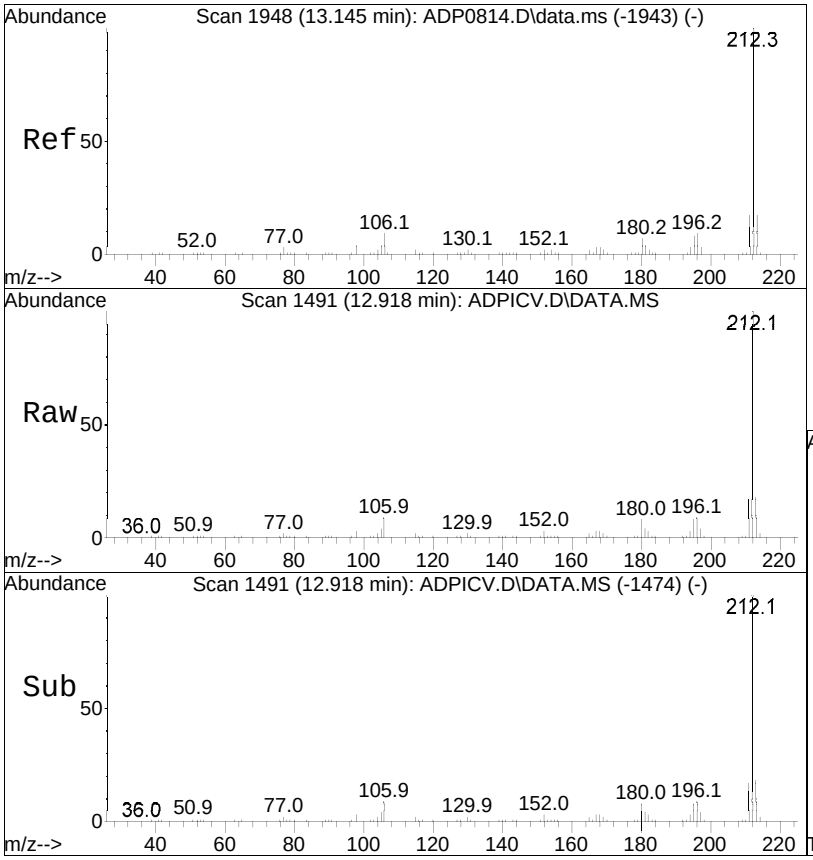


#102
Parathion
Concen: 5.13 ug/ml
RT: 11.648 min Scan# 1317
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion:109 Resp: 31155

Ion	Ratio	Lower	Upper
109	100		
97	107.6	87.4	131.2
291	52.2	34.2	51.2#

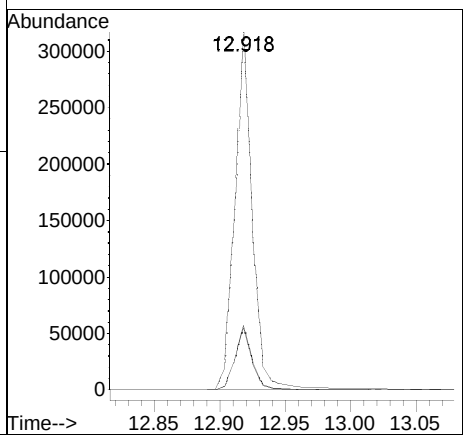




#103
3,3'-Dimethylbenzidine
Concen: 4.97 ug/ml
RT: 12.918 min Scan# 1491
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 5 Mar 2025 1:09 pm

Tgt Ion:212 Resp: 290640

Ion	Ratio	Lower	Upper
212	100		
211	17.1	12.9	19.3
213	18.0	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV107\250304ical\	QMethod	: FS250303SV107RVT.m
Data File	: ADPICV.D	Operator	: SV107:mrg
Date Inj'd	: 3/5/2025 1:09 pm	Instrument	: SV107
Sample	: CQICV,32,,ADPICV Lot# 1145	Quant Date	: 3/5/2025 2:48 pm

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

Evaluate Relative Error Report SV107

Method Path : I:\8270\SV107\250304ical\
Method File : FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 05 14:58:54 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37 T	Benzoic Acid	Q	ug/ml	5.0	4.581	-8.4	0.10	0.082	-18.0
49 T	1,4-Dinitrobenzene	L	ug/ml	5.0	4.204	-15.9	0.50	0.704	40.8
60 T	Caprolactam	L	ug/ml	5.0	4.159	-16.8	0.50	0.722	44.4
66 T	2,4-Dinitrophenol	Q	ug/ml	5.0	4.639	-7.2	0.20	0.285	42.5
76 T	4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.380	-12.4	0.50	0.712	42.4
84 T	Dichloran	Q	ug/ml	5.0	3.872	-22.6	0.50	0.749	49.8
85 T	Pentachloronitrobenzene	L	ug/ml	5.0	4.398	-12.0	1.00	1.318	31.8
87 T	Atrazine	Q	ug/ml	5.0	4.961	-0.8	0.10	0.109	9.0
94 T	Benzidine	L	ug/ml	5.0	4.745	-5.1	0.50	0.621	24.2
97 T	Butyl benzyl phthalate	L	ug/ml	5.0	4.342	-13.2	0.50	0.727	45.4
99 T	Diphenamid	L	ug/ml	5.0	4.121	-17.6	0.50	0.722	44.4
102 T	Parathion	Q	ug/ml	5.0	4.924	-1.5	0.10	0.069	-31.0
103 T	3,3'-Dimethylbenzidine	Q	ug/ml	5.0	4.896	-2.1	0.50	0.575	15.0
108 T	Bis(2-ethylhexyl)phthalate	Q	ug/ml	5.0	4.902	-2.0	0.20	0.281	40.5
109 T	Di-n-octylphthalate	Q	ug/ml	5.0	4.649	-7.0	0.50	0.677	35.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37 T	Benzoic Acid	Quadratic	0.998513	0.022653	0.10967	0.000110453
49 T	1,4-Dinitrobenzene	Linear	0.993569	0.000000	0.160286	-0.0164888
60 T	Caprolactam	Linear	0.991919	0.000000	0.16976	-0.0189073
66 T	2,4-Dinitrophenol	Quadratic	0.996799	0.003311	0.140205	-0.00725341
76 T	4,6-Dinitro-o-cresol	Linear	0.994119	0.000000	0.241159	-0.0253856
84 T	Dichloran	Quadratic	0.984704	0.005621	0.176864	-0.0210489
85 T	Pentachloronitrobenzene	Linear	0.994769	0.000000	0.203149	-0.0371623
87 T	Atrazine	Quadratic	0.999862	0.052240	0.326159	0.00104804
94 T	Benzidine	Linear	0.998067	0.000000	0.829246	-0.0730617
97 T	Butyl benzyl phthalate	Linear	0.992842	0.000000	0.54434	-0.0646317
99 T	Diphenamid	Linear	0.992127	0.000000	0.548445	-0.061281
102 T	Parathion	Quadratic	0.999657	0.014504	0.0345046	0.000941376
103 T	3,3'-Dimethylbenzidine	Quadratic	0.999176	0.093950	0.42632	-0.0314679
108 T	Bis(2-ethylhexyl)phthalate	Quadratic	0.997028	0.014214	0.719168	-0.031588
109 T	Di-n-octylphthalate	Quadratic	0.995266	0.022356	1.24644	-0.130424

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
n-Nitrosodimethylamine	0.76	0.822	-	-8.2	20	115	0
Pyridine	1.219	1.309	-	-7.4	20	114	0
2-Fluorophenol	1.245	1.168	-	6.2	20	100	0
Aniline	1.771	1.759	-	0.7	20	102	0
2-Chlorophenol	1.365	1.305	-	4.4	20	99	0
Phenol-d6	1.498	1.508	-	-0.7	20	108	0
Phenol	1.555	1.592	-	-2.4	20	107	0
Bis(2-chloroethyl)ether	1.28	1.222	-	4.5	20	100	0
1,3-Dichlorobenzene	1.669	1.521	-	8.9	20	98	0
1,4-Dichlorobenzene	1.7	1.543	-	9.2	20	98	0
1,2-Dichlorobenzene	1.63	1.474	-	9.6	20	97	0
Benzyl alcohol	1.06	1.089	-	-2.7	20	108	0
Bis(2-chloroisopropyl)ethe	2.014	1.679	-	16.6	20	90	0
2-Methylphenol	1.123	1.065	-	5.2	20	98	0
Hexachloroethane	0.614	0.614	-	0	20	108	0
n-Nitrosodi-n-propylamine	0.94	0.941	-	-0.1	20	103	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	97	0
Nitrobenzene-d5	1.359	1.428	-	-5.1	20	110	0
Nitrobenzene	1.389	1.465	-	-5.5	20	112	0
Isophorone	2.416	2.571	-	-6.4	20	109	0
2-Nitrophenol	0.713	0.669	-	6.2	20	94	0
2,4-Dimethylphenol	1.119	0.562	-	49.8*	20	53	0
Bis(2-chloroethoxy)methane	1.614	1.588	-	1.6	20	102	0
2,4-Dichlorophenol	1.25	1.117	-	10.6	20	90	0
1,2,4-Trichlorobenzene	1.449	1.306	-	9.9	20	98	0
IS1_Naphthalene-d8	1	1	-	0	20	100	0
Naphthalene	1.129	1.064	-	5.8	20	98	0
Benzoic Acid	5	5.051	-	-1	20	104	0
4-Chloroaniline	0.127	0.136	-	-7.1	20	106	0
Hexachlorobutadiene	0.239	0.245	-	-2.5	20	103	0
p-Chloro-m-cresol	0.296	0.316	-	-6.8	20	104	0
2-Methylnaphthalene	0.752	0.714	-	5.1	20	96	0
1-Methylnaphthalene	0.243	0.255	-	-4.9	20	108	0
Hexachlorocyclopentadiene	0.262	0.223	-	14.9	20	86	0
2,4,6-Trichlorophenol	0.275	0.243	-	11.6	20	86	0
2,4,5-Trichlorophenol	0.285	0.261	-	8.4	20	91	0
2-Fluorobiphenyl	0.926	0.829	-	10.5	20	91	0
2-Chloronaphthalene	0.785	0.704	-	10.3	20	92	0
2-Nitroaniline	0.223	0.213	-	4.5	20	91	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	90	0
1,3-Dinitrobenzene	0.125	0.127	-	-1.6	20	93	0
Dimethyl phthalate	0.915	0.869	-	5	20	92	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.079	-	7.8	20	92	0
2,6-Dinitrotoluene	0.186	0.189	-	-1.6	20	93	0
1,2-Dinitrobenzene	0.081	0.082	-	-1.2	20	96	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.323	0.299	-	7.4	20	91	0
Acenaphthene	1.157	1.027	-	11.2	20	95	0
2,4-Dinitrophenol	5	4.203	-	15.9	20	79	0
Dibenzofuran	1.872	1.663	-	11.2	20	96	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	98	0
4-Nitrophenol	0.239	0.251	-	-5	20	100	0
2,3,5,6-Tetrachlorophenol	0.39	0.368	-	5.6	20	92	0
2,3,4,6-Tetrachlorophenol	0.385	0.367	-	4.7	20	94	0
Diethyl phthalate	1.518	1.388	-	8.6	20	96	0
Fluorene	1.462	1.342	-	8.2	20	96	0
4-Chlorophenyl phenyl ethe	0.75	0.67	-	10.7	20	95	0
4-Nitroaniline	0.329	0.302	-	8.2	20	93	0
4,6-Dinitro-o-cresol	5	4.633	-	7.3	20	101	0
NDPA/DPA	1.261	1.146	-	9.1	20	93	0
Azobenzene	1.232	1.334	-	-8.3	20	110	0
2,4,6-Tribromophenol	0.226	0.2	-	11.5	20	89	0
4-Bromophenyl phenyl ether	0.465	0.404	-	13.1	20	91	0
Hexachlorobenzene	0.526	0.434	-	17.5	20	89	0
Pentachlorophenol	0.319	0.3	-	6	20	94	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.174	1.069	-	8.9	20	96	0
Anthracene	1.17	1.056	-	9.7	20	96	0
Carbazole	1.054	0.993	-	5.8	20	96	0
Di-n-butylphthalate	1.319	1.221	-	7.4	20	91	0
Fluoranthene	1.353	1.276	-	5.7	20	96	0
Benzidine	0.776	0.466	-	39.9*	20	56	0
Pyrene	1.428	1.326	-	7.1	20	95	0
4-Terphenyl-d14	1.073	0.953	-	11.2	20	91	0
Butyl benzyl phthalate	0.555	0.546	-	1.6	20	92	0
IS1_Chrysene-d12	1	1	-	0	20	94	0
Benzo(a)anthracene	1.379	1.286	-	6.7	20	92	0
3,3'-Dichlorobenzidine	0.453	0.421	-	7.1	20	84	0
Chrysene	1.324	1.217	-	8.1	20	90	0
Bis(2-ethylhexyl)phthalate	0.828	0.843	-	-1.8	20	88	0
Di-n-octylphthalate	1.373	1.387	-	-1	20	86	0
Benzo(b)fluoranthene	1.331	1.274	-	4.3	20	93	0
Benzo(k)fluoranthene	1.24	1.171	-	5.6	20	87	0
Benzo(a)pyrene	1.155	1.09	-	5.6	20	88	0
IS1_Perylene-d12	1	1	-	0	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.065	-	12.2	20	79	0
Dibenzo(a,h)anthracene	1.153	1.034	-	10.3	20	80	0
Benzo(ghi)perylene	1.08	0.977	-	9.5	20	81	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:12		
Lab File ID	: AP90305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-4	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Benzaldehyde	0.948	0.879	-	7.3	20	90	0
Acetophenone	1.829	1.755	-	4	20	97	0
m-Toluidine	1.612	1.518	-	5.8	20	94	0
2-Chloroaniline	1.609	1.498	-	6.9	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	94	0
a-Terpineol	0.282	0.282	-	0	20	95	0
3-Chloroaniline	0.132	0.151	-	-14.4	20	102	0
2,6-Dichlorophenol	0.3	0.285	-	5	20	87	0
1-chloro-2-nitrobenzene	0.145	0.142	-	2.1	20	92	0
Caprolactam	0.147	0.139	-	5.4	20	87	0
1,2,4,5-Tetrachlorobenzene	0.402	0.375	-	6.7	20	89	0
Biphenyl	0.907	0.838	-	7.6	20	86	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.181	0.156	-	13.8	20	84	0
Pentachloronitrobenzene	0.193	0.188	-	2.6	20	91	0
IS2_Phenanthrene-d10	1	1	-	0	20	92	0
Diphenamid	0.505	0.488	-	3.4	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:36		
Lab File ID	: ADP0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-5	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
1,4-Dioxane	0.485	0.566	-	-16.7	20	122	0
n-Decane	1.486	1.458	-	1.9	20	98	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.415	0.335	-	19.3	20	74	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.485	0.438	-	9.7	20	77	0
Parathion	5	4.559	-	8.8	20	88	0
3,3'-Dimethylbenzidine	0.821	0.661	-	19.5	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.675	0.654	-	3.1	20	99	0
Pyridine	1.237	0.842	-	31.9*	20	76	0
2-Fluorophenol	1.016	1.013	-	0.3	20	106	0
Aniline	1.57	1.635	-	-4.1	20	106	0
2-Chlorophenol	1.138	1.167	-	-2.5	20	109	0
Phenol-d6	1.238	1.223	-	1.2	20	104	0
Phenol	1.39	1.381	-	0.6	20	106	0
Bis(2-chloroethyl)ether	1.108	1.078	-	2.7	20	107	0
1,3-Dichlorobenzene	1.505	1.454	-	3.4	20	107	0
1,4-Dichlorobenzene	1.552	1.457	-	6.1	20	106	0
1,2-Dichlorobenzene	1.469	1.425	-	3	20	108	0
Benzyl alcohol	0.85	0.869	-	-2.2	20	106	0
Bis(2-chloroisopropyl)ethe	1.811	1.813	-	-0.1	20	110	0
2-Methylphenol	1.021	1.02	-	0.1	20	105	0
Hexachloroethane	0.519	0.524	-	-1	20	110	0
n-Nitrosodi-n-propylamine	0.804	0.772	-	4	20	99	0
3-Methylphenol/4-Methylphe	1.078	1.097	-	-1.8	20	107	0
Nitrobenzene-d5	1.126	1.129	-	-0.3	20	104	0
Nitrobenzene	1.14	1.167	-	-2.4	20	105	0
Isophorone	2.19	2.085	-	4.8	20	99	0
2-Nitrophenol	0.54	0.561	-	-3.9	20	113	0
2,4-Dimethylphenol	1.161	1.188	-	-2.3	20	105	0
Bis(2-chloroethoxy)methane	1.589	1.724	-	-8.5	20	109	0
2,4-Dichlorophenol	1.18	1.196	-	-1.4	20	104	0
1,2,4-Trichlorobenzene	1.517	1.443	-	4.9	20	107	0
IS1_Naphthalene-d8	1	1	-	0	20	107	0
Naphthalene	1.028	0.965	-	6.1	20	106	0
Benzoic Acid	5	4.484	-	10.3	20	104	0
4-Chloroaniline	0.13	0.122	-	6.2	20	103	0
Hexachlorobutadiene	0.247	0.232	-	6.1	20	107	0
p-Chloro-m-cresol	0.273	0.268	-	1.8	20	101	0
2-Methylnaphthalene	0.657	0.622	-	5.3	20	105	0
1-Methylnaphthalene	0.236	0.217	-	8.1	20	101	0
Hexachlorocyclopentadiene	0.278	0.271	-	2.5	20	103	0
2,4,6-Trichlorophenol	0.264	0.274	-	-3.8	20	106	0
2,4,5-Trichlorophenol	0.275	0.276	-	-0.4	20	104	0
2-Fluorobiphenyl	0.982	0.917	-	6.6	20	103	0
2-Chloronaphthalene	0.795	0.729	-	8.3	20	103	0
2-Nitroaniline	0.194	0.184	-	5.2	20	100	0
1,4-Dinitrobenzene	5	3.984	-	20.3*	20	101	0
1,3-Dinitrobenzene	0.128	0.116	-	9.4	20	95	0
Dimethyl phthalate	0.963	0.923	-	4.2	20	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.211	1.165	-	3.8	20	101	0
2,6-Dinitrotoluene	0.18	0.174	-	3.3	20	97	0
1,2-Dinitrobenzene	0.077	0.079	-	-2.6	20	99	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.26	0.275	-	-5.8	20	96	0
Acenaphthene	1.082	1.036	-	4.3	20	106	0
2,4-Dinitrophenol	5	4.041	-	19.2	20	88	0
Dibenzofuran	1.846	1.765	-	4.4	20	101	0
2,4-Dinitrotoluene	0.377	0.387	-	-2.7	20	98	0
4-Nitrophenol	0.2	0.232	-	-16	20	112	0
2,3,5,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	99	0
2,3,4,6-Tetrachlorophenol	0.355	0.411	-	-15.8	20	103	0
Diethyl phthalate	1.332	1.311	-	1.6	20	97	0
Fluorene	1.43	1.407	-	1.6	20	102	0
4-Chlorophenyl phenyl ethe	0.733	0.707	-	3.5	20	104	0
4-Nitroaniline	0.246	0.265	-	-7.7	20	97	0
4,6-Dinitro-o-cresol	5	4.285	-	14.3	20	100	0
NDPA/DPA	1.2	1.185	-	1.2	20	100	0
Azobenzene	1.133	1.161	-	-2.5	20	99	0
2,4,6-Tribromophenol	0.201	0.207	-	-3	20	97	0
4-Bromophenyl phenyl ether	0.439	0.421	-	4.1	20	100	0
Hexachlorobenzene	0.513	0.486	-	5.3	20	103	0
Pentachlorophenol	0.28	0.273	-	2.5	20	98	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.129	1.069	-	5.3	20	101	0
Anthracene	1.081	1.064	-	1.6	20	99	0
Carbazole	0.973	0.984	-	-1.1	20	99	0
Di-n-butylphthalate	0.996	1.073	-	-7.7	20	98	0
Fluoranthene	1.236	1.278	-	-3.4	20	101	0
Benzidine	5	4.854	-	2.9	20	103	0
Pyrene	1.297	1.368	-	-5.5	20	101	0
4-Terphenyl-d14	0.965	0.954	-	1.1	20	98	0
Butyl benzyl phthalate	5	4.546	-	9.1	20	106	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.249	1.286	-	-3	20	103	0
3,3'-Dichlorobenzidine	0.403	0.445	-	-10.4	20	97	0
Chrysene	1.233	1.175	-	4.7	20	104	0
Bis(2-ethylhexyl)phthalate	5	4.869	-	2.6	20	101	0
Di-n-octylphthalate	5	4.671	-	6.6	20	102	0
Benzo(b)fluoranthene	1.211	1.198	-	1.1	20	93	0
Benzo(k)fluoranthene	1.049	1.138	-	-8.5	20	115	0
Benzo(a)pyrene	1.009	1.055	-	-4.6	20	102	0
IS1_Perylene-d12	1	1	-	0	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.005	1.115	-	-10.9	20	106	0
Dibenzo(a,h)anthracene	1	1.106	-	-10.6	20	110	0
Benzo(ghi)perylene	1.011	1.141	-	-12.9	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:54		
Lab File ID	: AP90306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-4	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Benzaldehyde	0.859	0.73	-	15	20	100	0
Acetophenone	1.472	1.461	-	0.7	20	114	0
m-Toluidine	1.5	1.3	-	13.3	20	105	0
2-Chloroaniline	1.381	1.369	-	0.9	20	117	0
IS2_Naphthalene-d8	1	1	-	0	20	117	0
a-Terpineol	0.229	0.257	-	-12.2	20	135	0
3-Chloroaniline	0.135	0.13	-	3.7	20	110	0
2,6-Dichlorophenol	0.288	0.303	-	-5.2	20	121	0
1-chloro-2-nitrobenzene	0.114	0.121	-	-6.1	20	123	0
Caprolactam	5	4.219	-	15.6	20	119	0
1,2,4,5-Tetrachlorobenzene	0.428	0.407	-	4.9	20	114	0
Biphenyl	0.969	0.894	-	7.7	20	112	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	5	4.085	-	18.3	20	119	0
Pentachloronitrobenzene	5	4.47	-	10.6	20	114	0
IS2_Phenanthrene-d10	1	1	-	0	20	107	0
Diphenamid	5	4.161	-	16.8	20	108	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 11:20		
Lab File ID	: ADP0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-5	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
1,4-Dioxane	0.528	0.417	-	21*	20	108	0
n-Decane	1.421	1.262	-	11.2	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	130	0
Atrazine	5	4.683	-	6.3	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.368	0.392	-	-6.5	20	126	0
Parathion	5	5.43	-	-8.6	20	135	0
3,3'-Dimethylbenzidine	5	4.992	-	0.2	20	122	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
n-Nitrosodimethylamine	0.63	0.511	-	18.9	20	78	0
Pyridine	0.954	0.681	-	28.6*	20	64	0
2-Fluorophenol	1.028	0.876	-	14.8	20	83	0
Aniline	1.567	1.451	-	7.4	20	90	0
2-Chlorophenol	1.225	1.131	-	7.7	20	89	0
Phenol-d6	1.317	1.13	-	14.2	20	84	0
Phenol	1.421	1.272	-	10.5	20	87	0
Bis(2-chloroethyl)ether	1.017	0.867	-	14.7	20	84	0
1,3-Dichlorobenzene	1.577	1.386	-	12.1	20	87	0
1,4-Dichlorobenzene	1.61	1.433	-	11	20	89	0
1,2-Dichlorobenzene	1.534	1.403	-	8.5	20	91	0
Benzyl alcohol	0.93	0.895	-	3.8	20	93	0
Bis(2-chloroisopropyl)ethe	1.794	1.479	-	17.6	20	82	0
2-Methylphenol	1.079	0.993	-	8	20	93	0
Hexachloroethane	0.589	0.509	-	13.6	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.792	-	8.2	20	92	0
3-Methylphenol/4-Methylphe	1.182	1.048	-	11.3	20	90	0
Nitrobenzene-d5	1.195	1.168	-	2.3	20	94	0
Nitrobenzene	1.222	1.187	-	2.9	20	94	0
Isophorone	2.247	2.108	-	6.2	20	92	0
2-Nitrophenol	0.619	0.644	-	-4	20	102	0
2,4-Dimethylphenol	1.101	1.187	-	-7.8	20	106	0
Bis(2-chloroethoxy)methane	1.4	1.243	-	11.2	20	87	0
2,4-Dichlorophenol	1.285	1.218	-	5.2	20	93	0
1,2,4-Trichlorobenzene	1.555	1.437	-	7.6	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	0.964	-	12.4	20	90	0
Benzoic Acid	0.228	0.154	-	32.5*	20	71	0
4-Chloroaniline	0.121	0.113	-	6.6	20	91	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	94	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.651	-	14.5	20	89	0
1-Methylnaphthalene	0.242	0.233	-	3.7	20	96	0
Hexachlorocyclopentadiene	0.272	0.327	-	-20.2*	20	116	0
2,4,6-Trichlorophenol	0.287	0.292	-	-1.7	20	100	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	100	0
2-Fluorobiphenyl	0.99	0.948	-	4.2	20	99	0
2-Chloronaphthalene	0.852	0.8	-	6.1	20	95	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	102	0
1,4-Dinitrobenzene	0.095	0.115	-	-21.1*	20	116	0
1,3-Dinitrobenzene	0.113	0.134	-	-18.6	20	111	0
Dimethyl phthalate	0.991	1.04	-	-4.9	20	107	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.328	-	-6.1	20	107	0
2,6-Dinitrotoluene	0.185	0.205	-	-10.8	20	105	0
1,2-Dinitrobenzene	0.066	0.083	-	-25.8*	20	113	0
IS1_Acenaphthene-d10	1	1	-	0	20	107	0
3-Nitroaniline	0.309	0.308	-	0.3	20	106	0
Acenaphthene	1.163	0.984	-	15.4	20	99	0
2,4-Dinitrophenol	5	4.006	-	19.9	20	92	0
Dibenzofuran	2.006	1.754	-	12.6	20	103	0
2,4-Dinitrotoluene	0.387	0.431	-	-11.4	20	115	0
4-Nitrophenol	0.23	0.254	-	-10.4	20	116	0
2,3,5,6-Tetrachlorophenol	0.436	0.38	-	12.8	20	95	0
2,3,4,6-Tetrachlorophenol	0.428	0.381	-	11	20	99	0
Diethyl phthalate	1.575	1.446	-	8.2	20	108	0
Fluorene	1.536	1.387	-	9.7	20	104	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	107	0
4-Nitroaniline	0.299	0.308	-	-3	20	105	0
4,6-Dinitro-o-cresol	0.234	0.261	-	-11.5	20	115	0
NDPA/DPA	1.337	1.203	-	10	20	105	0
Azobenzene	1.281	1.142	-	10.9	20	100	0
2,4,6-Tribromophenol	0.286	0.272	-	4.9	20	106	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	107	0
Hexachlorobenzene	0.656	0.602	-	8.2	20	110	0
Pentachlorophenol	0.356	0.277	-	22.2*	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	113	0
Phenanthrene	1.183	1.032	-	12.8	20	108	0
Anthracene	1.16	1.059	-	8.7	20	111	0
Carbazole	1.064	0.995	-	6.5	20	111	0
Di-n-butylphthalate	1.207	1.149	-	4.8	20	110	0
Fluoranthene	1.422	1.351	-	5	20	116	0
Benzidine	0.772	0.896	-	-16.1	20	127	0
Pyrene	1.52	1.44	-	5.3	20	114	0
4-Terphenyl-d14	1.157	1.098	-	5.1	20	117	0
Butyl benzyl phthalate	0.517	0.531	-	-2.7	20	116	0
IS1_Chrysene-d12	1	1	-	0	20	123	0
Benzo(a)anthracene	1.355	1.214	-	10.4	20	120	0
3,3'-Dichlorobenzidine	0.505	0.473	-	6.3	20	116	0
Chrysene	1.349	1.167	-	13.5	20	117	0
Bis(2-ethylhexyl)phthalate	0.726	0.689	-	5.1	20	116	0
Di-n-octylphthalate	1.212	1.183	-	2.4	20	120	0
Benzo(b)fluoranthene	1.42	1.33	-	6.3	20	125	0
Benzo(k)fluoranthene	1.383	1.27	-	8.2	20	115	0
Benzo(a)pyrene	1.267	1.243	-	1.9	20	124	0
IS1_Perylene-d12	1	1	-	0	20	124	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.148	-	7	20	122	0
Dibenzo(a,h)anthracene	1.213	1.149	-	5.3	20	122	0
Benzo(ghi)perylene	1.192	1.138	-	4.5	20	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 21:06		
Lab File ID	: AP90310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
Benzaldehyde	0.703	0.714	-	-1.6	20	104	0
Acetophenone	1.403	1.412	-	-0.6	20	107	0
m-Toluidine	1.287	1.277	-	0.8	20	107	0
2-Chloroaniline	1.368	1.396	-	-2	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	119	0
a-Terpineol	0.221	0.216	-	2.3	20	110	0
3-Chloroaniline	0.115	0.108	-	6.1	20	102	0
2,6-Dichlorophenol	0.296	0.313	-	-5.7	20	117	0
1-chloro-2-nitrobenzene	0.113	0.127	-	-12.4	20	120	0
Caprolactam	0.123	0.125	-	-1.6	20	117	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	114	0
Biphenyl	0.842	0.865	-	-2.7	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	126	0
Dichloran	0.169	0.192	-	-13.6	20	146	0
Pentachloronitrobenzene	0.187	0.205	-	-9.6	20	143	0
IS2_Phenanthrene-d10	1	1	-	0	20	132	0
Diphenamid	0.416	0.466	-	-12	20	142	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 22:15		
Lab File ID	: ADP0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
1,4-Dioxane	0.381	0.355	-	6.8	20	94	0
n-Decane	1.048	0.951	-	9.3	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	119	0
Atrazine	0.343	0.406	-	-18.4	20	142	0
IS3_Phenanthrene-d10	1	1	-	0	20	132	0
n-Octadecane	0.334	0.305	-	8.7	20	121	0
Parathion	5	5.593	-	-11.9	20	167	0
3,3'-Dimethylbenzidine	5	5.422	-	-8.4	20	164	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	105	0.00
2	t	n-Nitrosodimethylamine		0.760	0.822	-8.2	115	0.00
3	t	Pyridine		1.219	1.309	-7.4	114	0.00
4	S	2-Fluorophenol		1.245	1.168	6.2	100	0.00
5	T	Aniline		1.771	1.759	0.7	102	0.00
6	t	2-Chlorophenol		1.365	1.305	4.4	99	0.00
7	S	Phenol-d6		1.498	1.508	-0.7	108	0.00
8	T	Phenol		1.555	1.592	-2.4	107	0.00
9	T	Bis(2-chloroethyl)ether		1.280	1.222	4.5	100	0.00
10	T	1,3-Dichlorobenzene		1.669	1.521	8.9	98	0.00
11	T	1,4-Dichlorobenzene		1.700	1.543	9.2	98	0.00
12	T	1,2-Dichlorobenzene		1.630	1.474	9.6	97	0.00
13	t	Benzyl alcohol		1.060	1.089	-2.7	108	0.00
14	T	Bis(2-chloroisopropyl)ether		2.014	1.679	16.6	90	0.00
15	T	2-Methylphenol		1.123	1.065	5.2	98	0.00
16	T	Hexachloroethane		0.614	0.614	0.0	108	0.00
17	T	n-Nitrosodi-n-propylamine		0.940	0.941	-0.1	103	0.00
18	T	3-Methylphenol/4-Methylphen		1.225	1.147	6.4	97	0.00
19	S	Nitrobenzene-d5		1.359	1.428	-5.1	110	0.00
20	T	Nitrobenzene		1.389	1.465	-5.5	112	0.00
21	T	Isophorone		2.416	2.571	-6.4	109	0.00
22	T	2-Nitrophenol		0.713	0.669	6.2	94	0.00
23	T	2,4-Dimethylphenol		1.119	0.562	49.8#	53	0.00
24	T	Bis(2-chloroethoxy)methane		1.614	1.588	1.6	102	0.00
25	T	2,4-Dichlorophenol		1.250	1.117	10.6	90	0.00
26	T	1,2,4-Trichlorobenzene		1.449	1.306	9.9	98	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	100	0.00
36	T	Naphthalene		1.129	1.064	5.8	98	0.00
37	T	Benzoic Acid	*	5.000	5.051	-1.0	104	0.00
38	T	4-Chloroaniline		0.127	0.136	-7.1	106	0.00
39	T	Hexachlorobutadiene		0.239	0.245	-2.5	103	0.00
40	T	p-Chloro-m-cresol		0.296	0.316	-6.8	104	0.00
41	T	2-Methylnaphthalene		0.752	0.714	5.1	96	0.00
42	T	1-Methylnaphthalene		0.243	0.255	-4.9	108	0.00
43	T	Hexachlorocyclopentadiene		0.262	0.223	14.9	86	0.00
44	T	2,4,6-Trichlorophenol		0.275	0.243	11.6	86	0.00
45	T	2,4,5-Trichlorophenol		0.285	0.261	8.4	91	0.00
46	S	2-Fluorobiphenyl		0.926	0.829	10.5	91	0.00

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.785	0.704	10.3	92	0.00
48	T	2-Nitroaniline		0.223	0.213	4.5	91	0.00
49	T	1,4-Dinitrobenzene		0.114	0.110	3.5	90	0.00
50	T	1,3-Dinitrobenzene		0.125	0.127	-1.6	93	0.00
51	T	Dimethyl phthalate		0.915	0.869	5.0	92	0.00
52	T	Acenaphthylene		1.170	1.079	7.8	92	0.00
53	T	2,6-Dinitrotoluene		0.186	0.189	-1.6	93	0.00
54	T	1,2-Dinitrobenzene		0.081	0.082	-1.2	96	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	102	0.00
64	T	3-Nitroaniline		0.323	0.299	7.4	91	0.00
65	T	Acenaphthene		1.157	1.027	11.2	95	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.203	15.9	79	0.00
67	T	Dibenzofuran		1.872	1.663	11.2	96	0.00
68	T	2,4-Dinitrotoluene		0.419	0.423	-1.0	98	0.00
69	T	4-Nitrophenol		0.239	0.251	-5.0	100	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.390	0.368	5.6	92	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.385	0.367	4.7	94	0.00
72	T	Diethyl phthalate		1.518	1.388	8.6	96	0.00
73	T	Fluorene		1.462	1.342	8.2	96	0.00
74	T	4-Chlorophenyl phenyl ether		0.750	0.670	10.7	95	0.00
75	T	4-Nitroaniline		0.329	0.302	8.2	93	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.633	7.3	101	0.00
77	T	NDPA/DPA		1.261	1.146	9.1	93	0.00
78	T	Azobenzene		1.232	1.334	-8.3	110	0.00
79	S	2,4,6-Tribromophenol		0.226	0.200	11.5	89	0.00
80	T	4-Bromophenyl phenyl ether		0.465	0.404	13.1	91	0.00
81	T	Hexachlorobenzene		0.526	0.434	17.5	89	0.00
82	T	Pentachlorophenol		0.319	0.300	6.0	94	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	101	0.00
89	T	Phenanthrene		1.174	1.069	8.9	96	0.00
90	T	Anthracene		1.170	1.056	9.7	96	0.00
91	T	Carbazole		1.054	0.993	5.8	96	0.00
92	T	Di-n-butylphthalate		1.319	1.221	7.4	91	0.00
93	T	Fluoranthene		1.353	1.276	5.7	96	0.00
94	T	Benzidine		0.776	0.466	39.9#	56	0.00
95	T	Pyrene		1.428	1.326	7.1	95	0.00
96	S	4-Terphenyl-d14		1.073	0.953	11.2	91	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.555	0.546	1.6	92	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	94	0.00
105	T	Benzo(a)anthracene	1.379	1.286	6.7	92	0.00
106	T	3,3'-Dichlorobenzidine	0.453	0.421	7.1	84	0.00
107	T	Chrysene	1.324	1.217	8.1	90	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.828	0.843	-1.8	88	0.00
109	T	Di-n-octylphthalate	1.373	1.387	-1.0	86	0.00
110	T	Benzo(b)fluoranthene	1.331	1.274	4.3	93	0.00
111	T	Benzo(k)fluoranthene	1.240	1.171	5.6	87	0.00
112	T	Benzo(a)pyrene	1.155	1.090	5.6	88	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	90	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.213	1.065	12.2	79	0.00
115	T	Dibenzo(a,h)anthracene	1.153	1.034	10.3	80	0.00
116	T	Benzo(ghi)perylene	1.080	0.977	9.5	81	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.372	152	73068	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	7.807	136	265385	4.000	ug/ml	#	0.00
63) IS1_Acenaphthene-d10	9.572	164	170121	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	11.007	188	330097	4.000	ug/ml	#	0.00
104) IS1_Chrysene-d12	13.642	240	331360	4.000	ug/ml		0.00
113) IS1_Perylene-d12	15.107	264	342841	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.413	112	106717	4.694	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 234.70%#				
7) Phenol-d6	6.007	99	137776	5.035	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 251.75%#				
19) Nitrobenzene-d5	7.037	82	130385	5.251	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 525.10%#				
46) 2-Fluorobiphenyl	8.936	172	275005	4.477	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 447.70%#				
79) 2,4,6-Tribromophenol	10.342	330	42433	4.409	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 220.45%#				
96) 4-Terphenyl-d14	12.595	244	393109	4.437	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 443.70%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	2.025	74	75106	5.409	ug/ml	#	62
3) Pyridine	2.072	79	119585	5.372	ug/ml	#	54
5) Aniline	5.960	93	160637	4.965	ug/ml		99
6) 2-Chlorophenol	6.107	128	119230	4.781	ug/ml		95
8) Phenol	6.019	94	145409	5.121	ug/ml		96
9) Bis(2-chloroethyl)ether	6.095	93	111616	4.772	ug/ml	#	81
10) 1,3-Dichlorobenzene	6.295	146	138936	4.558	ug/ml		99
11) 1,4-Dichlorobenzene	6.395	146	140911	4.538	ug/ml		98
12) 1,2-Dichlorobenzene	6.572	146	134641	4.522	ug/ml		98
13) Benzyl alcohol	6.590	79	99486	5.137	ug/ml		96
14) Bis(2-chloroisopropyl)...	6.766	45	153339	4.169	ug/ml	#	46
15) 2-Methylphenol	6.760	108	97278	4.741	ug/ml		98
16) Hexachloroethane	6.966	117	56074	5.000	ug/ml	#	62
17) n-Nitrosodi-n-propylamine	6.913	70	85985	5.006	ug/ml		93
18) 3-Methylphenol/4-Methy...	6.948	108	104736	4.680	ug/ml		97
20) Nitrobenzene	7.060	77	133780	5.273	ug/ml		95
21) Isophorone	7.342	82	234789	5.320	ug/ml	#	94
22) 2-Nitrophenol	7.419	139	61126	4.696	ug/ml	#	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.519	107	51308	2.511	ug/ml	91
24) Bis(2-chloroethoxy)met...	7.613	93	145006	4.918	ug/ml	99
25) 2,4-Dichlorophenol	7.684	162	102053	4.469	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.760	180	119328	4.509	ug/ml	98
36) Naphthalene	7.831	128	353013	4.712	ug/ml	99
37) Benzoic Acid	7.607	105	73187	5.051	ug/ml	95
38) 4-Chloroaniline	7.913	65	45181	5.377	ug/ml	96
39) Hexachlorobutadiene	7.995	225	81411	5.140	ug/ml	96
40) p-Chloro-m-cresol	8.442	107	104796	5.332	ug/ml	95
41) 2-Methylnaphthalene	8.548	142	236938	4.746	ug/ml	98
42) 1-Methylnaphthalene	8.642	115	84604	5.238	ug/ml	87
43) Hexachlorocyclopentadiene	8.725	237	74009	4.259	ug/ml	96
44) 2,4,6-Trichlorophenol	8.848	196	80642	4.416	ug/ml	97
45) 2,4,5-Trichlorophenol	8.878	196	86656	4.584	ug/ml	97
47) 2-Chloronaphthalene	9.025	162	233528	4.487	ug/ml	97
48) 2-Nitroaniline	9.142	138	70610	4.766	ug/ml	93
49) 1,4-Dinitrobenzene	9.278	168	36360	4.806	ug/ml	89
50) 1,3-Dinitrobenzene	9.354	168	41976	5.062	ug/ml#	1
51) Dimethyl phthalate	9.348	163	288185	4.749	ug/ml#	97
52) Acenaphthylene	9.431	152	358047	4.614	ug/ml	99
53) 2,6-Dinitrotoluene	9.389	165	62557	5.071	ug/ml#	87
54) 1,2-Dinitrobenzene	9.431	168	27220	5.090	ug/ml#	1
64) 3-Nitroaniline	9.542	138	63553	4.626	ug/ml	94
65) Acenaphthene	9.601	154	218466	4.439	ug/ml	90
66) 2,4-Dinitrophenol	9.648	184	32638	4.203	ug/ml	93
67) Dibenzofuran	9.772	168	353697	4.443	ug/ml	95
68) 2,4-Dinitrotoluene	9.778	165	89890	5.042	ug/ml	97
69) 4-Nitrophenol	9.736	65	53475	5.263	ug/ml#	88
70) 2,3,5,6-Tetrachlorophenol	9.866	232	78153	4.707	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.907	232	78097	4.765	ug/ml	97
72) Diethyl phthalate	10.042	149	295210	4.573	ug/ml	98
73) Fluorene	10.107	166	285289	4.589	ug/ml	93
74) 4-Chlorophenyl phenyl ...	10.130	204	142514	4.466	ug/ml	90
75) 4-Nitroaniline	10.130	138	64164	4.590	ug/ml#	88
76) 4,6-Dinitro-o-cresol	10.172	198	55553	4.633	ug/ml#	62
77) NDPA/DPA	10.242	169	243742	4.544	ug/ml	98
78) Azobenzene	10.278	77	283773	5.414	ug/ml	99
80) 4-Bromophenyl phenyl e...	10.601	248	85826	4.341	ug/ml#	85
81) Hexachlorobenzene	10.648	284	92232	4.120	ug/ml#	87
82) Pentachlorophenol	10.842	266	63749	4.706	ug/ml	99
89) Phenanthrene	11.030	178	441052	4.554	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	11.077	178	435830	4.513	ug/ml	99
91) Carbazole	11.248	167	409579	4.710	ug/ml	99
92) Di-n-butylphthalate	11.648	149	503813	4.629	ug/ml	99
93) Fluoranthene	12.189	202	526509	4.714	ug/ml#	92
94) Benzidine	12.342	184	192376	3.005	ug/ml#	95
95) Pyrene	12.401	202	547256	4.644	ug/ml	99
97) Butyl benzyl phthalate	13.124	149	225155	4.920	ug/ml	94
105) Benzo(a)anthracene	13.636	228	532791	4.663	ug/ml	100
106) 3,3'-Dichlorobenzidine	13.636	252	174526	4.650	ug/ml#	95
107) Chrysene	13.671	228	504205	4.598	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.766	149	349068	5.089	ug/ml#	94
109) Di-n-octylphthalate	14.442	149	574529	5.051	ug/ml#	72
110) Benzo(b)fluoranthene	14.742	252	527613	4.786	ug/ml#	93
111) Benzo(k)fluoranthene	14.765	252	485070	4.723	ug/ml#	93
112) Benzo(a)pyrene	15.054	252	451517	4.719	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	16.077	276	456517M6	4.392	ug/mL	
115) Dibenzo(a,h)anthracene	16.101	278	443140	4.483	ug/ml#	89
116) Benzo(ghi)perylene	16.324	276	418881	4.526	ug/ml#	85

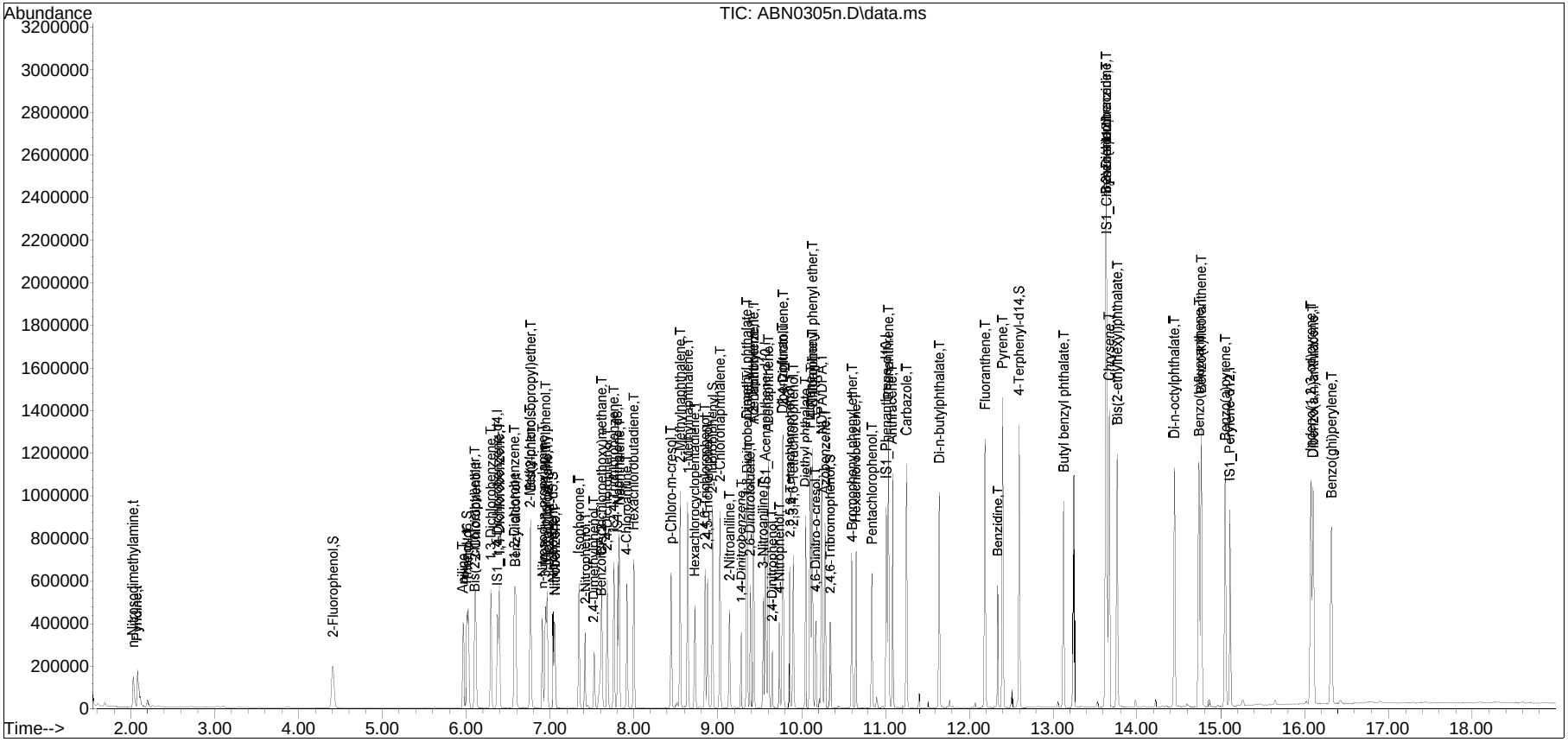
(#) = qualifier out of range (m) = manual integration (+) = signals summed

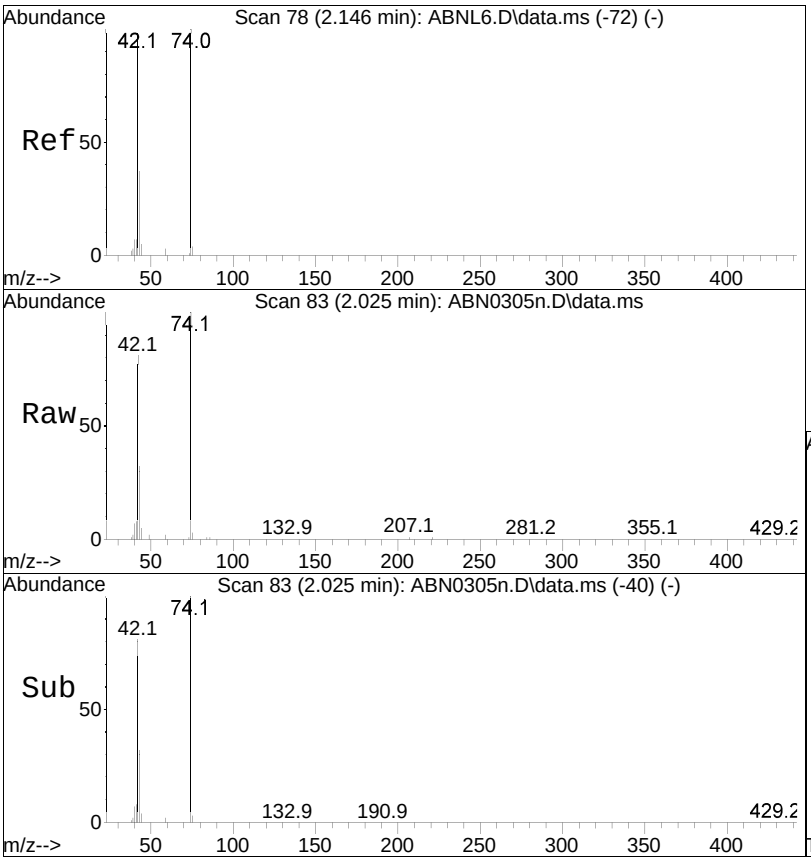
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ABN0305n.D
Acq On : 6 Mar 2025 12:49 am
Operator : SV106:imk
Sample : WG2037122-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2037122,,ical21604
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 01:16:58 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:17:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

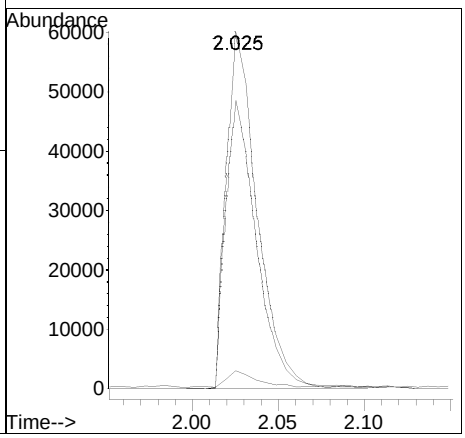


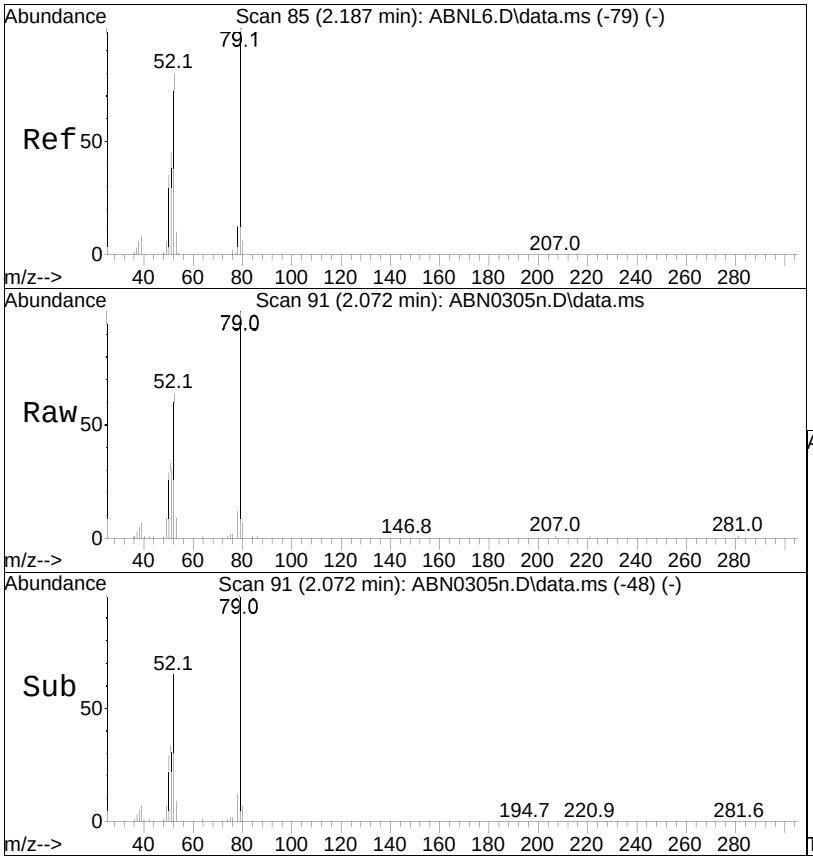


#2
n-Nitrosodimethylamine
Concen: 5.41 ug/ml
RT: 2.025 min Scan# 83
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 74 Resp: 75106

Ion	Ratio	Lower	Upper
74	100		
42	79.8	100.0	150.0#
44	4.8	6.7	10.1#

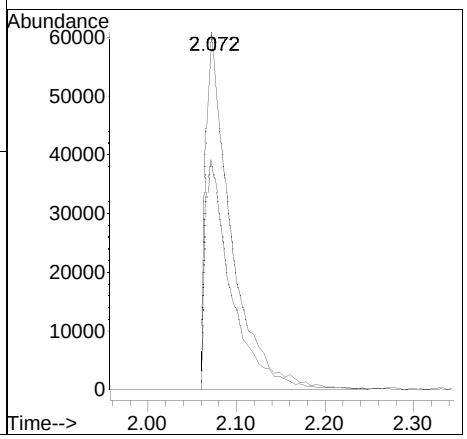


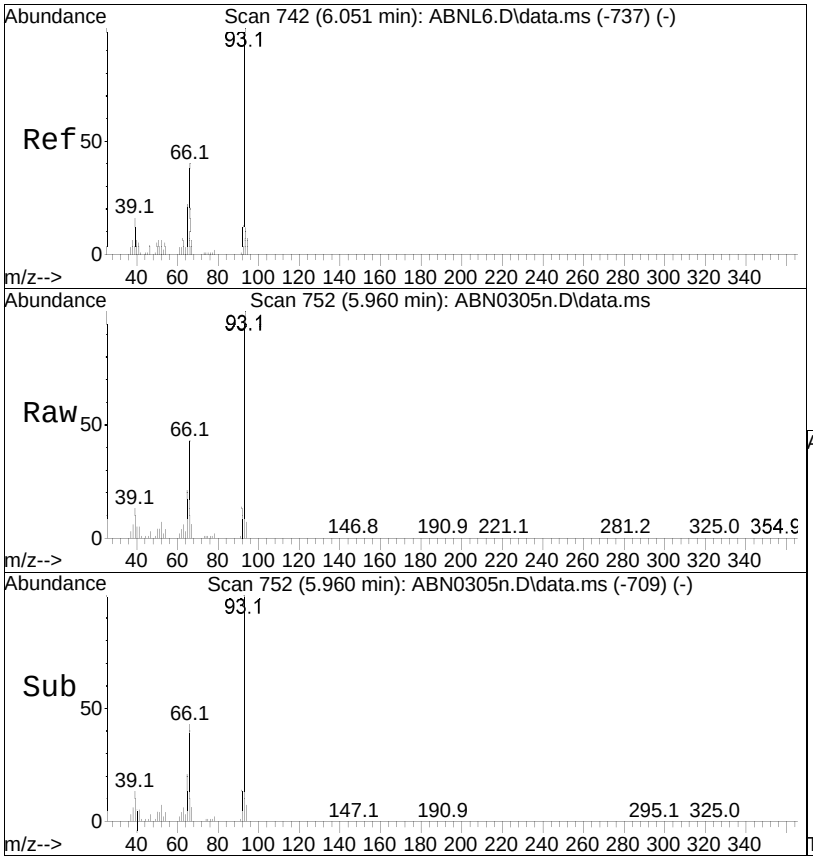


#3
Pyridine
Concen: 5.37 ug/ml
RT: 2.072 min Scan# 91
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 79 Resp: 119585

Ion	Ratio	Lower	Upper
79	100		
52	66.4	93.1	139.7#

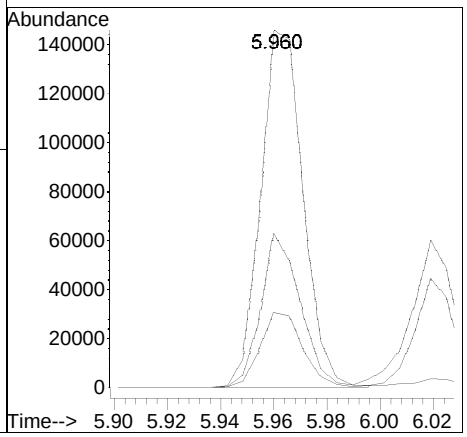


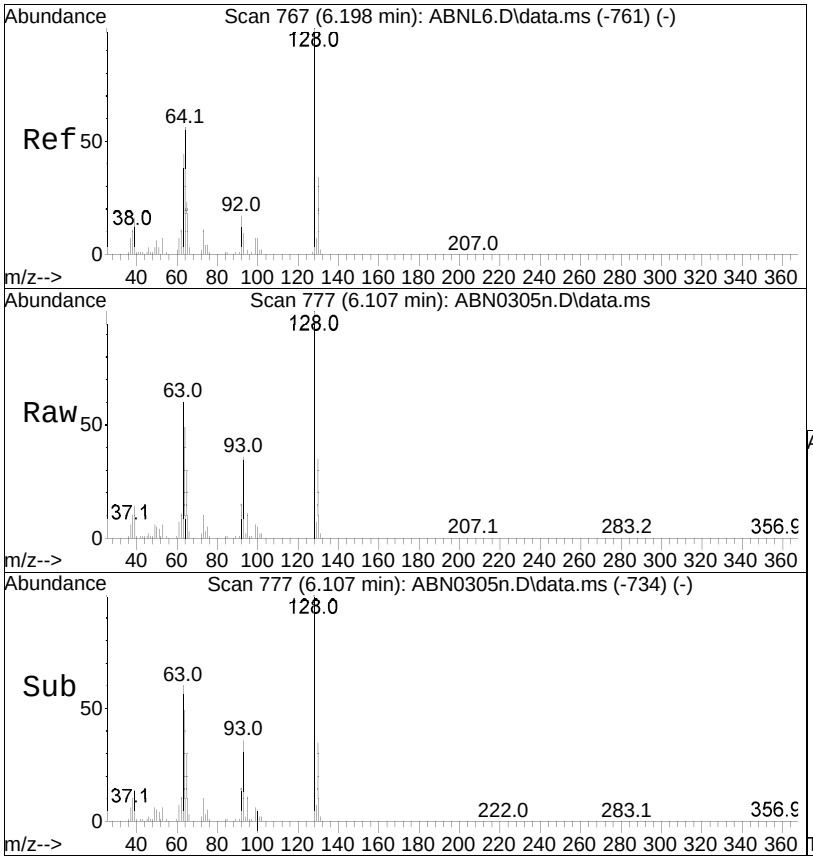


#5
Aniline
Concen: 4.97 ug/ml
RT: 5.960 min Scan# 752
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 93 Resp: 160637

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.6	49.0
65	21.2	17.6	26.4

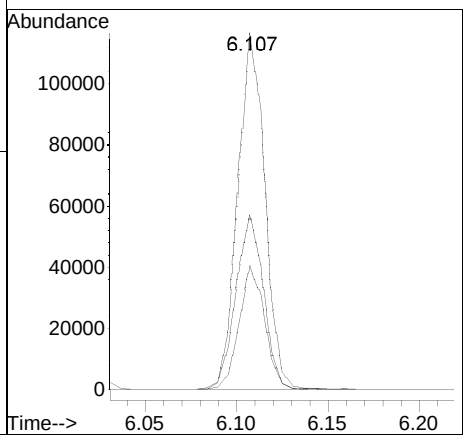


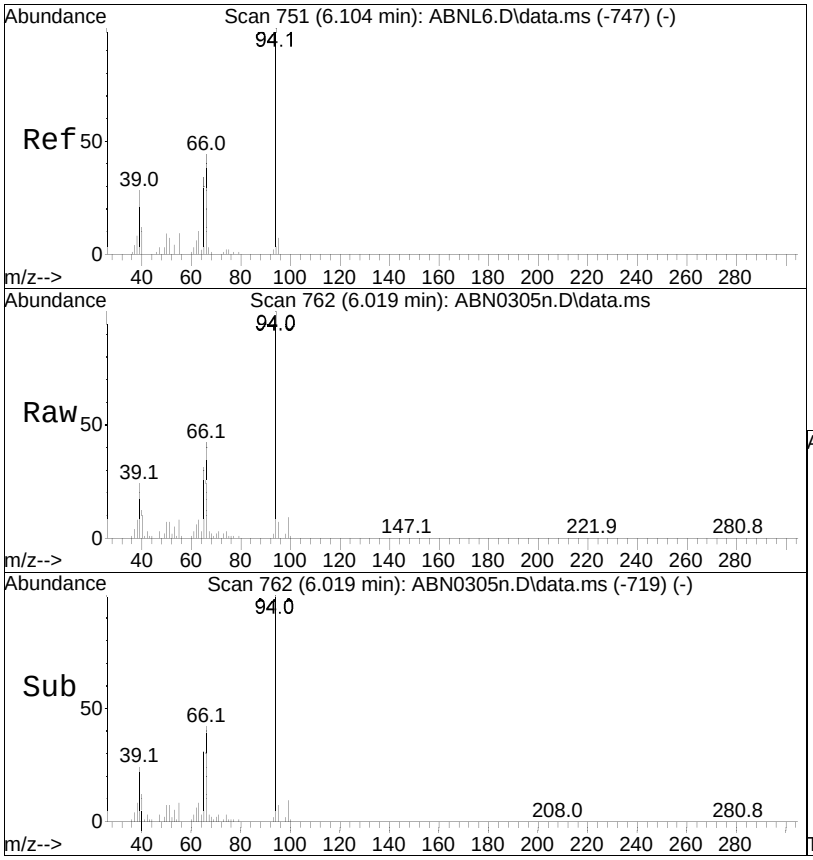


#6
2-Chlorophenol
Concen: 4.78 ug/ml
RT: 6.107 min Scan# 777
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:128 Resp: 119230

Ion	Ratio	Lower	Upper
128	100		
64	50.4	45.1	67.7
130	33.0	26.2	39.4

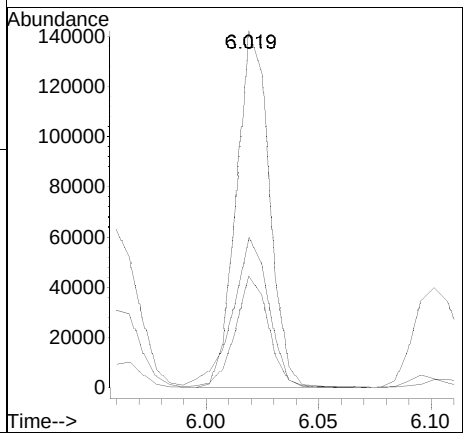


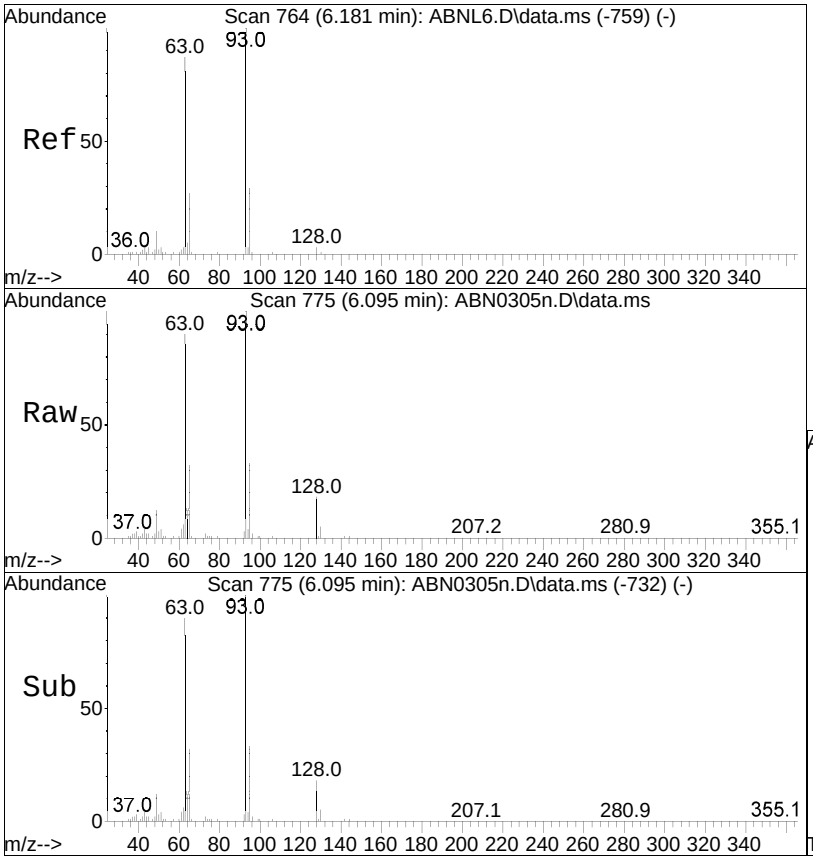


#8
Phenol
Concen: 5.12 ug/ml
RT: 6.019 min Scan# 762
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 94 Resp: 145409

Ion	Ratio	Lower	Upper
94	100		
65	31.9	26.0	39.0
66	46.4	33.8	50.8

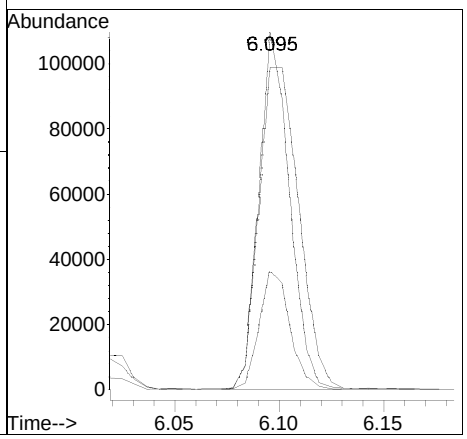


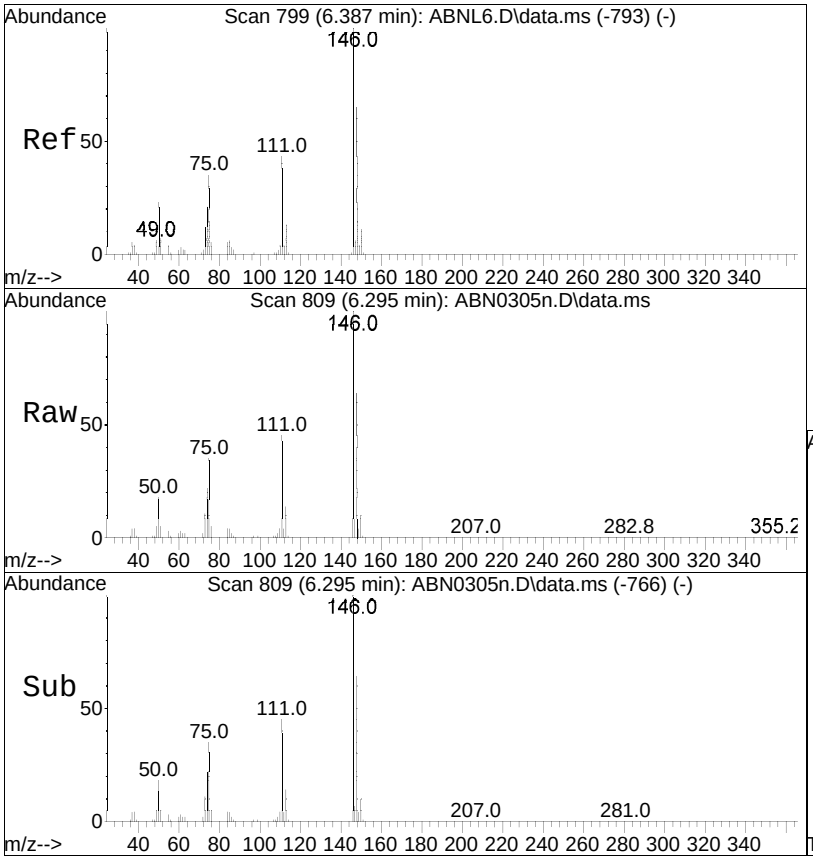


#9
Bis(2-chloroethyl)ether
Concen: 4.77 ug/ml
RT: 6.095 min Scan# 775
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 93 Resp: 111616

Ion	Ratio	Lower	Upper
93	100		
63	116.8	74.6	111.8#
95	33.3	25.9	38.9

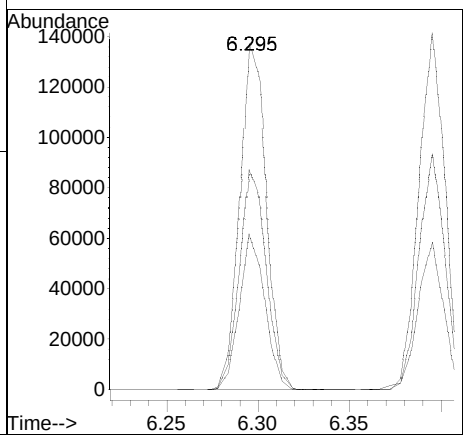


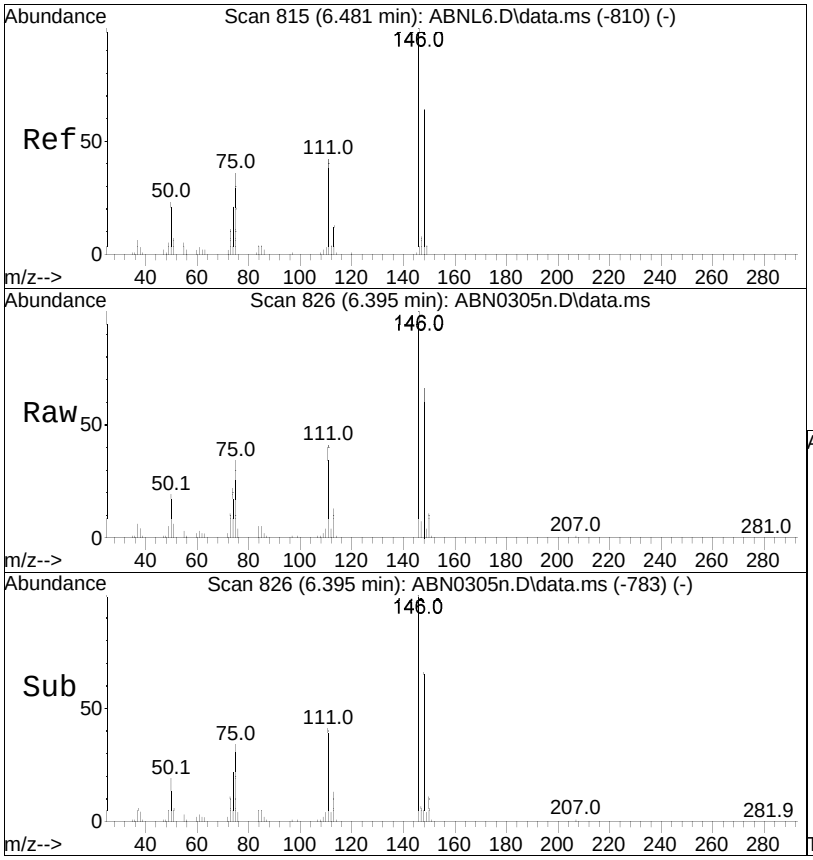


#10
1,3-Dichlorobenzene
Concen: 4.56 ug/ml
RT: 6.295 min Scan# 809
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:146 Resp: 138936

Ion	Ratio	Lower	Upper
146	100		
111	43.3	34.3	51.5
148	64.2	50.8	76.2

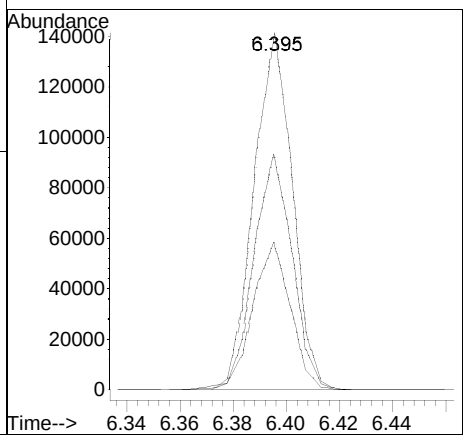


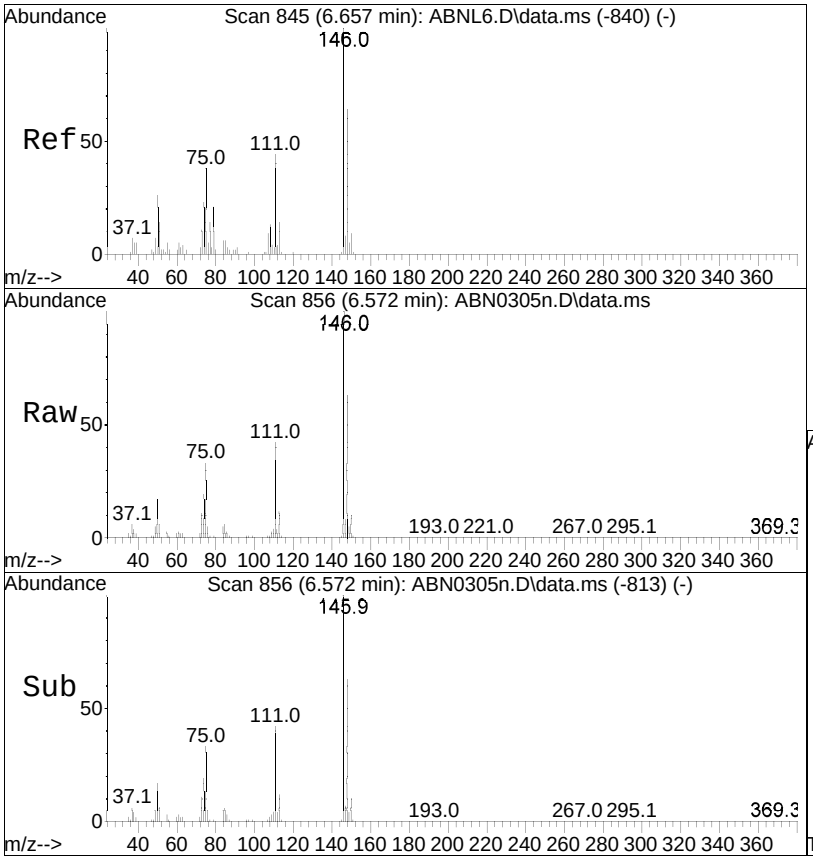


#11
1,4-Dichlorobenzene
Concen: 4.54 ug/ml
RT: 6.395 min Scan# 826
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:146 Resp: 140911

Ion	Ratio	Lower	Upper
146	100		
148	66.1	50.7	76.1
111	41.1	33.4	50.0

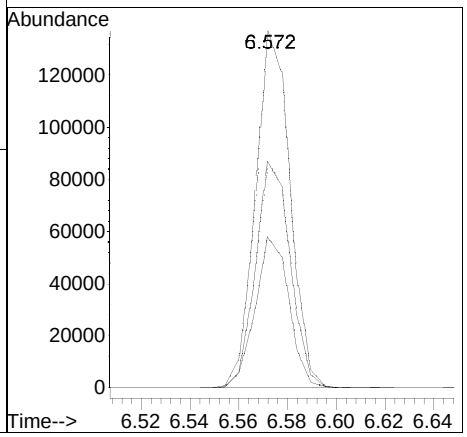


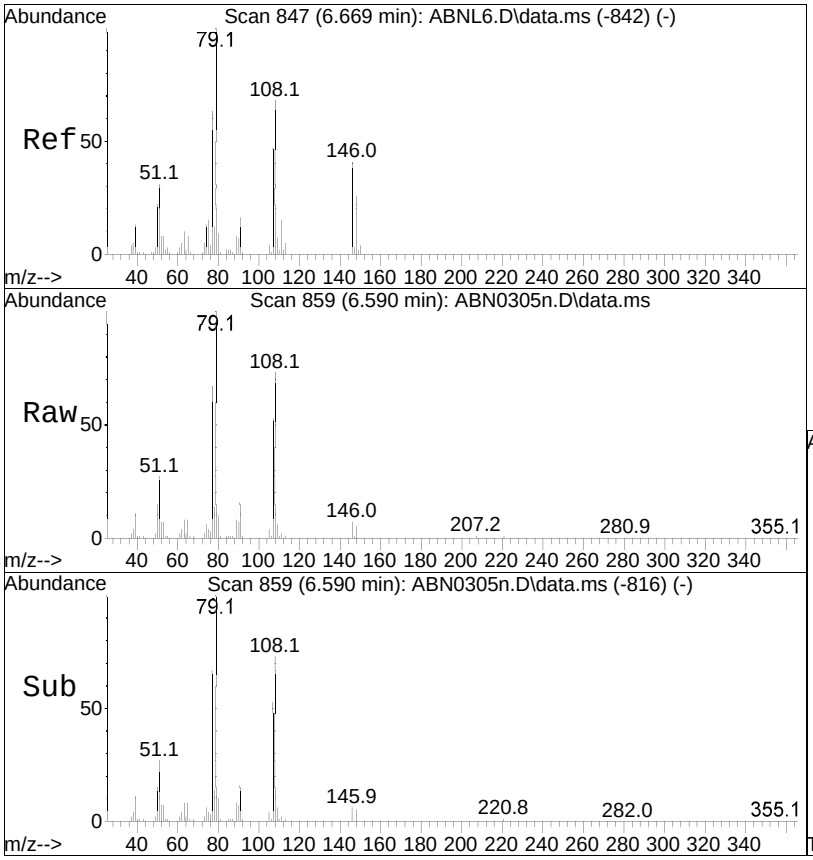


#12
1,2-Dichlorobenzene
Concen: 4.52 ug/ml
RT: 6.572 min Scan# 856
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:146 Resp: 134641

Ion	Ratio	Lower	Upper
146	100		
111	41.8	34.6	52.0
148	64.1	50.2	75.4

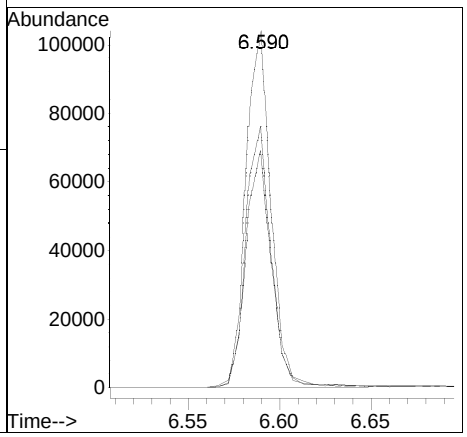


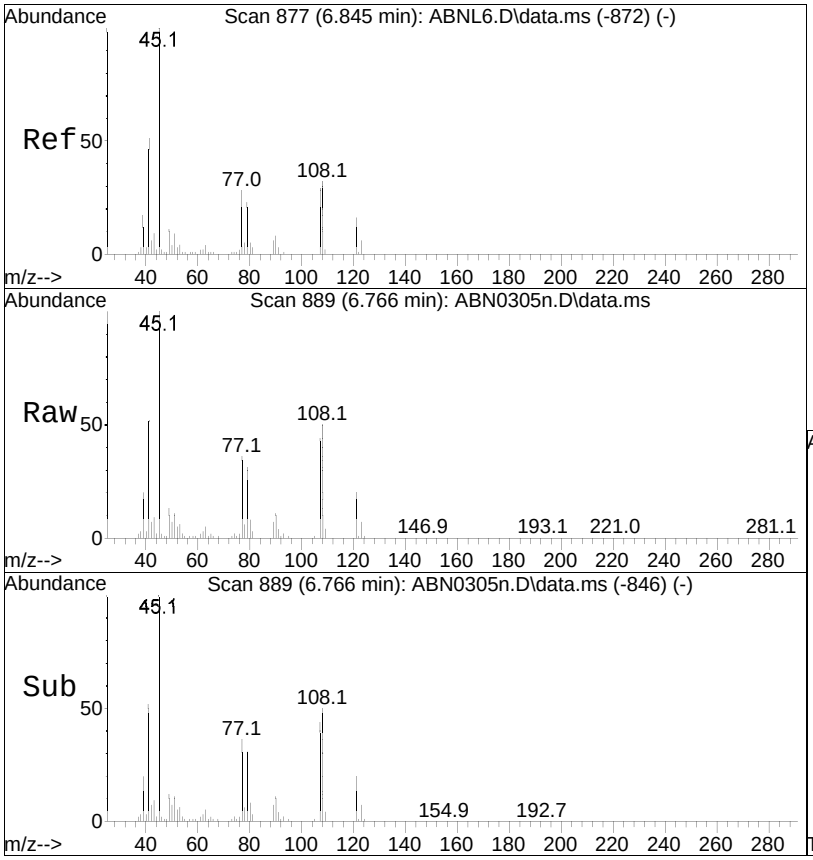


#13
Benzyl alcohol
Concen: 5.14 ug/ml
RT: 6.590 min Scan# 859
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 79 Resp: 99486

Ion	Ratio	Lower	Upper
79	100		
77	67.5	54.9	82.3
108	74.0	63.1	94.7

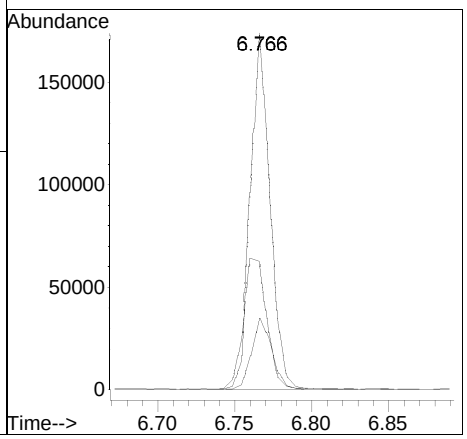


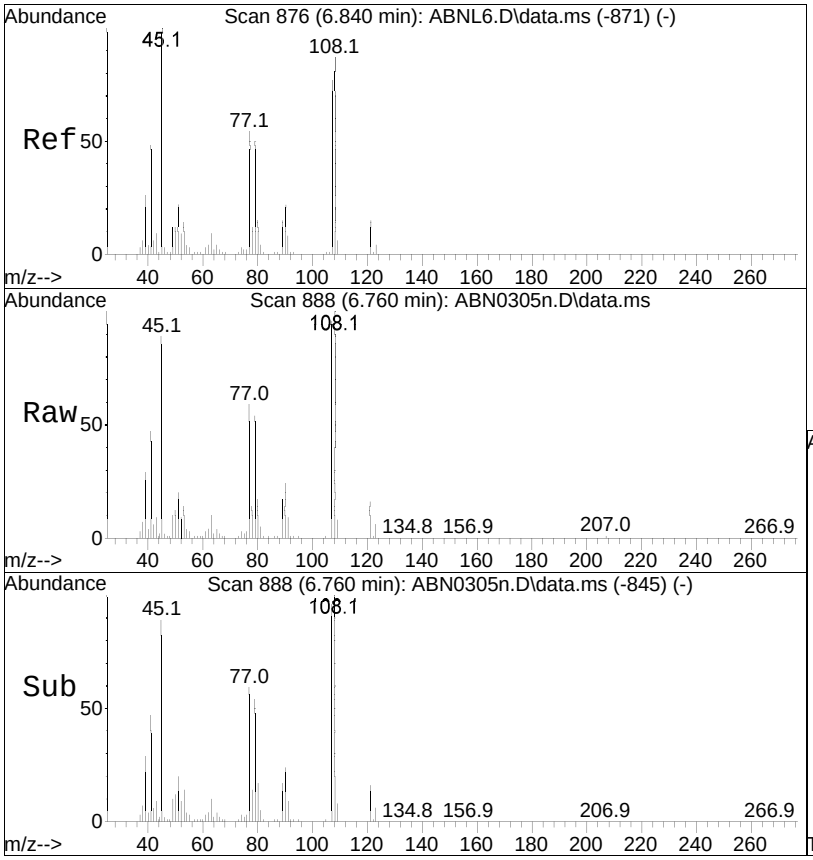


#14
Bis(2-chloroisopropyl)ether
Concen: 4.17 ug/ml
RT: 6.766 min Scan# 889
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 45 Resp: 153339

Ion	Ratio	Lower	Upper
45	100		
121	20.7	9.8	14.6#
77	44.6	6.1	9.1#

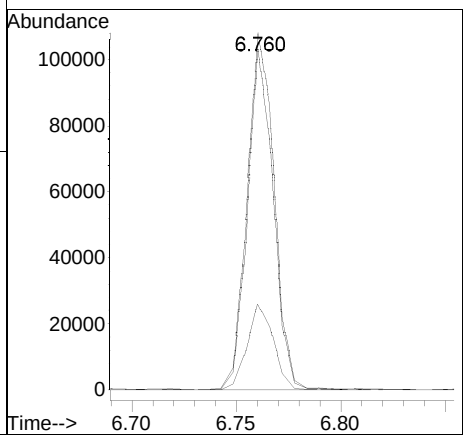


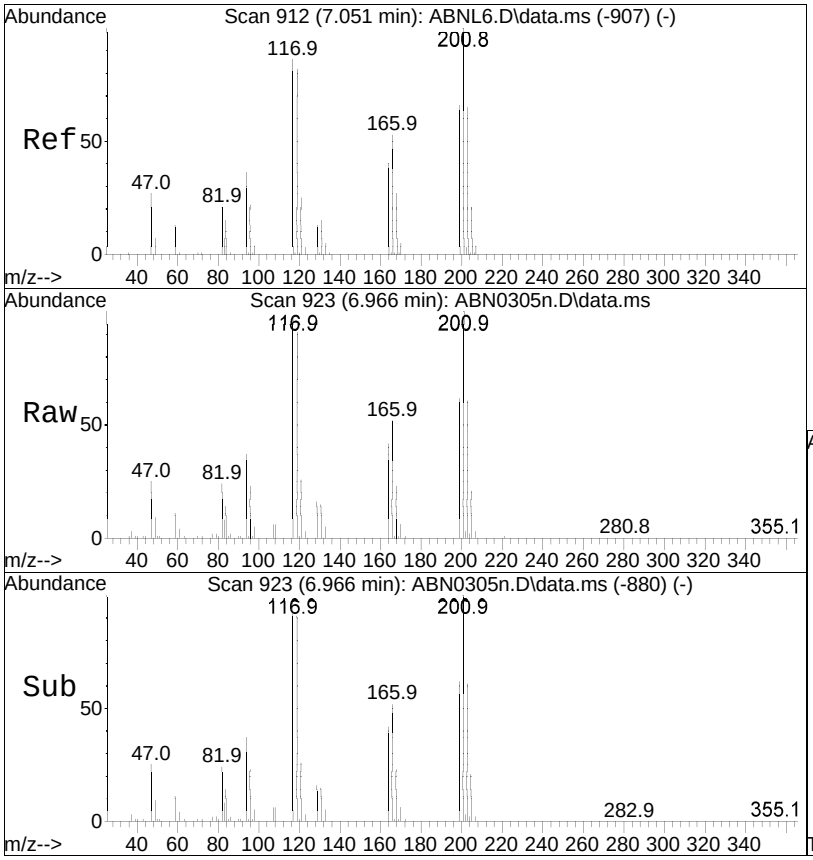


#15
2-Methylphenol
Concen: 4.74 ug/ml
RT: 6.760 min Scan# 888
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:108 Resp: 97278

Ion	Ratio	Lower	Upper
108	100		
107	90.8	70.7	106.1
90	23.2	18.7	28.1

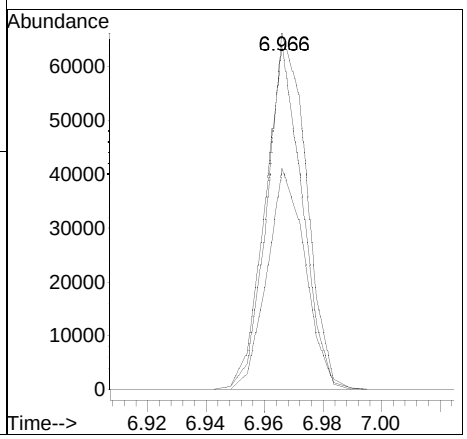


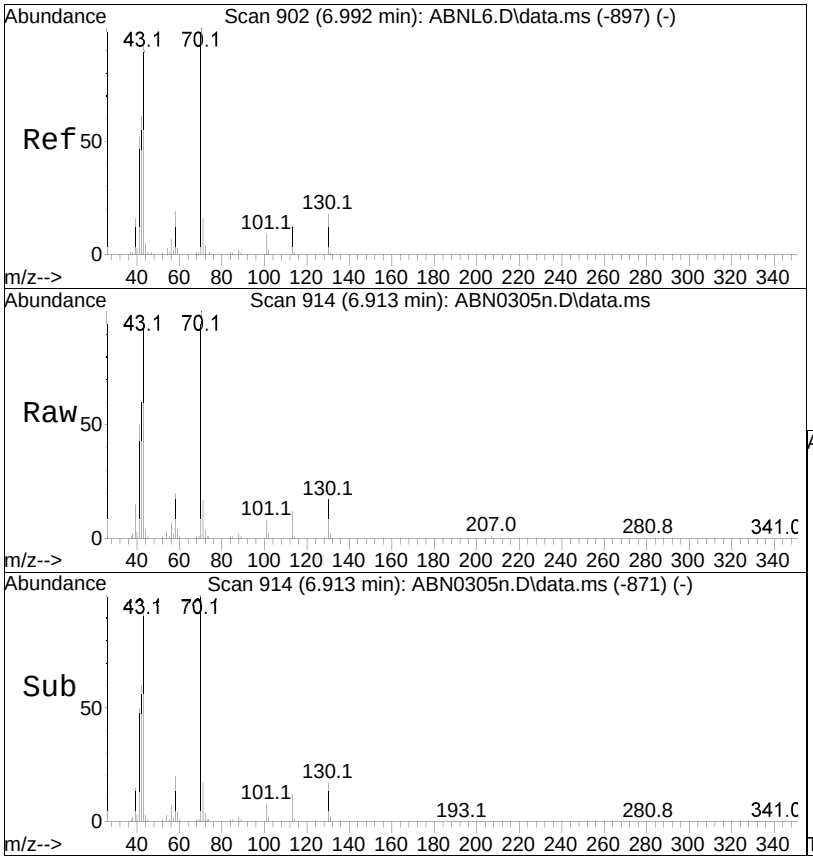


#16
Hexachloroethane
Concen: 5.00 ug/ml
RT: 6.966 min Scan# 923
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:117 Resp: 56074

Ion	Ratio	Lower	Upper
117	100		
201	109.6	58.6	87.8#
199	66.5	36.9	55.3#

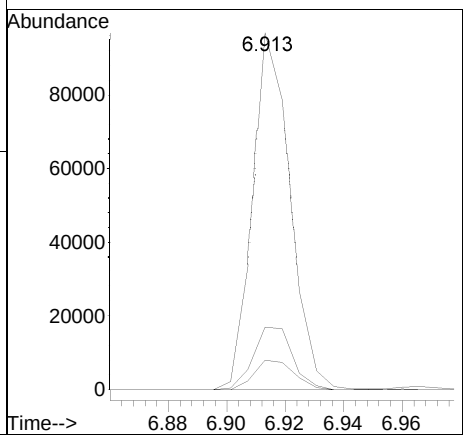


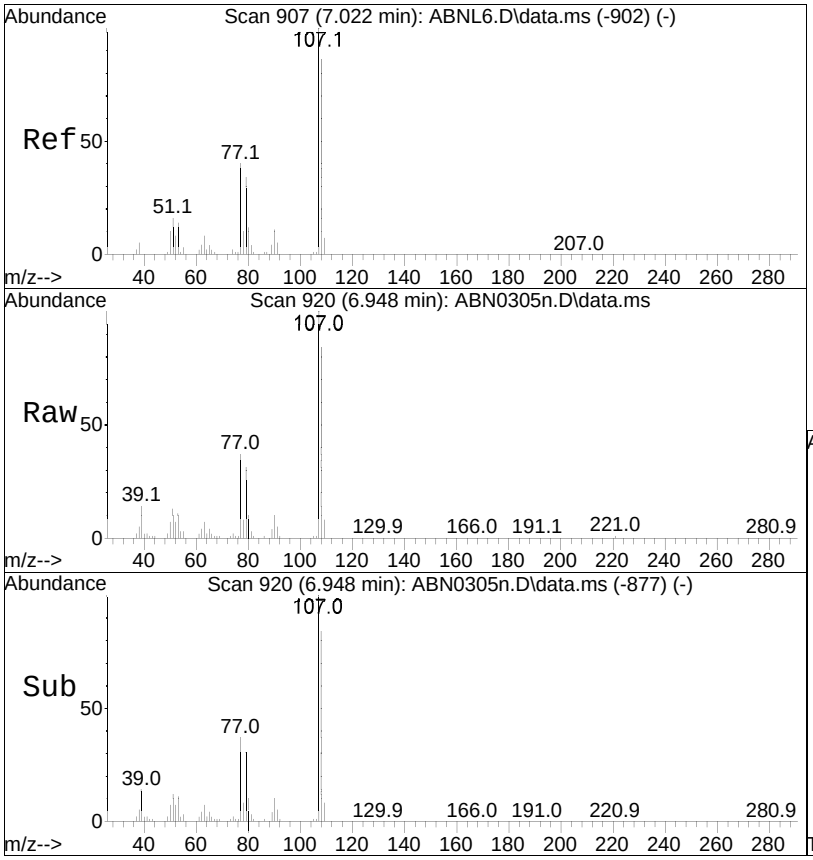


#17
n-Nitrosodi-n-propylamine
Concen: 5.01 ug/ml
RT: 6.913 min Scan# 914
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 70 Resp: 85985

Ion	Ratio	Lower	Upper
70	100		
130	18.4	18.2	27.4
101	8.8	7.8	11.8

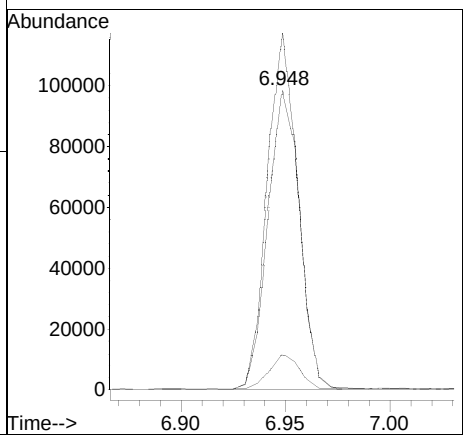


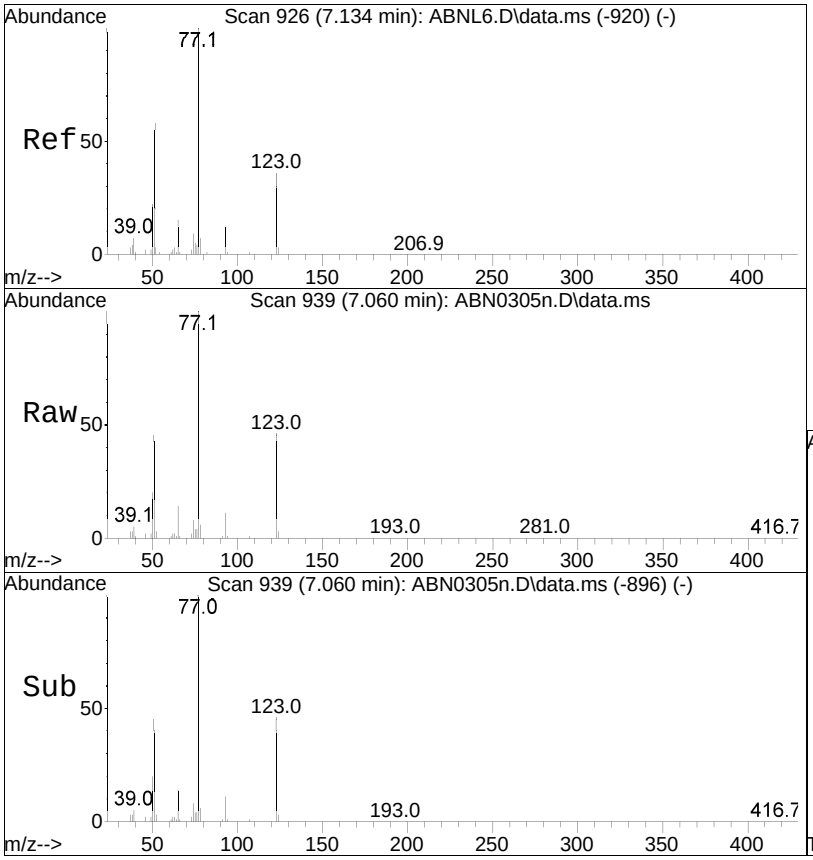


#18
3-Methylphenol/4-Methylphenol
Concen: 4.68 ug/ml
RT: 6.948 min Scan# 920
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:108 Resp: 104736

Ion	Ratio	Lower	Upper
108	100		
107	113.7	88.6	132.8
90	11.3	8.8	13.2

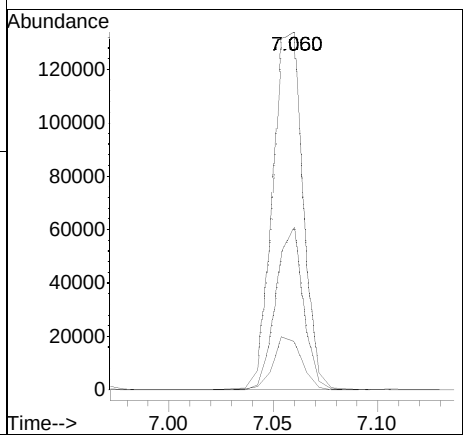


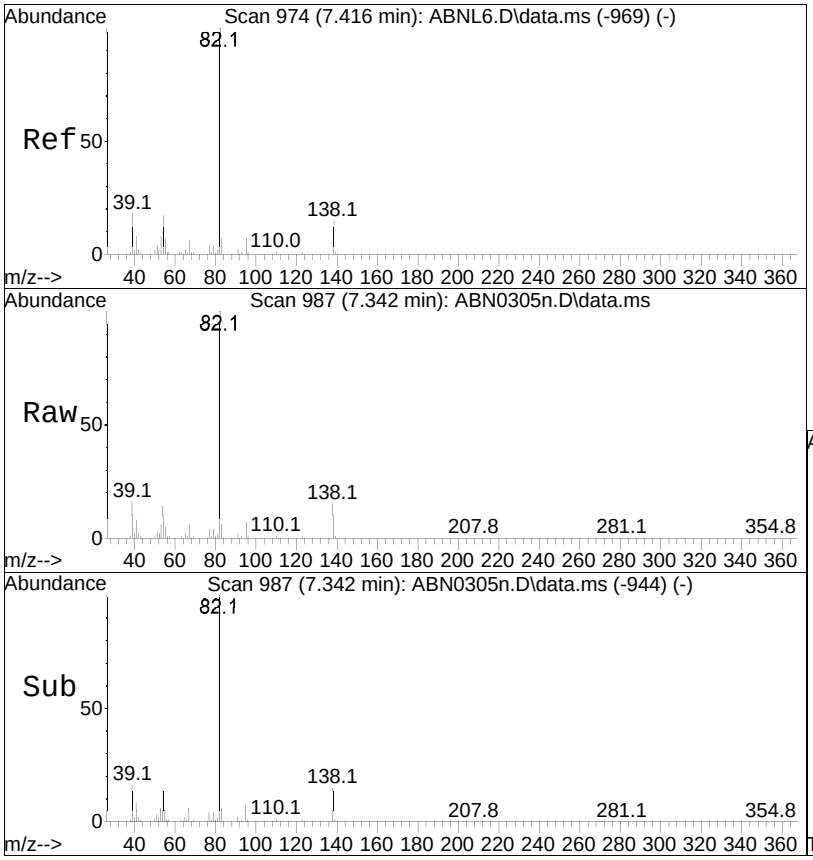


#20
Nitrobenzene
Concen: 5.27 ug/ml
RT: 7.060 min Scan# 939
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 77 Resp: 133780

Ion	Ratio	Lower	Upper
77	100		
123	41.6	36.3	54.5
65	14.1	11.6	17.4

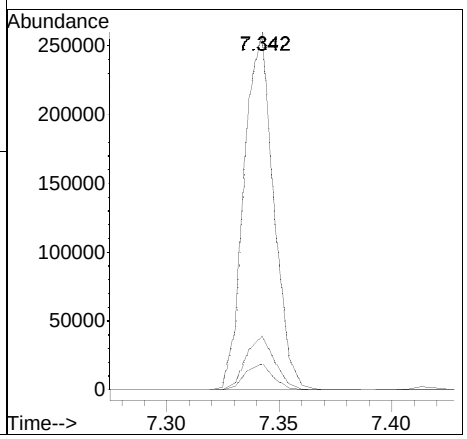


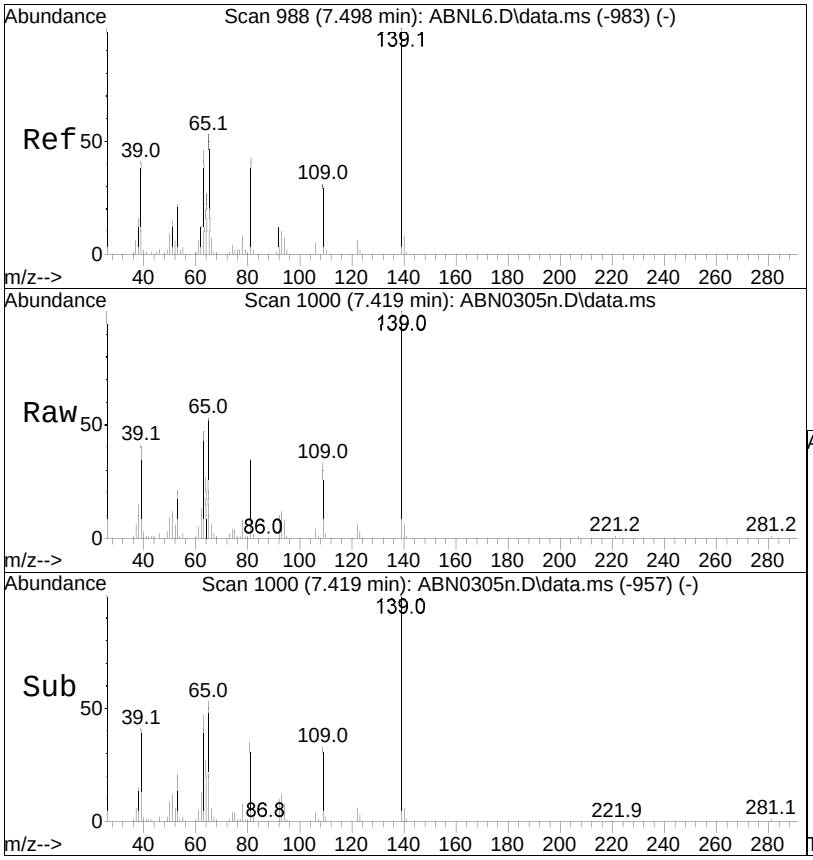


#21
Isophorone
Concen: 5.32 ug/ml
RT: 7.342 min Scan# 987
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 82 Resp: 234789

Ion	Ratio	Lower	Upper
82	100		
138	14.7	14.7	22.1#
95	7.0	5.2	7.8

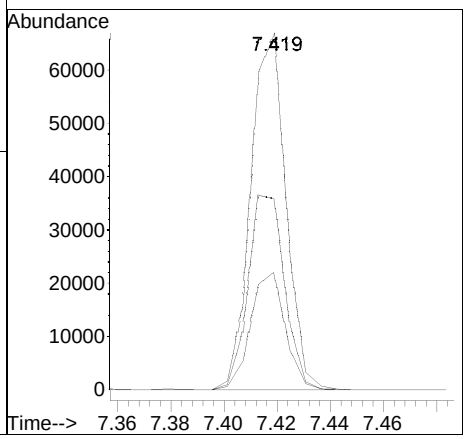


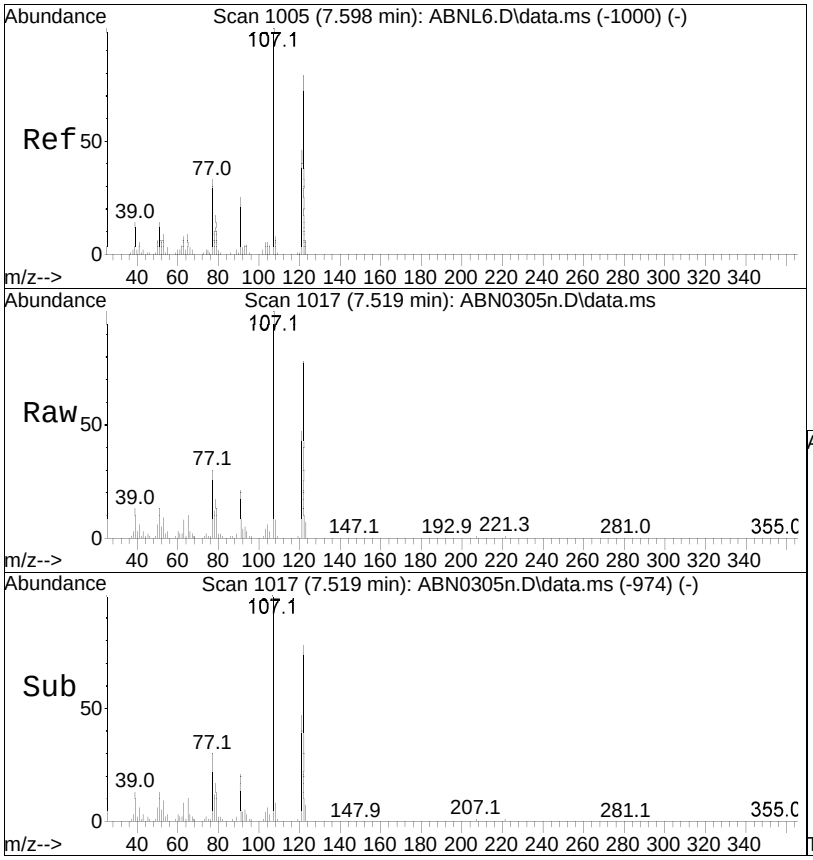


#22
2-Nitrophenol
Concen: 4.70 ug/ml
RT: 7.419 min Scan# 1000
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:139 Resp: 61126

Ion	Ratio	Lower	Upper
139	100		
109	32.7	19.4	29.0#
65	56.7	46.1	69.1

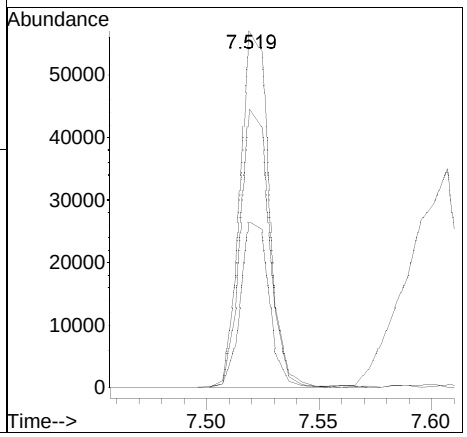


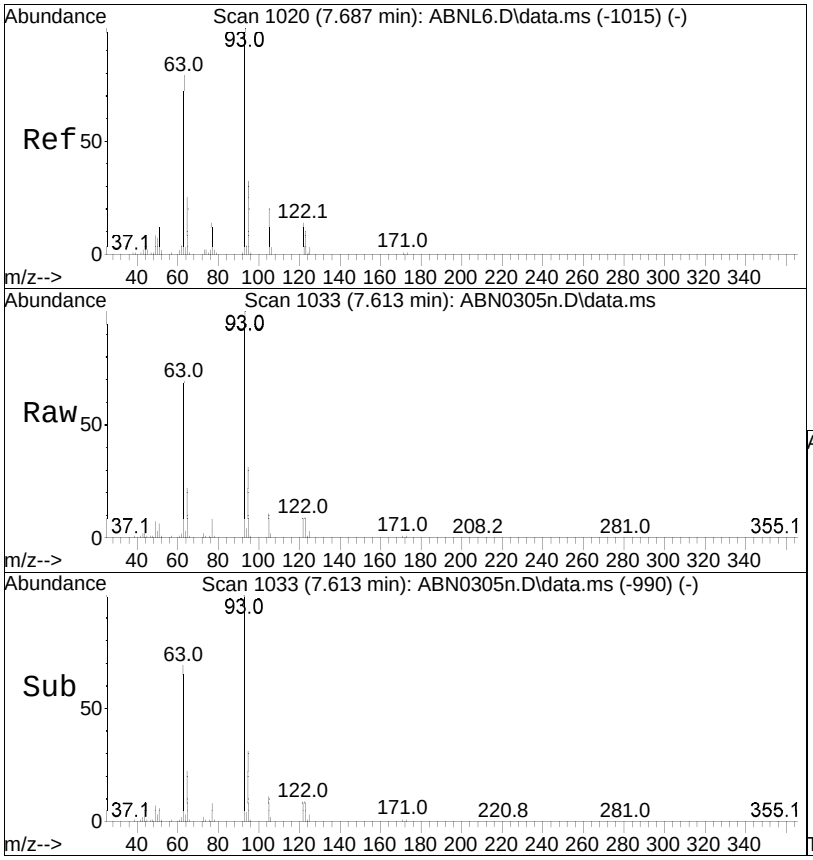


#23
2,4-Dimethylphenol
Concen: 2.51 ug/ml
RT: 7.519 min Scan# 1017
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:107 Resp: 51308

Ion	Ratio	Lower	Upper
107	100		
121	45.7	40.0	60.0
122	77.8	70.2	105.4

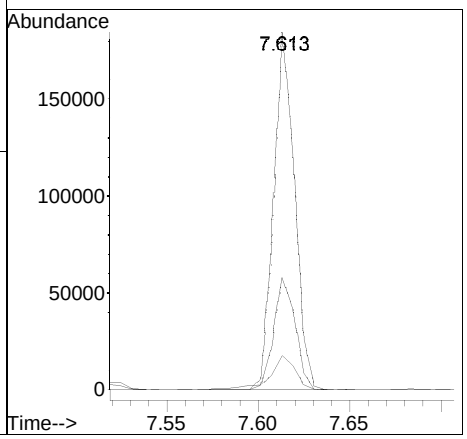


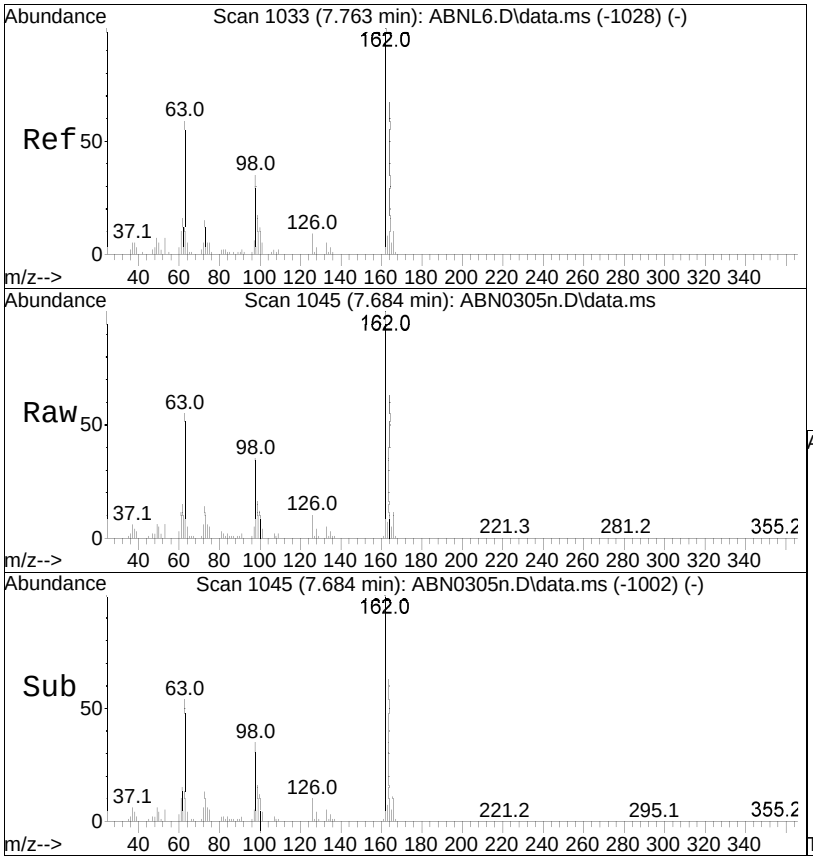


#24
Bis(2-chloroethoxy)methane
Concen: 4.92 ug/ml
RT: 7.613 min Scan# 1033
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 93 Resp: 145006

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.8
123	11.9	10.1	15.1

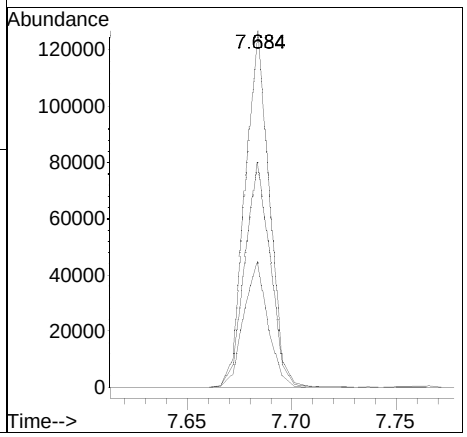


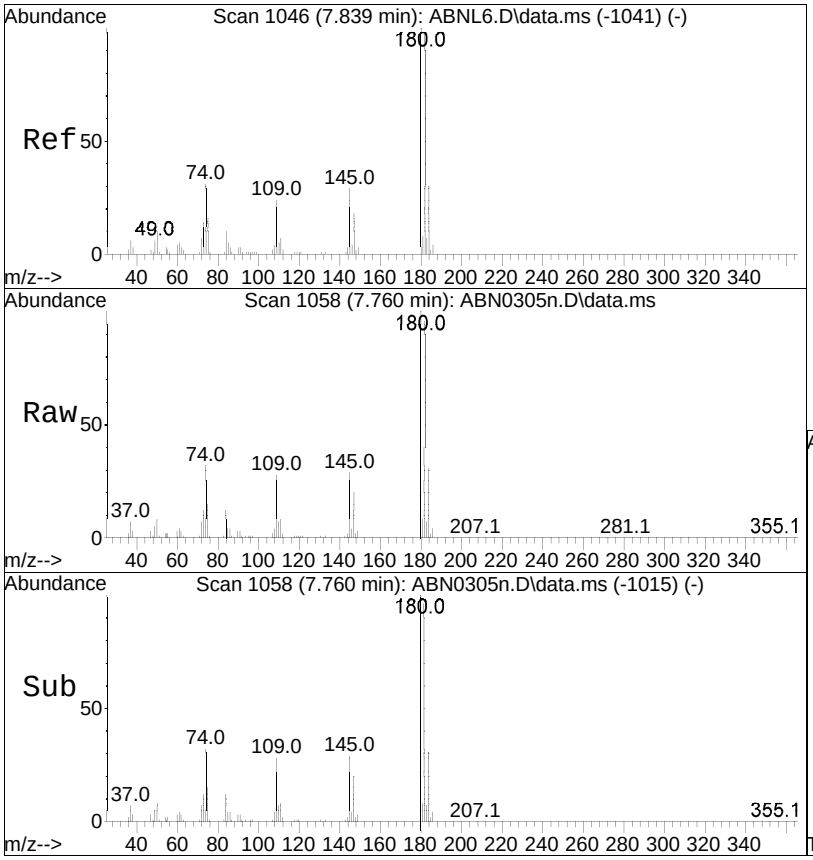


#25
2,4-Dichlorophenol
Concen: 4.47 ug/ml
RT: 7.684 min Scan# 1045
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:162 Resp: 102053

Ion	Ratio	Lower	Upper
162	100		
164	66.7	51.0	76.4
98	35.5	32.2	48.2

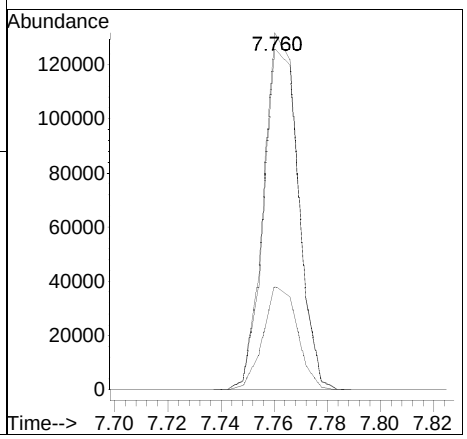


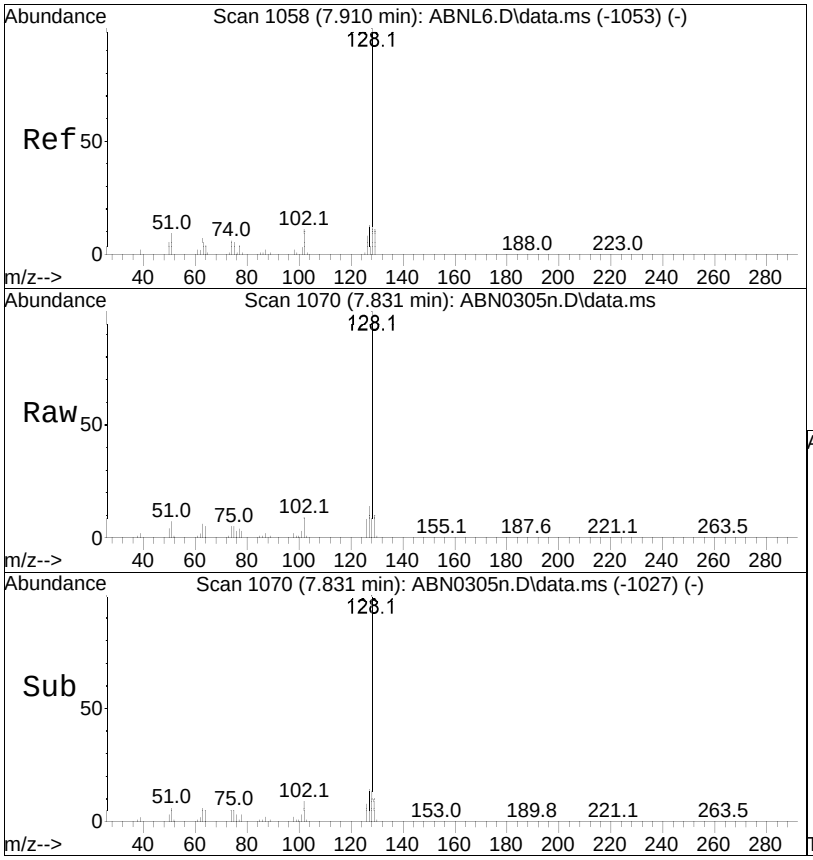


#26
1,2,4-Trichlorobenzene
Concen: 4.51 ug/ml
RT: 7.760 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:180 Resp: 119328

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.0	114.0
145	28.7	25.7	38.5

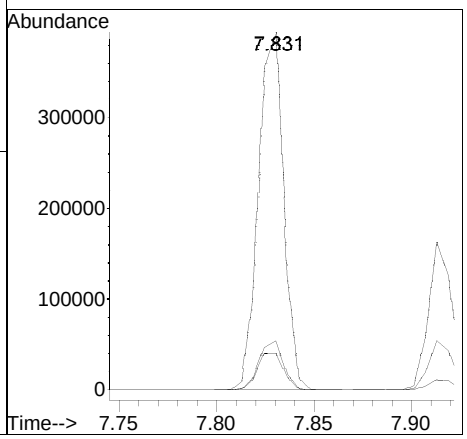


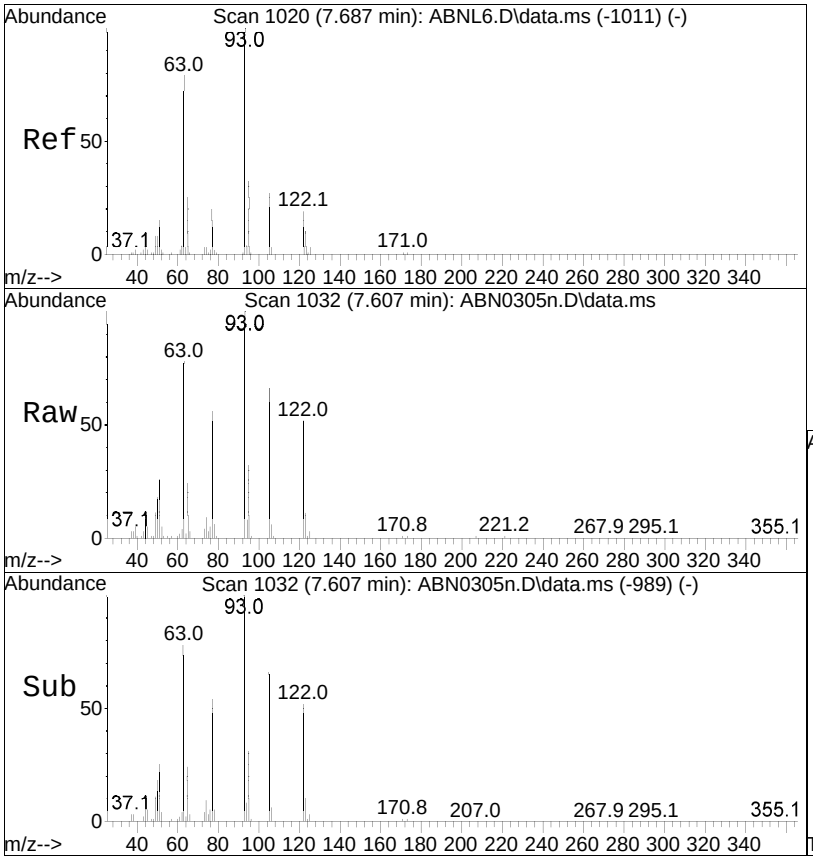


#36
Naphthalene
Concen: 4.71 ug/ml
RT: 7.831 min Scan# 1070
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:128 Resp: 353013

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.3	15.5

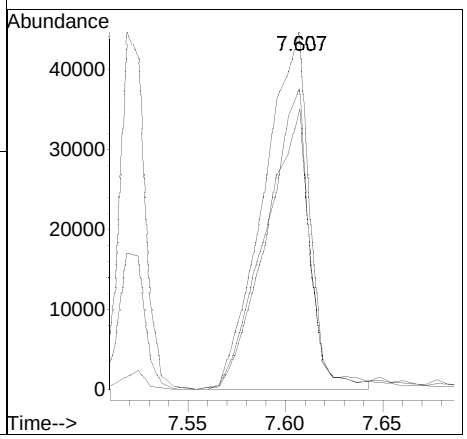


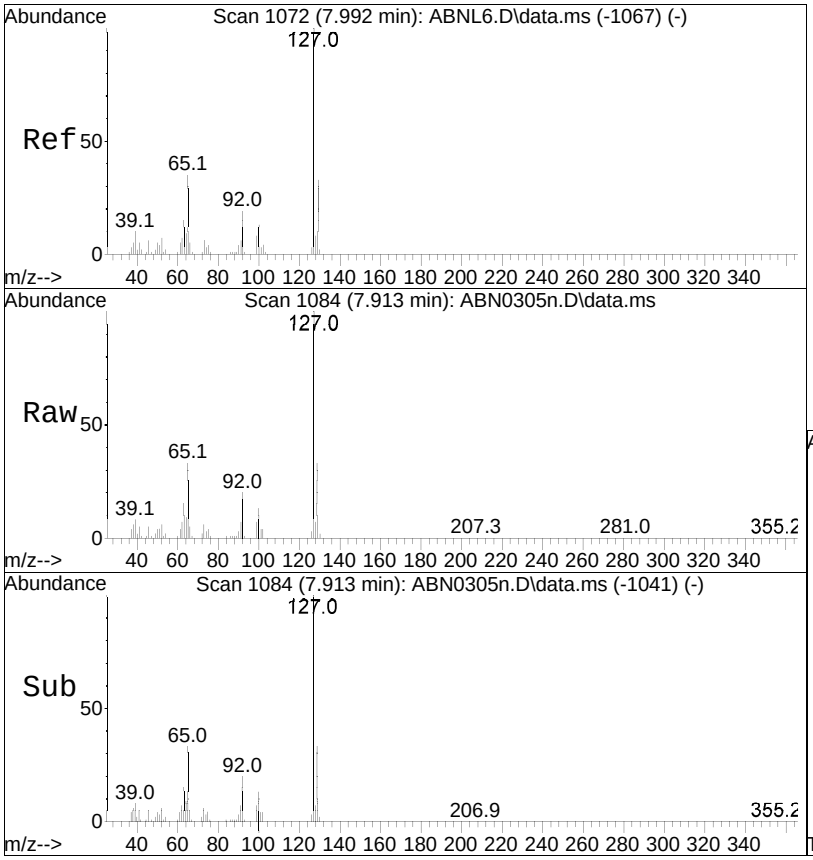


#37
Benzoic Acid
Concen: 5.05 ug/ml
RT: 7.607 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:105 Resp: 73187

Ion	Ratio	Lower	Upper
105	100		
122	77.3	59.9	89.9
77	81.8	60.1	90.1

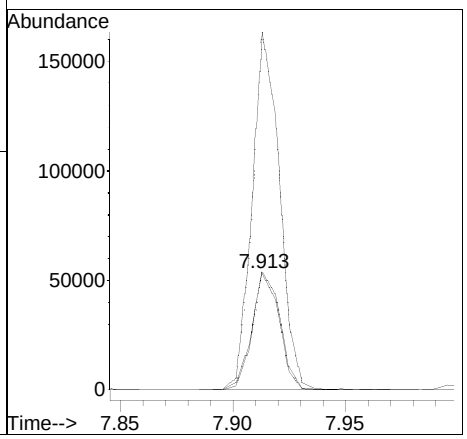


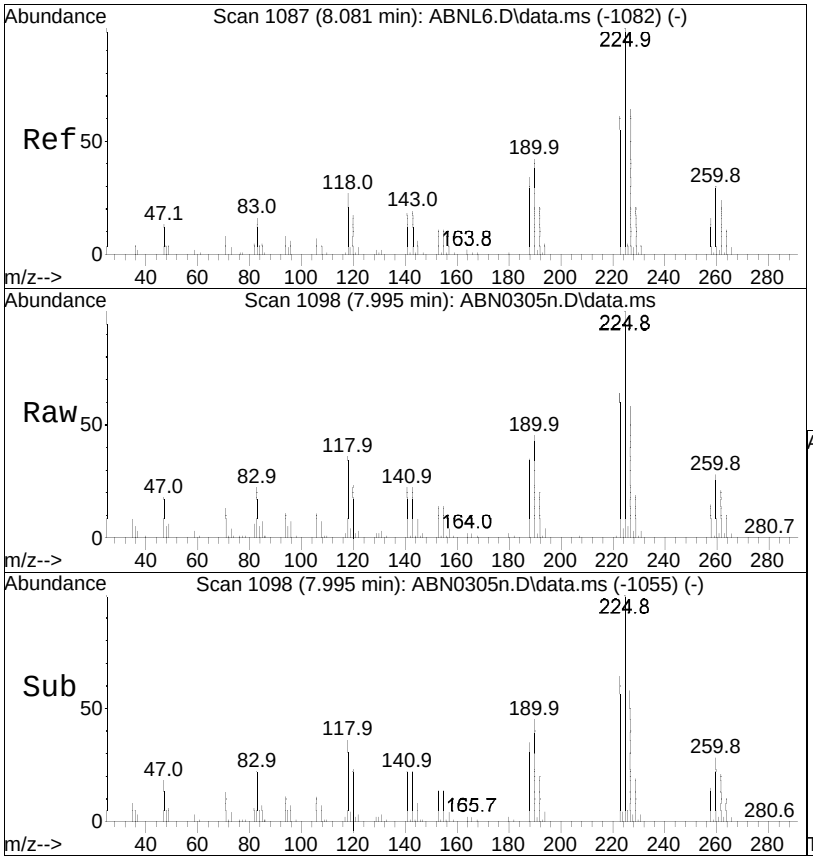


#38
4-Chloroaniline
Concen: 5.38 ug/ml
RT: 7.913 min Scan# 1084
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 65 Resp: 45181

Ion	Ratio	Lower	Upper
65	100		
127	303.0	237.6	356.4
129	101.6	76.3	114.5

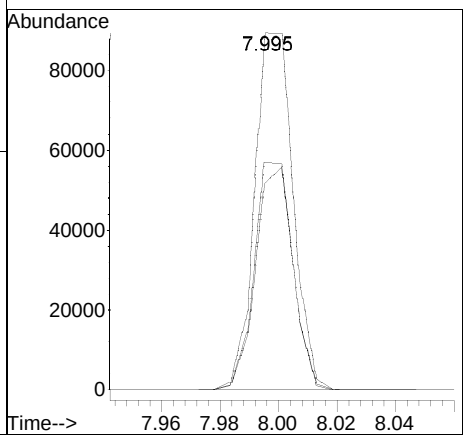


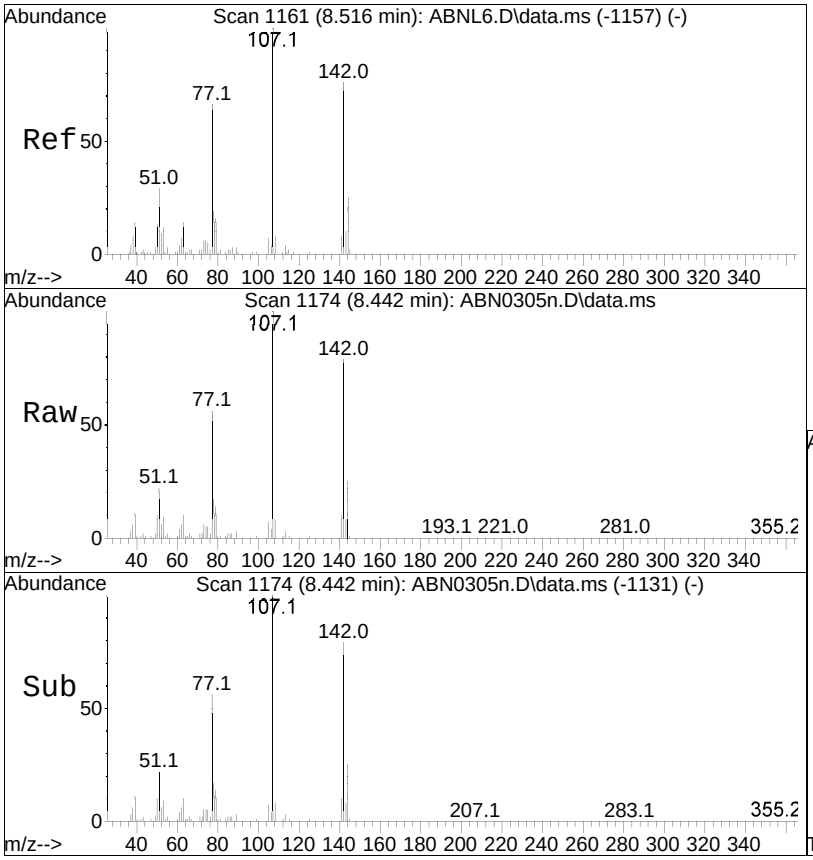


#39
Hexachlorobutadiene
Concen: 5.14 ug/ml
RT: 7.995 min Scan# 1098
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:225 Resp: 81411

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.3	75.5
227	61.1	52.2	78.2

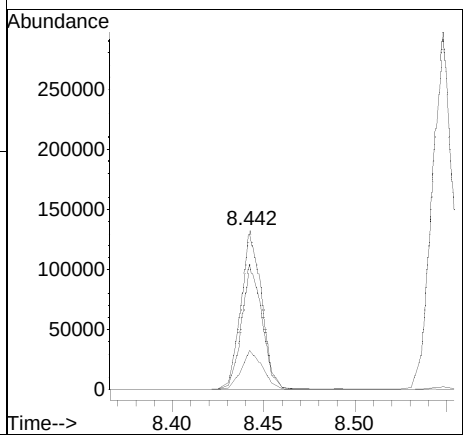


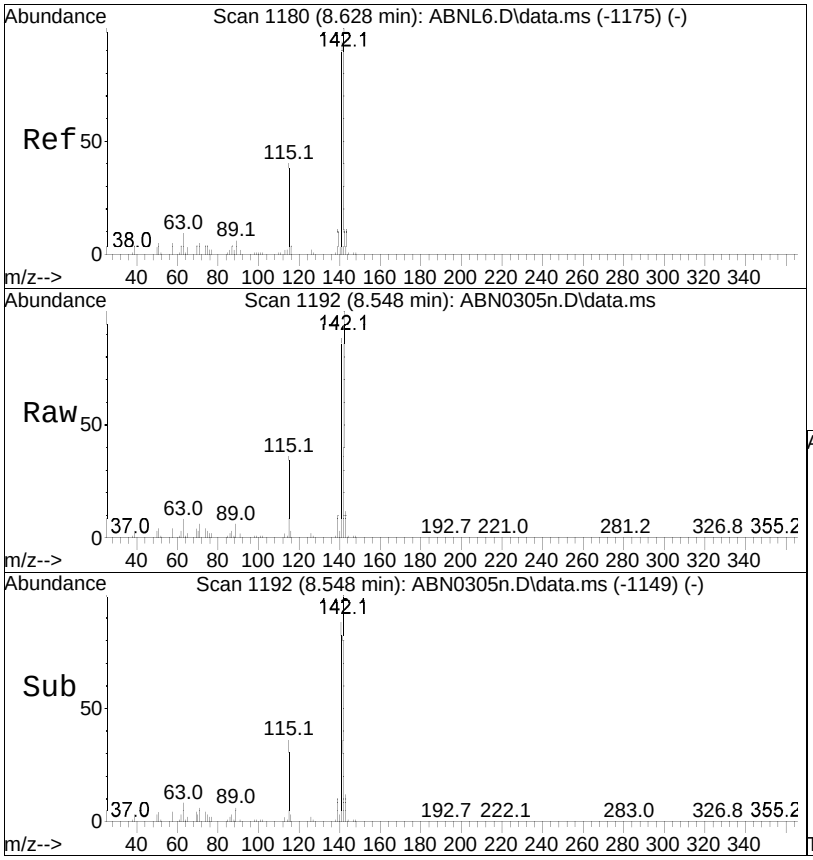


#40
p-Chloro-m-cresol
Concen: 5.33 ug/ml
RT: 8.442 min Scan# 1174
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:107 Resp: 104796

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.9	31.3
142	77.5	66.1	99.1

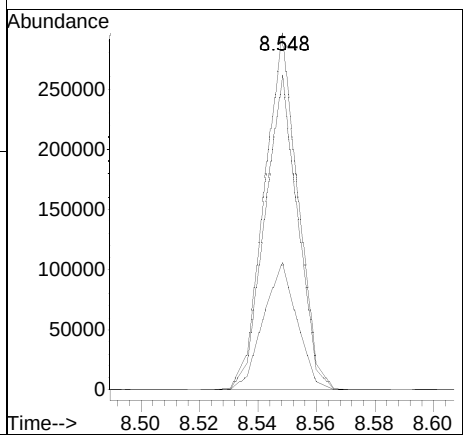


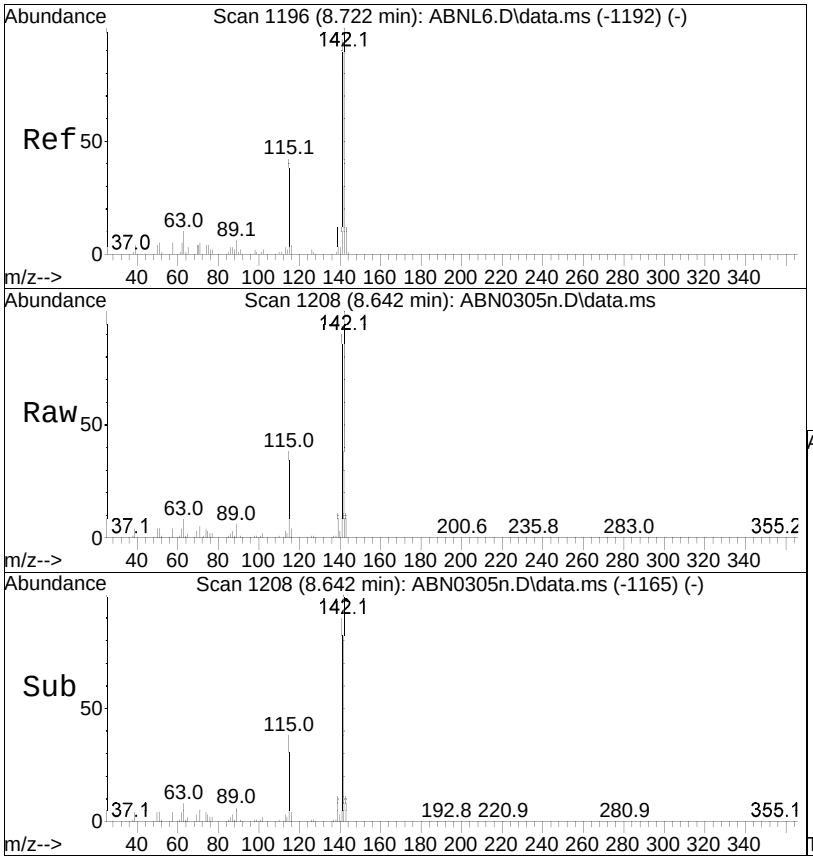


#41
2-Methylnaphthalene
Concen: 4.75 ug/ml
RT: 8.548 min Scan# 1192
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:142 Resp: 236938

Ion	Ratio	Lower	Upper
142	100		
141	86.3	69.6	104.4
115	35.8	26.6	40.0

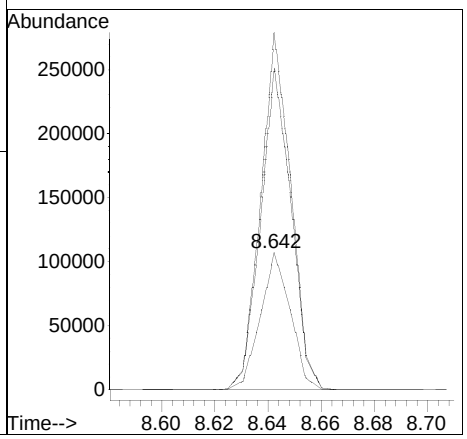


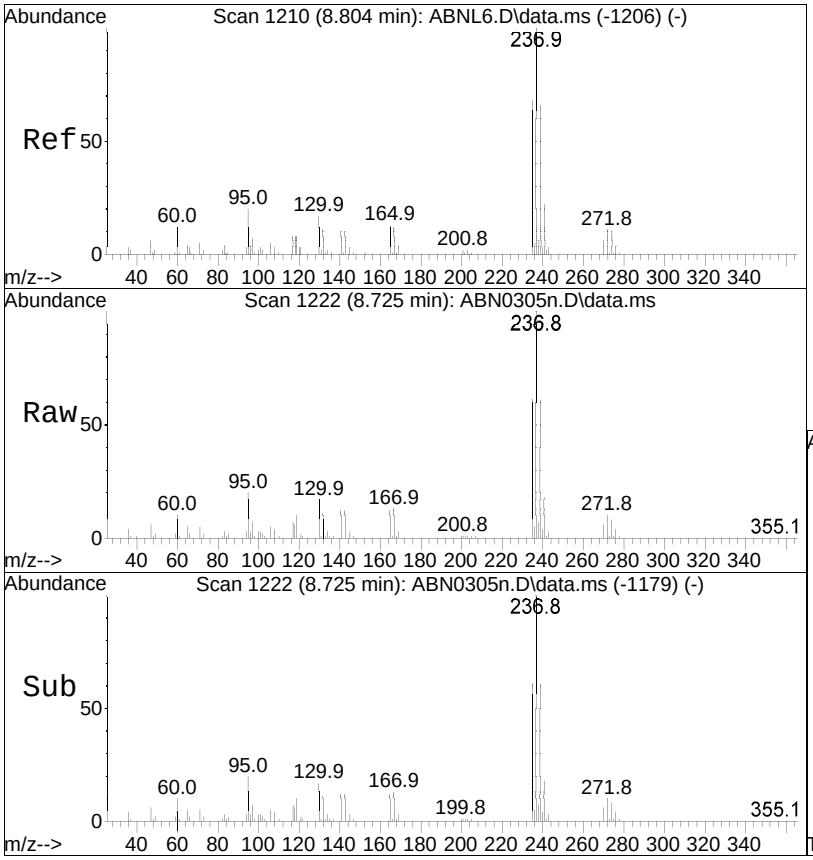


#42
1-Methylnaphthalene
Concen: 5.24 ug/ml
RT: 8.642 min Scan# 1208
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:115 Resp: 84604

Ion	Ratio	Lower	Upper
115	100		
141	236.0	207.8	311.6
142	258.8	226.8	340.2

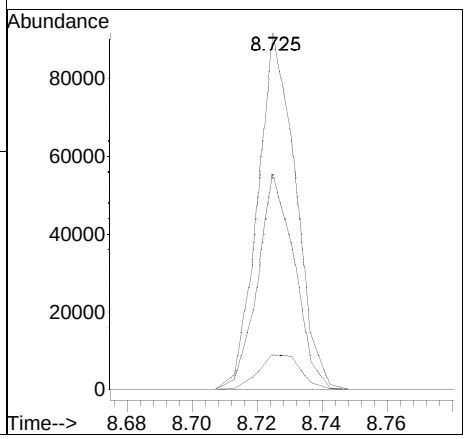


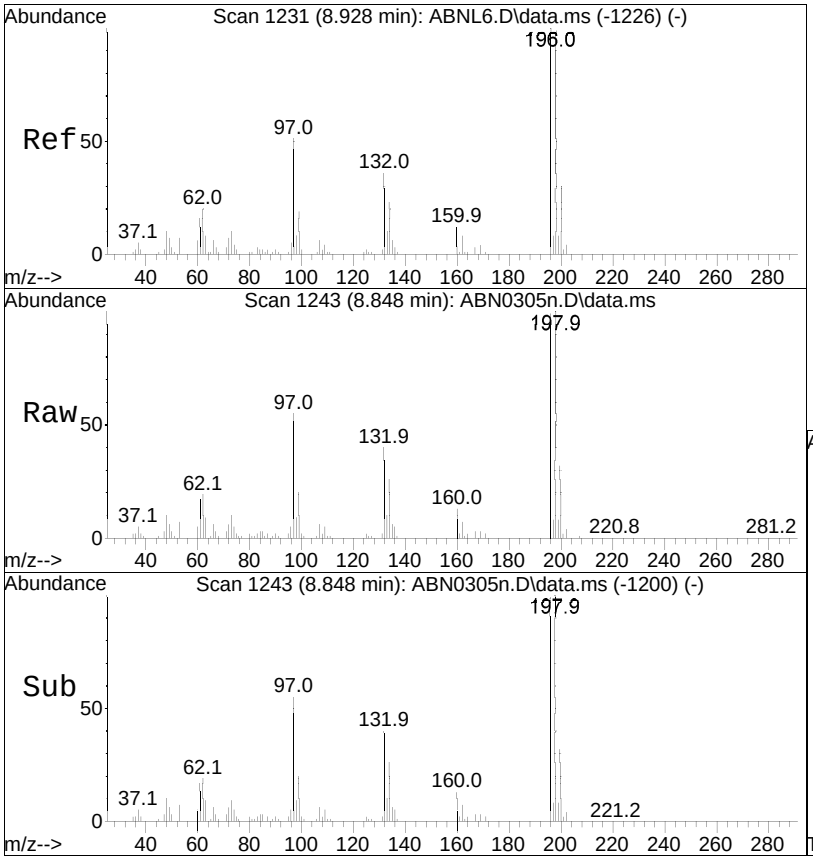


#43
Hexachlorocyclopentadiene
Concen: 4.26 ug/ml
RT: 8.725 min Scan# 1222
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:237 Resp: 74009

Ion	Ratio	Lower	Upper
237	100		
235	58.9	49.7	74.5
272	10.9	9.8	14.6

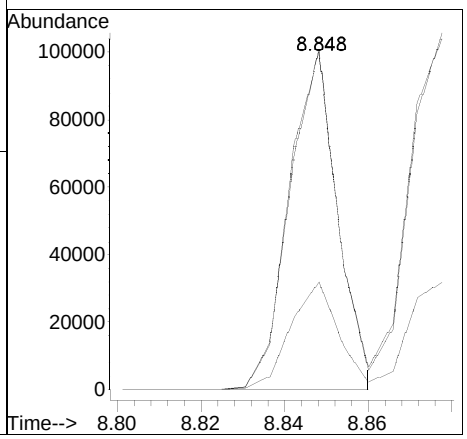


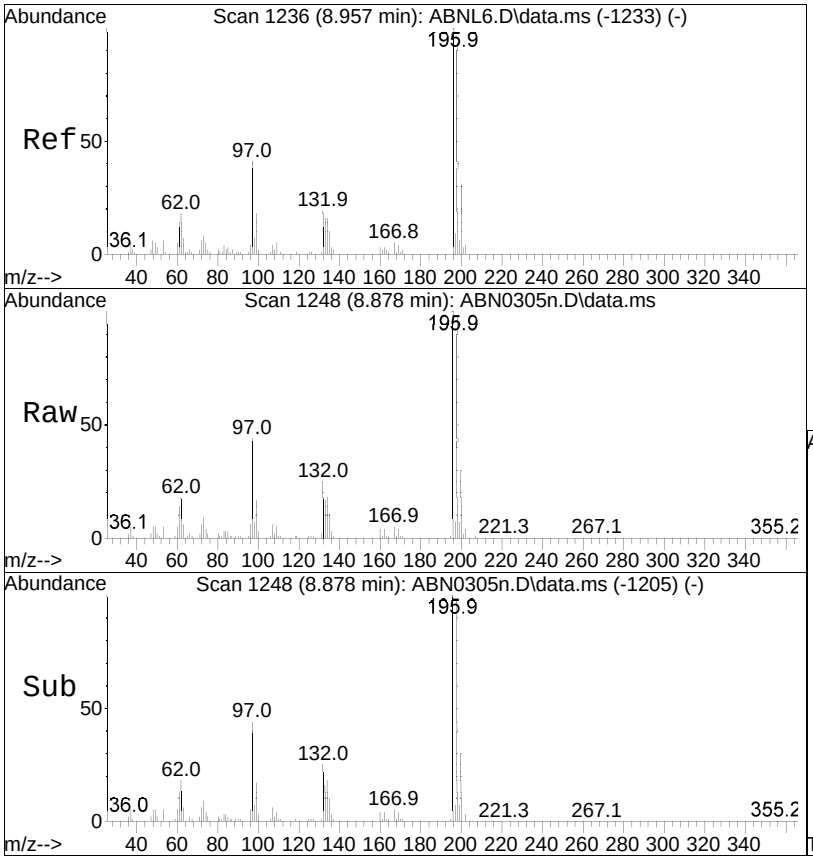


#44
2,4,6-Trichlorophenol
Concen: 4.42 ug/ml
RT: 8.848 min Scan# 1243
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:196 Resp: 80642

Ion	Ratio	Lower	Upper
196	100		
198	99.8	77.5	116.3
200	31.8	23.8	35.6

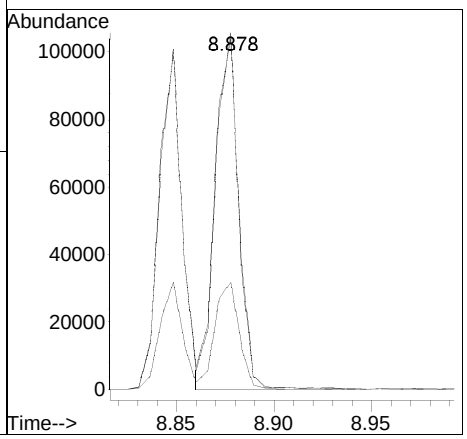


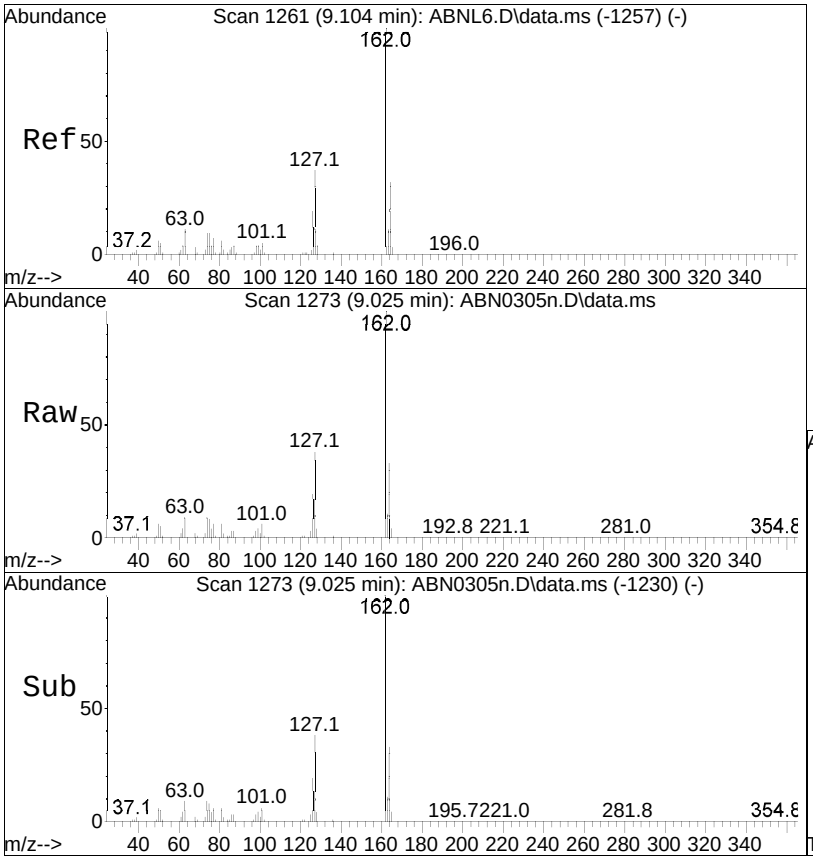


#45
2,4,5-Trichlorophenol
Concen: 4.58 ug/ml
RT: 8.878 min Scan# 1248
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:196 Resp: 86656

Ion	Ratio	Lower	Upper
196	100		
200	31.8	25.4	38.0
198	100.9	78.0	117.0

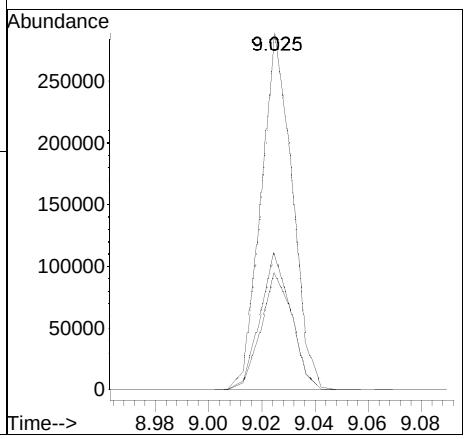


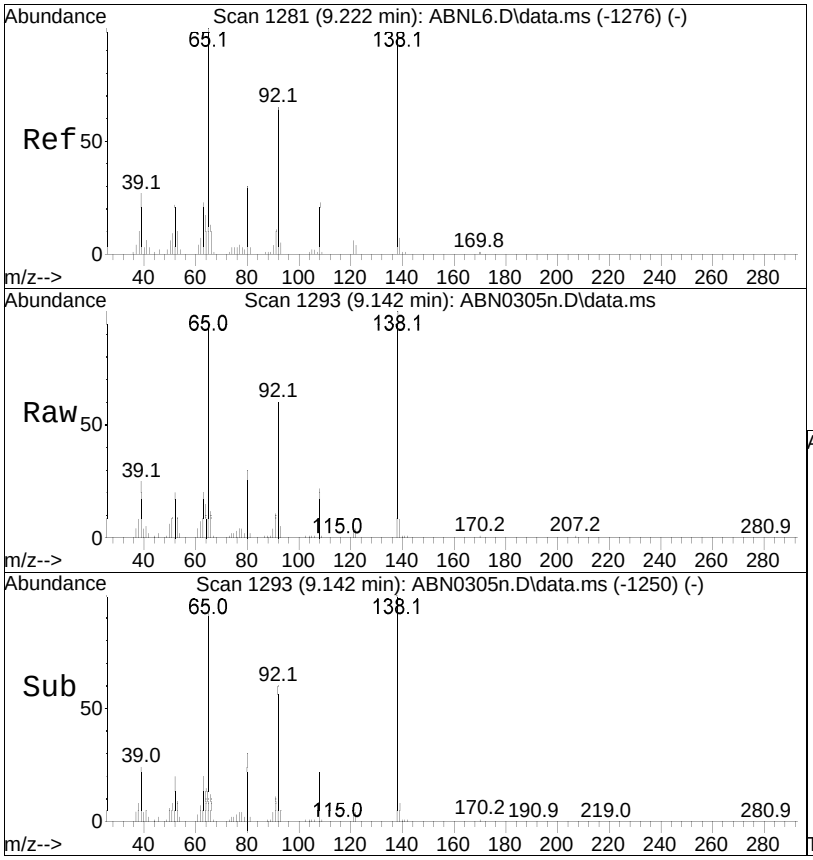


#47
2-Chloronaphthalene
Concen: 4.49 ug/ml
RT: 9.025 min Scan# 1273
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:162 Resp: 233528

Ion	Ratio	Lower	Upper
162	100		
127	38.2	32.2	48.4
164	33.9	25.7	38.5

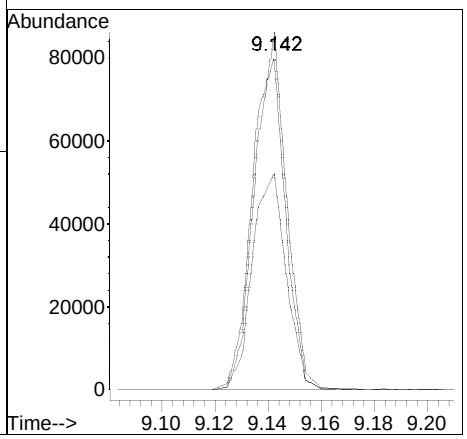


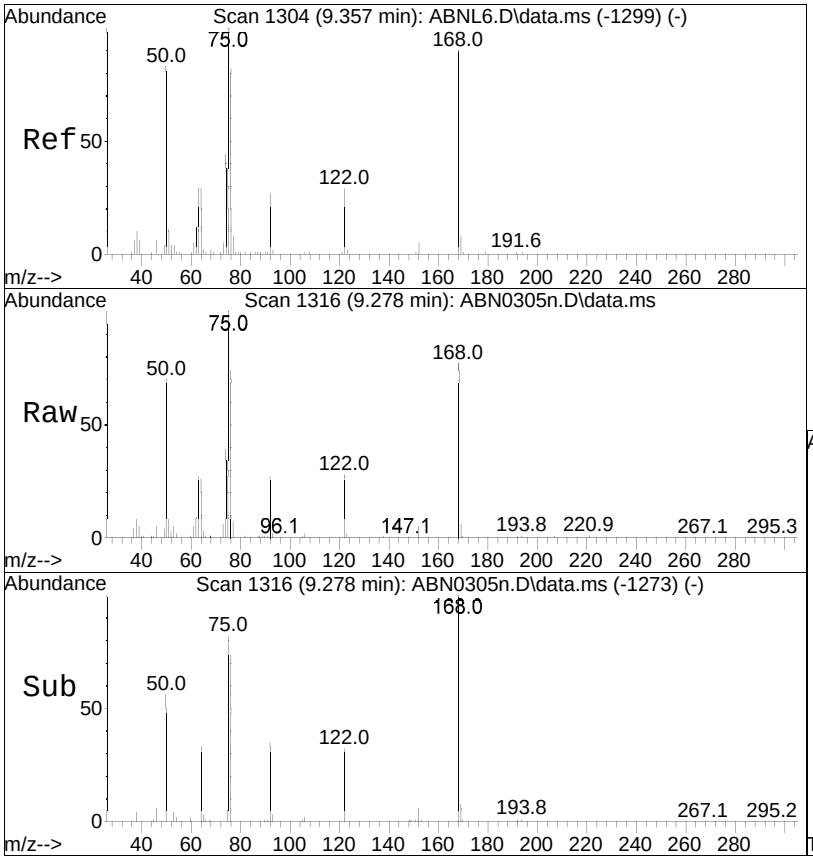


#48
2-Nitroaniline
Concen: 4.77 ug/ml
RT: 9.142 min Scan# 1293
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:138 Resp: 70610

Ion	Ratio	Lower	Upper
138	100		
92	64.9	53.5	80.3
65	98.3	86.3	129.5

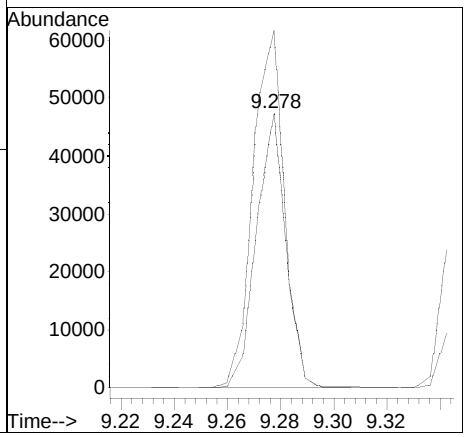


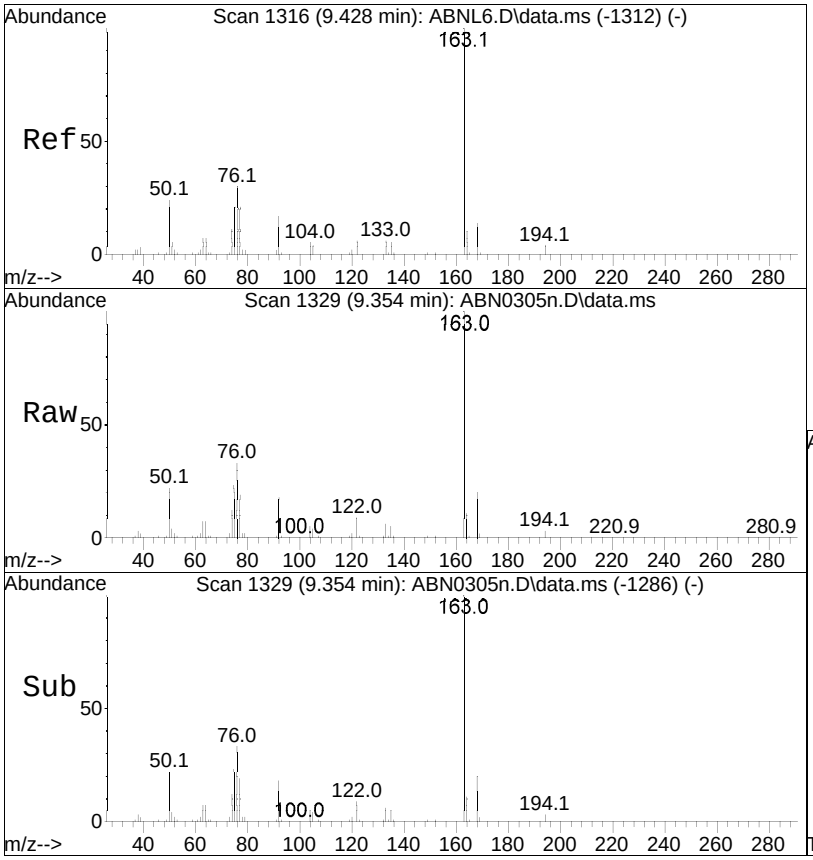


#49
1,4-Dinitrobenzene
Concen: 4.81 ug/ml
RT: 9.278 min Scan# 1316
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:168 Resp: 36360

Ion	Ratio	Lower	Upper
168	100		
75	138.5	121.8	182.8

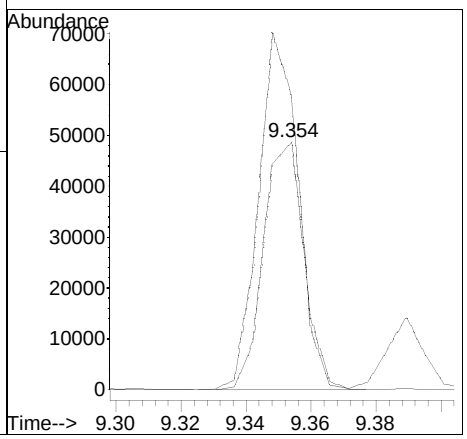


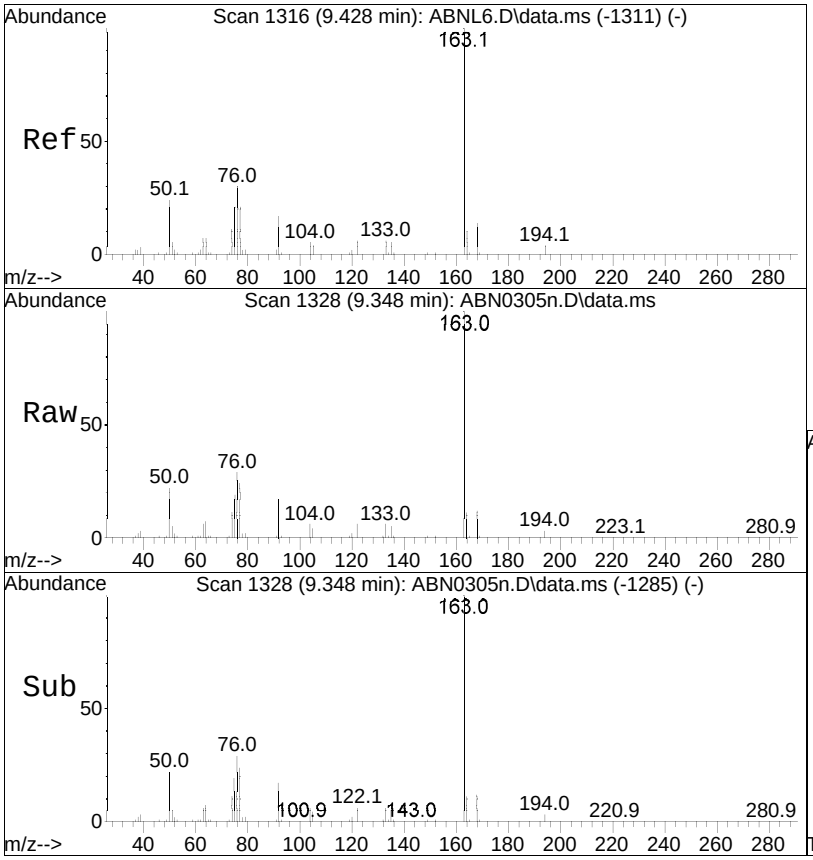


#50
1,3-Dinitrobenzene
Concen: 5.06 ug/ml
RT: 9.354 min Scan# 1329
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:168 Resp: 41976

Ion	Ratio	Lower	Upper
168	100		
75	140.2	22.7	34.1#

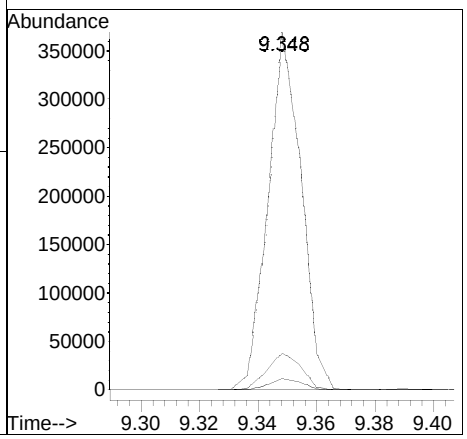


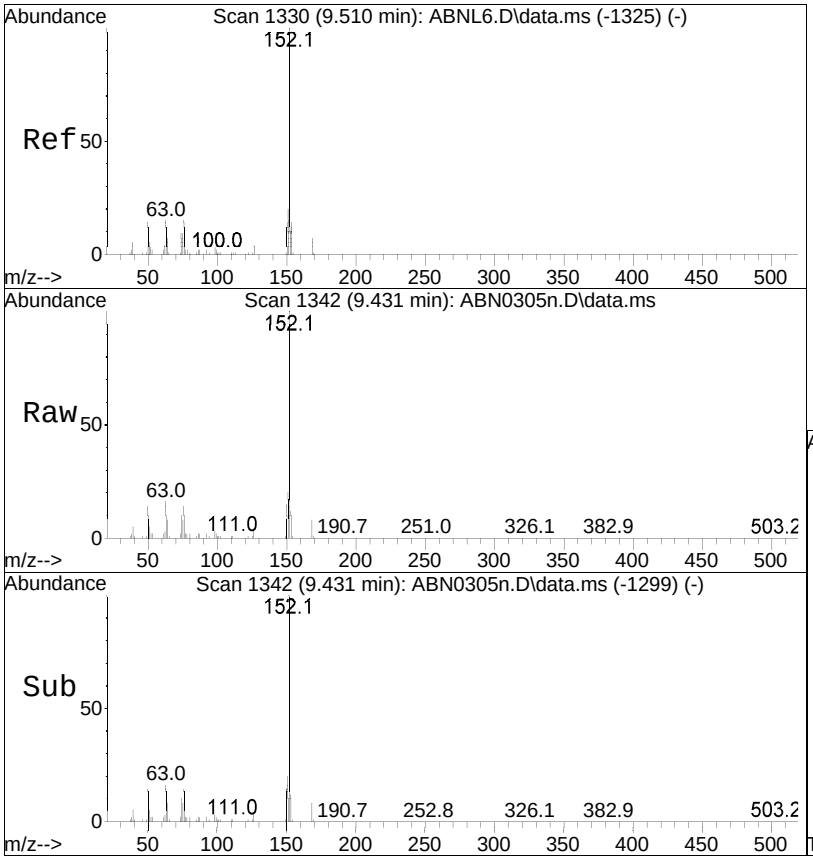


#51
Dimethyl phthalate
Concen: 4.75 ug/ml
RT: 9.348 min Scan# 1328
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:163 Resp: 288185

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	10.8	7.9	11.9

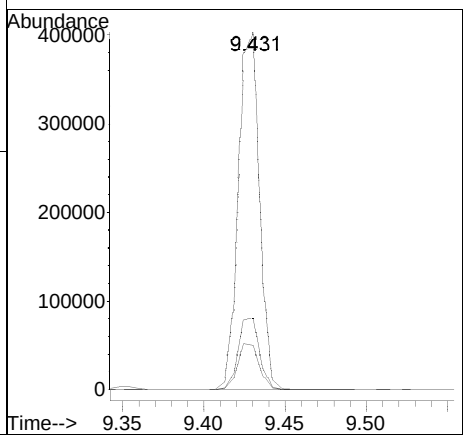


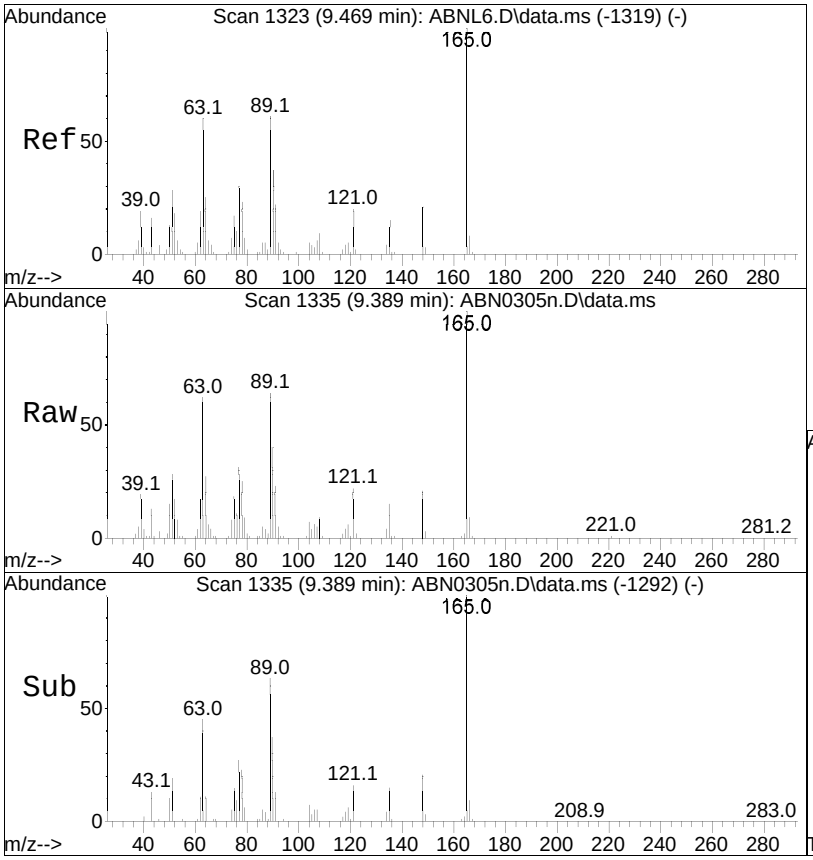


#52
Acenaphthylene
Concen: 4.61 ug/ml
RT: 9.431 min Scan# 1342
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:152 Resp: 358047

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.2	10.5	15.7

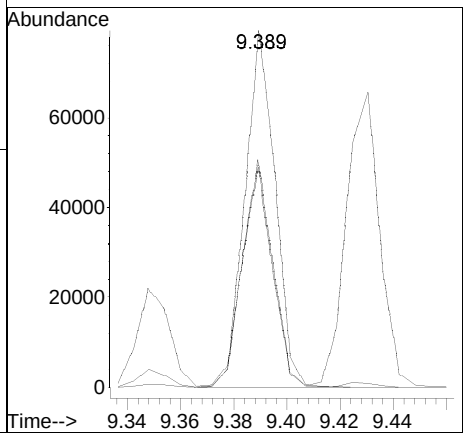


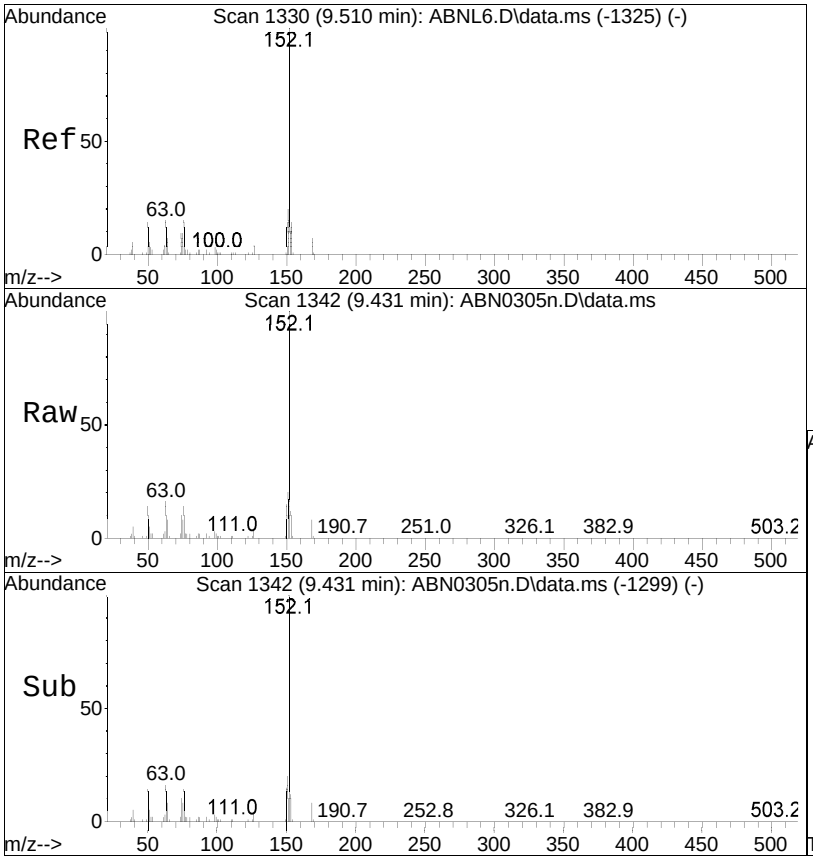


#53
2,6-Dinitrotoluene
Concen: 5.07 ug/ml
RT: 9.389 min Scan# 1335
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:165 Resp: 62557

Ion	Ratio	Lower	Upper
165	100		
89	64.2	54.2	81.2
63	62.5	64.2	96.2#

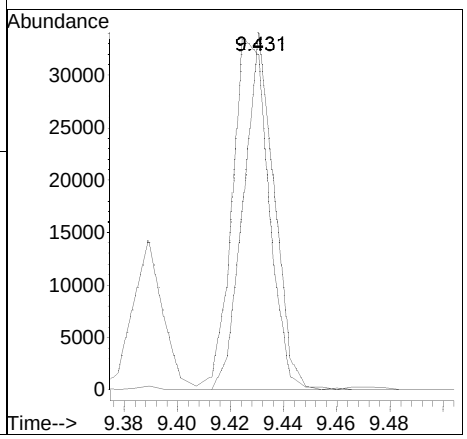


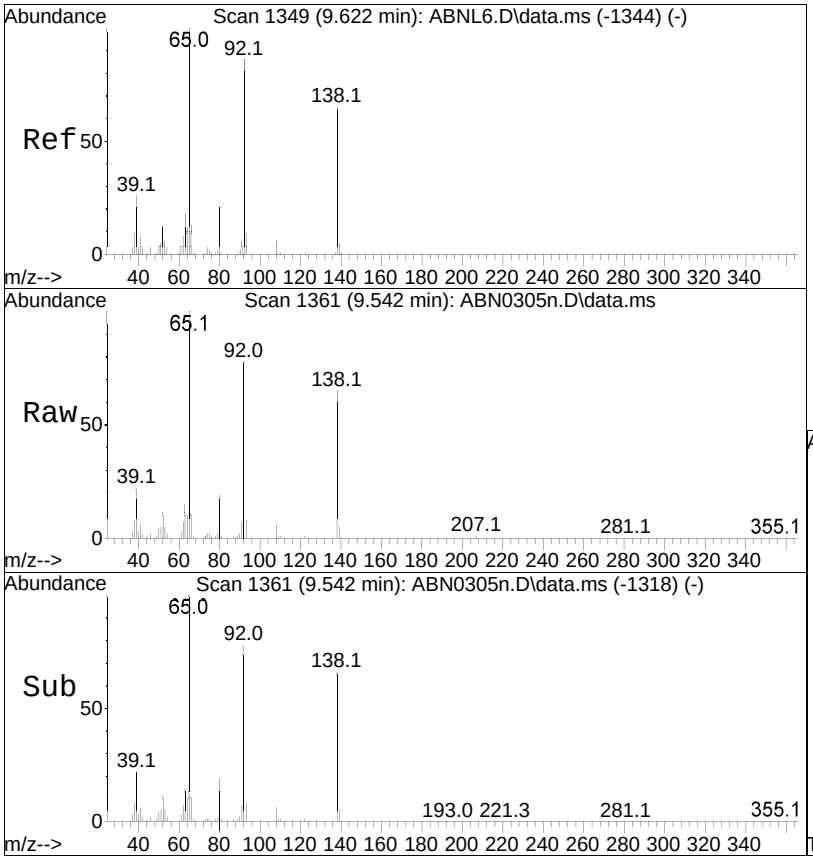


#54
1,2-Dinitrobenzene
Concen: 5.09 ug/ml
RT: 9.431 min Scan# 1342
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:168 Resp: 27220

Ion	Ratio	Lower	Upper
168	100		
75	116.5	30.9	46.3#

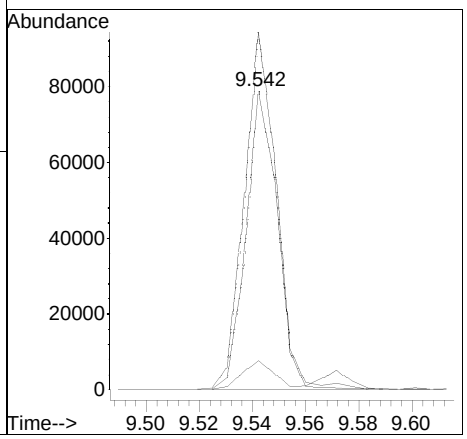


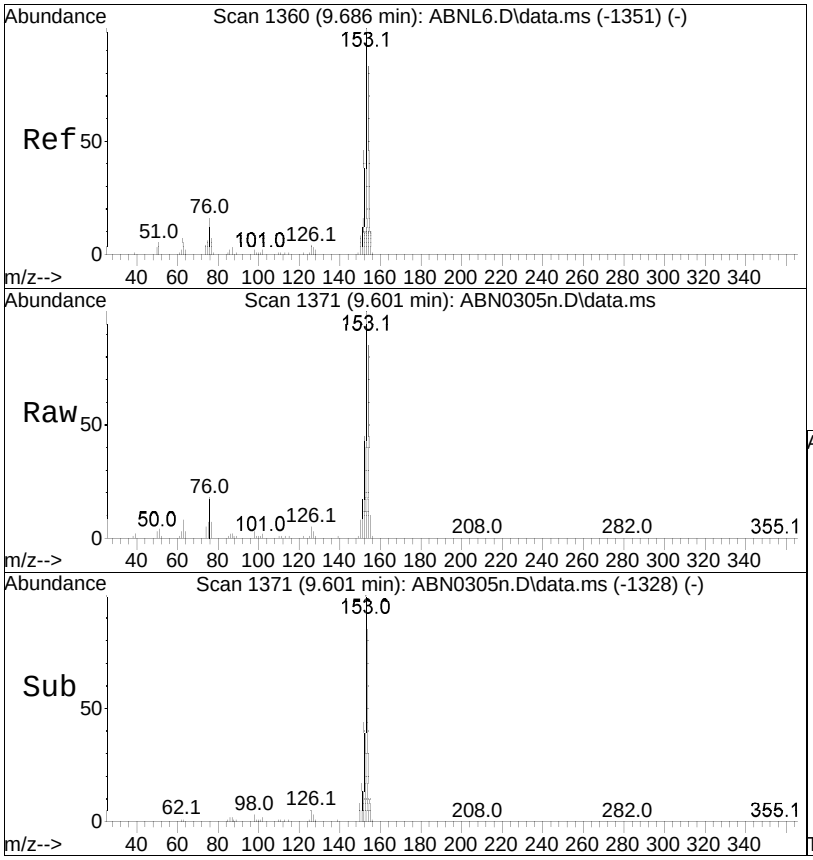


#64
3-Nitroaniline
Concen: 4.63 ug/ml
RT: 9.542 min Scan# 1361
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:138 Resp: 63553

Ion	Ratio	Lower	Upper
138	100		
92	123.7	93.4	140.2
108	10.0	9.5	14.3

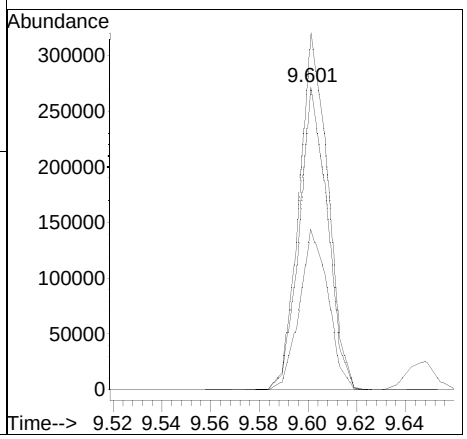


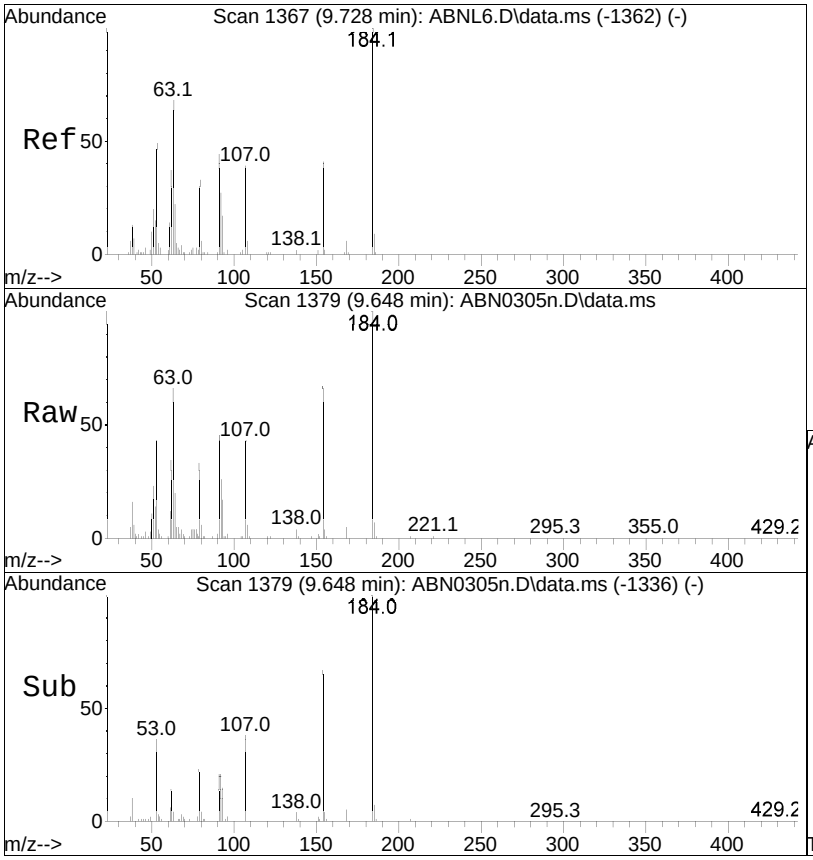


#65
Acenaphthene
Concen: 4.44 ug/ml
RT: 9.601 min Scan# 1371
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:154 Resp: 218466

Ion	Ratio	Lower	Upper
154	100		
153	120.2	85.3	127.9
152	54.1	41.4	62.0

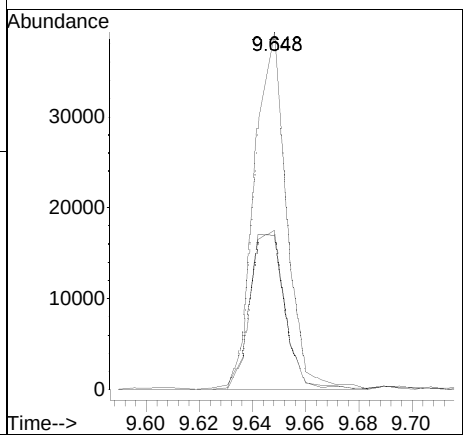


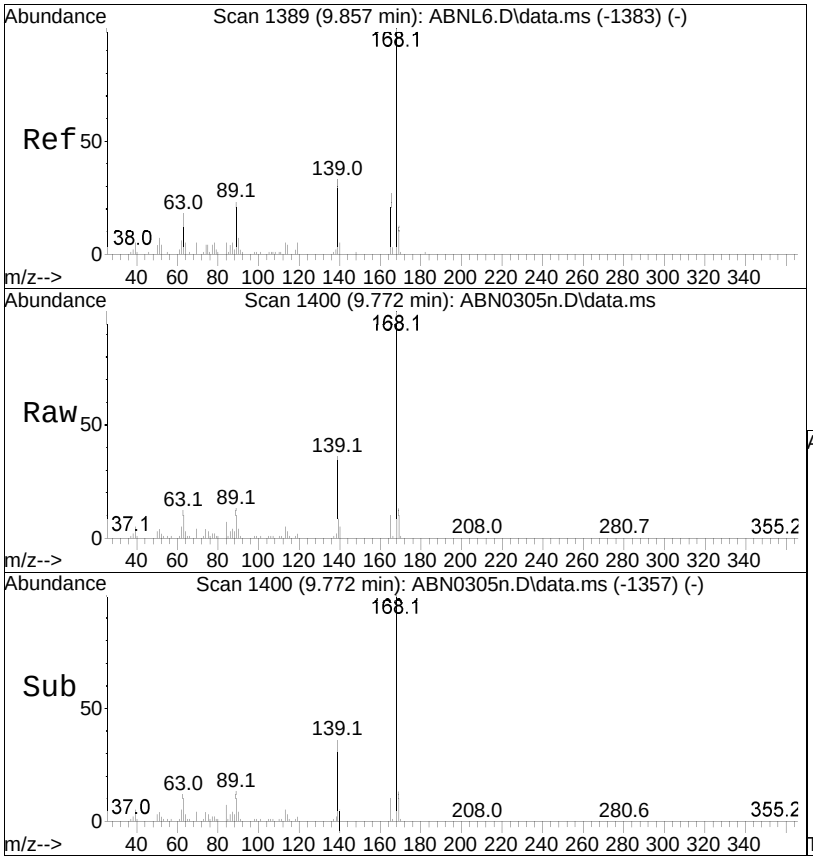


#66
2,4-Dinitrophenol
Concen: 4.20 ug/ml
RT: 9.648 min Scan# 1379
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:184 Resp: 32638

Ion	Ratio	Lower	Upper
184	100		
107	47.6	37.7	56.5
91	48.9	46.3	69.5

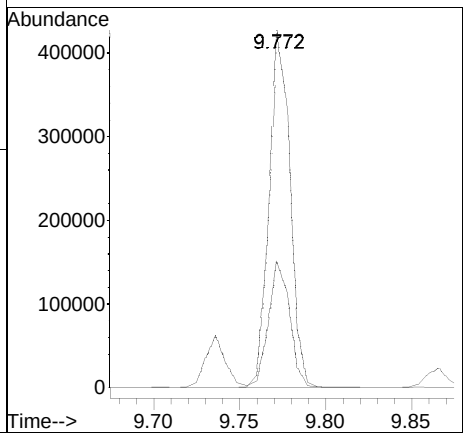


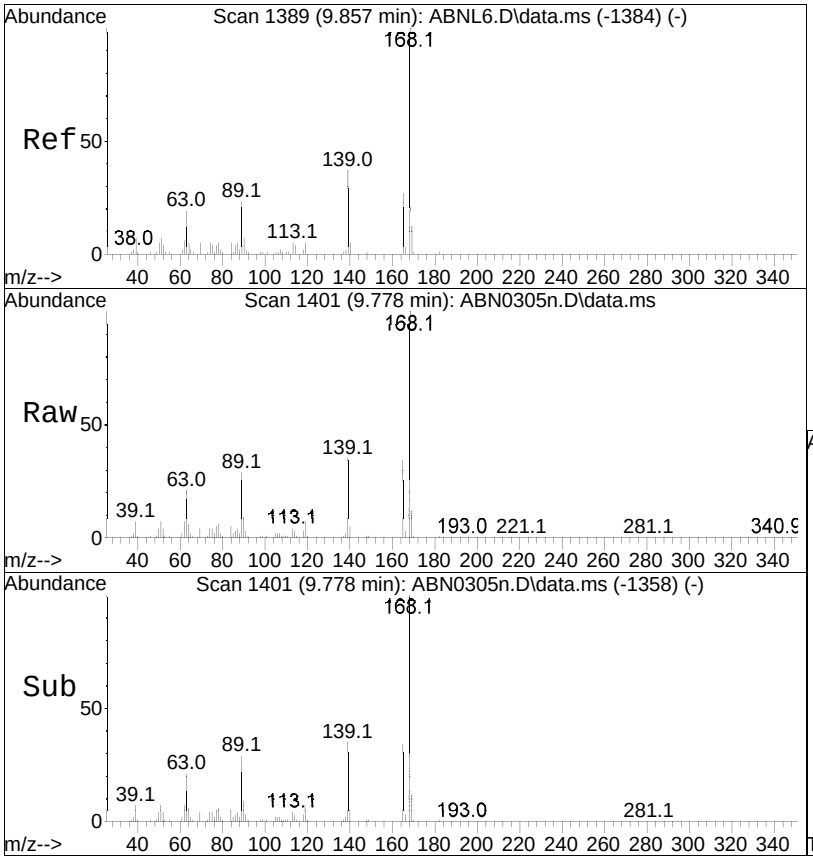


#67
Dibenzofuran
Concen: 4.44 ug/ml
RT: 9.772 min Scan# 1400
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:168 Resp: 353697

Ion	Ratio	Lower	Upper
168	100		
139	36.3	31.4	47.2

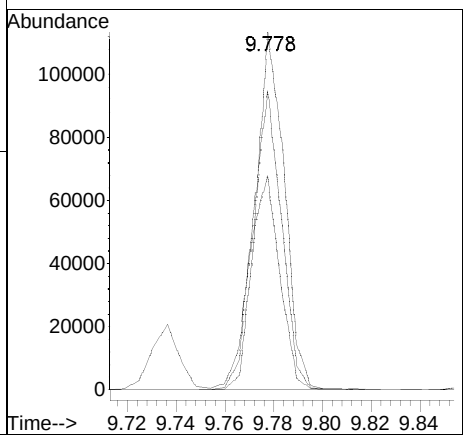


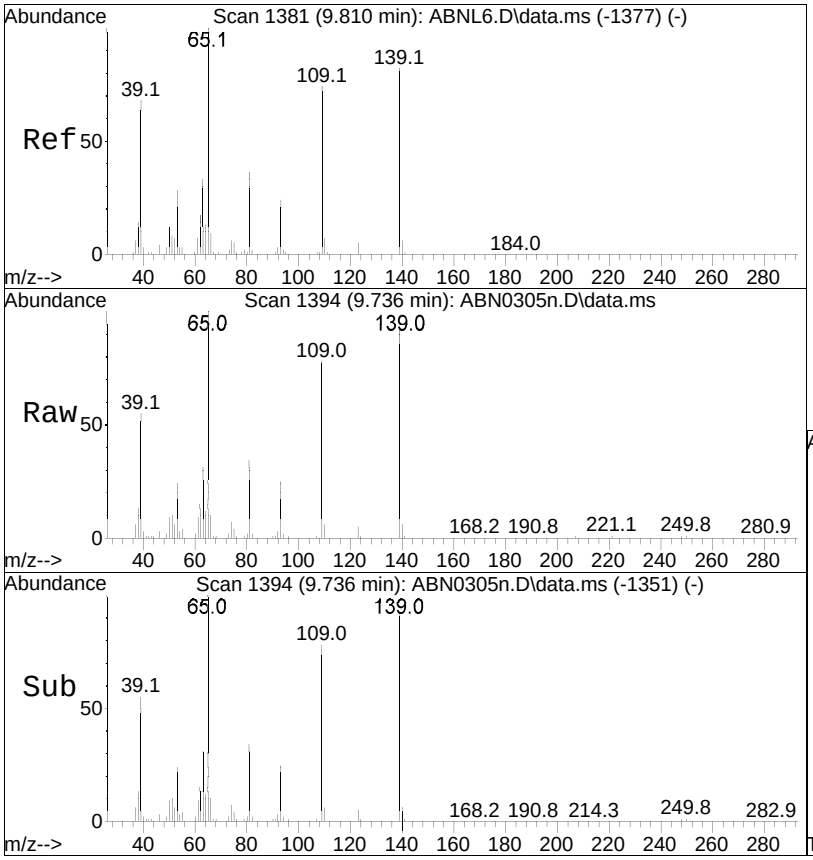


#68
2,4-Dinitrotoluene
Concen: 5.04 ug/ml
RT: 9.778 min Scan# 1401
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:165 Resp: 89890

Ion	Ratio	Lower	Upper
165	100		
89	86.2	72.0	108.0
63	66.5	52.7	79.1

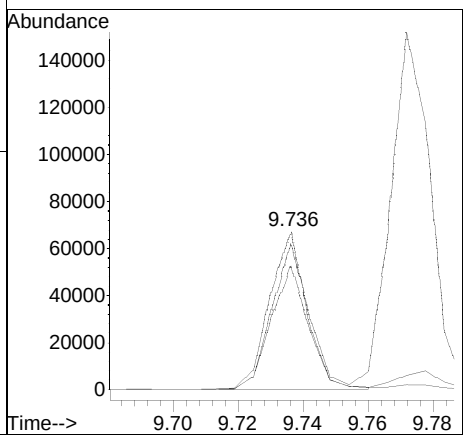


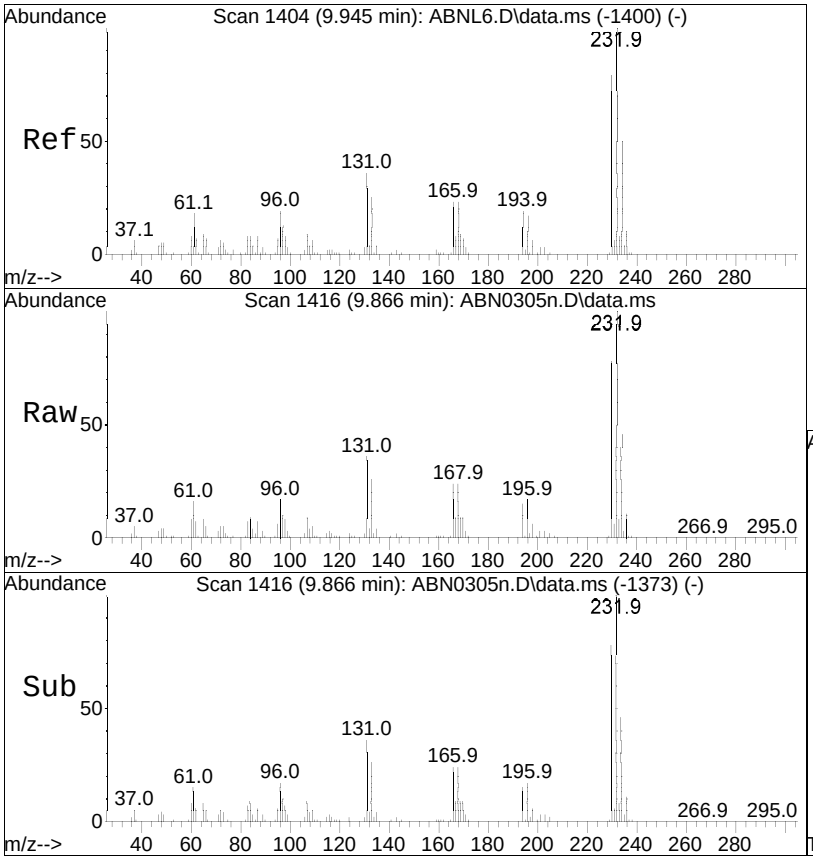


#69
4-Nitrophenol
Concen: 5.26 ug/ml
RT: 9.736 min Scan# 1394
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 65 Resp: 53475

Ion	Ratio	Lower	Upper
65	100		
109	79.7	47.4	71.2#
139	92.5	76.6	115.0

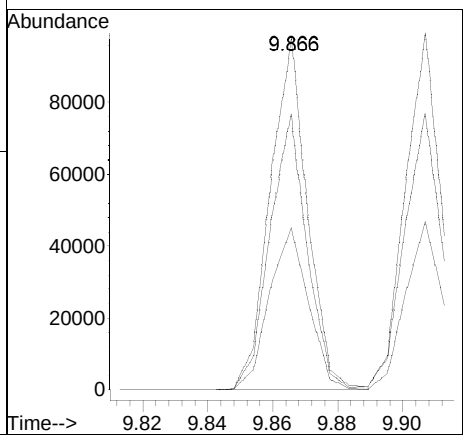


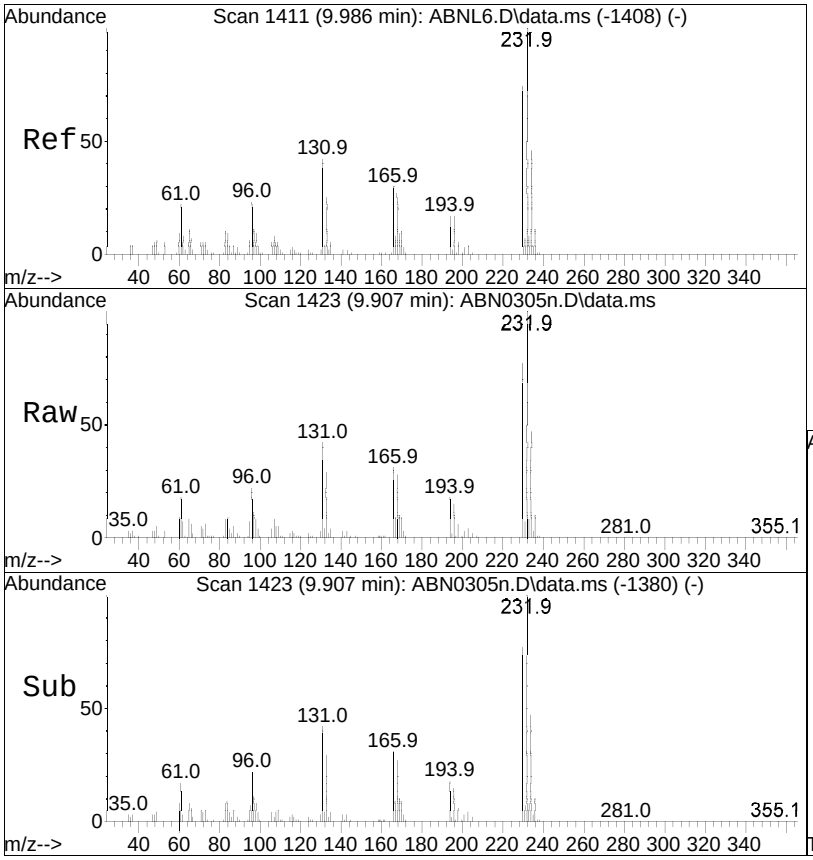


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.71 ug/ml
RT: 9.866 min Scan# 1416
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:232 Resp: 78153

Ion	Ratio	Lower	Upper
232	100		
230	77.7	64.2	96.4
234	48.5	38.1	57.1

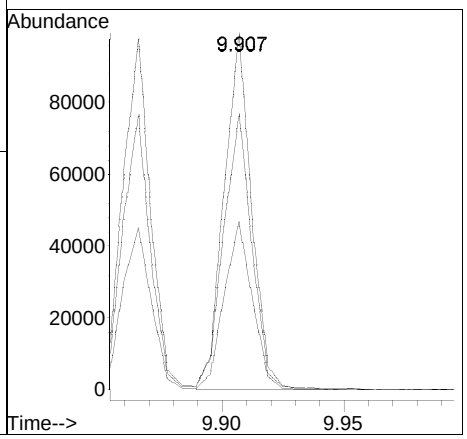


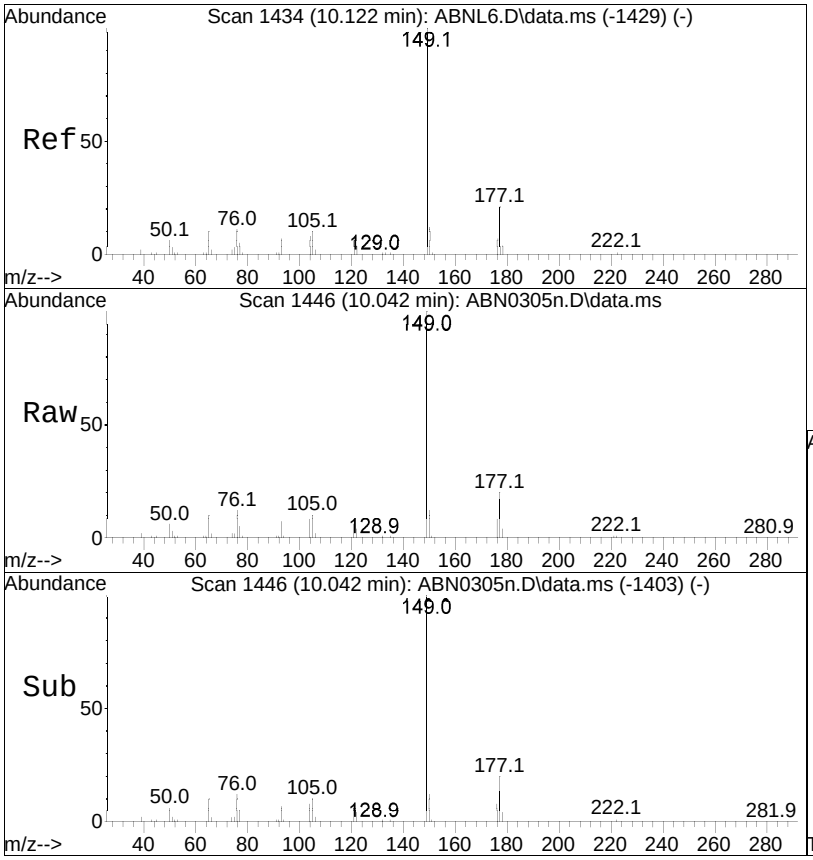


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.77 ug/ml
RT: 9.907 min Scan# 1423
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:232 Resp: 78097

Ion	Ratio	Lower	Upper
232	100		
230	79.5	61.8	92.8
234	48.5	36.2	54.2

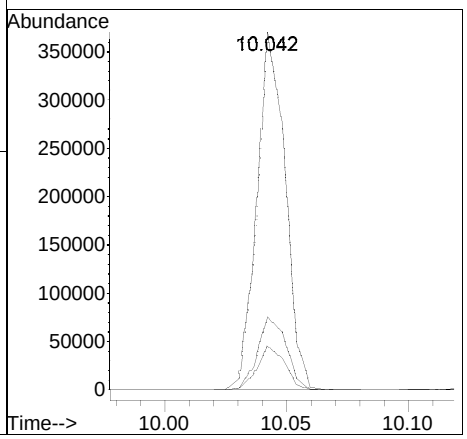


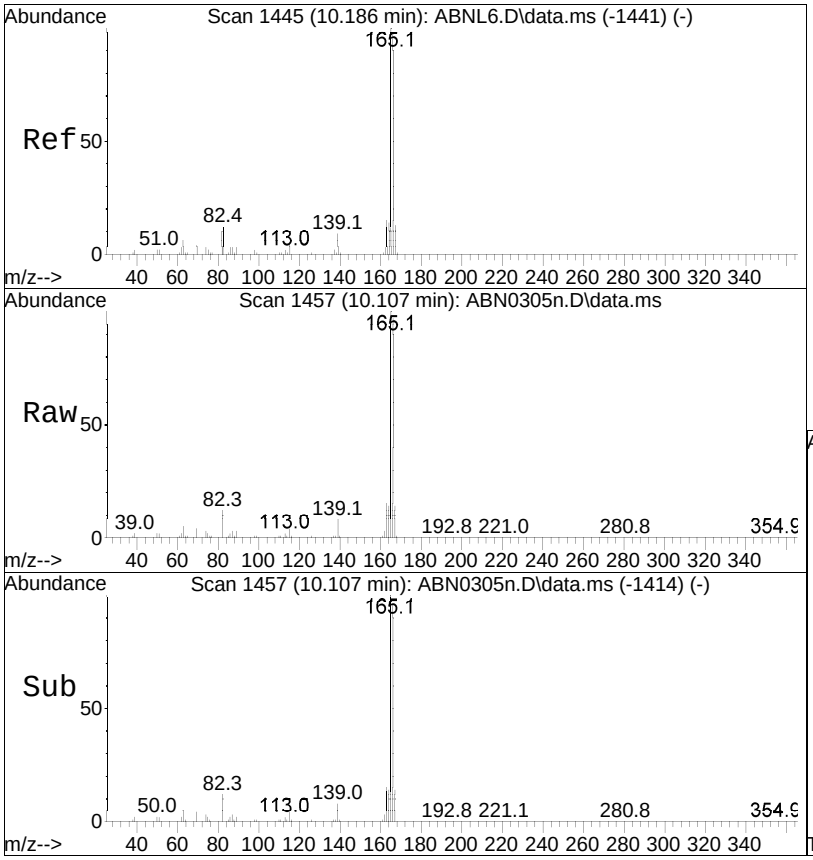


#72
Diethyl phthalate
Concen: 4.57 ug/ml
RT: 10.042 min Scan# 1446
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:149 Resp: 295210

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.2	9.4	14.2

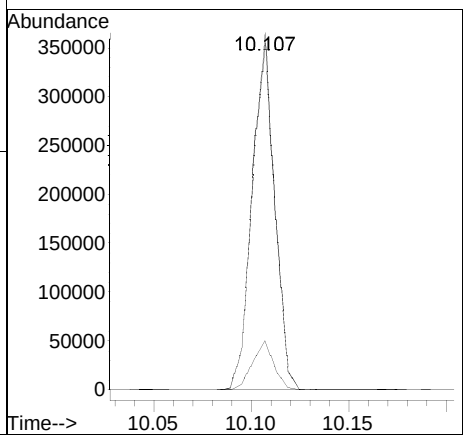


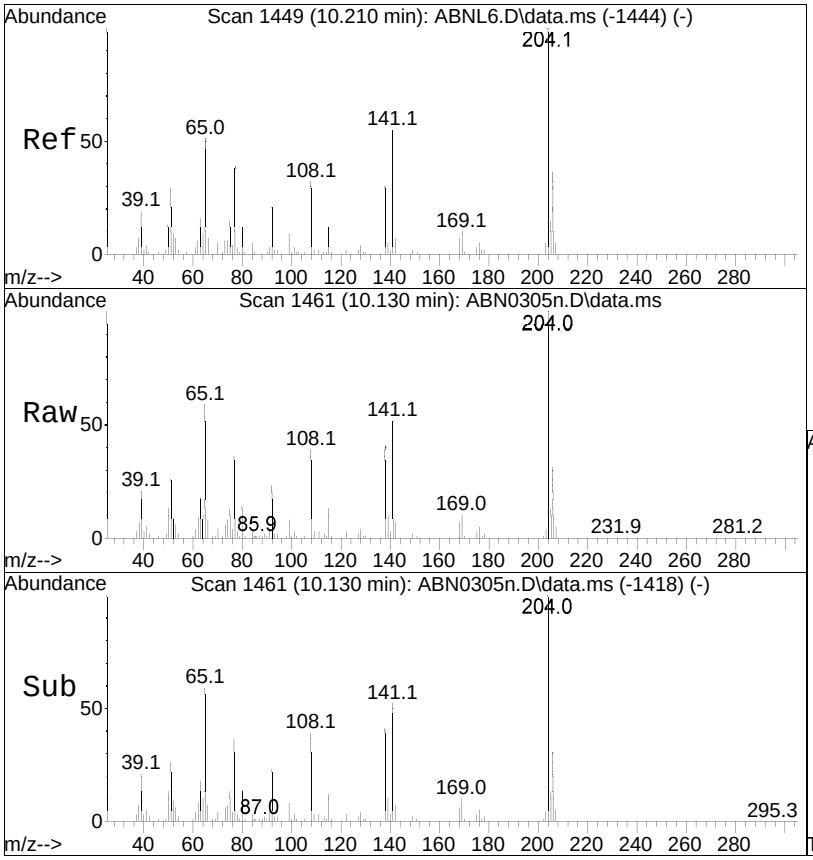


#73
Fluorene
Concen: 4.59 ug/ml
RT: 10.107 min Scan# 1457
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:166 Resp: 285289

Ion	Ratio	Lower	Upper
166	100		
165	102.4	76.2	114.2
167	13.7	10.6	15.8

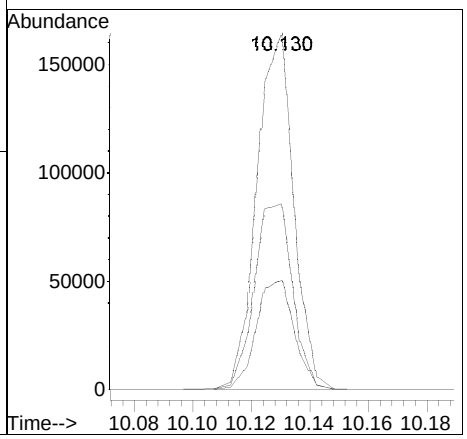


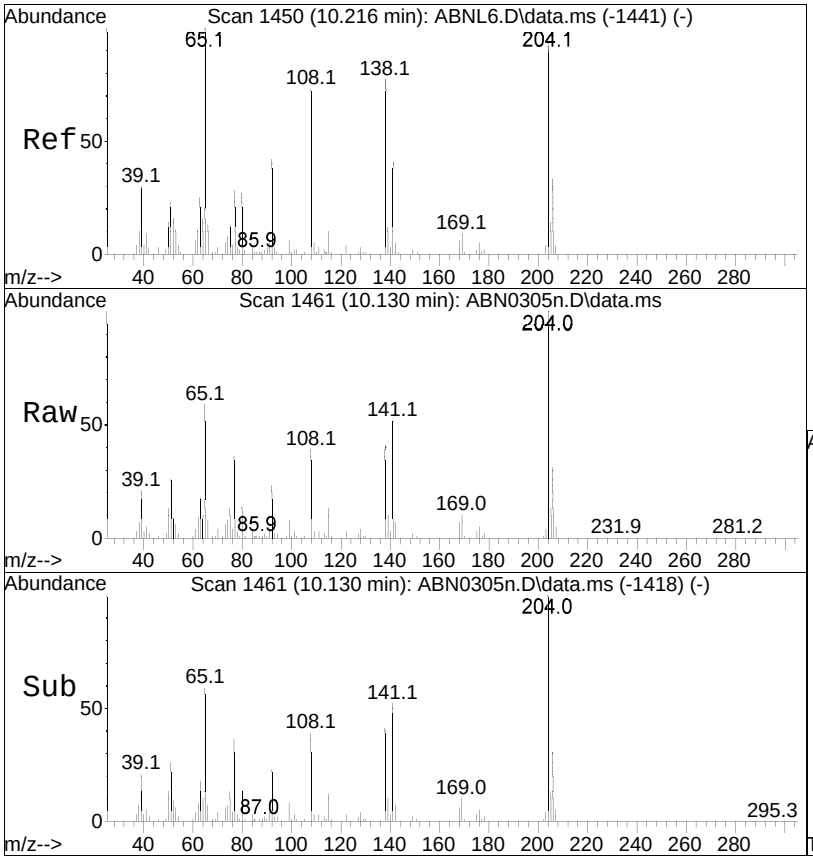


#74
4-Chlorophenyl phenyl ether
Concen: 4.47 ug/ml
RT: 10.130 min Scan# 1461
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:204 Resp: 142514

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	54.7	53.6	80.4

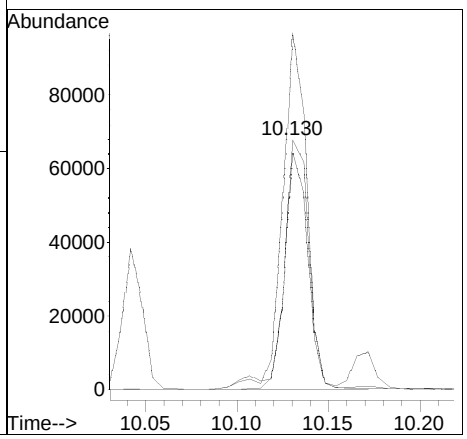


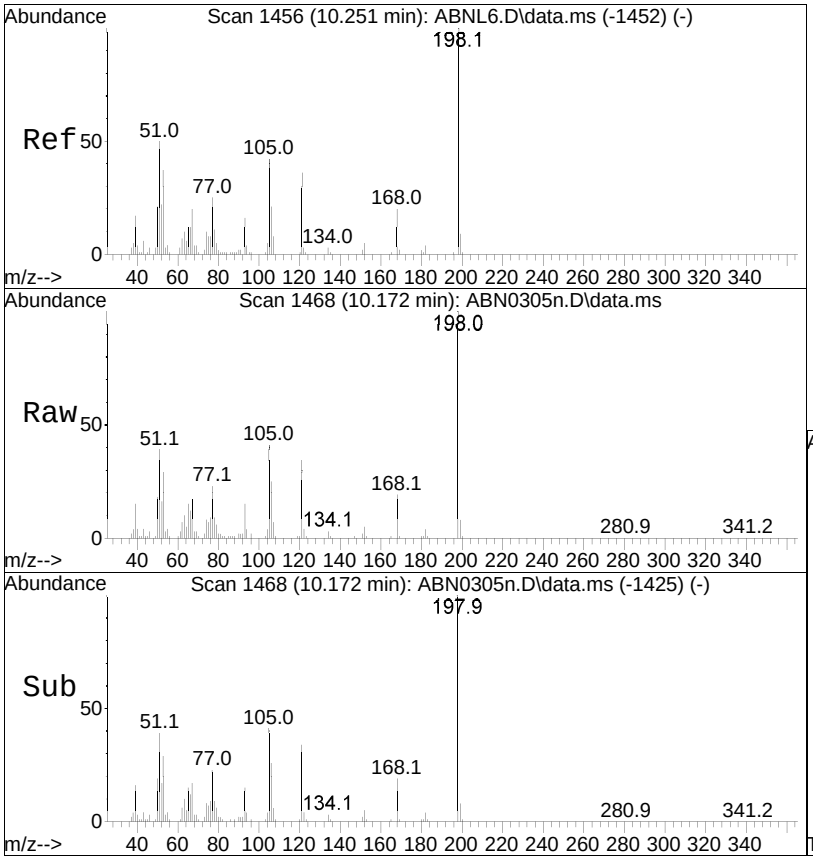


#75
4-Nitroaniline
Concen: 4.59 ug/ml
RT: 10.130 min Scan# 1461
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:138 Resp: 64164

Ion	Ratio	Lower	Upper
138	100		
108	87.8	52.1	78.1#
65	138.8	115.0	172.6

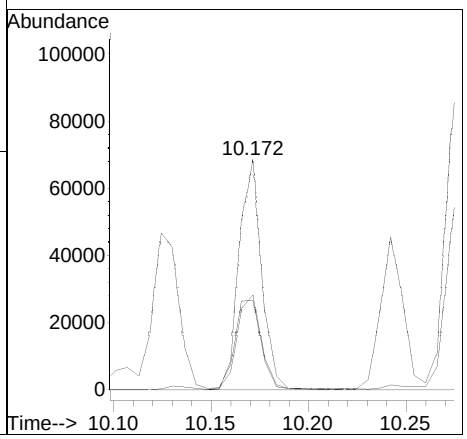


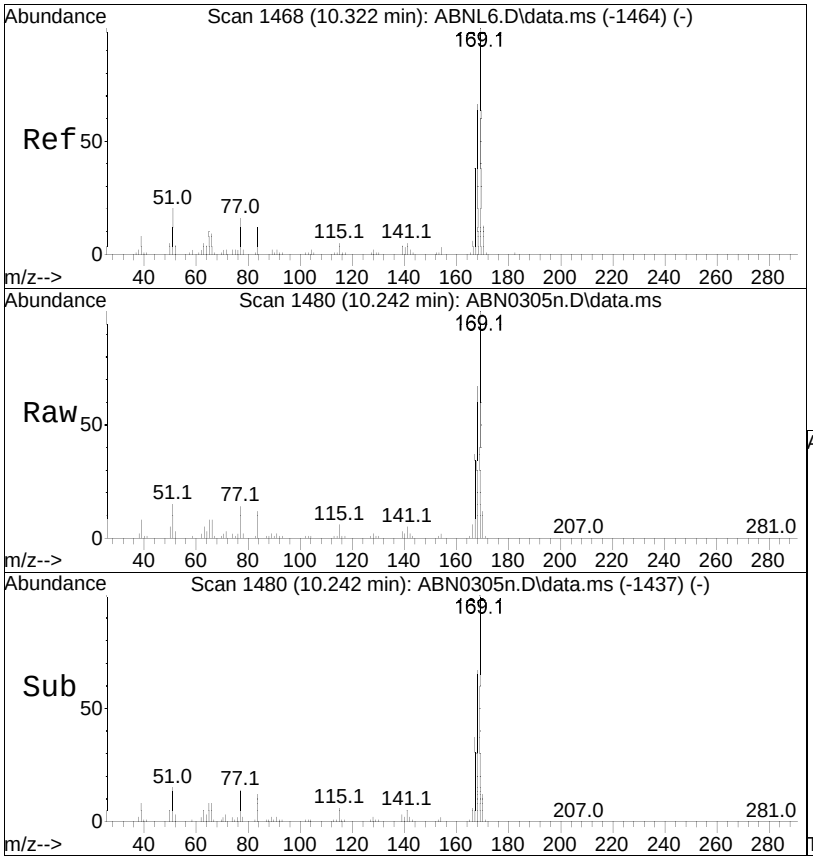


#76
4,6-Dinitro-o-cresol
Concen: 4.63 ug/ml
RT: 10.172 min Scan# 1468
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:198 Resp: 55553

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	44.5	45.6	68.4#

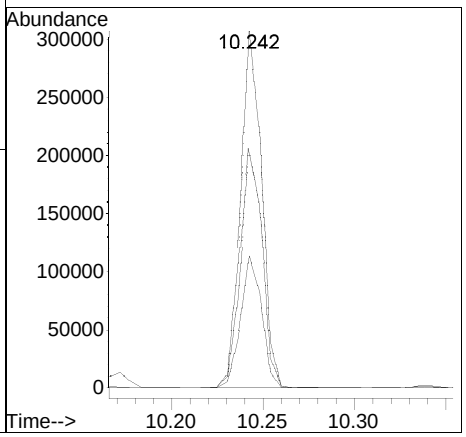


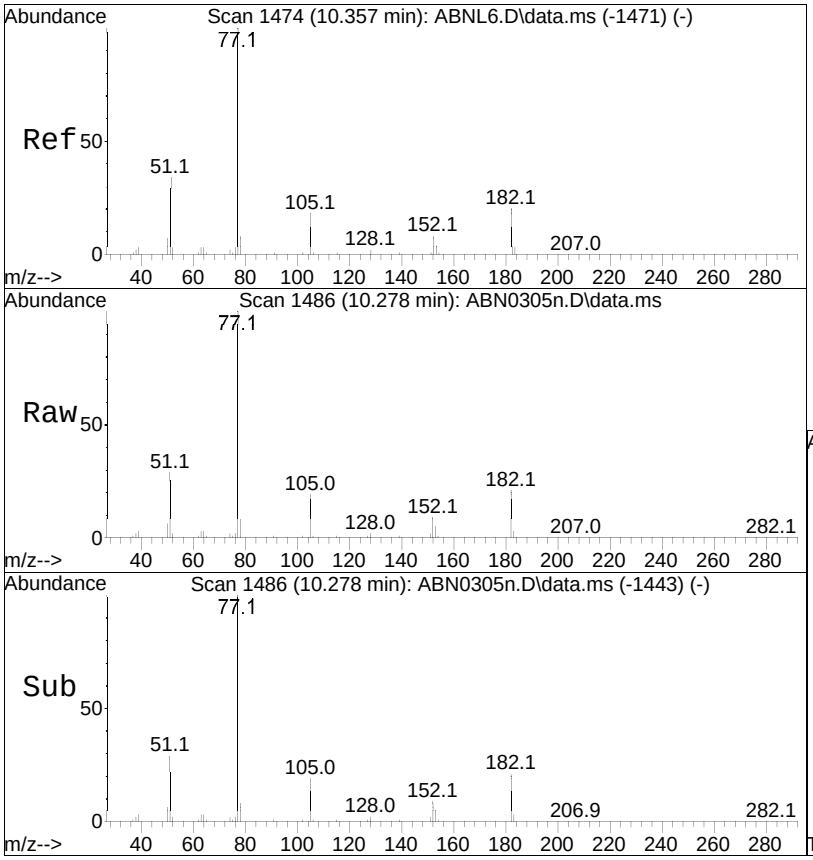


#77
NDPA/DPA
Concen: 4.54 ug/ml
RT: 10.242 min Scan# 1480
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:169 Resp: 243742

Ion	Ratio	Lower	Upper
169	100		
168	69.4	54.0	81.0
167	37.4	28.6	42.8

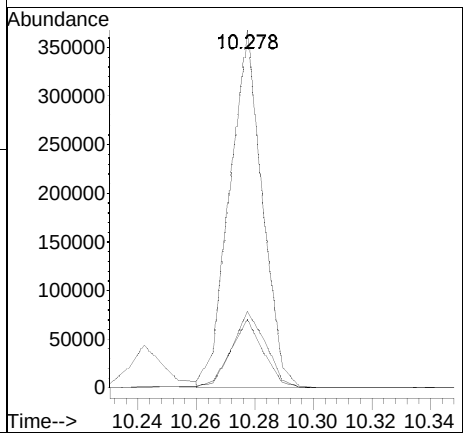


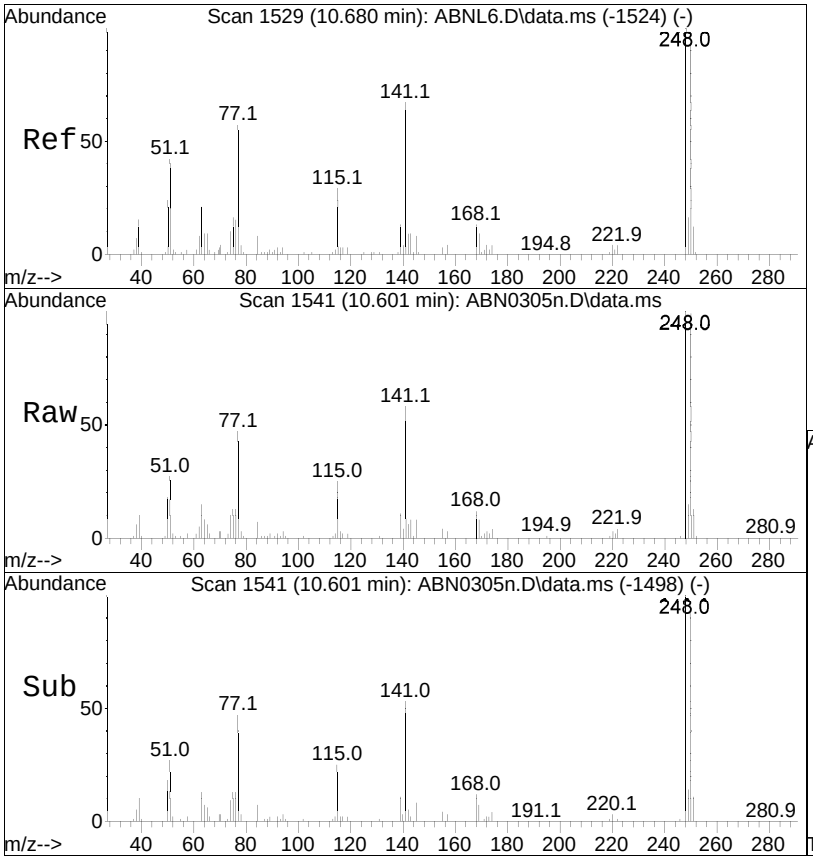


#78
Azobenzene
Concen: 5.41 ug/ml
RT: 10.278 min Scan# 1486
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion: 77 Resp: 283773

Ion	Ratio	Lower	Upper
77	100		
182	22.7	17.4	26.2
105	19.5	15.4	23.2

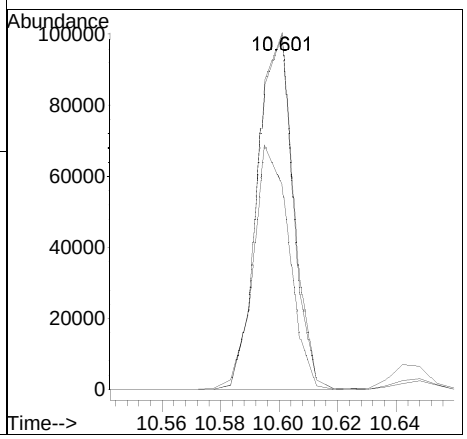


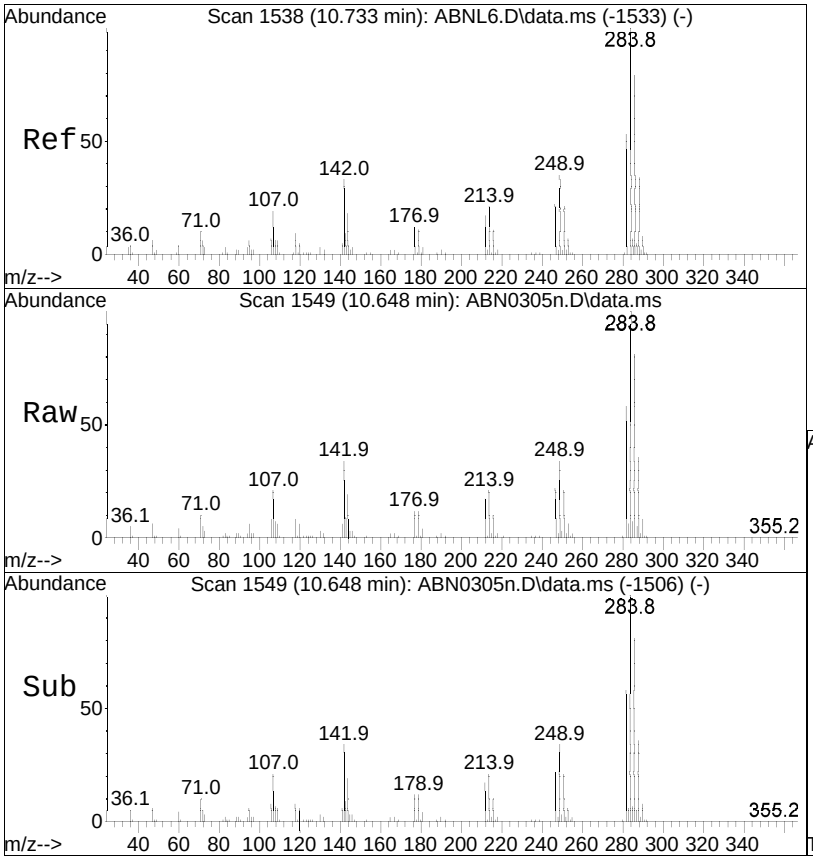


#80
4-Bromophenyl phenyl ether
Concen: 4.34 ug/ml
RT: 10.601 min Scan# 1541
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:248 Resp: 85826

Ion	Ratio	Lower	Upper
248	100		
141	68.3	76.6	114.8#
250	97.8	77.3	115.9

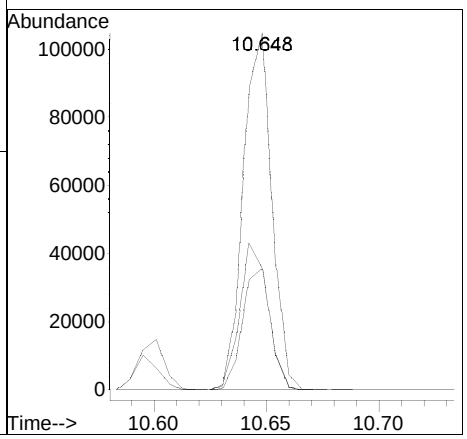


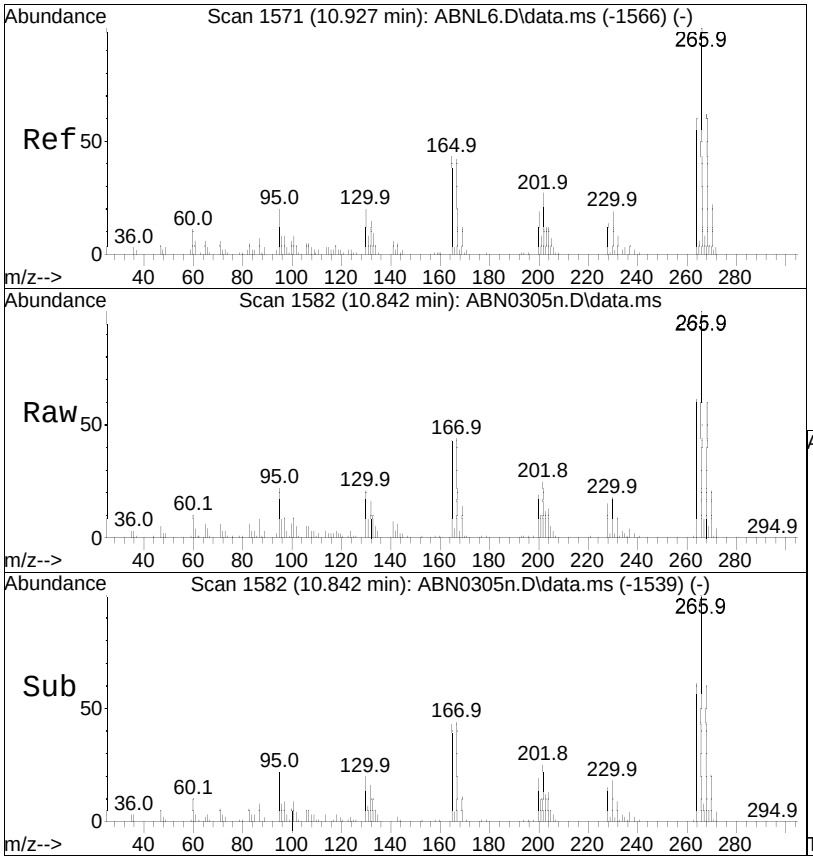


#81
Hexachlorobenzene
Concen: 4.12 ug/ml
RT: 10.648 min Scan# 1549
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:284 Resp: 92232

Ion	Ratio	Lower	Upper
284	100		
142	40.8	41.9	62.9#
249	33.9	24.1	36.1

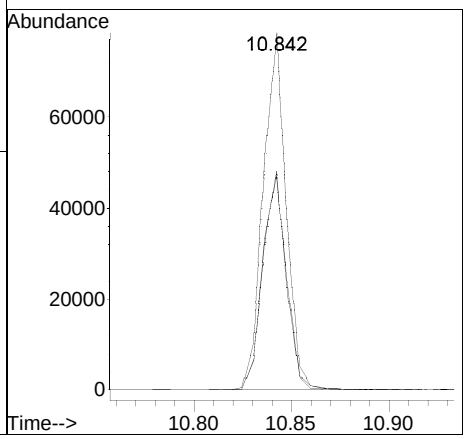


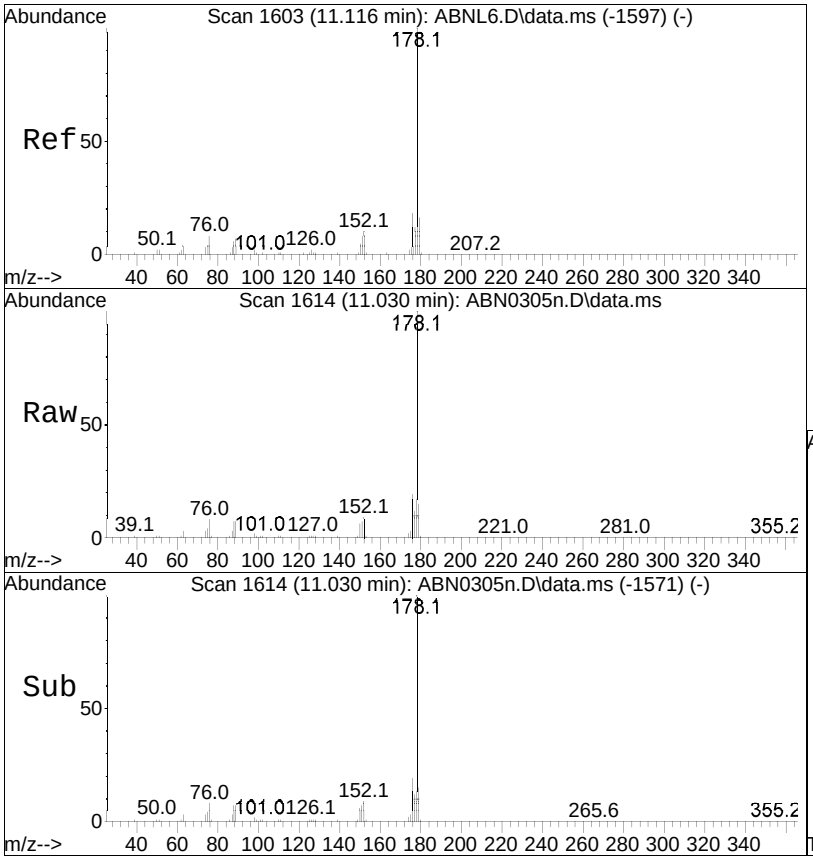


#82
Pentachlorophenol
Concen: 4.71 ug/ml
RT: 10.842 min Scan# 1582
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:266 Resp: 63749

Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.7	74.5
268	63.8	50.5	75.7

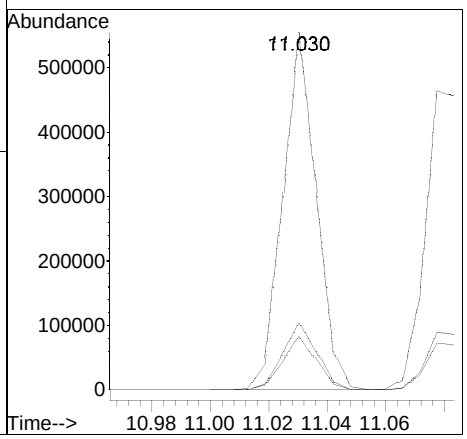


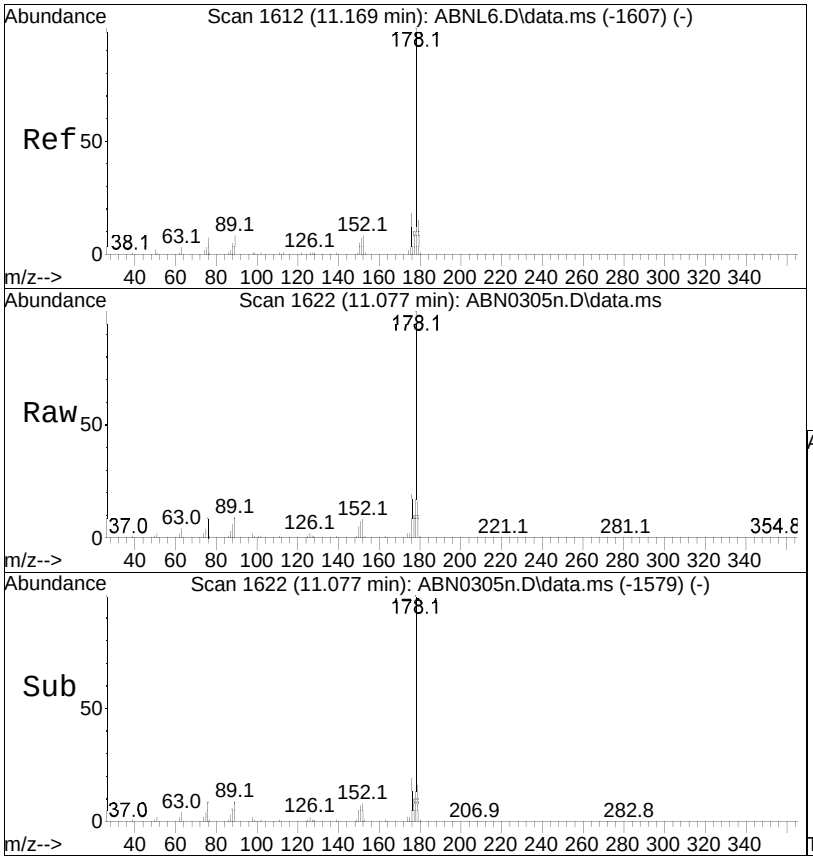


#89
Phenanthrene
Concen: 4.55 ug/ml
RT: 11.030 min Scan# 1614
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:178 Resp: 441052

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.2	15.4	23.2

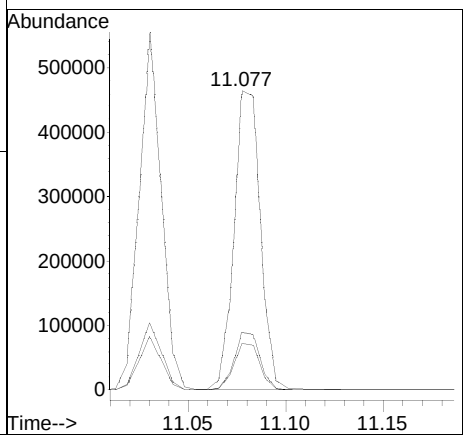


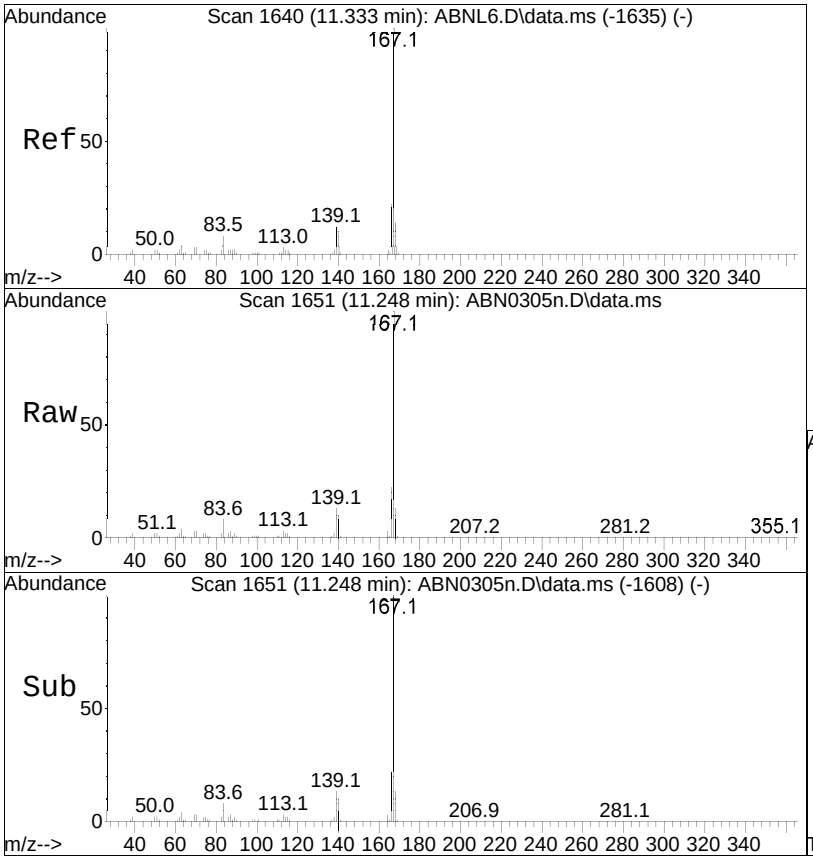


#90
Anthracene
Concen: 4.51 ug/ml
RT: 11.077 min Scan# 1622
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:178 Resp: 435830

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.8	14.6	22.0

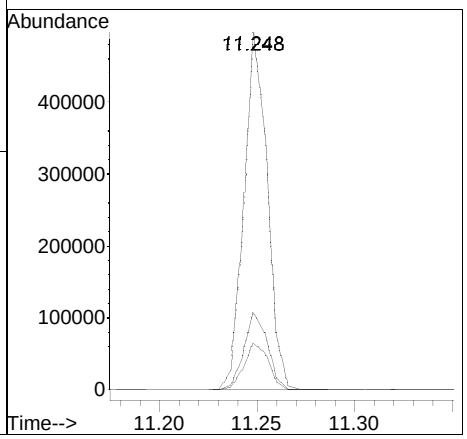


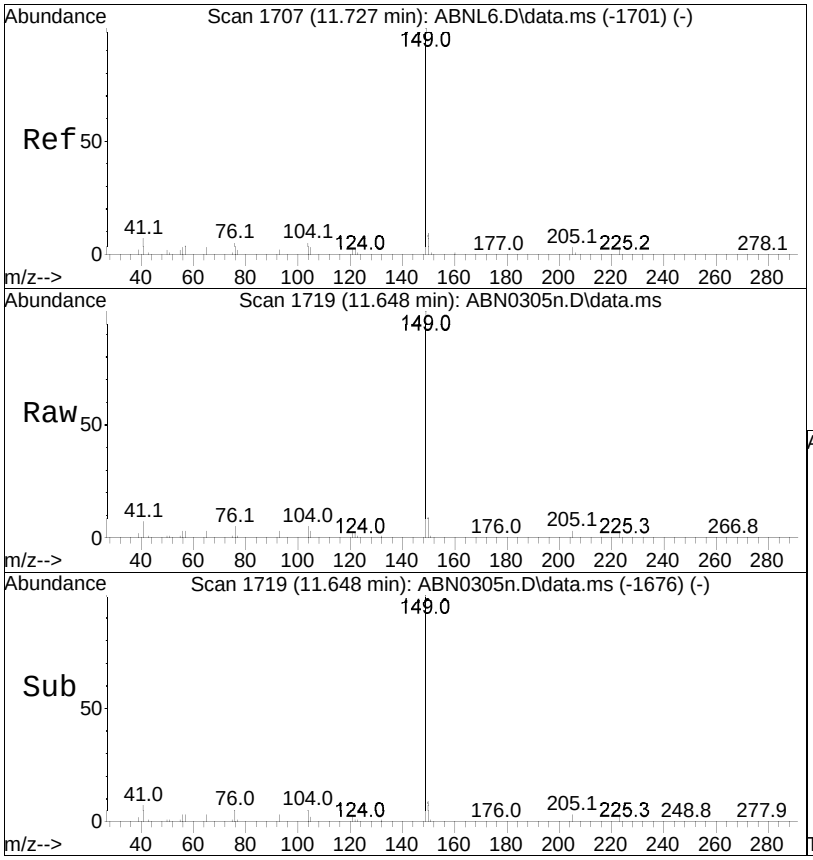


#91
Carbazole
Concen: 4.71 ug/ml
RT: 11.248 min Scan# 1651
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:167 Resp: 409579

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.1	17.4	26.0

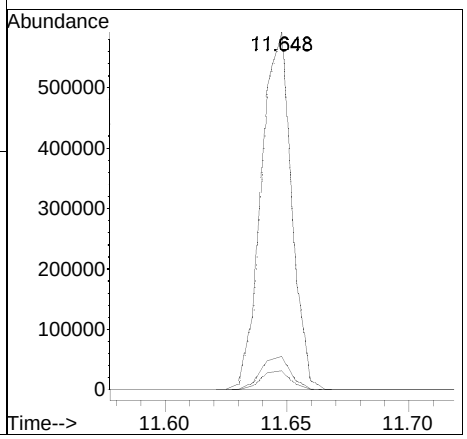


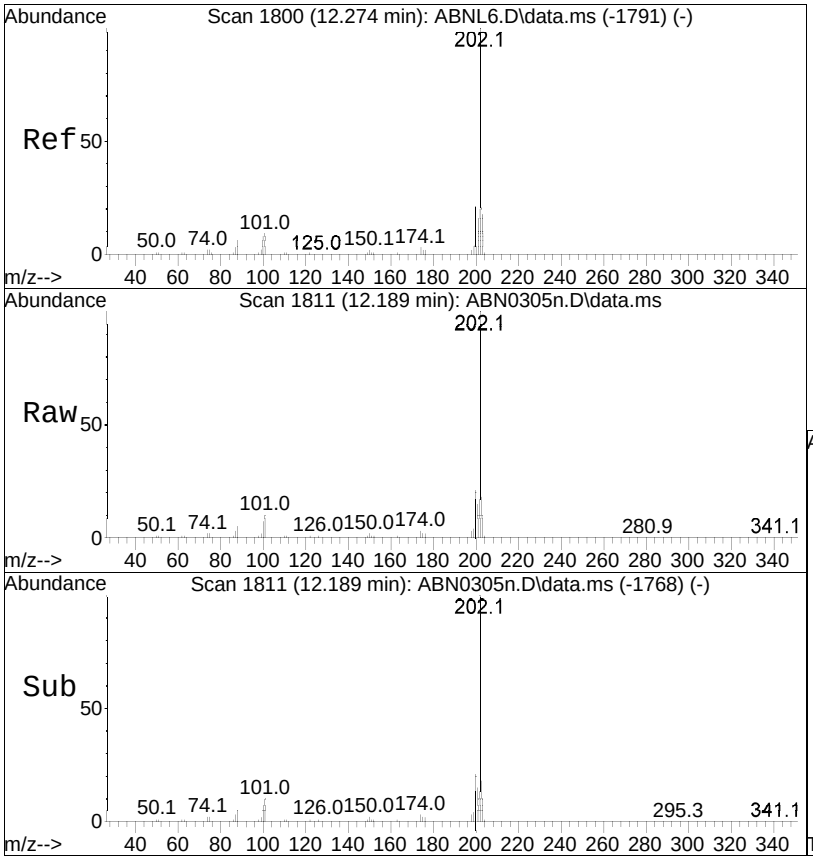


#92
Di-n-butylphthalate
Concen: 4.63 ug/ml
RT: 11.648 min Scan# 1719
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:149 Resp: 503813

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.5	4.5	6.7

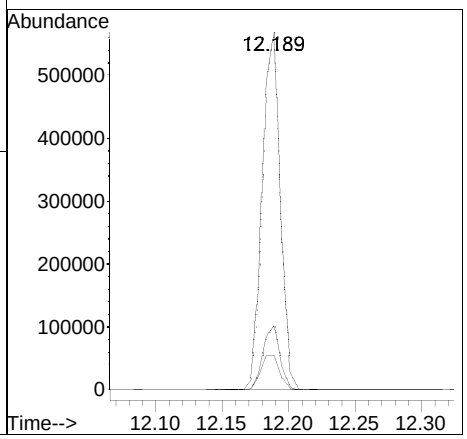


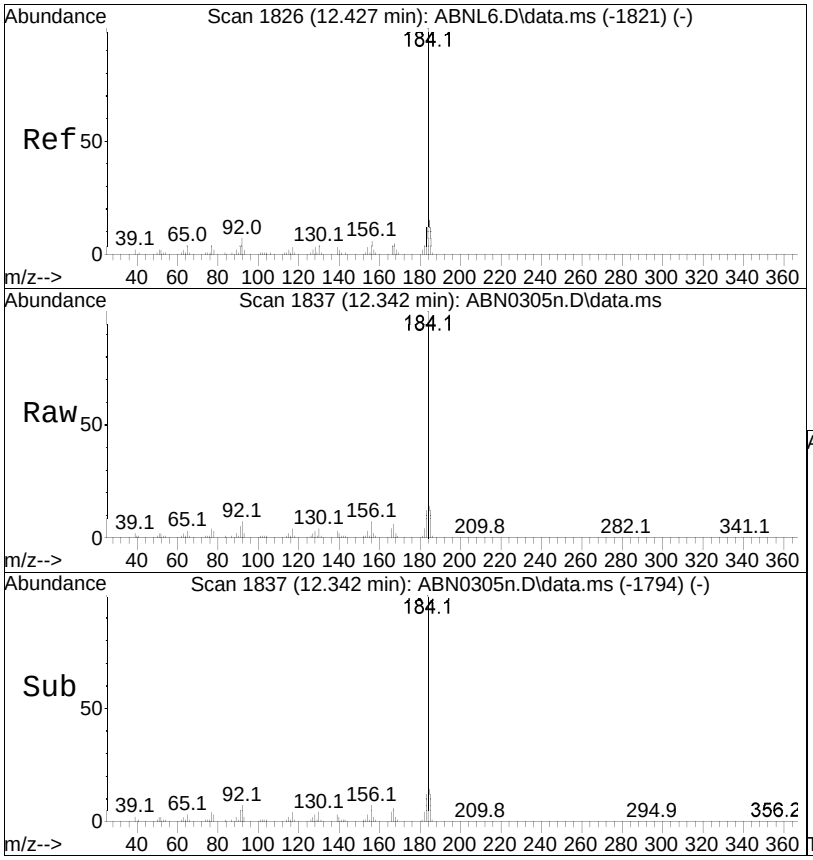


#93
Fluoranthene
Concen: 4.71 ug/ml
RT: 12.189 min Scan# 1811
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:202 Resp: 526509

Ion	Ratio	Lower	Upper
202	100		
101	10.5	13.5	20.3#
203	17.2	13.6	20.4

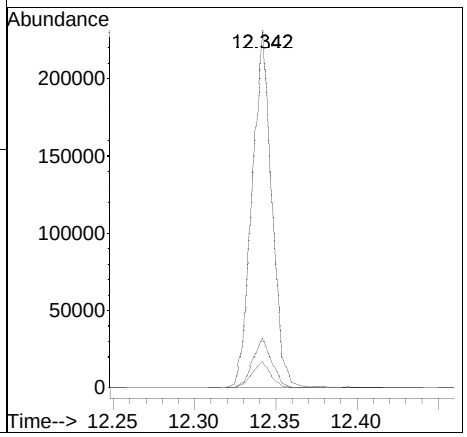


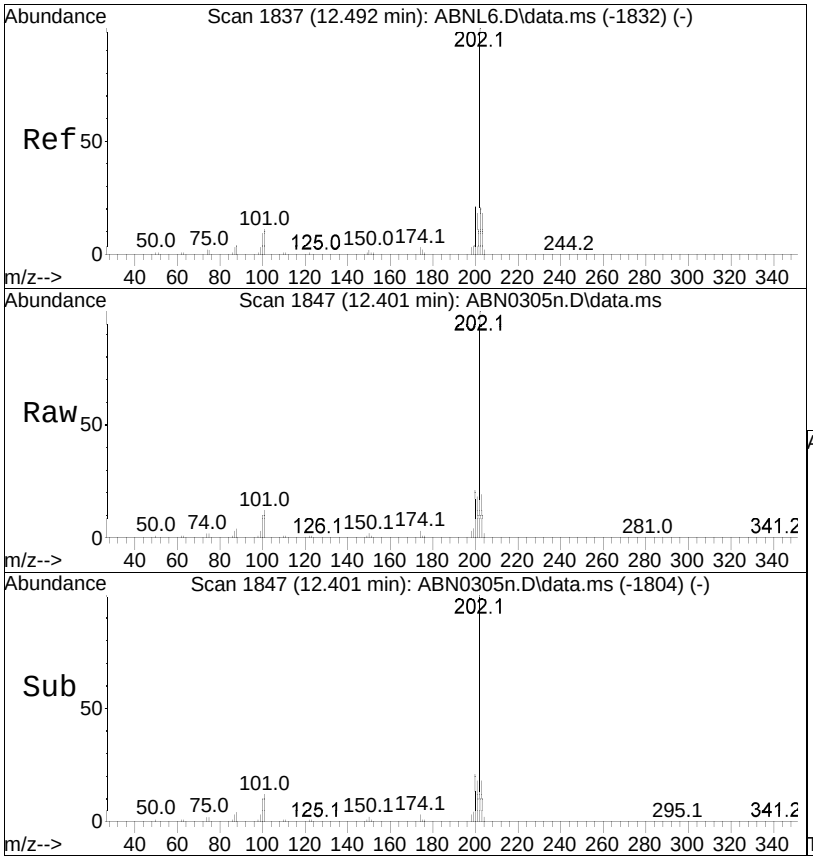


#94
Benzidine
Concen: 3.00 ug/ml
RT: 12.342 min Scan# 1837
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:184 Resp: 192376

Ion	Ratio	Lower	Upper
184	100		
92	7.2	9.1	13.7#
185	13.6	11.1	16.7

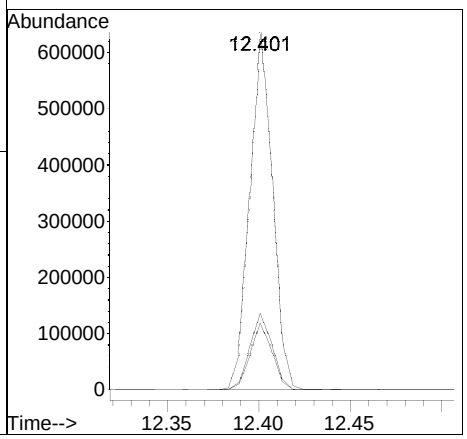


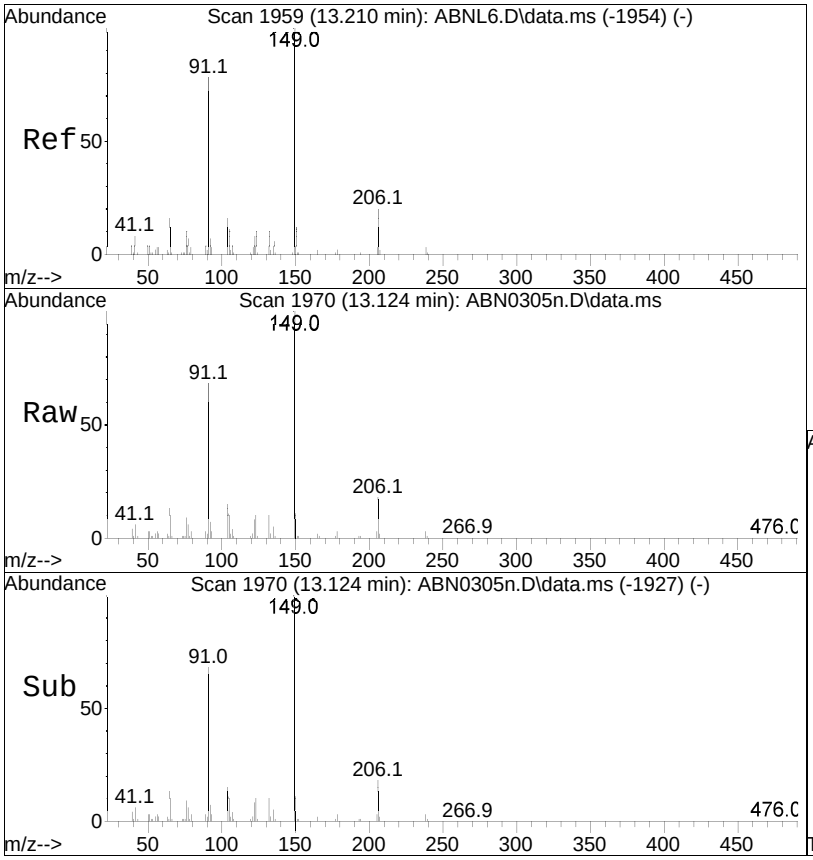


#95
Pyrene
Concen: 4.64 ug/ml
RT: 12.401 min Scan# 1847
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:202 Resp: 547256

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	18.1	14.2	21.4

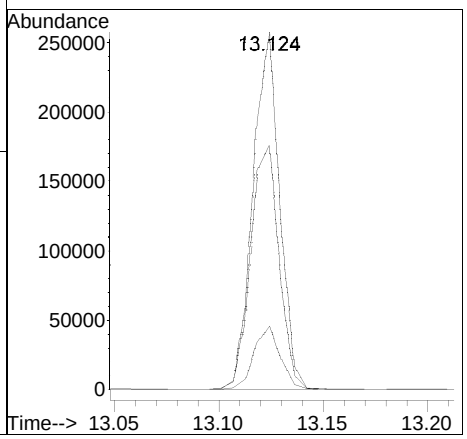


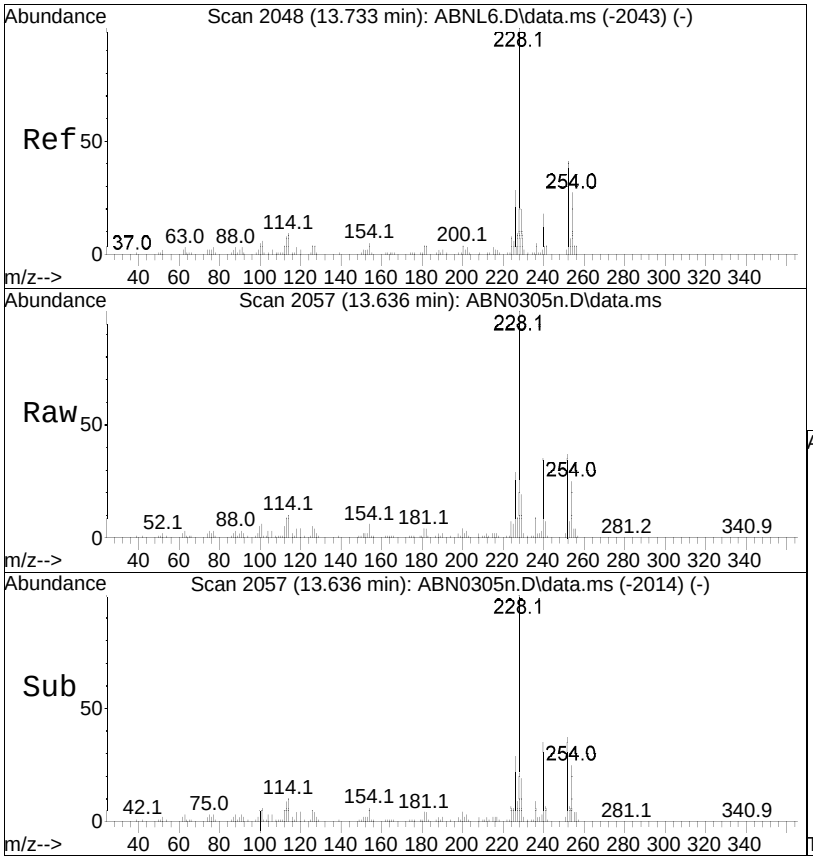


#97
Butyl benzyl phthalate
Concen: 4.92 ug/ml
RT: 13.124 min Scan# 1970
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:149 Resp: 225155

Ion	Ratio	Lower	Upper
149	100		
91	72.9	63.3	94.9
206	17.6	13.9	20.9

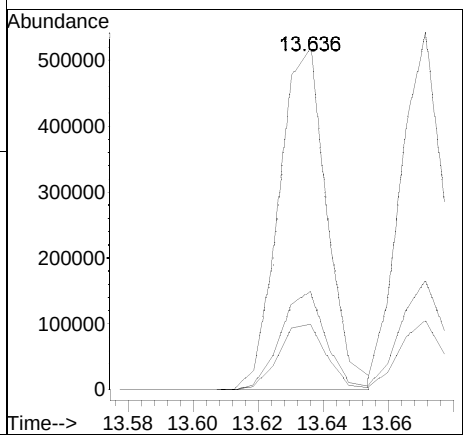


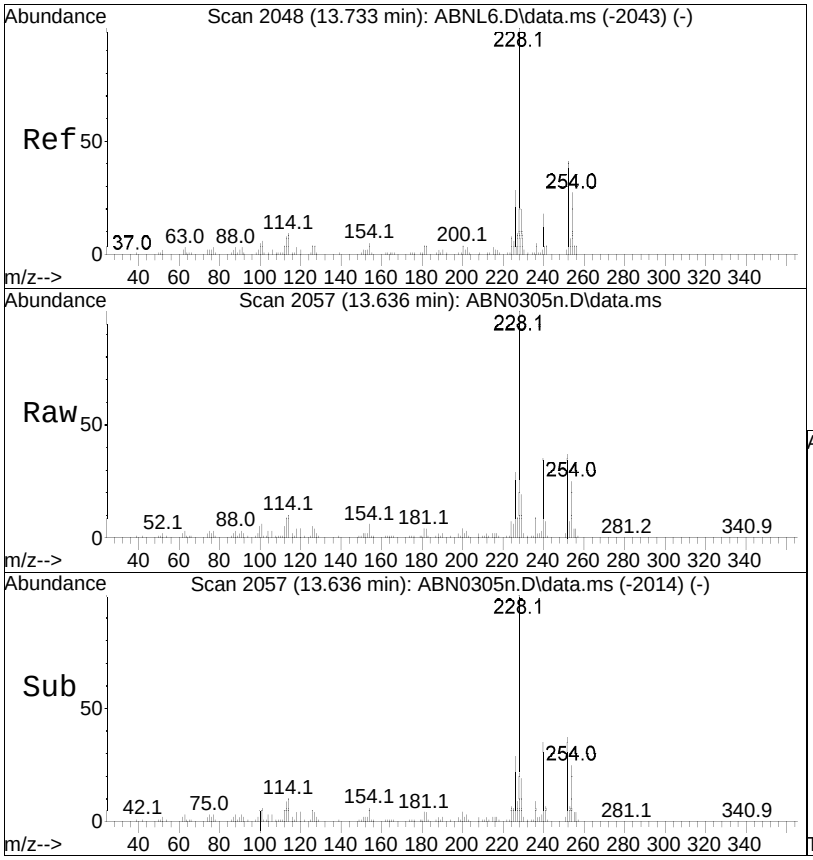


#105
Benzo(a)anthracene
Concen: 4.66 ug/ml
RT: 13.636 min Scan# 2057
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:228 Resp: 532791

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.3	15.6	23.4

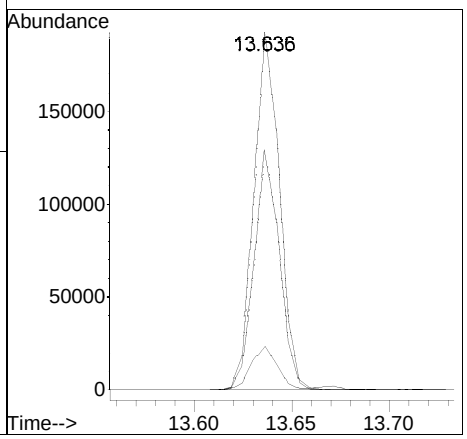


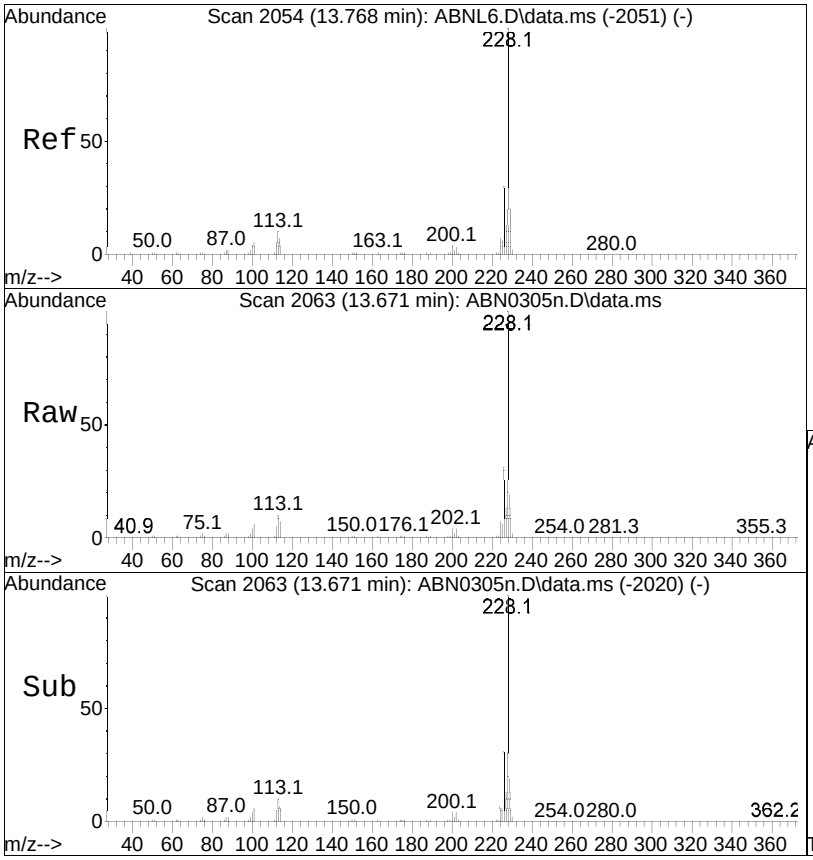


#106
3,3'-Dichlorobenzidine
Concen: 4.65 ug/ml
RT: 13.636 min Scan# 2057
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:252 Resp: 174526

Ion	Ratio	Lower	Upper
252	100		
126	13.0	14.5	21.7#
254	66.4	51.2	76.8

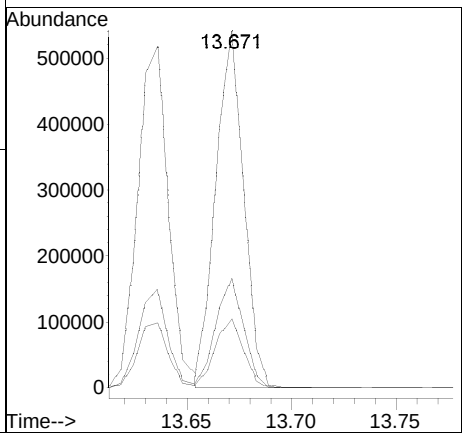


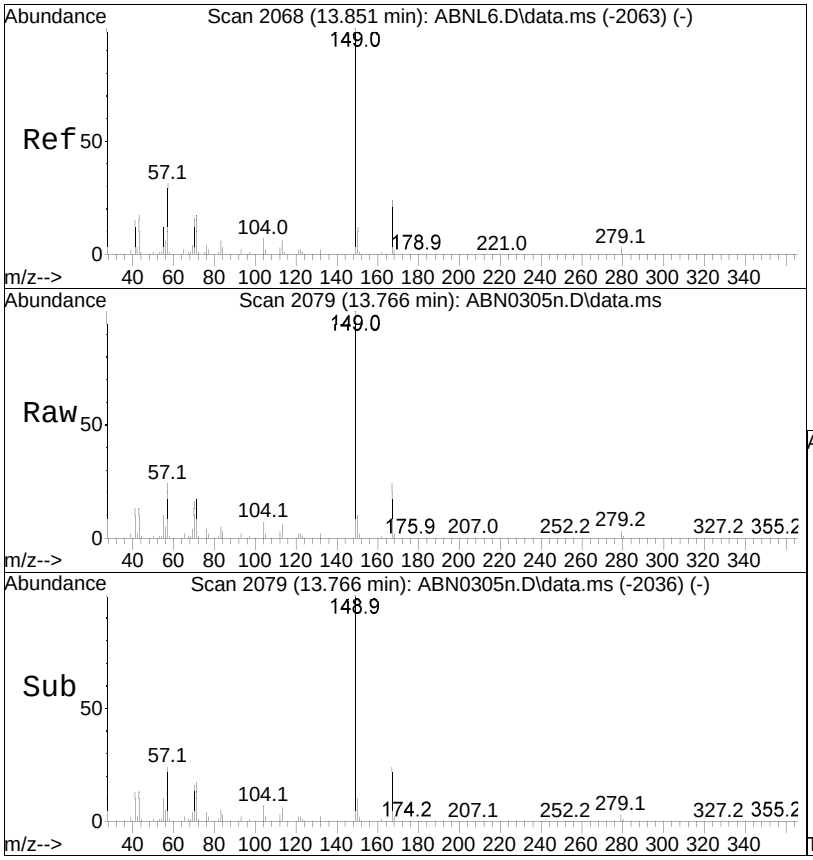


#107
Chrysene
Concen: 4.60 ug/ml
RT: 13.671 min Scan# 2063
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:228 Resp: 504205

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	19.6	15.8	23.8

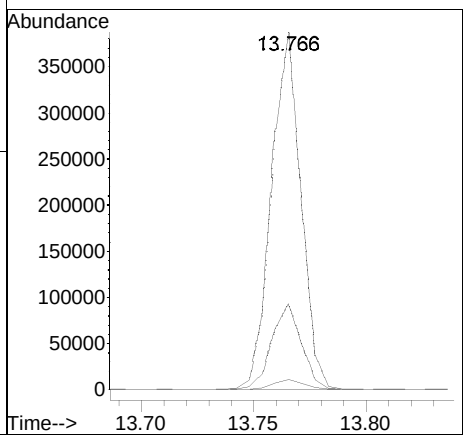


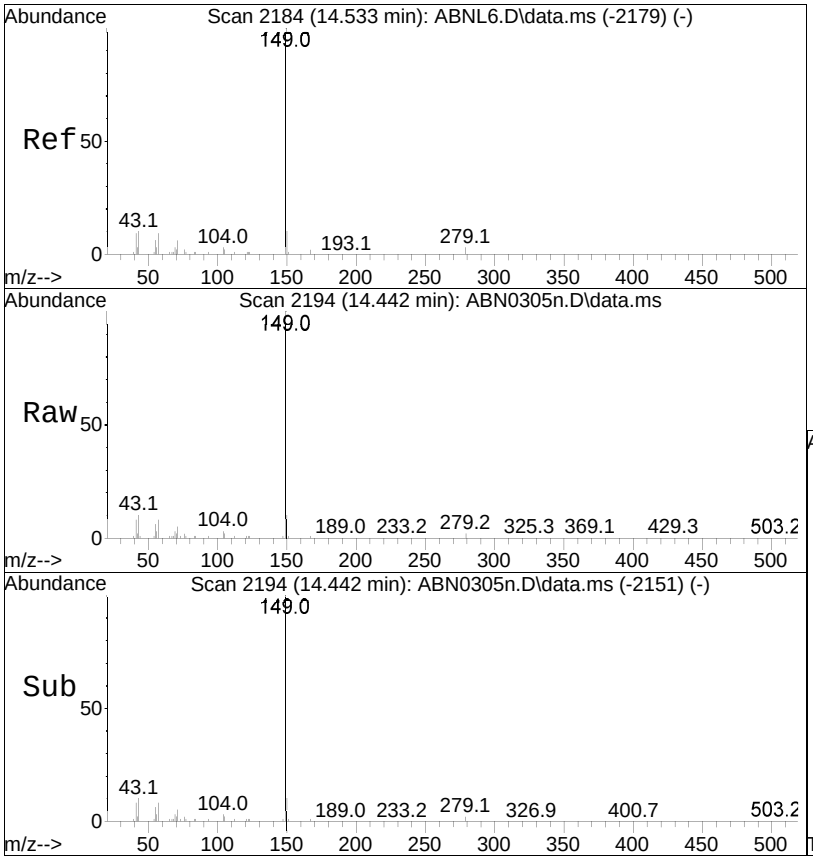


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.09 ug/ml
RT: 13.766 min Scan# 2079
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:149 Resp: 349068

Ion	Ratio	Lower	Upper
149	100		
167	24.2	22.1	33.1
279	2.7	3.0	4.4#

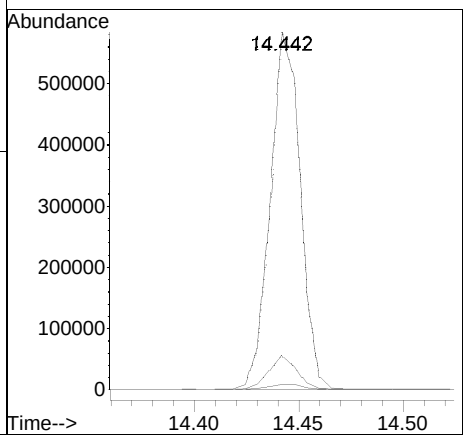


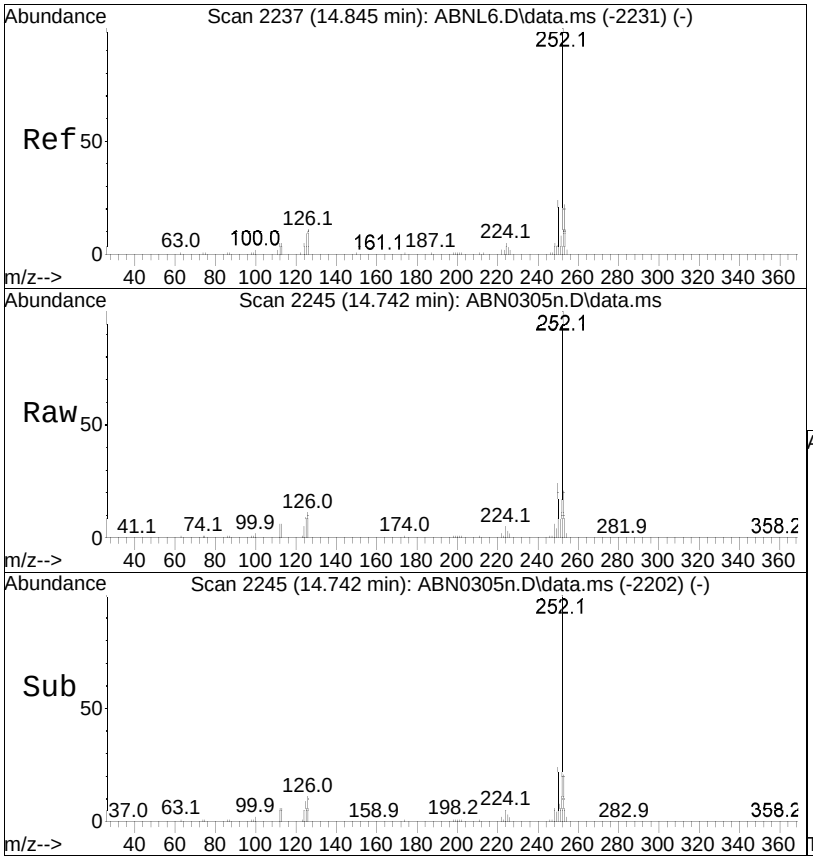


#109
Di-n-octylphthalate
Concen: 5.05 ug/ml
RT: 14.442 min Scan# 2194
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:149 Resp: 574529

Ion	Ratio	Lower	Upper
149	100		
43	9.0	18.8	28.2#
167	1.5	1.3	1.9

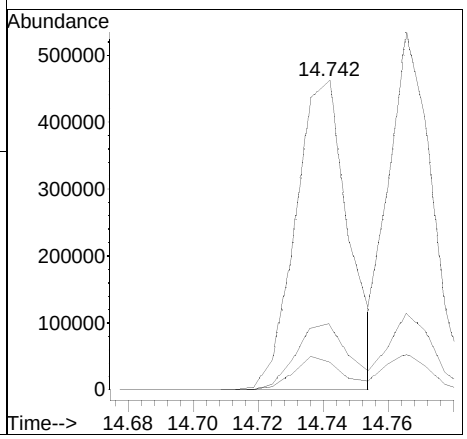


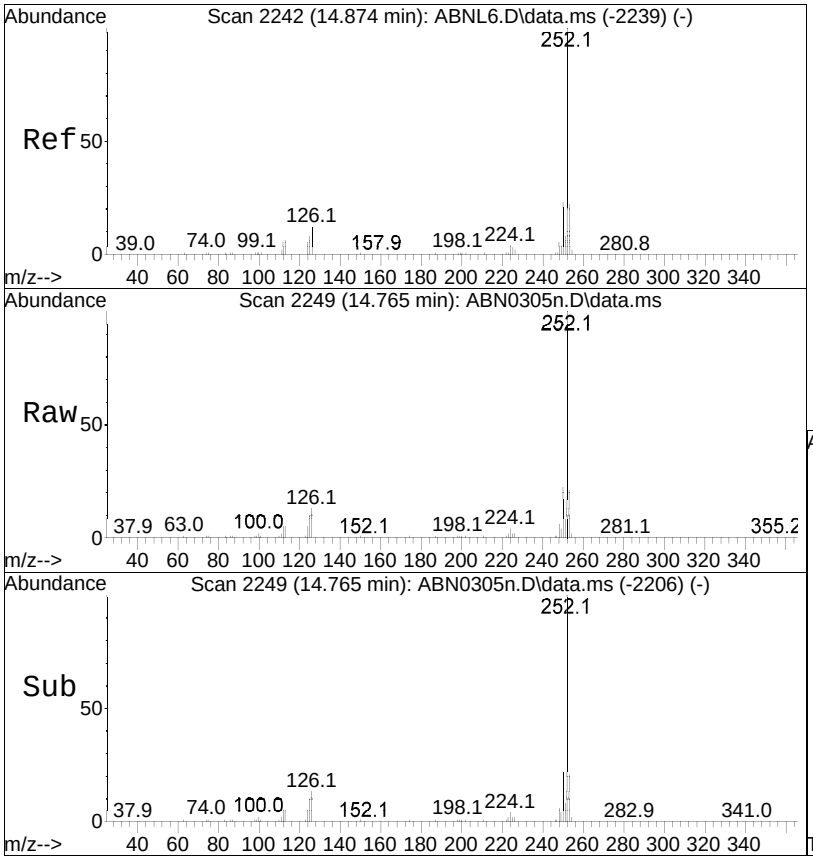


#110
Benzo(b)fluoranthene
Concen: 4.79 ug/ml
RT: 14.742 min Scan# 2245
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:252 Resp: 527613

Ion	Ratio	Lower	Upper
252	100		
125	10.1	13.3	19.9#
253	21.7	17.1	25.7

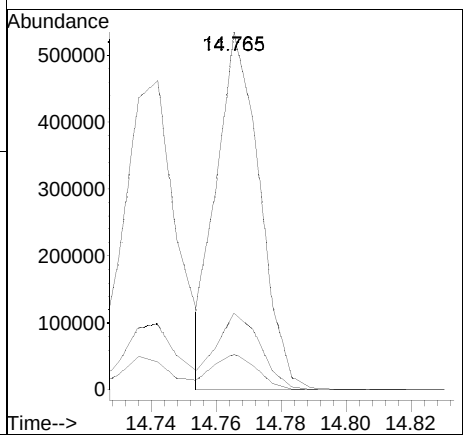


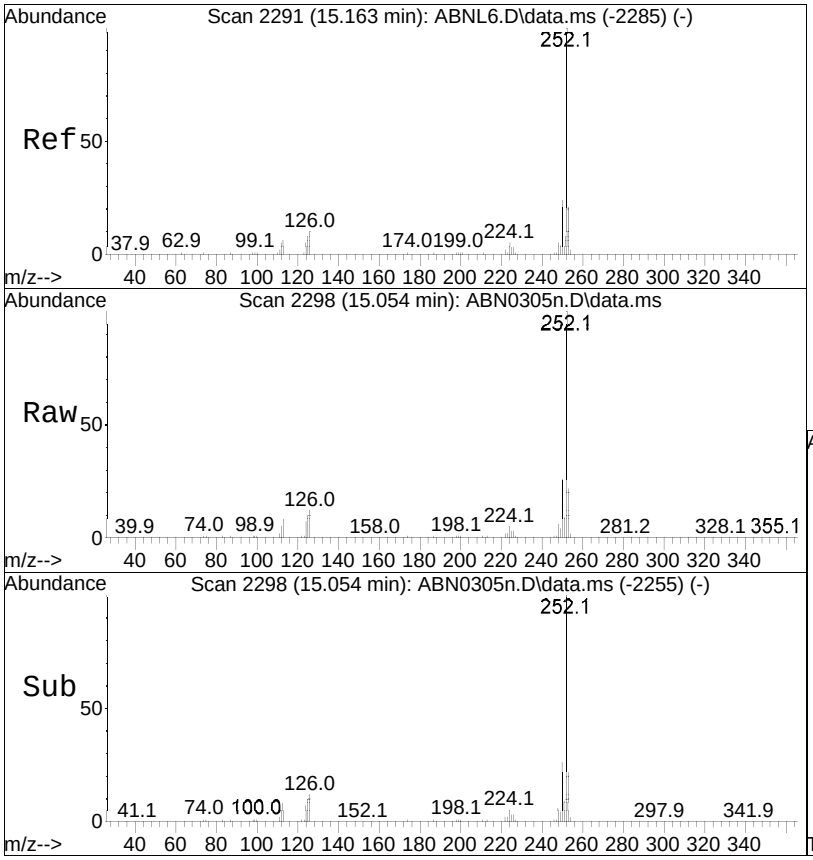


#111
Benzo(k)fluoranthene
Concen: 4.72 ug/ml
RT: 14.765 min Scan# 2249
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:252 Resp: 485070

Ion	Ratio	Lower	Upper
252	100		
125	10.1	13.0	19.6#
253	21.8	16.8	25.2

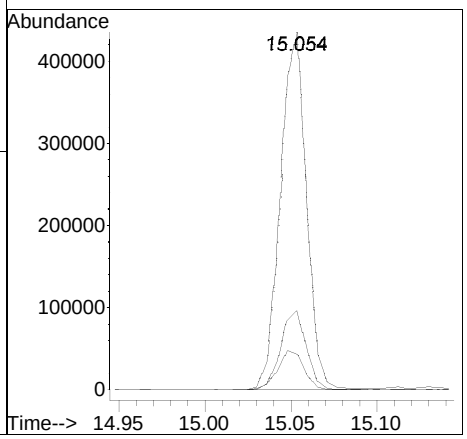


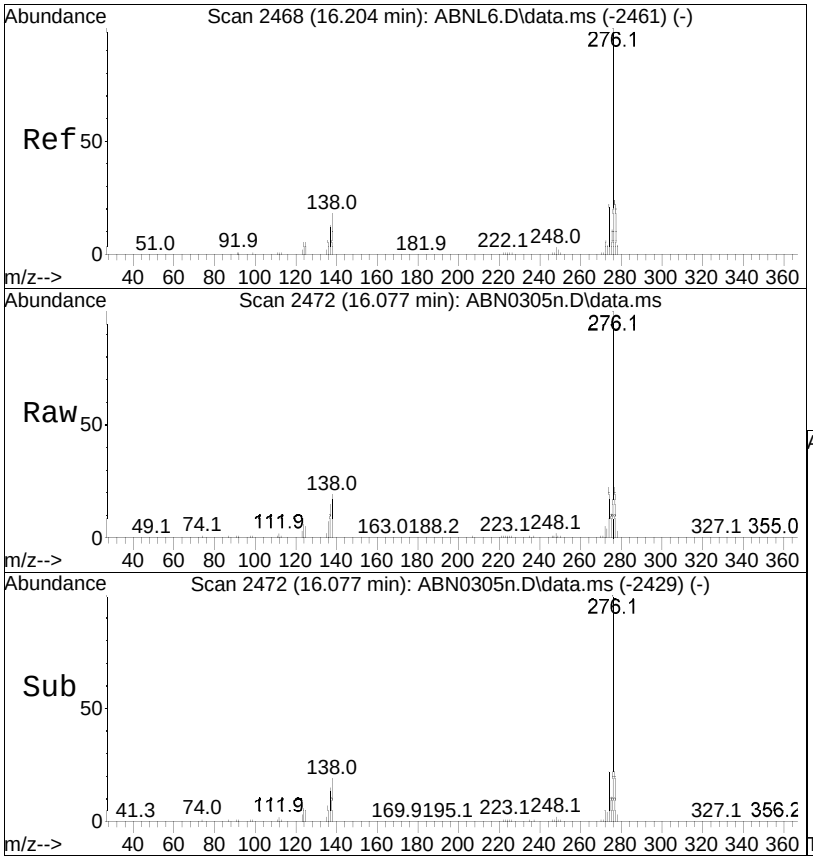


#112
Benzo(a)pyrene
Concen: 4.72 ug/ml
RT: 15.054 min Scan# 2298
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:252 Resp: 451517

Ion	Ratio	Lower	Upper
252	100		
125	11.3	14.2	21.2#
253	22.1	16.9	25.3

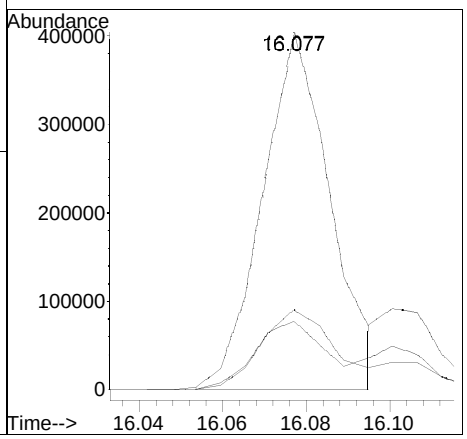


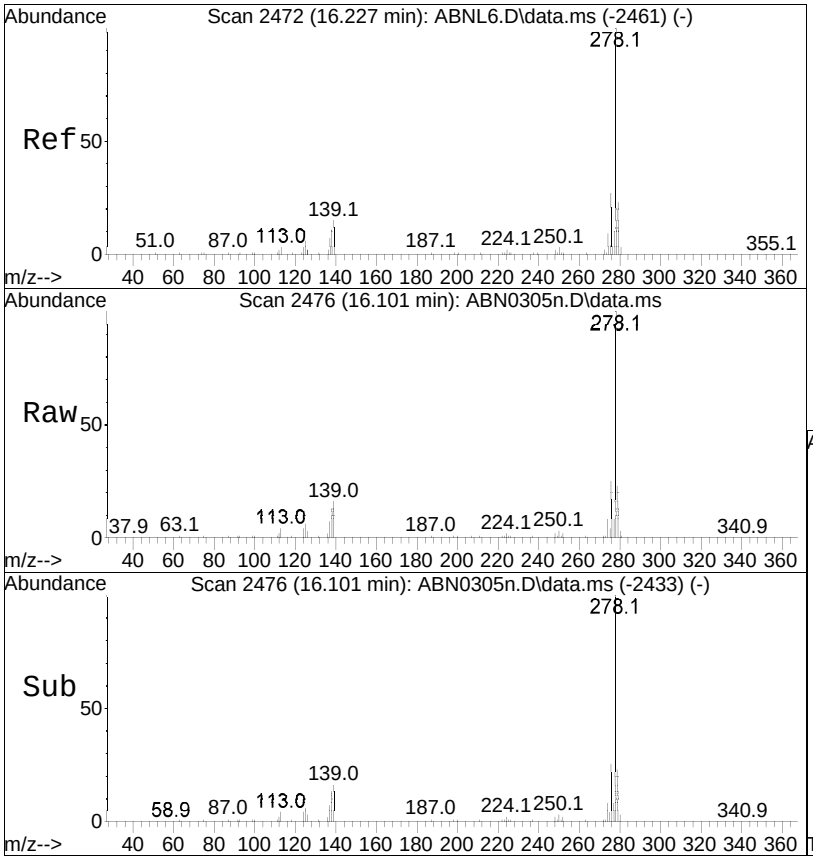


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.39 ug/mL M6
RT: 16.077 min Scan# 2472
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:276 Resp: 456517

Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.1	37.7#
277	31.0	18.6	28.0#

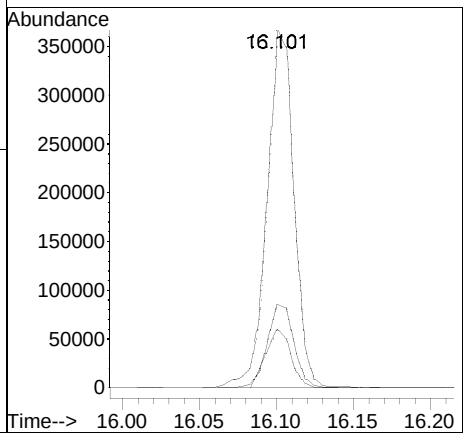


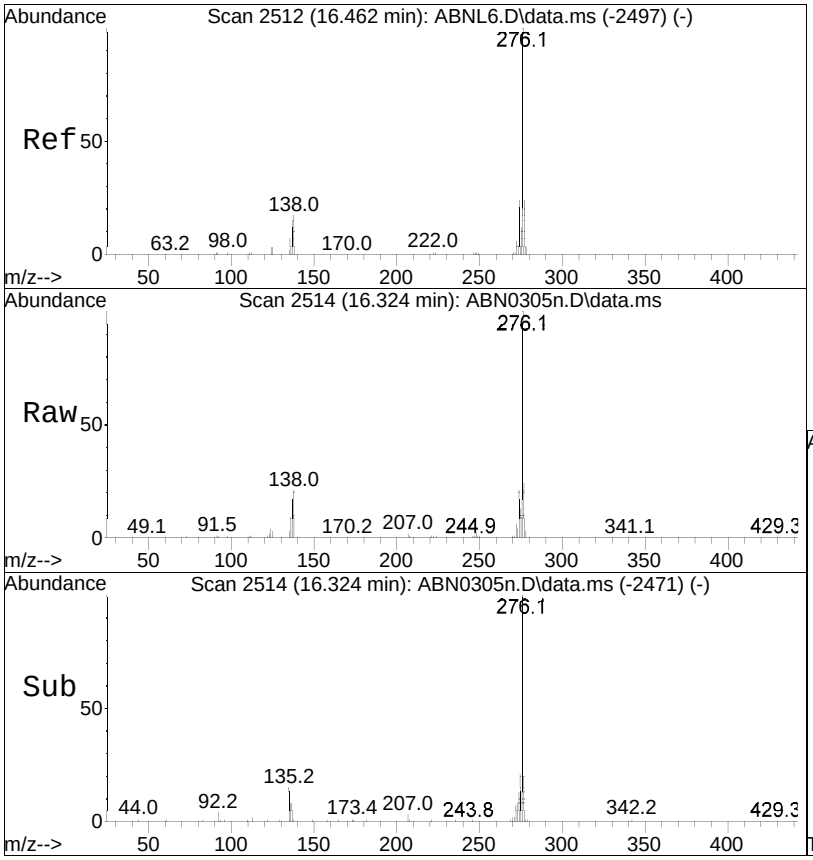


#115
Dibenzo(a,h)anthracene
Concen: 4.48 ug/ml
RT: 16.101 min Scan# 2476
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:278 Resp: 443140

Ion	Ratio	Lower	Upper
278	100		
139	15.5	20.8	31.2#
279	23.4	18.3	27.5

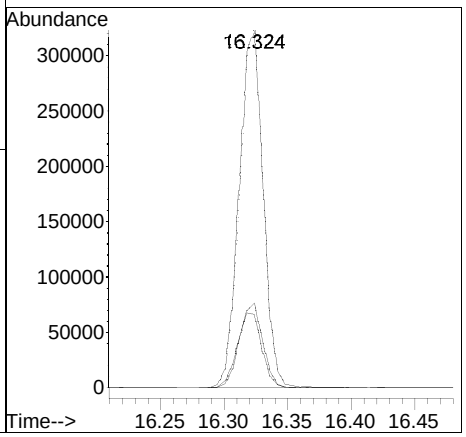




#116
Benzo(ghi)perylene
Concen: 4.53 ug/ml
RT: 16.324 min Scan# 2514
Delta R.T. 0.000 min
Lab File: ABN0305n.D
Acq: 6 Mar 2025 12:49 am

Tgt Ion:276 Resp: 418881

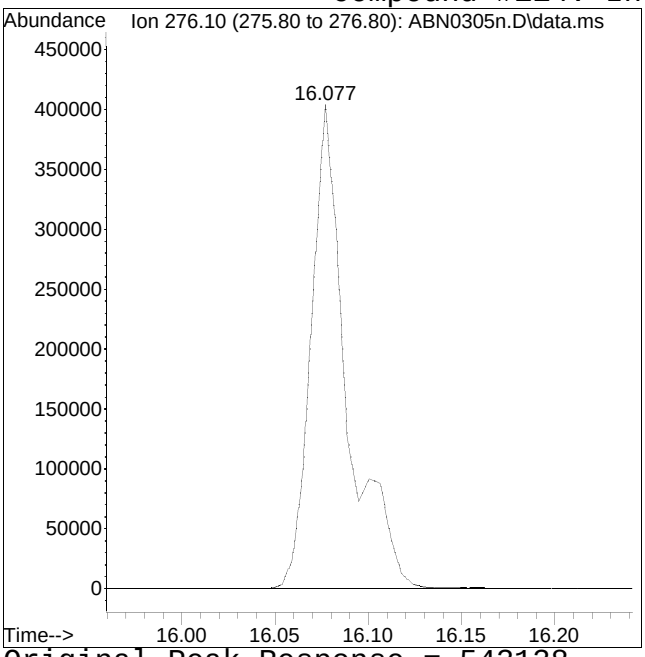
Ion	Ratio	Lower	Upper
276	100		
138	21.7	29.2	43.8#
277	23.3	18.8	28.2



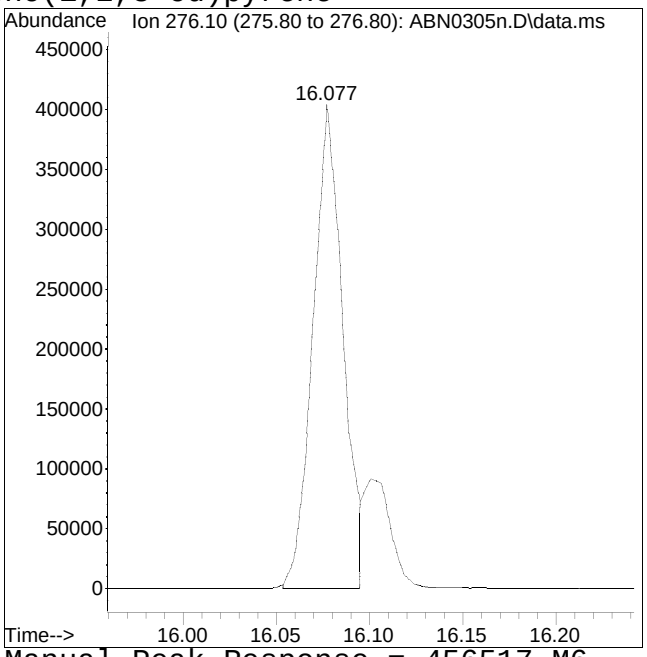
Manual Integration Report

Data Path : I:\8270\SV106\250305NRVT\ QMethod : FS241009SV106.m
Data File : ABN0305n.D Operator : SV106:imk
Date Inj'd : 3/6/2025 12:49 am Instrument : SV 106
Sample : WG2037122-3,32,,ABN RVT CCQuant Date : 3/6/2025 1:17 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 543138



Manual Peak Response = 456517 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250305NRVT\
Data File : AP90305n.D
Acq On : 6 Mar 2025 1:12 am
Operator : SV106:imk
Sample : WG2037122-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2037122,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 01:55:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:56:38 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
28	T	Benzaldehyde	0.948	0.879	7.3	90	0.00
29	T	Acetophenone	1.829	1.755	4.0	97	0.00
30	T	m-Toluidine	1.612	1.518	5.8	94	0.00
31	T	2-Chloroaniline	1.609	1.498	6.9	91	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	94	0.00
56	T	a-Terpineol	0.282	0.282	0.0	95	0.00
57	T	3-Chloroaniline	0.132	0.151	-14.4	102	0.00
58	T	2,6-Dichlorophenol	0.300	0.285	5.0	87	0.00
59	T	1-chloro-2-nitrobenzene	0.145	0.142	2.1	92	0.00
60	T	Caprolactam	0.147	0.139	5.4	87	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.402	0.375	6.7	89	0.00
62	T	Biphenyl	0.907	0.838	7.6	86	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
84	T	Dichloran	0.181	0.156	13.8	84	0.00
85	T	Pentachloronitrobenzene	0.193	0.188	2.6	91	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	92	0.00
99	T	Diphenamid	0.505	0.488	3.4	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : AP90305n.D
Acq On : 6 Mar 2025 1:12 am
Operator : SV106:imk
Sample : WG2037122-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2037122,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 01:55:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:56:38 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.372	152	68803	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	7.807	136	246463	4.000	ug/ml	#	0.00
83) IS2_Acenaphthene-d10	9.572	164	148400	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	11.007	188	297709	4.000	ug/ml		0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.796	105	75558	4.635	ug/ml		100
29) Acetophenone	6.878	105	150915	4.798	ug/ml	#	78
30) m-Toluidine	6.978	106	130576	4.708	ug/ml		94
31) 2-Chloroaniline	7.384	127	128860	4.655	ug/ml		94
56) a-Terpineol	7.884	59	86884	4.998	ug/ml	#	75
57) 3-Chloroaniline	7.895	65	46413	5.686	ug/ml		81
58) 2,6-Dichlorophenol	7.919	162	87701	4.745	ug/ml		90
59) 1-chloro-2-nitrobenzene	8.189	111	43672	4.875	ug/ml	#	1
60) Caprolactam	8.231	55	42874	4.744	ug/ml	#	62
61) 1,2,4,5-Tetrachloroben...	8.725	216	115586	4.668	ug/ml		98
62) Biphenyl	9.025	154	258189	4.621	ug/ml		99
84) Dichloran	10.707	206	28892	4.301	ug/ml	#	76
85) Pentachloronitrobenzene	10.854	237	34817	4.856	ug/ml	#	81
99) Diphenamid	11.919	167	181590	4.832	ug/ml		83

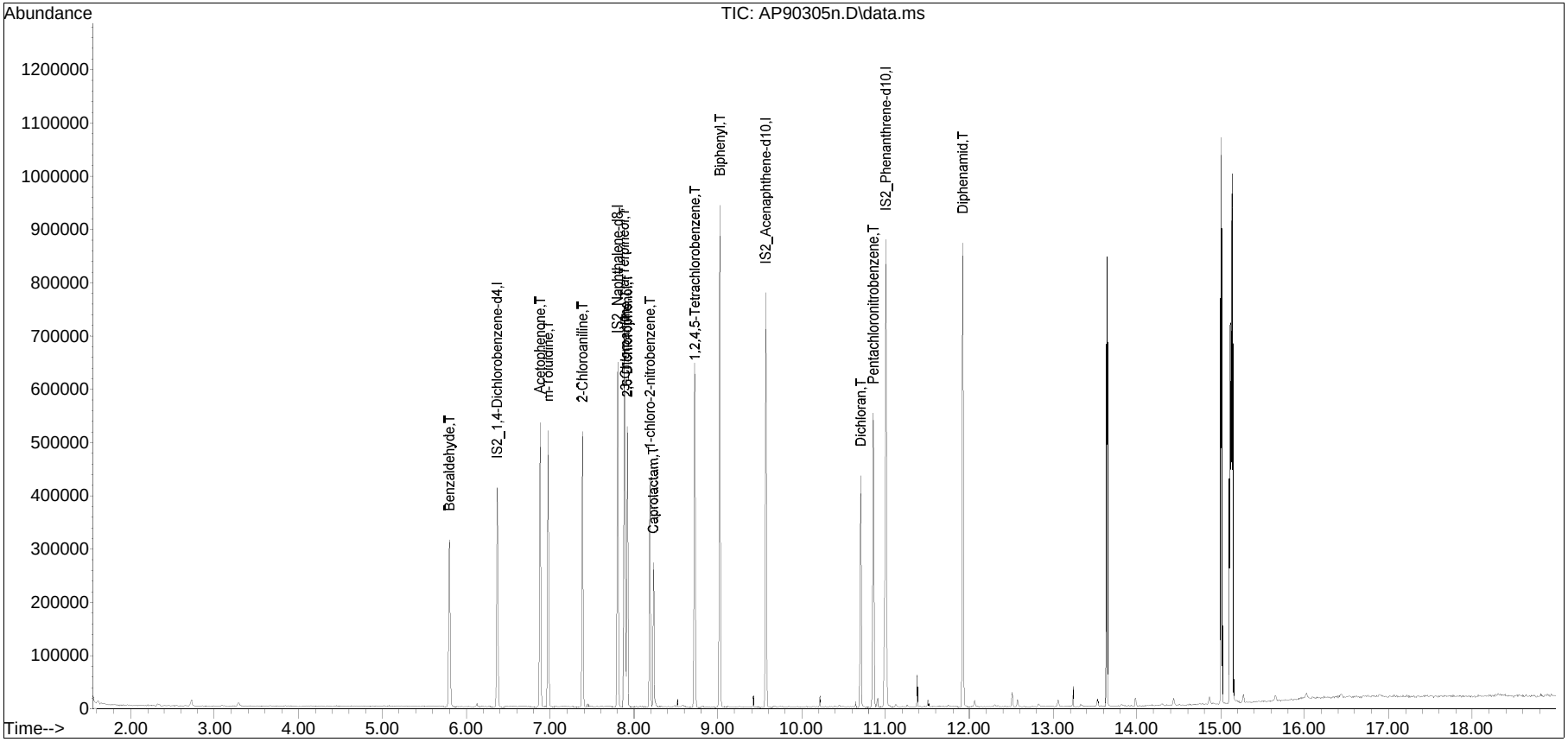
(#) = qualifier out of range (m) = manual integration (+) = signals summed

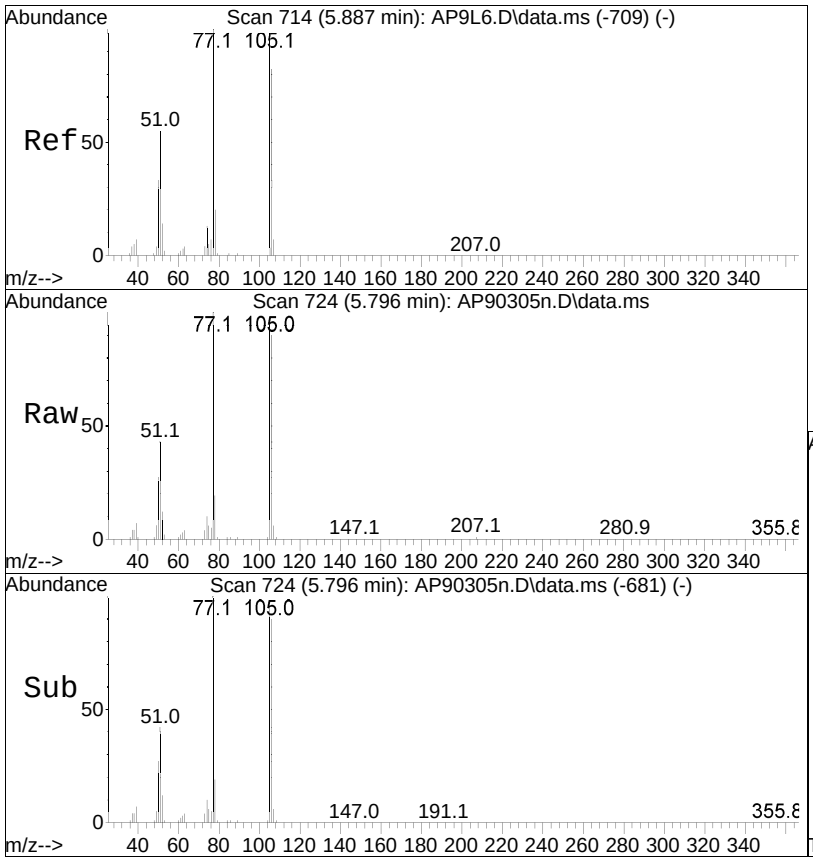
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : AP90305n.D
Acq On : 6 Mar 2025 1:12 am
Operator : SV106:imk
Sample : WG2037122-4,32,,AP9 RVT CCV Lot # 11152
Misc : WG2037122,,ical21604
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 01:55:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 01:56:38 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

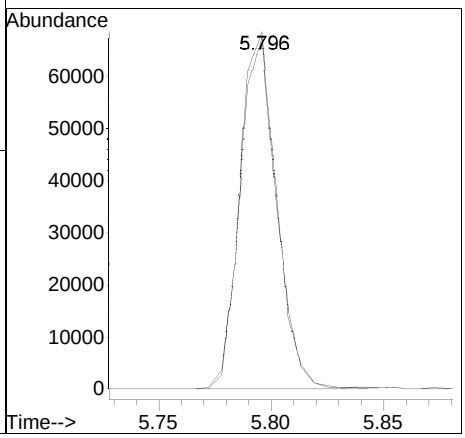


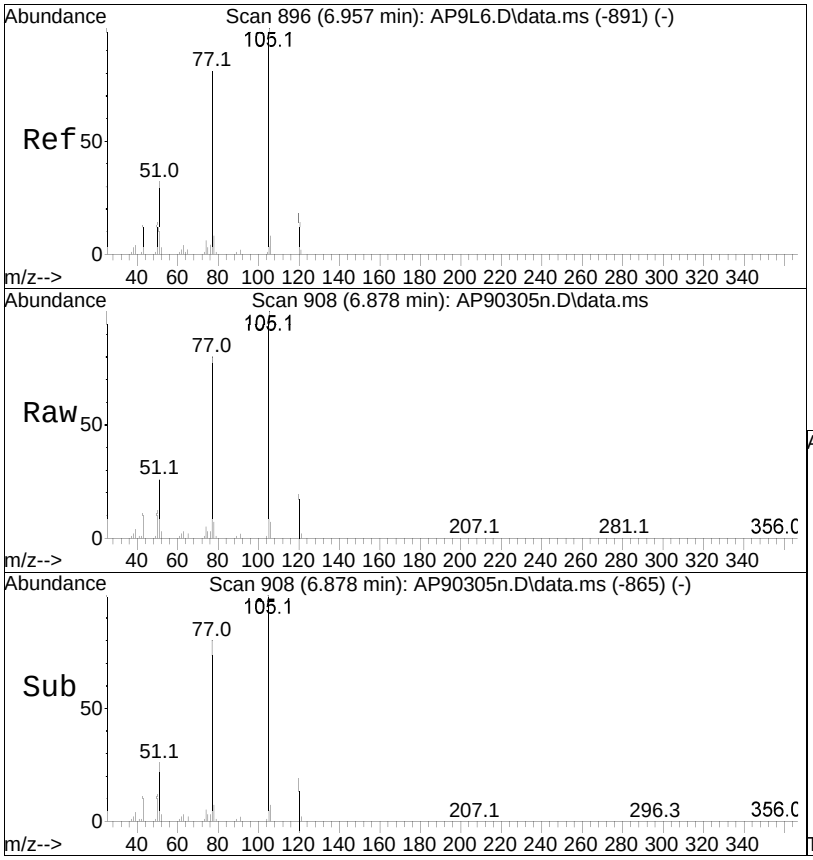


#28
Benzaldehyde
Concen: 4.64 ug/ml
RT: 5.796 min Scan# 724
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:105 Resp: 75558

Ion	Ratio	Lower	Upper
105	100		
77	102.8	82.2	123.4

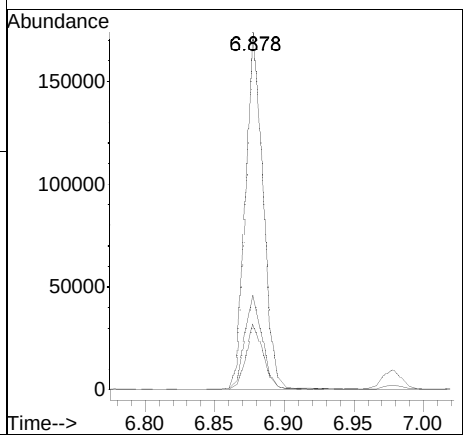


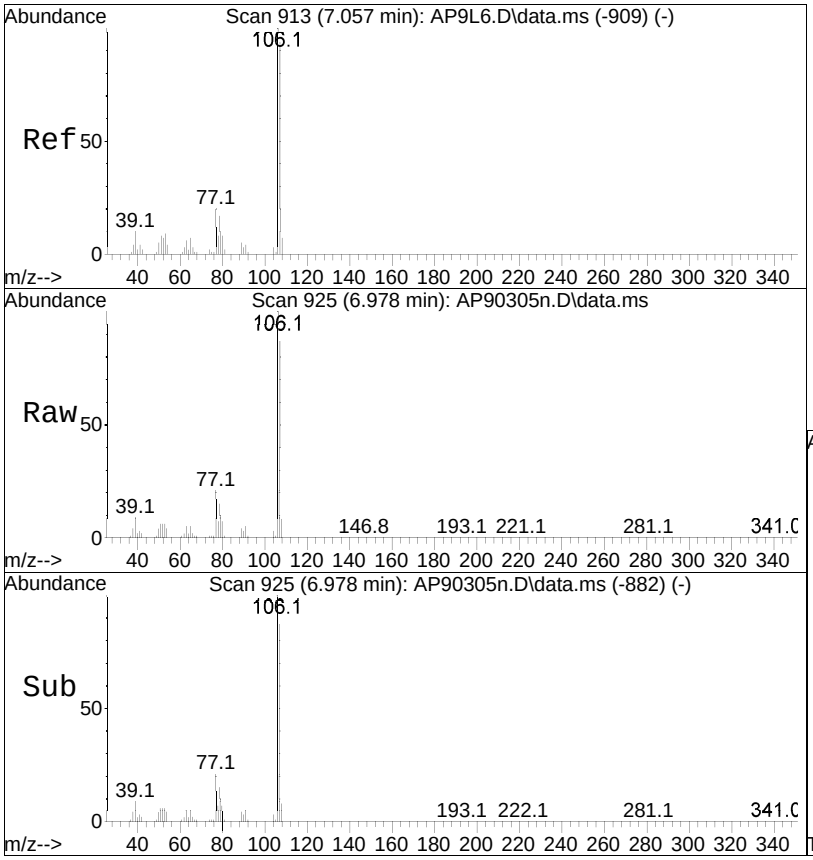


#29
Acetophenone
Concen: 4.80 ug/ml
RT: 6.878 min Scan# 908
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:105 Resp: 150915

Ion	Ratio	Lower	Upper
105	100		
120	18.1	20.5	30.7#
51	26.8	34.9	52.3#

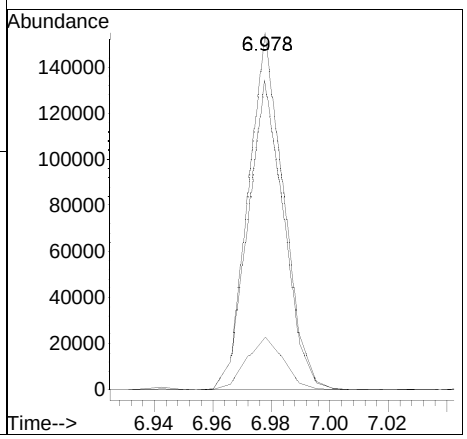


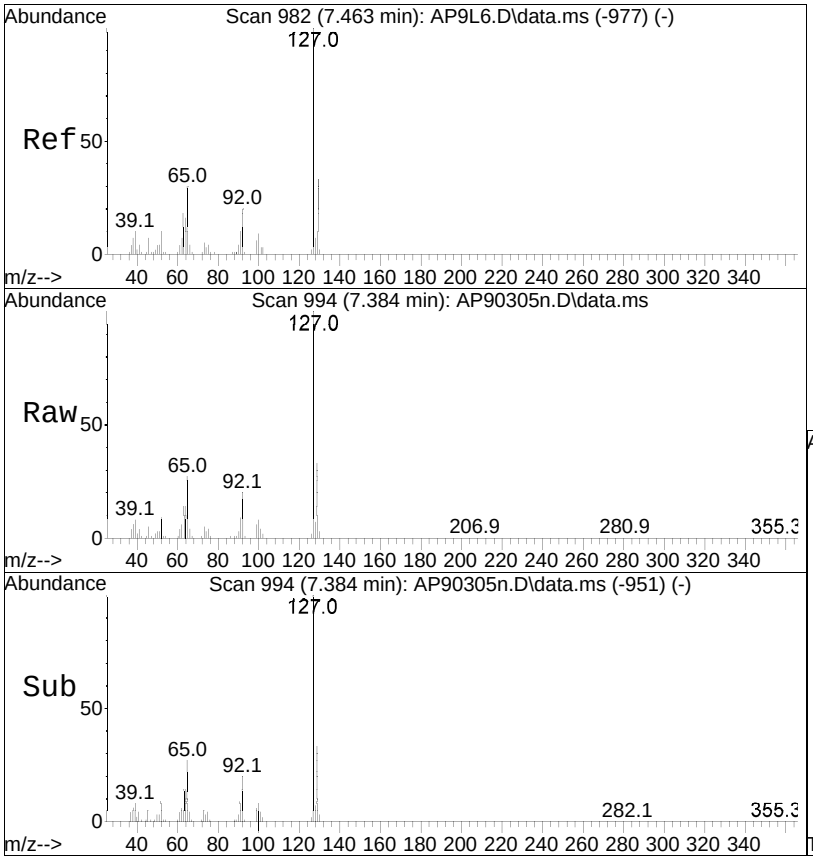


#30
m-Toluidine
Concen: 4.71 ug/ml
RT: 6.978 min Scan# 925
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:106 Resp: 130576

Ion	Ratio	Lower	Upper
106	100		
107	87.8	75.7	113.5
79	15.6	11.8	17.8

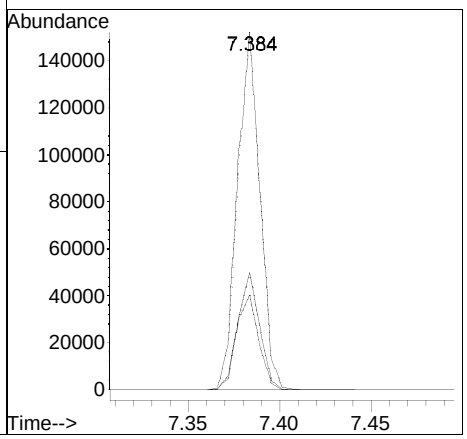


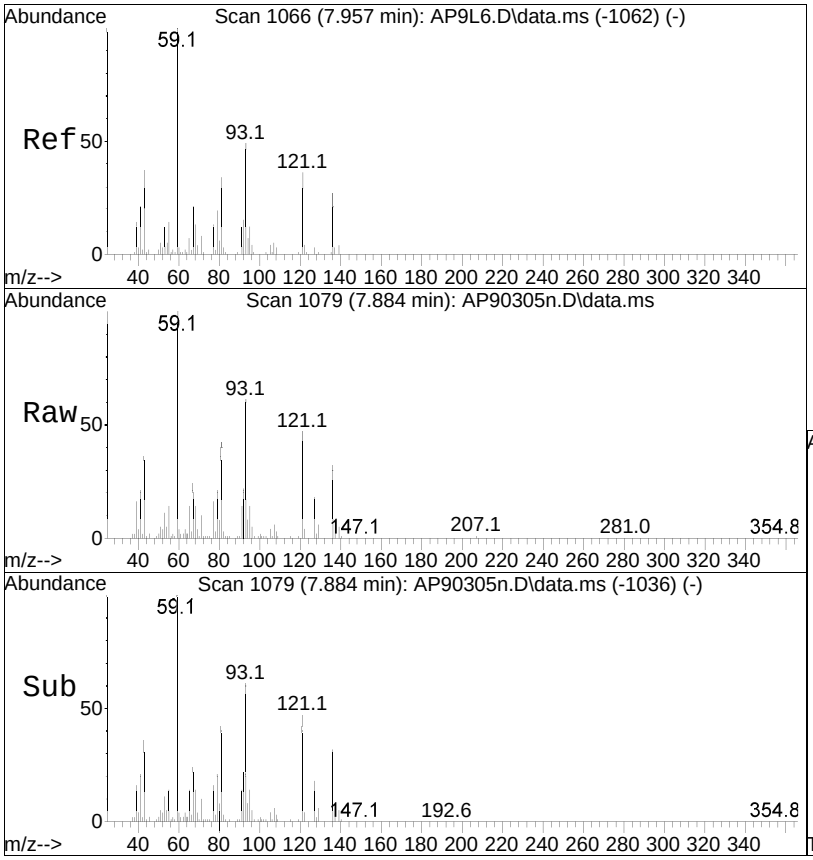


#31
2-Chloroaniline
Concen: 4.65 ug/ml
RT: 7.384 min Scan# 994
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:127 Resp: 128860

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	26.6	26.3	39.5

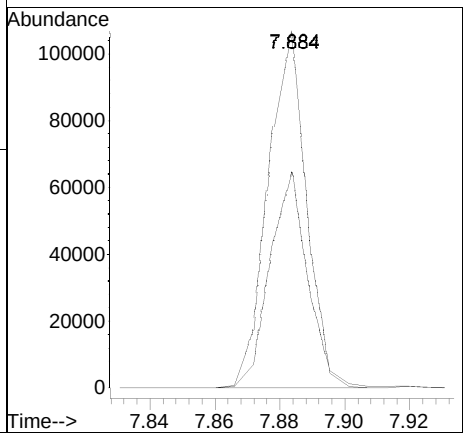


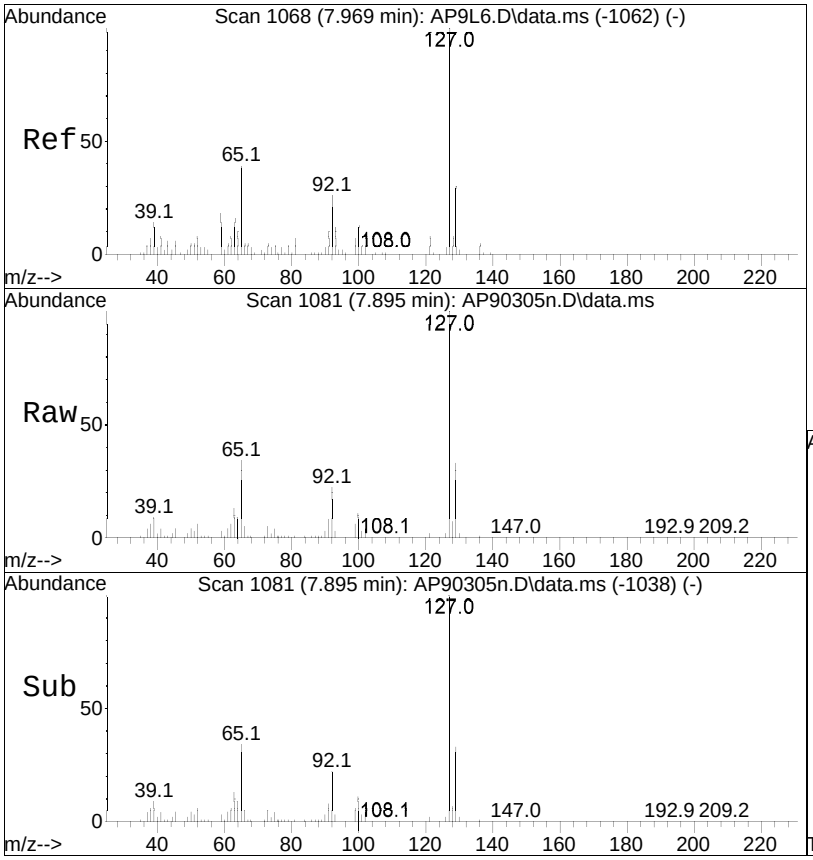


#56
a-Terpineol
Concen: 5.00 ug/ml
RT: 7.884 min Scan# 1079
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion: 59 Resp: 86884

Ion	Ratio	Lower	Upper
59	100		
93	60.7	35.6	53.4#

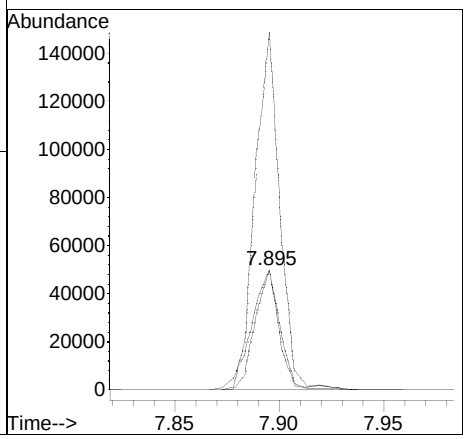


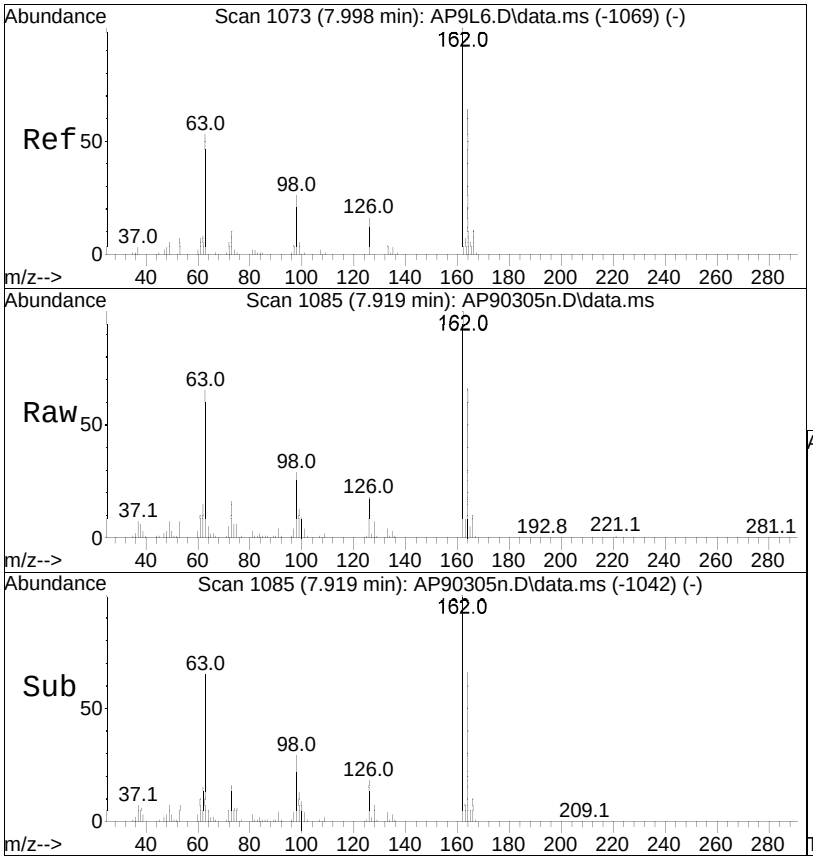


#57
3-Chloroaniline
Concen: 5.69 ug/ml
RT: 7.895 min Scan# 1081
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion: 65 Resp: 46413

Ion	Ratio	Lower	Upper
65	100		
127	260.1	243.2	364.8
129	88.6	78.8	118.2

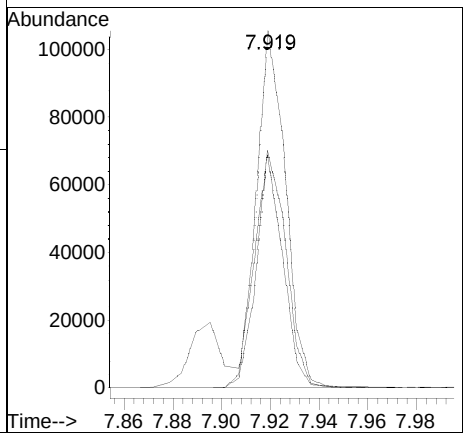


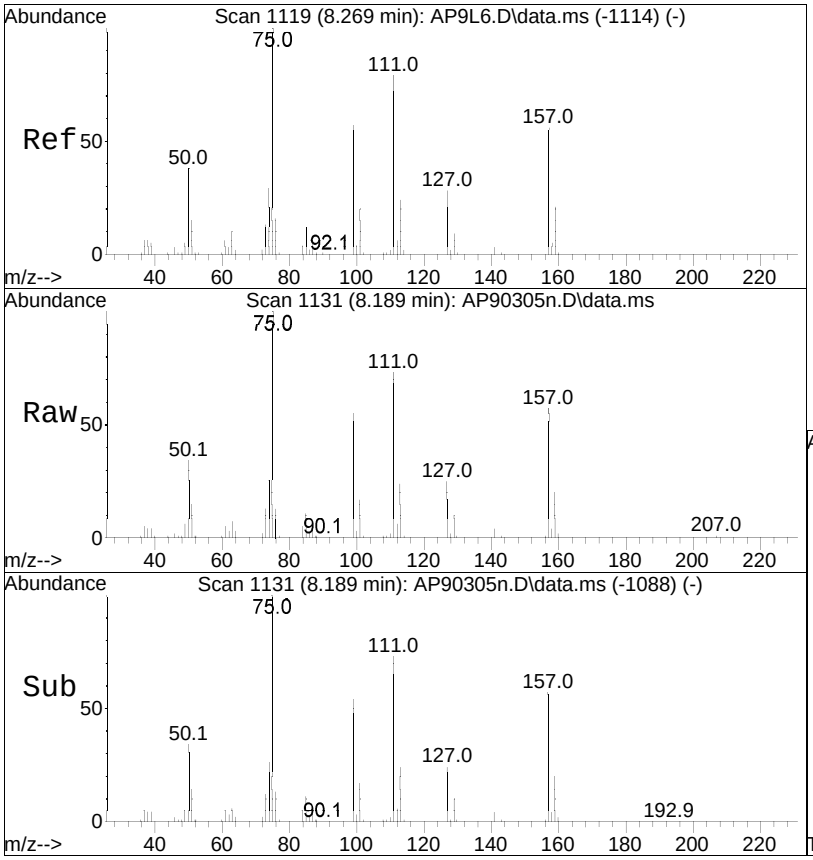


#58
2,6-Dichlorophenol
Concen: 4.75 ug/ml
RT: 7.919 min Scan# 1085
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:162 Resp: 87701

Ion	Ratio	Lower	Upper
162	100		
164	66.6	51.1	76.7
63	62.4	60.8	91.2

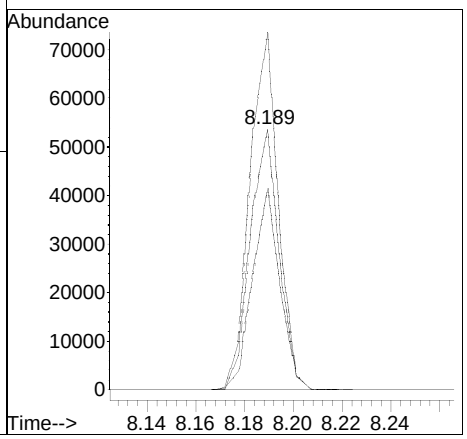


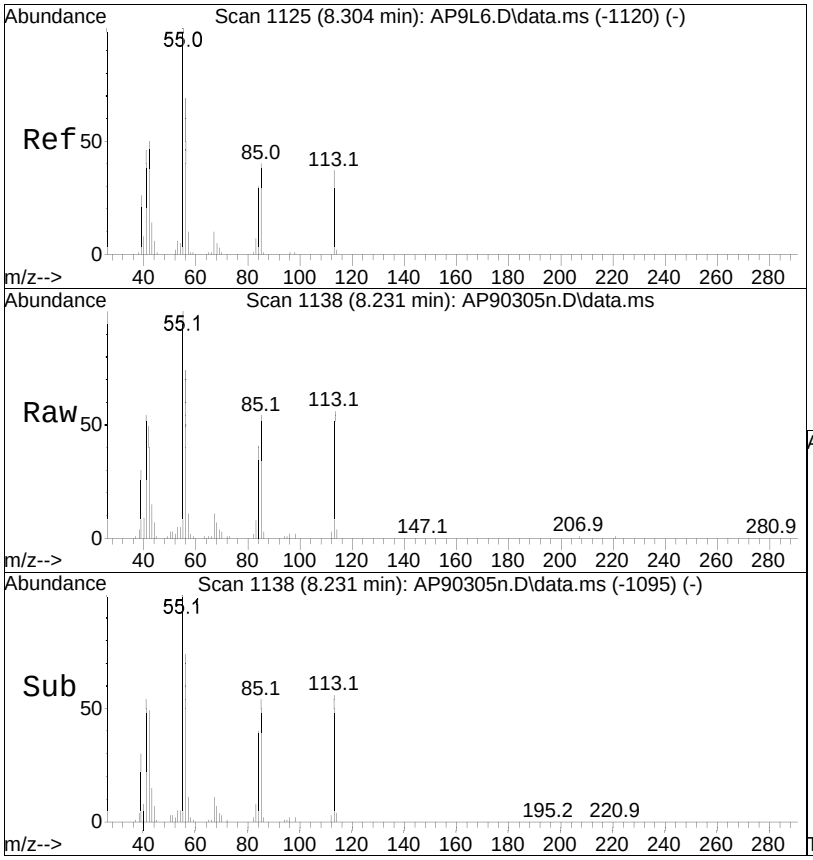


#59
1-chloro-2-nitrobenzene
Concen: 4.87 ug/ml
RT: 8.189 min Scan# 1131
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:111 Resp: 43672

Ion	Ratio	Lower	Upper
111	100		
157	74.1	0.0	0.0#
75	135.2	28.2	42.2#

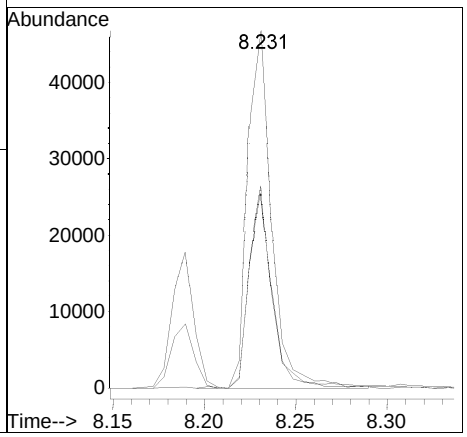


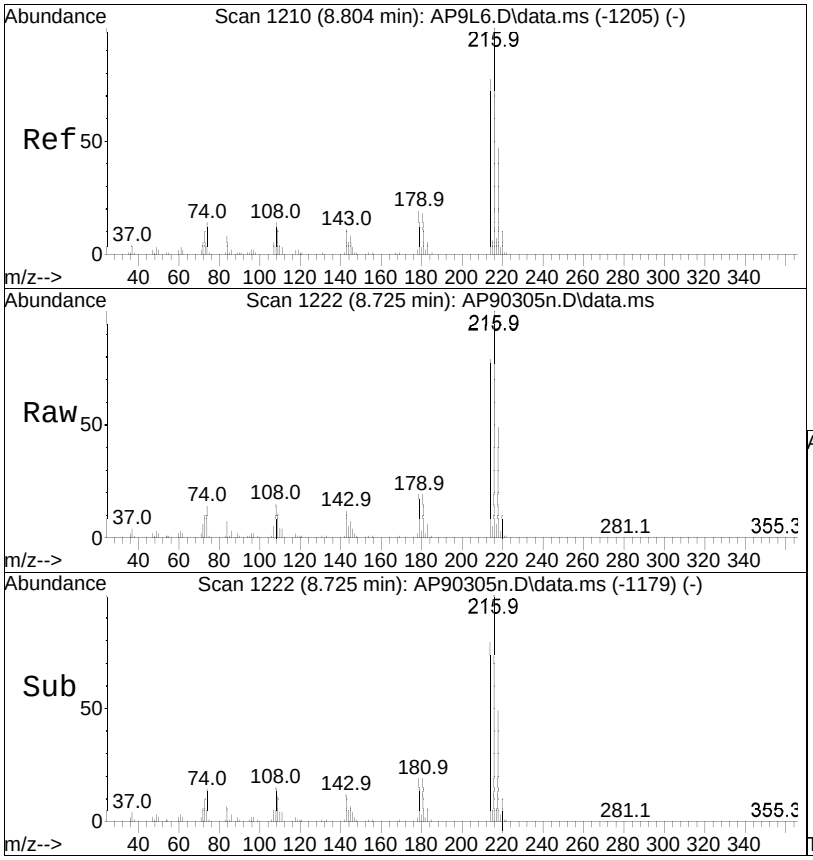


#60
Caprolactam
Concen: 4.74 ug/ml
RT: 8.231 min Scan# 1138
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion: 55 Resp: 42874

Ion	Ratio	Lower	Upper
55	100		
85	52.9	19.8	29.6#
113	52.6	29.6	44.4#

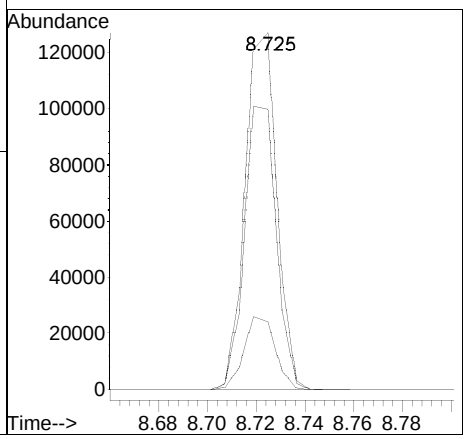


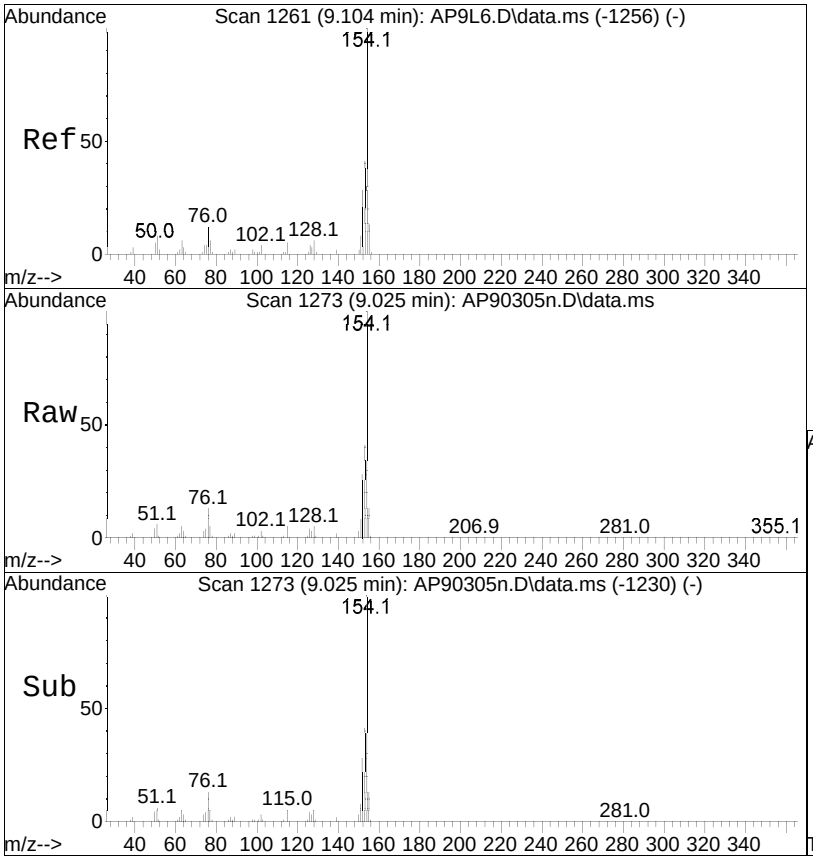


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.67 ug/ml
RT: 8.725 min Scan# 1222
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:216 Resp: 115586

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.7	95.5
179	20.3	19.0	28.6

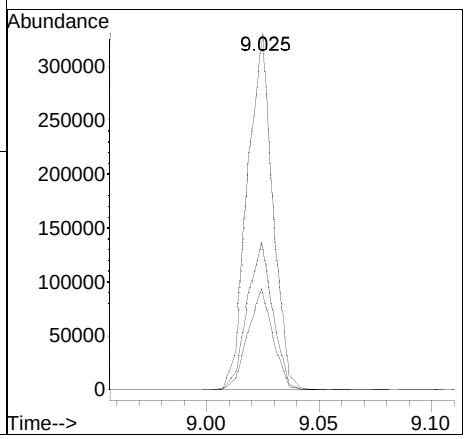


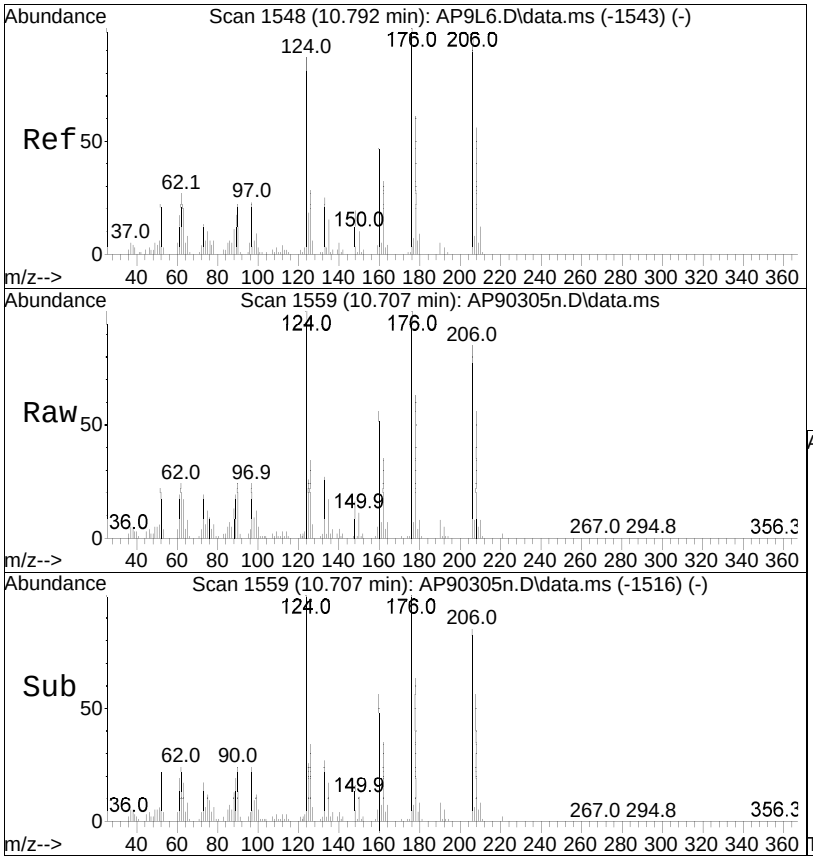


#62
Biphenyl
Concen: 4.62 ug/ml
RT: 9.025 min Scan# 1273
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:154 Resp: 258189

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	28.3	22.5	33.7

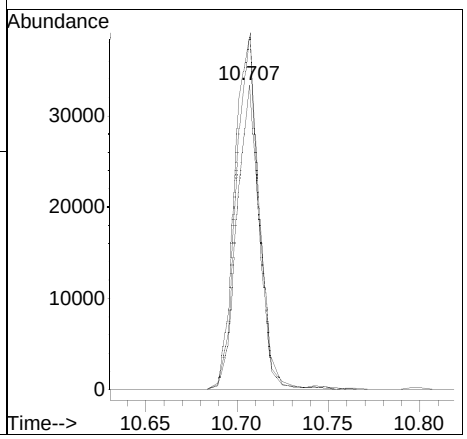


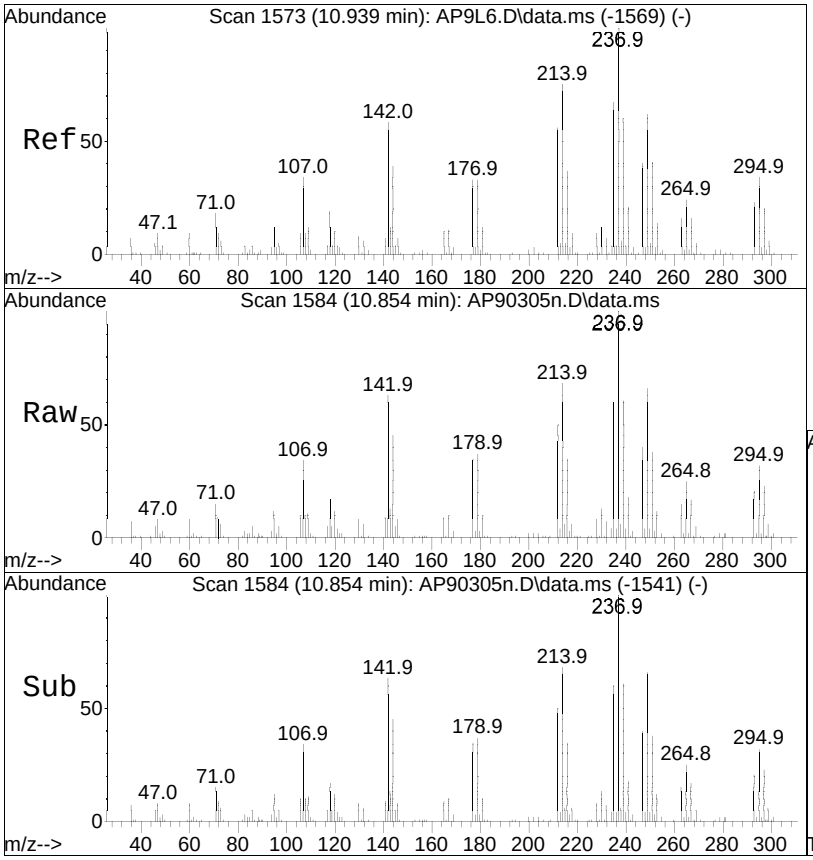


#84
Dichloran
Concen: 4.30 ug/ml
RT: 10.707 min Scan# 1559
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:206 Resp: 28892

Ion	Ratio	Lower	Upper
206	100		
176	115.4	104.6	157.0
124	119.8	130.5	195.7#

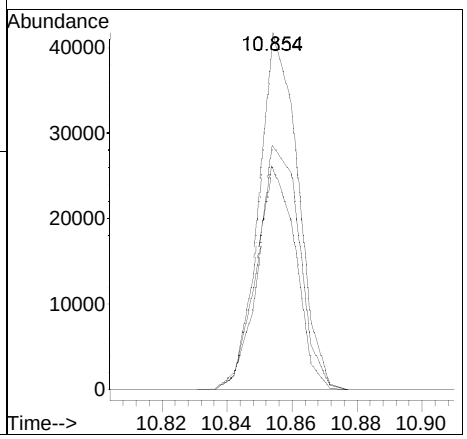


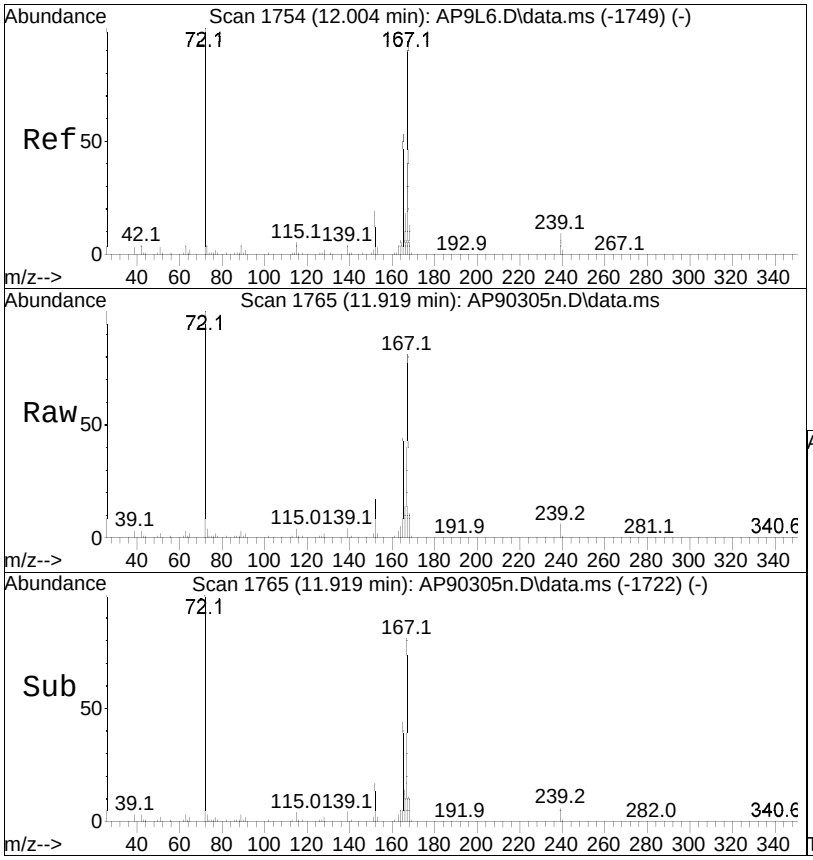


#85
Pentachloronitrobenzene
Concen: 4.86 ug/ml
RT: 10.854 min Scan# 1584
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:237 Resp: 34817

Ion	Ratio	Lower	Upper
237	100		
142	63.4	77.0	115.4#
214	72.3	58.2	87.4

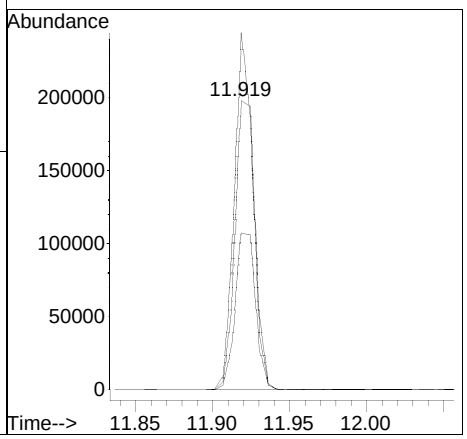




#99
Diphenamid
Concen: 4.83 ug/ml
RT: 11.919 min Scan# 1765
Delta R.T. 0.000 min
Lab File: AP90305n.D
Acq: 6 Mar 2025 1:12 am

Tgt Ion:167 Resp: 181590

Ion	Ratio	Lower	Upper
167	100		
72	111.3	109.7	164.5
165	55.1	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: AP90305n.D	Operator	: SV106:imk
Date Inj'd	: 3/6/2025 1:12 am	Instrument	: SV 106
Sample	: WG2037122-4,32,,AP9 RVT CC	Quant Date	: 3/6/2025 1:56 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250305NRVT\
Data File : ADP0305n.D
Acq On : 6 Mar 2025 1:36 am
Operator : SV106:imk
Sample : WG2037122-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2037122,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 01:59:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:37 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	85	0.00
33	t	1,4-Dioxane		0.485	0.566	-16.7	122	0.00
34	T	n-Decane		1.486	1.458	1.9	98	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	87	0.00
87	T	Atrazine		0.415	0.335	19.3	74	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	85	0.00
101	T	n-Octadecane		0.485	0.438	9.7	77	0.00
102	T	Parathion	*	5.000	4.559	8.8	88	0.00
103	T	3,3'-Dimethylbenzidine		0.821	0.661	19.5	75	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ADP0305n.D
Acq On : 6 Mar 2025 1:36 am
Operator : SV106:imk
Sample : WG2037122-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2037122,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 01:59:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:37 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.372	152	71316	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	9.572	164	154260	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	11.007	188	299241	4.000	ug/ml	# 0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.760	88	50447	5.828	ug/ml#	88
34) n-Decane	6.272	57	129957	4.905	ug/ml#	43
87) Atrazine	10.783	200	64677	4.041	ug/ml	94
101) n-Octadecane	10.995	57	163681	4.507	ug/ml#	1
102) Parathion	11.801	109	40374	4.559	ug/ml	96
103) 3,3'-Dimethylbenzidine	13.083	212	247188	4.026	ug/ml	99

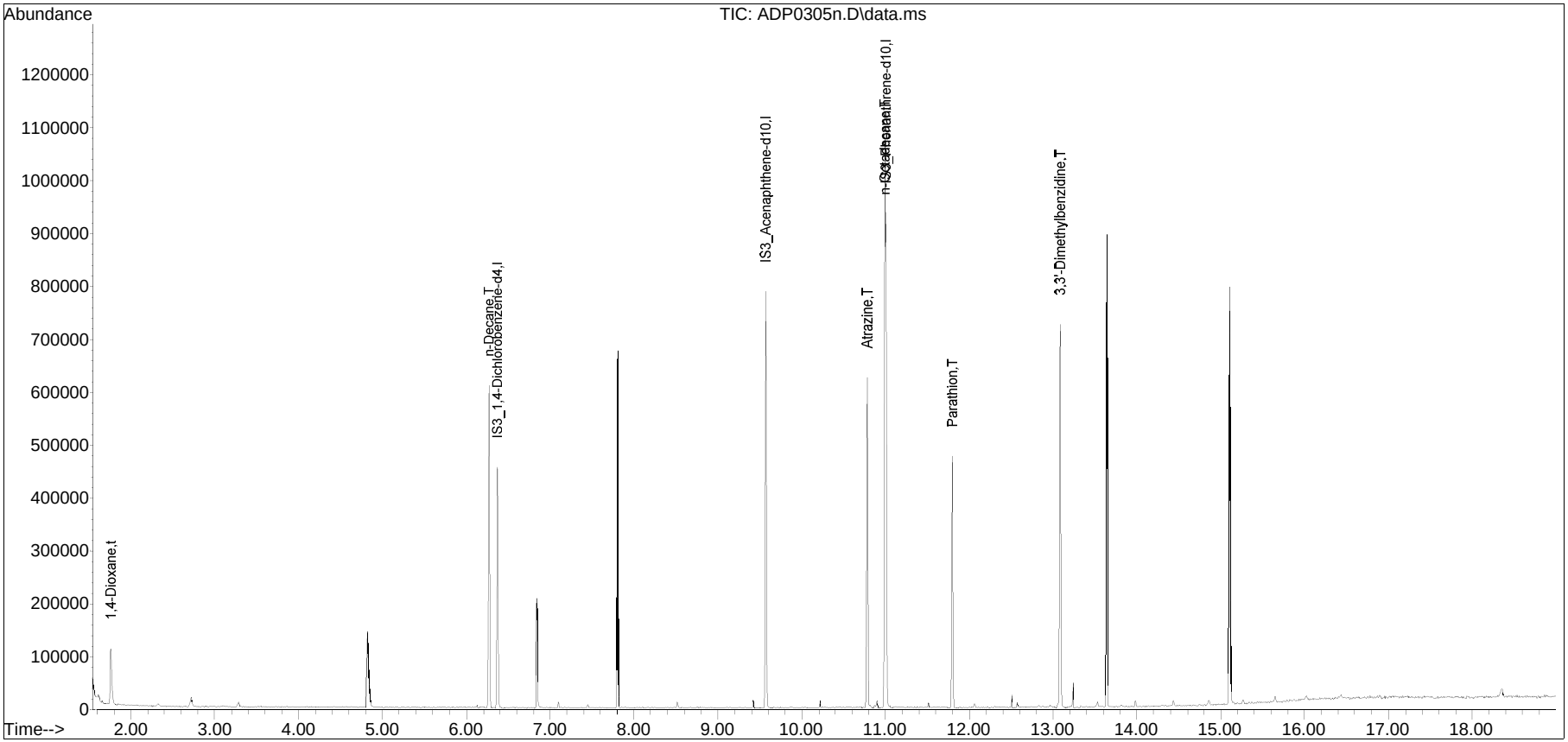
(#) = qualifier out of range (m) = manual integration (+) = signals summed

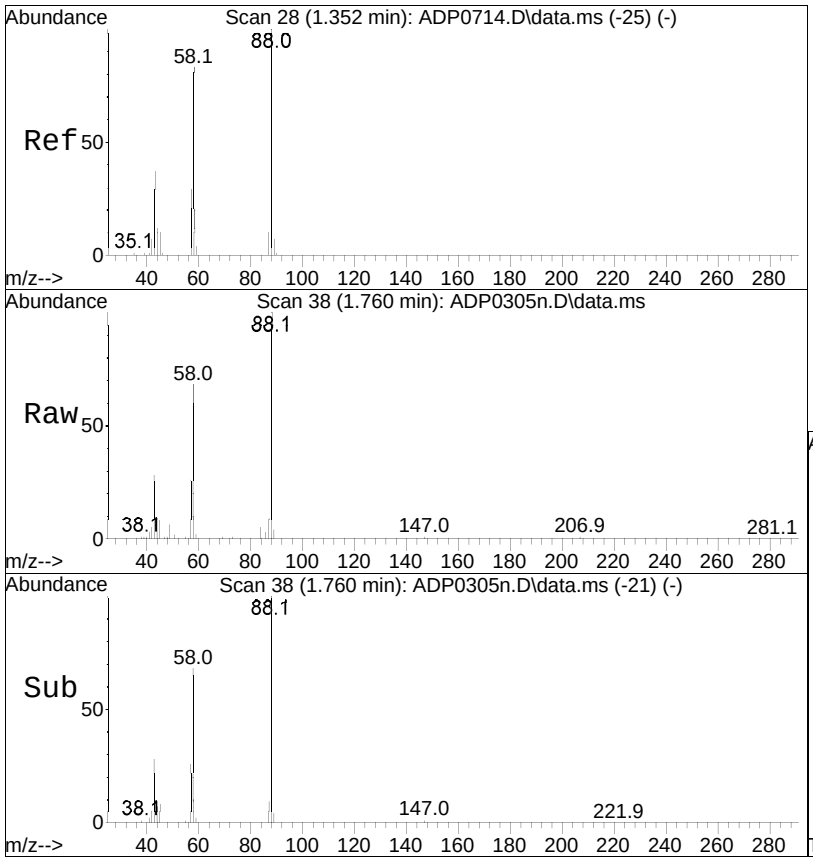
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : ADP0305n.D
Acq On : 6 Mar 2025 1:36 am
Operator : SV106:imk
Sample : WG2037122-5,32,,ADP RVT CCV Lot # 11153
Misc : WG2037122,,ical21604
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 01:59:48 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:37 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

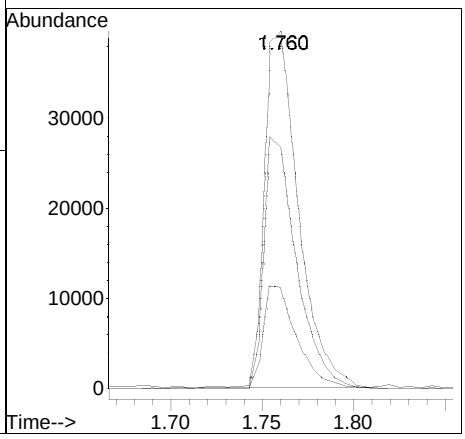


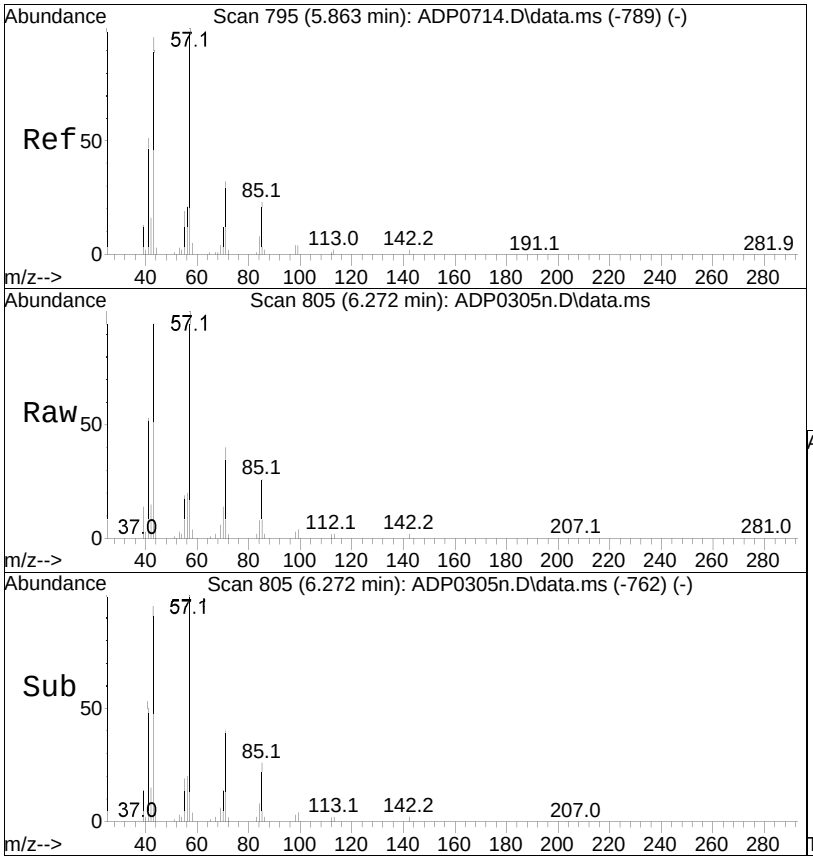


#33
1,4-Dioxane
Concen: 5.83 ug/ml
RT: 1.760 min Scan# 38
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion: 88 Resp: 50447

Ion	Ratio	Lower	Upper
88	100		
58	68.2	44.8	67.2#
43	29.2	22.4	33.6

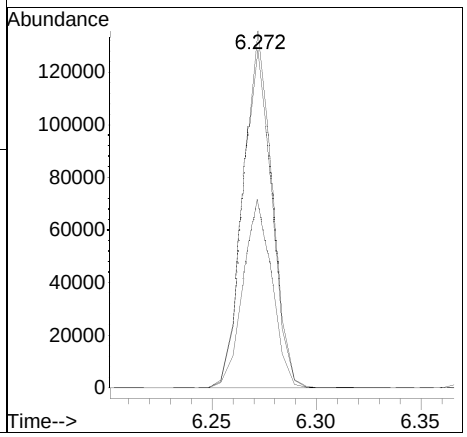


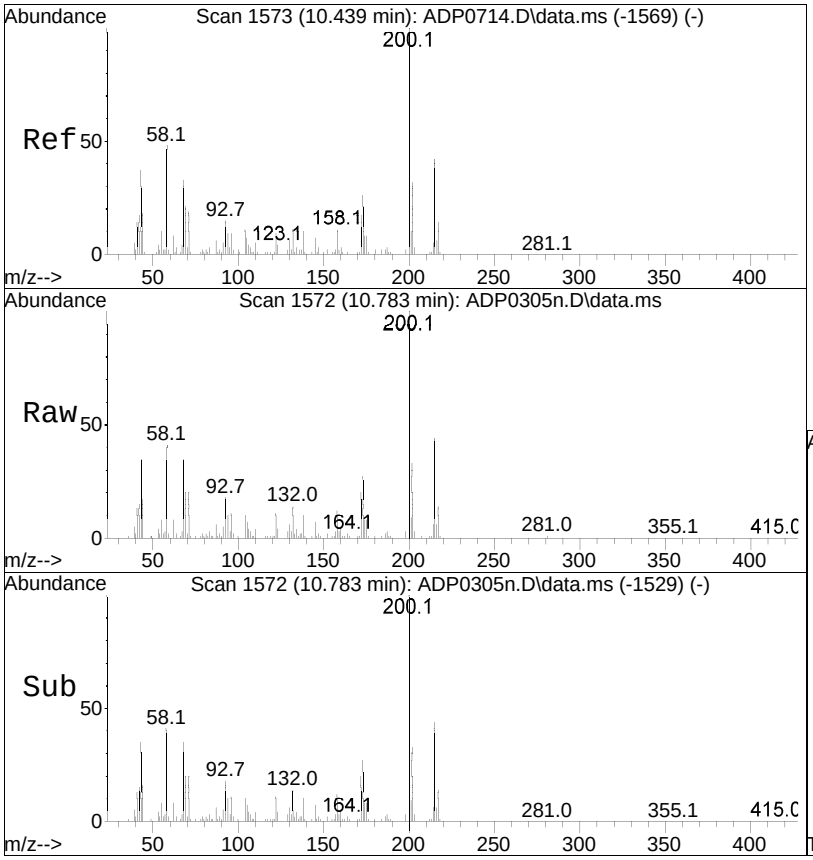


#34
n-Decane
Concen: 4.91 ug/ml
RT: 6.272 min Scan# 805
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion: 57 Resp: 129957

Ion	Ratio	Lower	Upper
57	100		
43	94.9	0.2	0.2#
41	52.6	0.2	0.2#

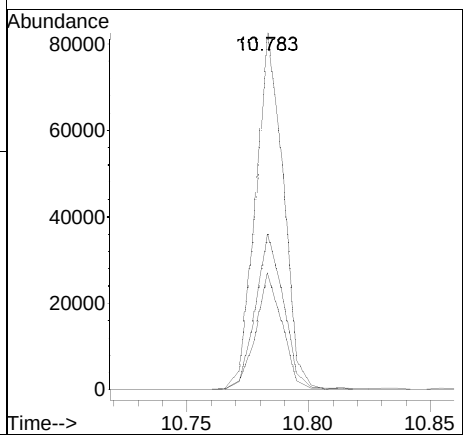


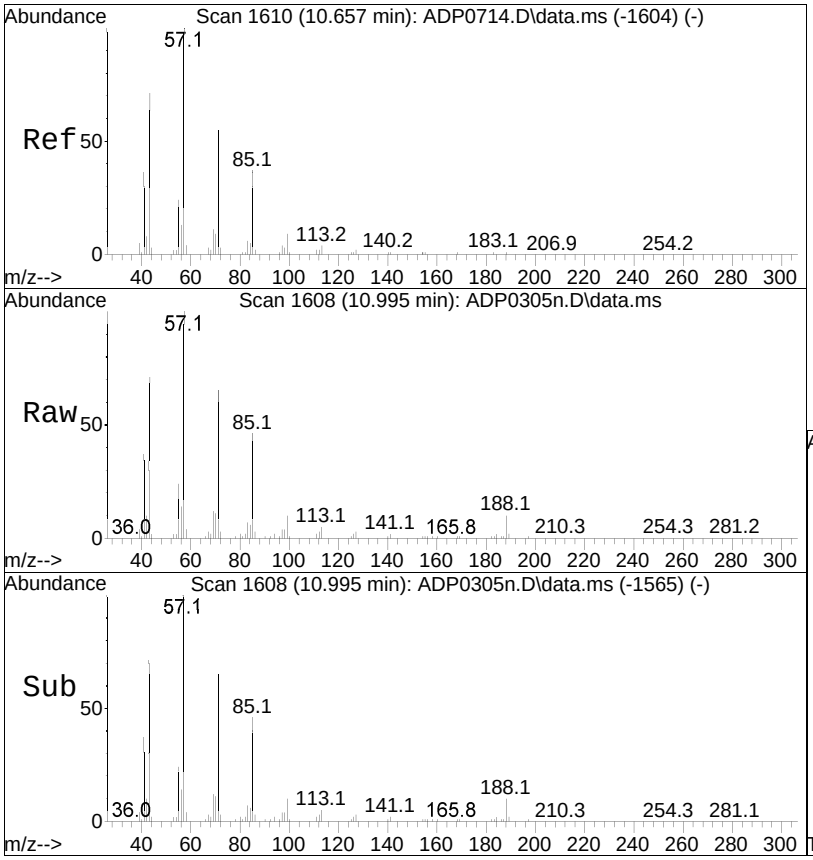


#87
Atrazine
Concen: 4.04 ug/ml
RT: 10.783 min Scan# 1572
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion:200 Resp: 64677

Ion	Ratio	Lower	Upper
200	100		
202	31.7	25.8	38.6
215	44.3	40.2	60.4

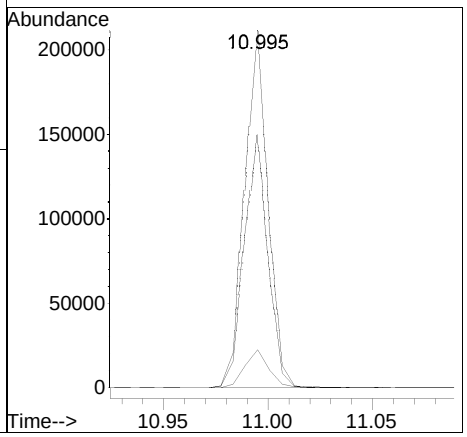


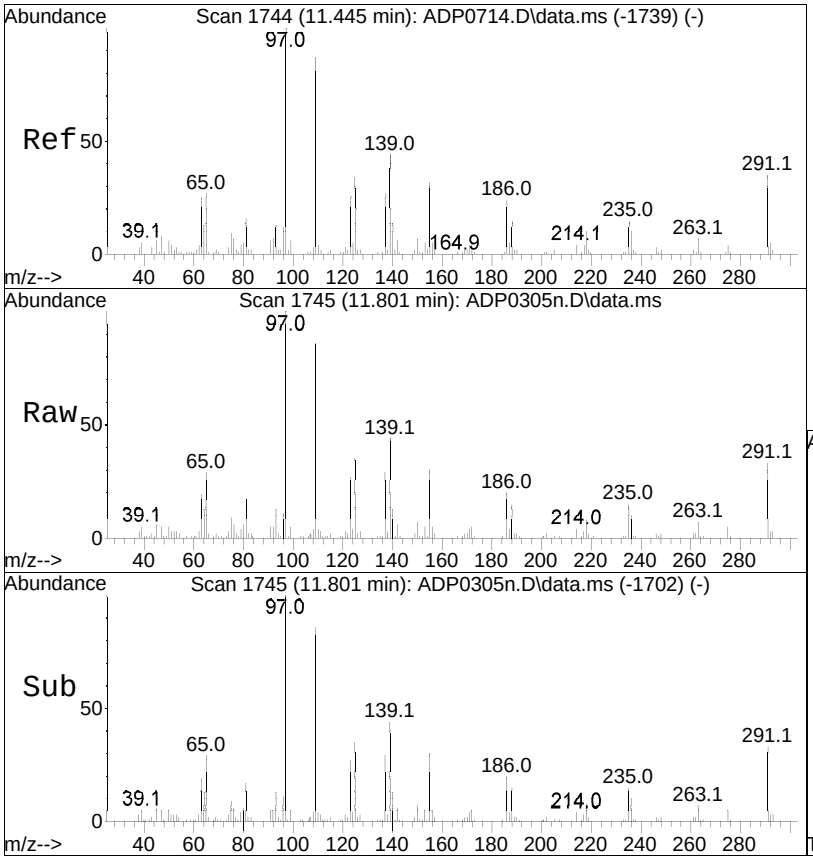


#101
n-Octadecane
Concen: 4.51 ug/ml
RT: 10.995 min Scan# 1608
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion: 57 Resp: 163681

Ion	Ratio	Lower	Upper
57	100		
43	71.8	9.0	13.6#
70	10.9	0.2	0.2#

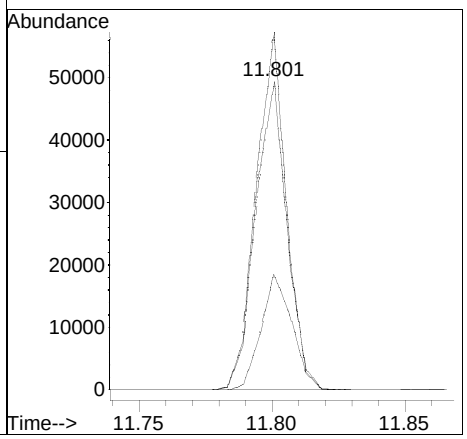


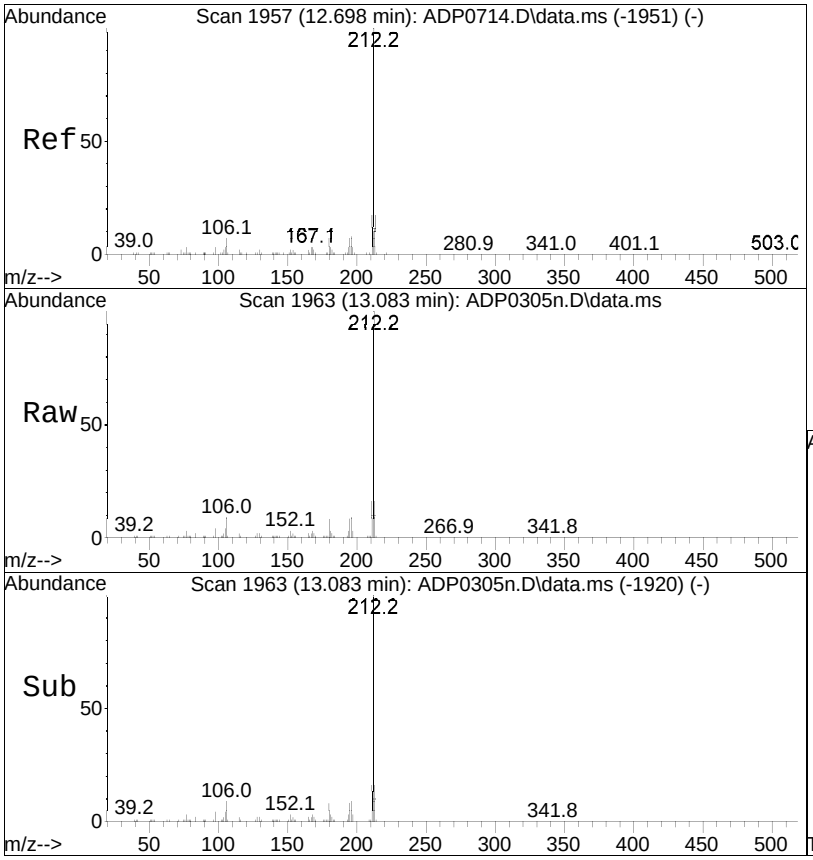


#102
Parathion
Concen: 4.56 ug/ml
RT: 11.801 min Scan# 1745
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion:109 Resp: 40374

Ion	Ratio	Lower	Upper
109	100		
97	110.9	87.4	131.2
291	37.0	34.2	51.2

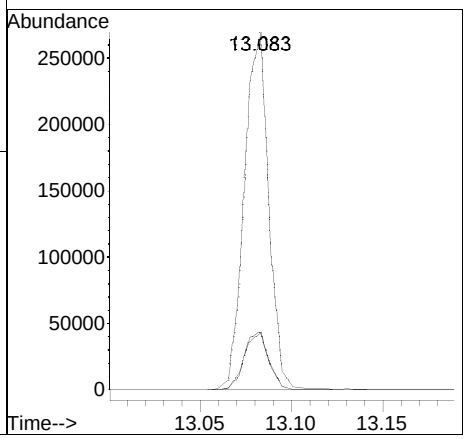




#103
3,3'-Dimethylbenzidine
Concen: 4.03 ug/ml
RT: 13.083 min Scan# 1963
Delta R.T. 0.000 min
Lab File: ADP0305n.D
Acq: 6 Mar 2025 1:36 am

Tgt Ion:212 Resp: 247188

Ion	Ratio	Lower	Upper
212	100		
211	16.5	12.9	19.3
213	16.2	13.2	19.8



Manual Integration Report

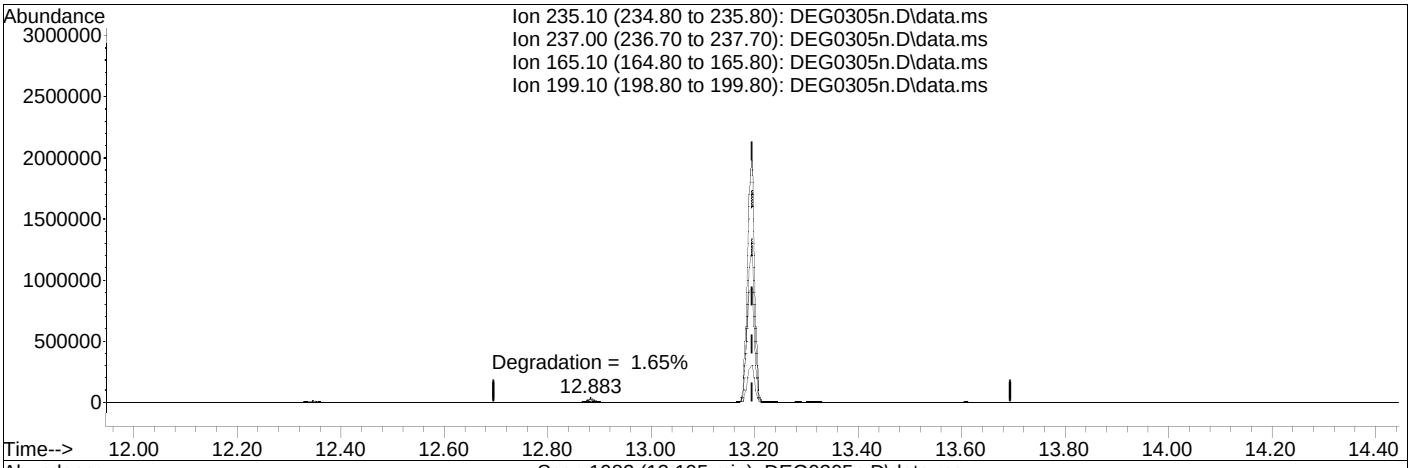
Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: ADP0305n.D	Operator	: SV106:imk
Date Inj'd	: 3/6/2025 1:36 am	Instrument	: SV 106
Sample	: WG2037122-5,32,,ADP RVT CC	Quant Date	: 3/6/2025 2:00 am

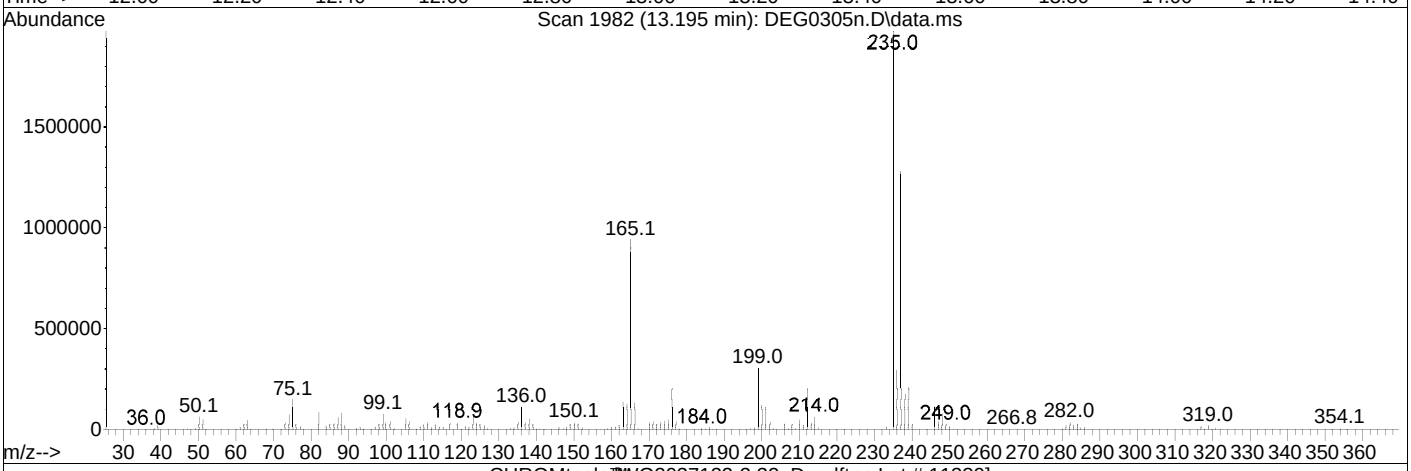
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250305NRVT\
Data File : DEG0305n.D
Acq On : 6 Mar 2025 12:25 am
Operator : SV106:imk
Sample : WG2037122-2,32,,Degdftpp Lot # 11339
Misc : WG2037122,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 00:45:17 2025
Quant Method : I:\8270\SV106\250305NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools [WG2037122-2,32,,Degdftpp Lot # 11339]

(6) DDT (T)

13.195min (0.000) 299.51

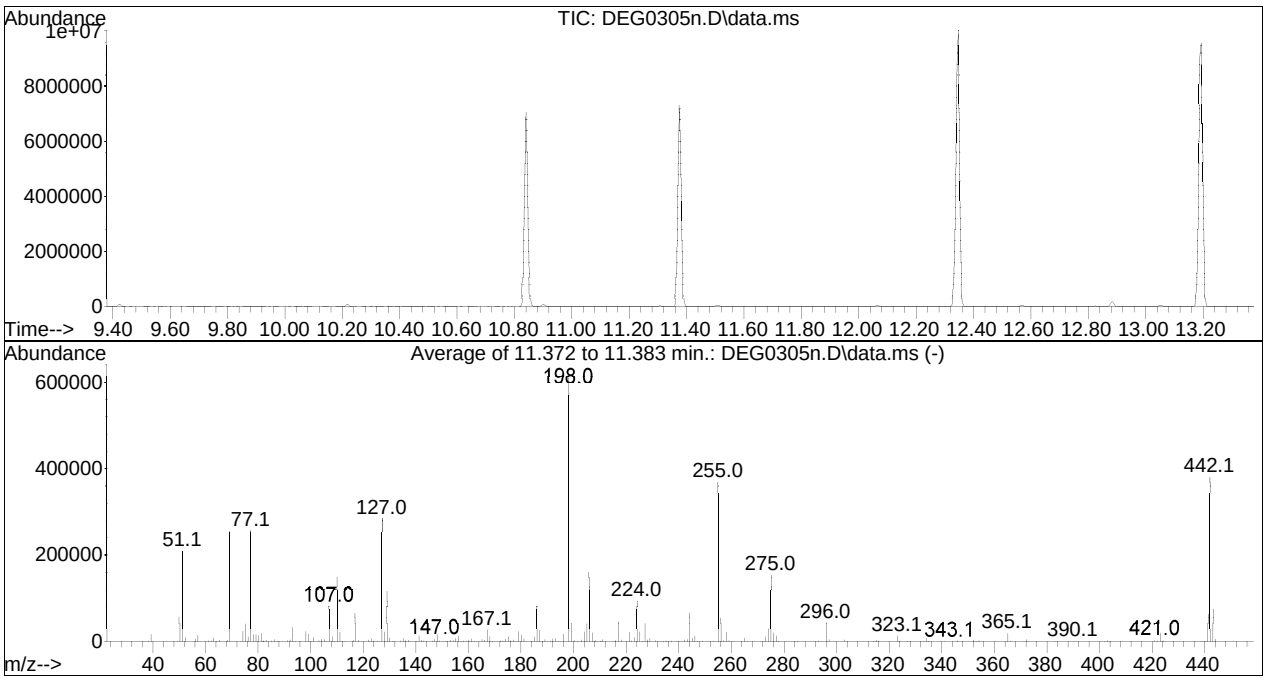
response 1825715

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.63
165.10	44.50	50.38
199.10	14.80	15.47

Data Path : I:\8270\SV106\250305NRVT\
Data File : DEG0305n.D
Acq On : 6 Mar 2025 12:25 am
Operator : SV106: ASK
Sample : WG2037122-1,32,,Degdftpp Lot # 11339
Misc : WG2037122,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Mar 06 02:00:35 2025



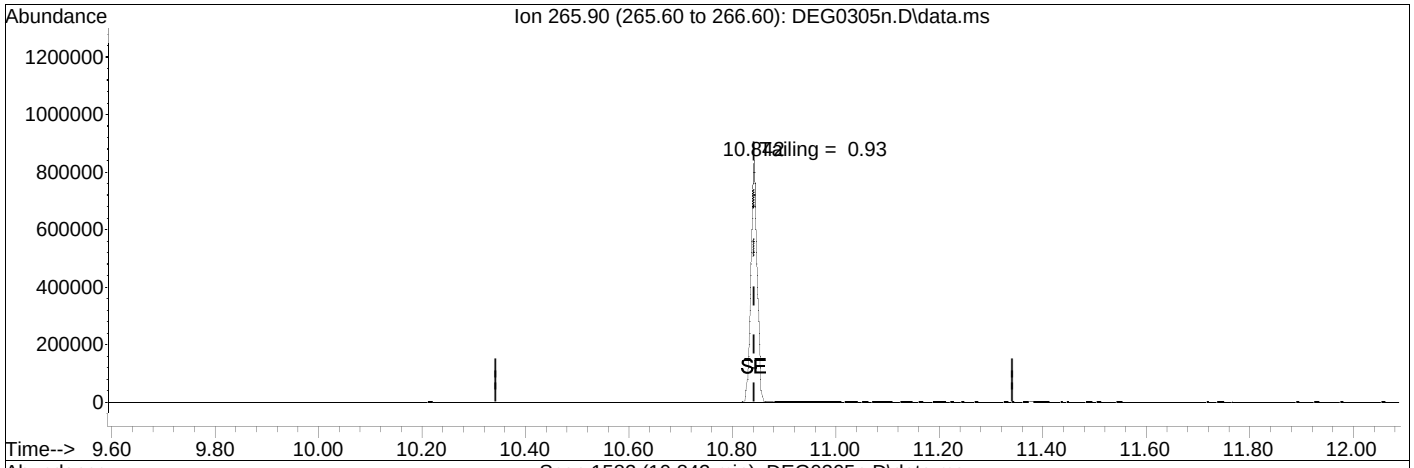
Spectrum Information: Average of 11.372 to 11.383 min.

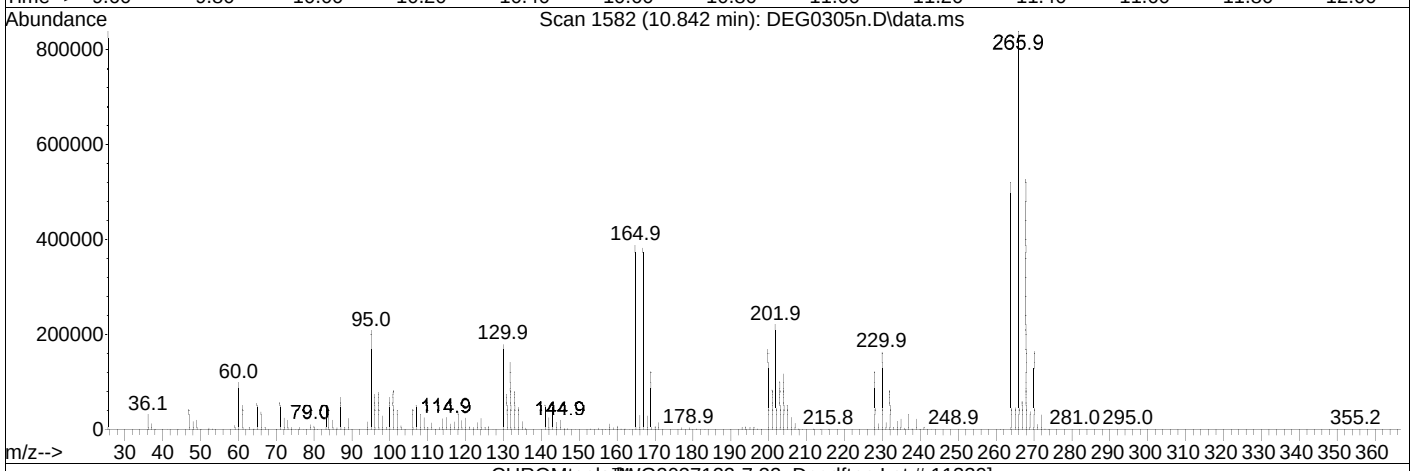
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.2	208949	PASS
68	69	0.00	2	1.7	4431	PASS
69	69	100	100	100.0	253768	PASS
70	69	0.00	2	0.4	972	PASS
127	198	10	80	46.5	283768	PASS
197	198	0.00	2	0.2	1026	PASS
198	198	100	100	100.0	610581	PASS
199	198	5	9	6.8	41411	PASS
275	198	10	60	25.3	154221	PASS
365	198	1	100	3.1	18799	PASS
441	442	0.01	24	16.4	62477	PASS
442	198	50	100	62.2	379840	PASS
443	442	15	24	19.3	73123	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250305NRVT\
Data File : DEG0305n.D
Acq On : 6 Mar 2025 12:25 am
Operator : SV106:imk
Sample : WG2037122-7,32,,Degdftpp Lot # 11339
Misc : WG2037122,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 00:45:17 2025
Quant Method : I:\8270\SV106\250305NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools [WG2037122-7,32,,Degdftpp Lot # 11339]

(1) Pentachlorophenol (T)

10.842min (+ 0.000) 314.41

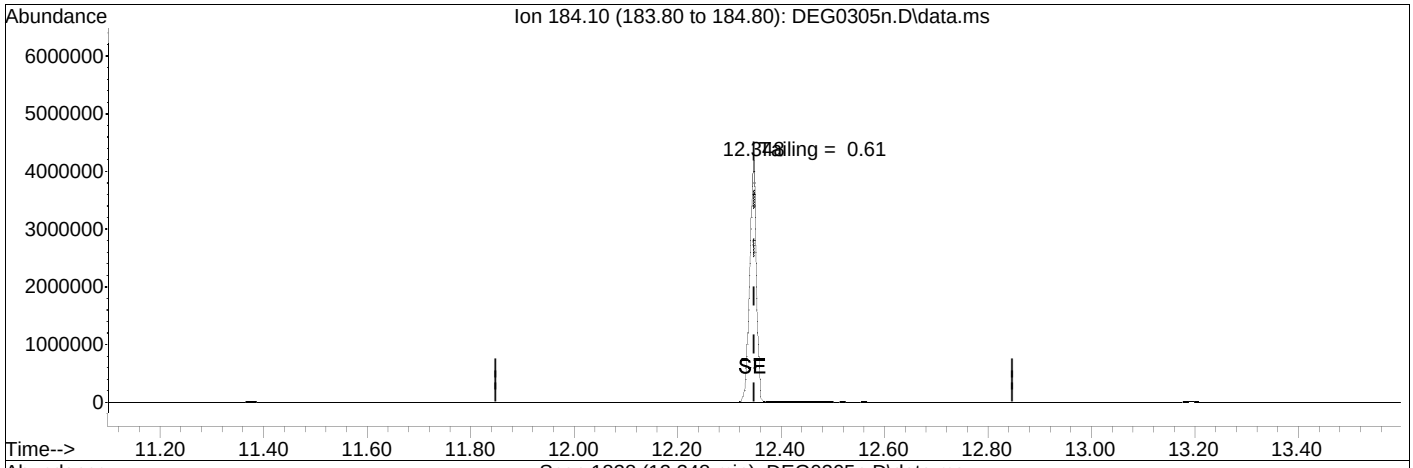
response 660379

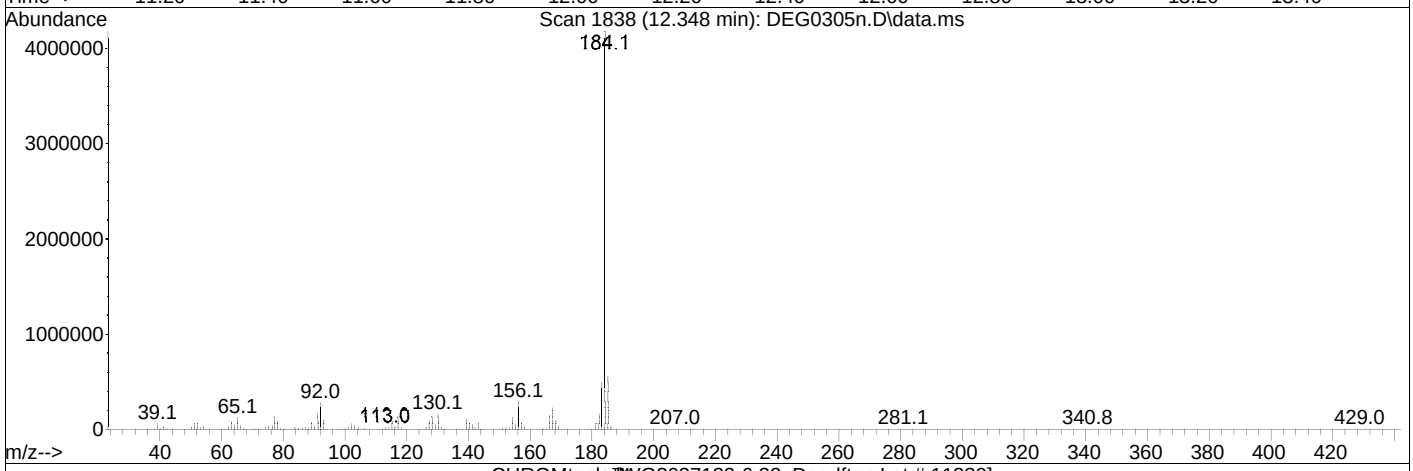
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250305NRVT\
Data File : DEG0305n.D
Acq On : 6 Mar 2025 12:25 am
Operator : SV106:imk
Sample : WG2037122-6,32,,Degdftpp Lot # 11339
Misc : WG2037122,,ical21604
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 00:45:17 2025
Quant Method : I:\8270\SV106\250305NRVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools [WG2037122-6,32,,Degdftpp Lot # 11339]

(3) Benzidine (T)

12.348min (0.000) 348.36

response 3546374

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
n-Nitrosodimethylamine	0.76	0.822	-	-8.2	20	115	0
Pyridine	1.219	1.309	-	-7.4	20	114	0
2-Fluorophenol	1.245	1.168	-	6.2	20	100	0
Aniline	1.771	1.759	-	0.7	20	102	0
2-Chlorophenol	1.365	1.305	-	4.4	20	99	0
Phenol-d6	1.498	1.508	-	-0.7	20	108	0
Phenol	1.555	1.592	-	-2.4	20	107	0
Bis(2-chloroethyl)ether	1.28	1.222	-	4.5	20	100	0
1,3-Dichlorobenzene	1.669	1.521	-	8.9	20	98	0
1,4-Dichlorobenzene	1.7	1.543	-	9.2	20	98	0
1,2-Dichlorobenzene	1.63	1.474	-	9.6	20	97	0
Benzyl alcohol	1.06	1.089	-	-2.7	20	108	0
Bis(2-chloroisopropyl)ethe	2.014	1.679	-	16.6	20	90	0
2-Methylphenol	1.123	1.065	-	5.2	20	98	0
Hexachloroethane	0.614	0.614	-	0	20	108	0
n-Nitrosodi-n-propylamine	0.94	0.941	-	-0.1	20	103	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	97	0
Nitrobenzene-d5	1.359	1.428	-	-5.1	20	110	0
Nitrobenzene	1.389	1.465	-	-5.5	20	112	0
Isophorone	2.416	2.571	-	-6.4	20	109	0
2-Nitrophenol	0.713	0.669	-	6.2	20	94	0
2,4-Dimethylphenol	1.119	0.562	-	49.8*	20	53	0
Bis(2-chloroethoxy)methane	1.614	1.588	-	1.6	20	102	0
2,4-Dichlorophenol	1.25	1.117	-	10.6	20	90	0
1,2,4-Trichlorobenzene	1.449	1.306	-	9.9	20	98	0
IS1_Naphthalene-d8	1	1	-	0	20	100	0
Naphthalene	1.129	1.064	-	5.8	20	98	0
Benzoic Acid	5	5.051	-	-1	20	104	0
4-Chloroaniline	0.127	0.136	-	-7.1	20	106	0
Hexachlorobutadiene	0.239	0.245	-	-2.5	20	103	0
p-Chloro-m-cresol	0.296	0.316	-	-6.8	20	104	0
2-Methylnaphthalene	0.752	0.714	-	5.1	20	96	0
1-Methylnaphthalene	0.243	0.255	-	-4.9	20	108	0
Hexachlorocyclopentadiene	0.262	0.223	-	14.9	20	86	0
2,4,6-Trichlorophenol	0.275	0.243	-	11.6	20	86	0
2,4,5-Trichlorophenol	0.285	0.261	-	8.4	20	91	0
2-Fluorobiphenyl	0.926	0.829	-	10.5	20	91	0
2-Chloronaphthalene	0.785	0.704	-	10.3	20	92	0
2-Nitroaniline	0.223	0.213	-	4.5	20	91	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	90	0
1,3-Dinitrobenzene	0.125	0.127	-	-1.6	20	93	0
Dimethyl phthalate	0.915	0.869	-	5	20	92	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.079	-	7.8	20	92	0
2,6-Dinitrotoluene	0.186	0.189	-	-1.6	20	93	0
1,2-Dinitrobenzene	0.081	0.082	-	-1.2	20	96	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.323	0.299	-	7.4	20	91	0
Acenaphthene	1.157	1.027	-	11.2	20	95	0
2,4-Dinitrophenol	5	4.203	-	15.9	20	79	0
Dibenzofuran	1.872	1.663	-	11.2	20	96	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	98	0
4-Nitrophenol	0.239	0.251	-	-5	20	100	0
2,3,5,6-Tetrachlorophenol	0.39	0.368	-	5.6	20	92	0
2,3,4,6-Tetrachlorophenol	0.385	0.367	-	4.7	20	94	0
Diethyl phthalate	1.518	1.388	-	8.6	20	96	0
Fluorene	1.462	1.342	-	8.2	20	96	0
4-Chlorophenyl phenyl ethe	0.75	0.67	-	10.7	20	95	0
4-Nitroaniline	0.329	0.302	-	8.2	20	93	0
4,6-Dinitro-o-cresol	5	4.633	-	7.3	20	101	0
NDPA/DPA	1.261	1.146	-	9.1	20	93	0
Azobenzene	1.232	1.334	-	-8.3	20	110	0
2,4,6-Tribromophenol	0.226	0.2	-	11.5	20	89	0
4-Bromophenyl phenyl ether	0.465	0.404	-	13.1	20	91	0
Hexachlorobenzene	0.526	0.434	-	17.5	20	89	0
Pentachlorophenol	0.319	0.3	-	6	20	94	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.174	1.069	-	8.9	20	96	0
Anthracene	1.17	1.056	-	9.7	20	96	0
Carbazole	1.054	0.993	-	5.8	20	96	0
Di-n-butylphthalate	1.319	1.221	-	7.4	20	91	0
Fluoranthene	1.353	1.276	-	5.7	20	96	0
Benzidine	0.776	0.466	-	39.9*	20	56	0
Pyrene	1.428	1.326	-	7.1	20	95	0
4-Terphenyl-d14	1.073	0.953	-	11.2	20	91	0
Butyl benzyl phthalate	0.555	0.546	-	1.6	20	92	0
IS1_Chrysene-d12	1	1	-	0	20	94	0
Benzo(a)anthracene	1.379	1.286	-	6.7	20	92	0
3,3'-Dichlorobenzidine	0.453	0.421	-	7.1	20	84	0
Chrysene	1.324	1.217	-	8.1	20	90	0
Bis(2-ethylhexyl)phthalate	0.828	0.843	-	-1.8	20	88	0
Di-n-octylphthalate	1.373	1.387	-	-1	20	86	0
Benzo(b)fluoranthene	1.331	1.274	-	4.3	20	93	0
Benzo(k)fluoranthene	1.24	1.171	-	5.6	20	87	0
Benzo(a)pyrene	1.155	1.09	-	5.6	20	88	0
IS1_Perylene-d12	1	1	-	0	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.065	-	12.2	20	79	0
Dibenzo(a,h)anthracene	1.153	1.034	-	10.3	20	80	0
Benzo(ghi)perylene	1.08	0.977	-	9.5	20	81	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:12		
Lab File ID	: AP90305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-4	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Benzaldehyde	0.948	0.879	-	7.3	20	90	0
Acetophenone	1.829	1.755	-	4	20	97	0
m-Toluidine	1.612	1.518	-	5.8	20	94	0
2-Chloroaniline	1.609	1.498	-	6.9	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	94	0
a-Terpineol	0.282	0.282	-	0	20	95	0
3-Chloroaniline	0.132	0.151	-	-14.4	20	102	0
2,6-Dichlorophenol	0.3	0.285	-	5	20	87	0
1-chloro-2-nitrobenzene	0.145	0.142	-	2.1	20	92	0
Caprolactam	0.147	0.139	-	5.4	20	87	0
1,2,4,5-Tetrachlorobenzene	0.402	0.375	-	6.7	20	89	0
Biphenyl	0.907	0.838	-	7.6	20	86	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.181	0.156	-	13.8	20	84	0
Pentachloronitrobenzene	0.193	0.188	-	2.6	20	91	0
IS2_Phenanthrene-d10	1	1	-	0	20	92	0
Diphenamid	0.505	0.488	-	3.4	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:36		
Lab File ID	: ADP0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-5	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
1,4-Dioxane	0.485	0.566	-	-16.7	20	122	0
n-Decane	1.486	1.458	-	1.9	20	98	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.415	0.335	-	19.3	20	74	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.485	0.438	-	9.7	20	77	0
Parathion	5	4.559	-	8.8	20	88	0
3,3'-Dimethylbenzidine	0.821	0.661	-	19.5	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.675	0.654	-	3.1	20	99	0
Pyridine	1.237	0.842	-	31.9*	20	76	0
2-Fluorophenol	1.016	1.013	-	0.3	20	106	0
Aniline	1.57	1.635	-	-4.1	20	106	0
2-Chlorophenol	1.138	1.167	-	-2.5	20	109	0
Phenol-d6	1.238	1.223	-	1.2	20	104	0
Phenol	1.39	1.381	-	0.6	20	106	0
Bis(2-chloroethyl)ether	1.108	1.078	-	2.7	20	107	0
1,3-Dichlorobenzene	1.505	1.454	-	3.4	20	107	0
1,4-Dichlorobenzene	1.552	1.457	-	6.1	20	106	0
1,2-Dichlorobenzene	1.469	1.425	-	3	20	108	0
Benzyl alcohol	0.85	0.869	-	-2.2	20	106	0
Bis(2-chloroisopropyl)ethe	1.811	1.813	-	-0.1	20	110	0
2-Methylphenol	1.021	1.02	-	0.1	20	105	0
Hexachloroethane	0.519	0.524	-	-1	20	110	0
n-Nitrosodi-n-propylamine	0.804	0.772	-	4	20	99	0
3-Methylphenol/4-Methylphe	1.078	1.097	-	-1.8	20	107	0
Nitrobenzene-d5	1.126	1.129	-	-0.3	20	104	0
Nitrobenzene	1.14	1.167	-	-2.4	20	105	0
Isophorone	2.19	2.085	-	4.8	20	99	0
2-Nitrophenol	0.54	0.561	-	-3.9	20	113	0
2,4-Dimethylphenol	1.161	1.188	-	-2.3	20	105	0
Bis(2-chloroethoxy)methane	1.589	1.724	-	-8.5	20	109	0
2,4-Dichlorophenol	1.18	1.196	-	-1.4	20	104	0
1,2,4-Trichlorobenzene	1.517	1.443	-	4.9	20	107	0
IS1_Naphthalene-d8	1	1	-	0	20	107	0
Naphthalene	1.028	0.965	-	6.1	20	106	0
Benzoic Acid	5	4.484	-	10.3	20	104	0
4-Chloroaniline	0.13	0.122	-	6.2	20	103	0
Hexachlorobutadiene	0.247	0.232	-	6.1	20	107	0
p-Chloro-m-cresol	0.273	0.268	-	1.8	20	101	0
2-Methylnaphthalene	0.657	0.622	-	5.3	20	105	0
1-Methylnaphthalene	0.236	0.217	-	8.1	20	101	0
Hexachlorocyclopentadiene	0.278	0.271	-	2.5	20	103	0
2,4,6-Trichlorophenol	0.264	0.274	-	-3.8	20	106	0
2,4,5-Trichlorophenol	0.275	0.276	-	-0.4	20	104	0
2-Fluorobiphenyl	0.982	0.917	-	6.6	20	103	0
2-Chloronaphthalene	0.795	0.729	-	8.3	20	103	0
2-Nitroaniline	0.194	0.184	-	5.2	20	100	0
1,4-Dinitrobenzene	5	3.984	-	20.3*	20	101	0
1,3-Dinitrobenzene	0.128	0.116	-	9.4	20	95	0
Dimethyl phthalate	0.963	0.923	-	4.2	20	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.211	1.165	-	3.8	20	101	0
2,6-Dinitrotoluene	0.18	0.174	-	3.3	20	97	0
1,2-Dinitrobenzene	0.077	0.079	-	-2.6	20	99	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.26	0.275	-	-5.8	20	96	0
Acenaphthene	1.082	1.036	-	4.3	20	106	0
2,4-Dinitrophenol	5	4.041	-	19.2	20	88	0
Dibenzofuran	1.846	1.765	-	4.4	20	101	0
2,4-Dinitrotoluene	0.377	0.387	-	-2.7	20	98	0
4-Nitrophenol	0.2	0.232	-	-16	20	112	0
2,3,5,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	99	0
2,3,4,6-Tetrachlorophenol	0.355	0.411	-	-15.8	20	103	0
Diethyl phthalate	1.332	1.311	-	1.6	20	97	0
Fluorene	1.43	1.407	-	1.6	20	102	0
4-Chlorophenyl phenyl ethe	0.733	0.707	-	3.5	20	104	0
4-Nitroaniline	0.246	0.265	-	-7.7	20	97	0
4,6-Dinitro-o-cresol	5	4.285	-	14.3	20	100	0
NDPA/DPA	1.2	1.185	-	1.2	20	100	0
Azobenzene	1.133	1.161	-	-2.5	20	99	0
2,4,6-Tribromophenol	0.201	0.207	-	-3	20	97	0
4-Bromophenyl phenyl ether	0.439	0.421	-	4.1	20	100	0
Hexachlorobenzene	0.513	0.486	-	5.3	20	103	0
Pentachlorophenol	0.28	0.273	-	2.5	20	98	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.129	1.069	-	5.3	20	101	0
Anthracene	1.081	1.064	-	1.6	20	99	0
Carbazole	0.973	0.984	-	-1.1	20	99	0
Di-n-butylphthalate	0.996	1.073	-	-7.7	20	98	0
Fluoranthene	1.236	1.278	-	-3.4	20	101	0
Benzidine	5	4.854	-	2.9	20	103	0
Pyrene	1.297	1.368	-	-5.5	20	101	0
4-Terphenyl-d14	0.965	0.954	-	1.1	20	98	0
Butyl benzyl phthalate	5	4.546	-	9.1	20	106	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.249	1.286	-	-3	20	103	0
3,3'-Dichlorobenzidine	0.403	0.445	-	-10.4	20	97	0
Chrysene	1.233	1.175	-	4.7	20	104	0
Bis(2-ethylhexyl)phthalate	5	4.869	-	2.6	20	101	0
Di-n-octylphthalate	5	4.671	-	6.6	20	102	0
Benzo(b)fluoranthene	1.211	1.198	-	1.1	20	93	0
Benzo(k)fluoranthene	1.049	1.138	-	-8.5	20	115	0
Benzo(a)pyrene	1.009	1.055	-	-4.6	20	102	0
IS1_Perylene-d12	1	1	-	0	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.005	1.115	-	-10.9	20	106	0
Dibenzo(a,h)anthracene	1	1.106	-	-10.6	20	110	0
Benzo(ghi)perylene	1.011	1.141	-	-12.9	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:54		
Lab File ID	: AP90306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-4	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Benzaldehyde	0.859	0.73	-	15	20	100	0
Acetophenone	1.472	1.461	-	0.7	20	114	0
m-Toluidine	1.5	1.3	-	13.3	20	105	0
2-Chloroaniline	1.381	1.369	-	0.9	20	117	0
IS2_Naphthalene-d8	1	1	-	0	20	117	0
a-Terpineol	0.229	0.257	-	-12.2	20	135	0
3-Chloroaniline	0.135	0.13	-	3.7	20	110	0
2,6-Dichlorophenol	0.288	0.303	-	-5.2	20	121	0
1-chloro-2-nitrobenzene	0.114	0.121	-	-6.1	20	123	0
Caprolactam	5	4.219	-	15.6	20	119	0
1,2,4,5-Tetrachlorobenzene	0.428	0.407	-	4.9	20	114	0
Biphenyl	0.969	0.894	-	7.7	20	112	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	5	4.085	-	18.3	20	119	0
Pentachloronitrobenzene	5	4.47	-	10.6	20	114	0
IS2_Phenanthrene-d10	1	1	-	0	20	107	0
Diphenamid	5	4.161	-	16.8	20	108	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 11:20		
Lab File ID	: ADP0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-5	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
1,4-Dioxane	0.528	0.417	-	21*	20	108	0
n-Decane	1.421	1.262	-	11.2	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	130	0
Atrazine	5	4.683	-	6.3	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.368	0.392	-	-6.5	20	126	0
Parathion	5	5.43	-	-8.6	20	135	0
3,3'-Dimethylbenzidine	5	4.992	-	0.2	20	122	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
n-Nitrosodimethylamine	0.63	0.511	-	18.9	20	78	0
Pyridine	0.954	0.681	-	28.6*	20	64	0
2-Fluorophenol	1.028	0.876	-	14.8	20	83	0
Aniline	1.567	1.451	-	7.4	20	90	0
2-Chlorophenol	1.225	1.131	-	7.7	20	89	0
Phenol-d6	1.317	1.13	-	14.2	20	84	0
Phenol	1.421	1.272	-	10.5	20	87	0
Bis(2-chloroethyl)ether	1.017	0.867	-	14.7	20	84	0
1,3-Dichlorobenzene	1.577	1.386	-	12.1	20	87	0
1,4-Dichlorobenzene	1.61	1.433	-	11	20	89	0
1,2-Dichlorobenzene	1.534	1.403	-	8.5	20	91	0
Benzyl alcohol	0.93	0.895	-	3.8	20	93	0
Bis(2-chloroisopropyl)ethe	1.794	1.479	-	17.6	20	82	0
2-Methylphenol	1.079	0.993	-	8	20	93	0
Hexachloroethane	0.589	0.509	-	13.6	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.792	-	8.2	20	92	0
3-Methylphenol/4-Methylphe	1.182	1.048	-	11.3	20	90	0
Nitrobenzene-d5	1.195	1.168	-	2.3	20	94	0
Nitrobenzene	1.222	1.187	-	2.9	20	94	0
Isophorone	2.247	2.108	-	6.2	20	92	0
2-Nitrophenol	0.619	0.644	-	-4	20	102	0
2,4-Dimethylphenol	1.101	1.187	-	-7.8	20	106	0
Bis(2-chloroethoxy)methane	1.4	1.243	-	11.2	20	87	0
2,4-Dichlorophenol	1.285	1.218	-	5.2	20	93	0
1,2,4-Trichlorobenzene	1.555	1.437	-	7.6	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	0.964	-	12.4	20	90	0
Benzoic Acid	0.228	0.154	-	32.5*	20	71	0
4-Chloroaniline	0.121	0.113	-	6.6	20	91	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	94	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.651	-	14.5	20	89	0
1-Methylnaphthalene	0.242	0.233	-	3.7	20	96	0
Hexachlorocyclopentadiene	0.272	0.327	-	-20.2*	20	116	0
2,4,6-Trichlorophenol	0.287	0.292	-	-1.7	20	100	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	100	0
2-Fluorobiphenyl	0.99	0.948	-	4.2	20	99	0
2-Chloronaphthalene	0.852	0.8	-	6.1	20	95	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	102	0
1,4-Dinitrobenzene	0.095	0.115	-	-21.1*	20	116	0
1,3-Dinitrobenzene	0.113	0.134	-	-18.6	20	111	0
Dimethyl phthalate	0.991	1.04	-	-4.9	20	107	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.328	-	-6.1	20	107	0
2,6-Dinitrotoluene	0.185	0.205	-	-10.8	20	105	0
1,2-Dinitrobenzene	0.066	0.083	-	-25.8*	20	113	0
IS1_Acenaphthene-d10	1	1	-	0	20	107	0
3-Nitroaniline	0.309	0.308	-	0.3	20	106	0
Acenaphthene	1.163	0.984	-	15.4	20	99	0
2,4-Dinitrophenol	5	4.006	-	19.9	20	92	0
Dibenzofuran	2.006	1.754	-	12.6	20	103	0
2,4-Dinitrotoluene	0.387	0.431	-	-11.4	20	115	0
4-Nitrophenol	0.23	0.254	-	-10.4	20	116	0
2,3,5,6-Tetrachlorophenol	0.436	0.38	-	12.8	20	95	0
2,3,4,6-Tetrachlorophenol	0.428	0.381	-	11	20	99	0
Diethyl phthalate	1.575	1.446	-	8.2	20	108	0
Fluorene	1.536	1.387	-	9.7	20	104	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	107	0
4-Nitroaniline	0.299	0.308	-	-3	20	105	0
4,6-Dinitro-o-cresol	0.234	0.261	-	-11.5	20	115	0
NDPA/DPA	1.337	1.203	-	10	20	105	0
Azobenzene	1.281	1.142	-	10.9	20	100	0
2,4,6-Tribromophenol	0.286	0.272	-	4.9	20	106	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	107	0
Hexachlorobenzene	0.656	0.602	-	8.2	20	110	0
Pentachlorophenol	0.356	0.277	-	22.2*	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	113	0
Phenanthrene	1.183	1.032	-	12.8	20	108	0
Anthracene	1.16	1.059	-	8.7	20	111	0
Carbazole	1.064	0.995	-	6.5	20	111	0
Di-n-butylphthalate	1.207	1.149	-	4.8	20	110	0
Fluoranthene	1.422	1.351	-	5	20	116	0
Benzidine	0.772	0.896	-	-16.1	20	127	0
Pyrene	1.52	1.44	-	5.3	20	114	0
4-Terphenyl-d14	1.157	1.098	-	5.1	20	117	0
Butyl benzyl phthalate	0.517	0.531	-	-2.7	20	116	0
IS1_Chrysene-d12	1	1	-	0	20	123	0
Benzo(a)anthracene	1.355	1.214	-	10.4	20	120	0
3,3'-Dichlorobenzidine	0.505	0.473	-	6.3	20	116	0
Chrysene	1.349	1.167	-	13.5	20	117	0
Bis(2-ethylhexyl)phthalate	0.726	0.689	-	5.1	20	116	0
Di-n-octylphthalate	1.212	1.183	-	2.4	20	120	0
Benzo(b)fluoranthene	1.42	1.33	-	6.3	20	125	0
Benzo(k)fluoranthene	1.383	1.27	-	8.2	20	115	0
Benzo(a)pyrene	1.267	1.243	-	1.9	20	124	0
IS1_Perylene-d12	1	1	-	0	20	124	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.148	-	7	20	122	0
Dibenzo(a,h)anthracene	1.213	1.149	-	5.3	20	122	0
Benzo(ghi)perylene	1.192	1.138	-	4.5	20	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 21:06		
Lab File ID	: AP90310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
Benzaldehyde	0.703	0.714	-	-1.6	20	104	0
Acetophenone	1.403	1.412	-	-0.6	20	107	0
m-Toluidine	1.287	1.277	-	0.8	20	107	0
2-Chloroaniline	1.368	1.396	-	-2	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	119	0
a-Terpineol	0.221	0.216	-	2.3	20	110	0
3-Chloroaniline	0.115	0.108	-	6.1	20	102	0
2,6-Dichlorophenol	0.296	0.313	-	-5.7	20	117	0
1-chloro-2-nitrobenzene	0.113	0.127	-	-12.4	20	120	0
Caprolactam	0.123	0.125	-	-1.6	20	117	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	114	0
Biphenyl	0.842	0.865	-	-2.7	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	126	0
Dichloran	0.169	0.192	-	-13.6	20	146	0
Pentachloronitrobenzene	0.187	0.205	-	-9.6	20	143	0
IS2_Phenanthrene-d10	1	1	-	0	20	132	0
Diphenamid	0.416	0.466	-	-12	20	142	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 22:15		
Lab File ID	: ADP0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
1,4-Dioxane	0.381	0.355	-	6.8	20	94	0
n-Decane	1.048	0.951	-	9.3	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	119	0
Atrazine	0.343	0.406	-	-18.4	20	142	0
IS3_Phenanthrene-d10	1	1	-	0	20	132	0
n-Octadecane	0.334	0.305	-	8.7	20	121	0
Parathion	5	5.593	-	-11.9	20	167	0
3,3'-Dimethylbenzidine	5	5.422	-	-8.4	20	164	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	106	0.00
2	t	n-Nitrosodimethylamine		0.675	0.654	3.1	99	0.00
3	t	Pyridine		1.237	0.842	31.9#	76	0.00
4	S	2-Fluorophenol		1.016	1.013	0.3	106	0.00
5	T	Aniline		1.570	1.635	-4.1	106	0.00
6	t	2-Chlorophenol		1.138	1.167	-2.5	109	0.00
7	S	Phenol-d6		1.238	1.223	1.2	104	0.00
8	T	Phenol		1.390	1.381	0.6	106	0.00
9	T	Bis(2-chloroethyl)ether		1.108	1.078	2.7	107	0.00
10	T	1,3-Dichlorobenzene		1.505	1.454	3.4	107	0.00
11	T	1,4-Dichlorobenzene		1.552	1.457	6.1	106	0.00
12	T	1,2-Dichlorobenzene		1.469	1.425	3.0	108	0.00
13	t	Benzyl alcohol		0.850	0.869	-2.2	106	0.00
14	T	Bis(2-chloroisopropyl)ether		1.811	1.813	-0.1	110	0.00
15	T	2-Methylphenol		1.021	1.020	0.1	105	0.00
16	T	Hexachloroethane		0.519	0.524	-1.0	110	0.00
17	T	n-Nitrosodi-n-propylamine		0.804	0.772	4.0	99	0.00
18	T	3-Methylphenol/4-Methylphen		1.078	1.097	-1.8	107	0.00
19	S	Nitrobenzene-d5		1.126	1.129	-0.3	104	0.00
20	T	Nitrobenzene		1.140	1.167	-2.4	105	0.00
21	T	Isophorone		2.190	2.085	4.8	99	0.00
22	T	2-Nitrophenol		0.540	0.561	-3.9	113	0.00
23	T	2,4-Dimethylphenol		1.161	1.188	-2.3	105	0.00
24	T	Bis(2-chloroethoxy)methane		1.589	1.724	-8.5	109	0.00
25	T	2,4-Dichlorophenol		1.180	1.196	-1.4	104	0.00
26	T	1,2,4-Trichlorobenzene		1.517	1.443	4.9	107	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	107	0.00
36	T	Naphthalene		1.028	0.965	6.1	106	0.00
37	T	Benzoic Acid	*	5.000	4.484	10.3	104	0.00
38	T	4-Chloroaniline		0.130	0.122	6.2	103	0.00
39	T	Hexachlorobutadiene		0.247	0.232	6.1	107	0.00
40	T	p-Chloro-m-cresol		0.273	0.268	1.8	101	0.00
41	T	2-Methylnaphthalene		0.657	0.622	5.3	105	0.00
42	T	1-Methylnaphthalene		0.236	0.217	8.1	101	0.00
43	T	Hexachlorocyclopentadiene		0.278	0.271	2.5	103	0.00
44	T	2,4,6-Trichlorophenol		0.264	0.274	-3.8	106	0.00
45	T	2,4,5-Trichlorophenol		0.275	0.276	-0.4	104	0.00
46	S	2-Fluorobiphenyl		0.982	0.917	6.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.795	0.729	8.3	103	0.00
48	T	2-Nitroaniline		0.194	0.184	5.2	100	0.00
49	T	1,4-Dinitrobenzene	*	5.000	3.984	20.3#	101	0.00
50	T	1,3-Dinitrobenzene		0.128	0.116	9.4	95	0.00
51	T	Dimethyl phthalate		0.963	0.923	4.2	100	0.00
52	T	Acenaphthylene		1.211	1.165	3.8	101	0.00
53	T	2,6-Dinitrotoluene		0.180	0.174	3.3	97	0.00
54	T	1,2-Dinitrobenzene		0.077	0.079	-2.6	99	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	102	0.00
64	T	3-Nitroaniline		0.260	0.275	-5.8	96	0.00
65	T	Acenaphthene		1.082	1.036	4.3	106	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.041	19.2	88	0.00
67	T	Dibenzofuran		1.846	1.765	4.4	101	0.00
68	T	2,4-Dinitrotoluene		0.377	0.387	-2.7	98	0.00
69	T	4-Nitrophenol		0.200	0.232	-16.0	112	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.330	0.350	-6.1	99	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.355	0.411	-15.8	103	0.00
72	T	Diethyl phthalate		1.332	1.311	1.6	97	0.00
73	T	Fluorene		1.430	1.407	1.6	102	0.00
74	T	4-Chlorophenyl phenyl ether		0.733	0.707	3.5	104	0.00
75	T	4-Nitroaniline		0.246	0.265	-7.7	97	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.285	14.3	100	0.00
77	T	NDPA/DPA		1.200	1.185	1.2	100	0.00
78	T	Azobenzene		1.133	1.161	-2.5	99	0.00
79	S	2,4,6-Tribromophenol		0.201	0.207	-3.0	97	0.00
80	T	4-Bromophenyl phenyl ether		0.439	0.421	4.1	100	0.00
81	T	Hexachlorobenzene		0.513	0.486	5.3	103	0.00
82	T	Pentachlorophenol		0.280	0.273	2.5	98	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	101	0.00
89	T	Phenanthrene		1.129	1.069	5.3	101	0.00
90	T	Anthracene		1.081	1.064	1.6	99	0.00
91	T	Carbazole		0.973	0.984	-1.1	99	0.00
92	T	Di-n-butylphthalate		0.996	1.073	-7.7	98	0.00
93	T	Fluoranthene		1.236	1.278	-3.4	101	0.00
94	T	Benzidine	*	5.000	4.854	2.9	103	0.00
95	T	Pyrene		1.297	1.368	-5.5	101	0.00
96	S	4-Terphenyl-d14		0.965	0.954	1.1	98	0.00

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.546	9.1	106	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	101	0.00
105	T	Benzo(a)anthracene		1.249	1.286	-3.0	103	0.00
106	T	3,3'-Dichlorobenzidine		0.403	0.445	-10.4	97	0.00
107	T	Chrysene		1.233	1.175	4.7	104	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.869	2.6	101	0.00
109	T	Di-n-octylphthalate	*	5.000	4.671	6.6	102	0.00
110	T	Benzo(b)fluoranthene		1.211	1.198	1.1	93	0.00
111	T	Benzo(k)fluoranthene		1.049	1.138	-8.5	115	0.00
112	T	Benzo(a)pyrene		1.009	1.055	-4.6	102	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	102	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.005	1.115	-10.9	106	0.00
115	T	Dibenzo(a,h)anthracene		1.000	1.106	-10.6	110	0.00
116	T	Benzo(ghi)perylene		1.011	1.141	-12.9	114	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.222	152	108838	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	7.660	136	393987	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	9.421	164	252029	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	10.859	188	522063	4.000	ug/ml		0.00
104) IS1_Chrysene-d12	13.473	240	526142	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	14.935	264	513357	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.179	112	137881	4.990	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.50%#				
7) Phenol-d6	5.856	99	166454	4.943	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 247.15%#				
19) Nitrobenzene-d5	6.894	82	153555	5.011	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 501.10%#				
46) 2-Fluorobiphenyl	8.786	172	451652	4.671	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 467.10%#				
79) 2,4,6-Tribromophenol	10.196	330	65353	5.151	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 257.55%#				
96) 4-Terphenyl-d14	12.436	244	622679	4.944	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 494.40%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.911	74	89001	4.845	ug/ml	#	77
3) Pyridine	1.947	79	114614	3.405	ug/ml	#	70
5) Aniline	5.805	93	222450	5.208	ug/ml		97
6) 2-Chlorophenol	5.950	128	158801	5.130	ug/ml		94
8) Phenol	5.873	94	187844	4.967	ug/ml		97
9) Bis(2-chloroethyl)ether	5.941	93	146676	4.865	ug/ml	#	79
10) 1,3-Dichlorobenzene	6.145	146	197798	4.830	ug/ml		94
11) 1,4-Dichlorobenzene	6.239	146	198223	4.695	ug/ml		95
12) 1,2-Dichlorobenzene	6.426	146	193912	4.853	ug/ml		94
13) Benzyl alcohol	6.443	79	118226	5.110	ug/ml		97
14) Bis(2-chloroisopropyl)...	6.623	45	246633	5.004	ug/ml	#	60
15) 2-Methylphenol	6.623	108	138728	4.994	ug/ml		98
16) Hexachloroethane	6.811	117	71320	5.055	ug/ml	#	48
17) n-Nitrosodi-n-propylamine	6.774	70	105085	4.801	ug/ml		93
18) 3-Methylphenol/4-Methy...	6.811	108	149233	5.090	ug/ml		98
20) Nitrobenzene	6.916	77	158816	5.121	ug/ml		98
21) Isophorone	7.194	82	283692	4.760	ug/ml		98
22) 2-Nitrophenol	7.277	139	76275	5.195	ug/ml		90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.382	107	161613	5.115	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.472	93	234562	5.427	ug/ml	98
25) 2,4-Dichlorophenol	7.545	162	162727	5.069	ug/ml#	92
26) 1,2,4-Trichlorobenzene	7.617	180	196252	4.755	ug/ml	97
36) Naphthalene	7.682	128	475451	4.695	ug/ml	99
37) Benzoic Acid	7.480	105	59691	4.484	ug/ml	91
38) 4-Chloroaniline	7.775	65	60217	4.708	ug/ml	85
39) Hexachlorobutadiene	7.854	225	114275	4.700	ug/ml	98
40) p-Chloro-m-cresol	8.310	107	131912	4.902	ug/ml	93
41) 2-Methylnaphthalene	8.399	142	306366	4.737	ug/ml	95
42) 1-Methylnaphthalene	8.498	115	106942	4.608	ug/ml	92
43) Hexachlorocyclopentadiene	8.579	237	133499	4.884	ug/ml	100
44) 2,4,6-Trichlorophenol	8.705	196	134769	5.175	ug/ml	99
45) 2,4,5-Trichlorophenol	8.732	196	135895	5.009	ug/ml	100
47) 2-Chloronaphthalene	8.885	162	358882	4.585	ug/ml	92
48) 2-Nitroaniline	9.002	138	90627	4.738	ug/ml	84
49) 1,4-Dinitrobenzene	9.137	168	56400	3.984	ug/ml#	59
50) 1,3-Dinitrobenzene	9.216	168	57261	4.557	ug/ml#	1
51) Dimethyl phthalate	9.206	163	454711	4.795	ug/ml#	99
52) Acenaphthylene	9.284	152	573969	4.812	ug/ml	98
53) 2,6-Dinitrotoluene	9.245	165	85459	4.807	ug/ml#	76
54) 1,2-Dinitrobenzene	9.294	168	39042	5.170	ug/ml#	1
64) 3-Nitroaniline	9.402	138	86645	5.290	ug/ml#	91
65) Acenaphthene	9.460	154	326276	4.785	ug/ml	92
66) 2,4-Dinitrophenol	9.509	184	34725	4.041	ug/ml#	79
67) Dibenzofuran	9.627	168	556181	4.782	ug/ml	90
68) 2,4-Dinitrotoluene	9.637	165	121899	5.127	ug/ml#	82
69) 4-Nitrophenol	9.598	65	73019	5.788	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.725	232	110370	5.311	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.764	232	129333	5.775	ug/ml	95
72) Diethyl phthalate	9.900	149	412972	4.920	ug/ml	96
73) Fluorene	9.957	166	443363	4.922	ug/ml	94
74) 4-Chlorophenyl phenyl ...	9.978	204	222684	4.820	ug/ml#	86
75) 4-Nitroaniline	9.992	138	83535	5.387	ug/ml	84
76) 4,6-Dinitro-o-cresol	10.027	198	58713	4.285	ug/ml#	58
77) NDPA/DPA	10.098	169	373396	4.937	ug/ml	94
78) Azobenzene	10.126	77	365721	5.121	ug/ml#	92
80) 4-Bromophenyl phenyl e...	10.446	248	132504	4.787	ug/ml#	84
81) Hexachlorobenzene	10.498	284	153020	4.736	ug/ml#	83
82) Pentachlorophenol	10.691	266	86094	4.877	ug/ml	99
89) Phenanthrene	10.881	178	697884	4.734	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
Acq On : 6 Mar 2025 10:28 am
Operator : SV107:slr
Sample : WG2037390-3,32,,ABN 11297 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Mar 06 11:14:58 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	10.925	178	694178	4.921	ug/ml	98
91) Carbazole	11.100	167	642386	5.061	ug/ml	98
92) Di-n-butylphthalate	11.494	149	700041	5.383	ug/ml	98
93) Fluoranthene	12.027	202	834257	5.170	ug/ml#	91
94) Benzidine	12.188	184	487219	4.854	ug/ml#	94
95) Pyrene	12.239	202	892683	5.273	ug/ml	99
97) Butyl benzyl phthalate	12.955	149	289263	4.546	ug/ml	85
105) Benzo(a)anthracene	13.466	228	845832	5.149	ug/ml	98
106) 3,3'-Dichlorobenzidine	13.466	252	292592	5.522	ug/ml#	97
107) Chrysene	13.497	228	772833	4.765	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	13.592	149	455035	4.869	ug/ml#	98
109) Di-n-octylphthalate	14.266	149	713179	4.671	ug/ml#	73
110) Benzo(b)fluoranthene	14.568	252	787877	4.947	ug/ml#	94
111) Benzo(k)fluoranthene	14.592	252	748212	5.424	ug/ml#	93
112) Benzo(a)pyrene	14.879	252	694167	5.230	ug/ml#	93
114) Indeno(1,2,3-cd)pyrene	15.893	276	715617M6	5.548	ug/mL	
115) Dibenzo(a,h)anthracene	15.916	278	710003	5.530	ug/ml#	90
116) Benzo(ghi)perylene	16.139	276	732291	5.645	ug/ml#	87

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ABN0306.D
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Sample : WG2037390-3,32,,ABN 11297 gmr0304A
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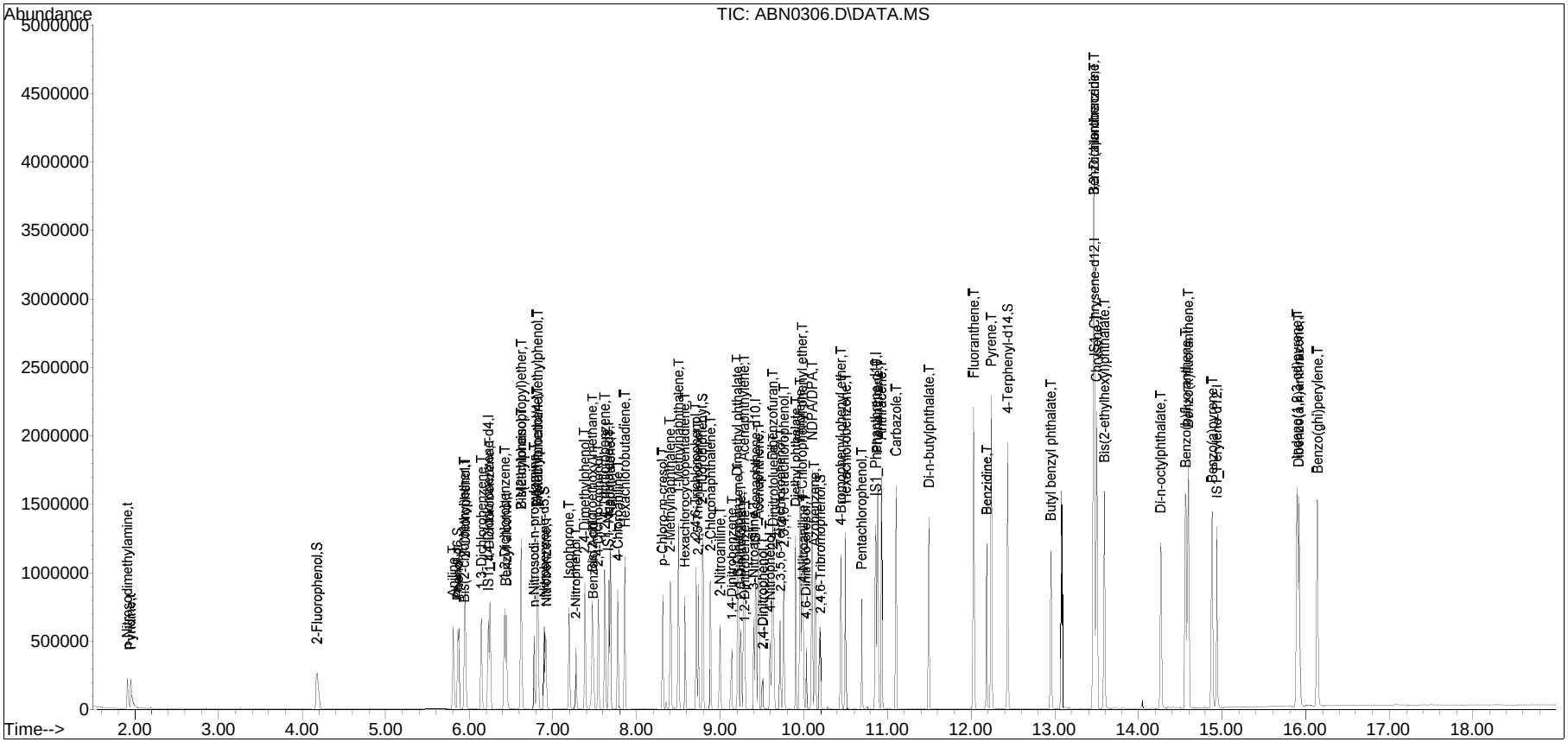
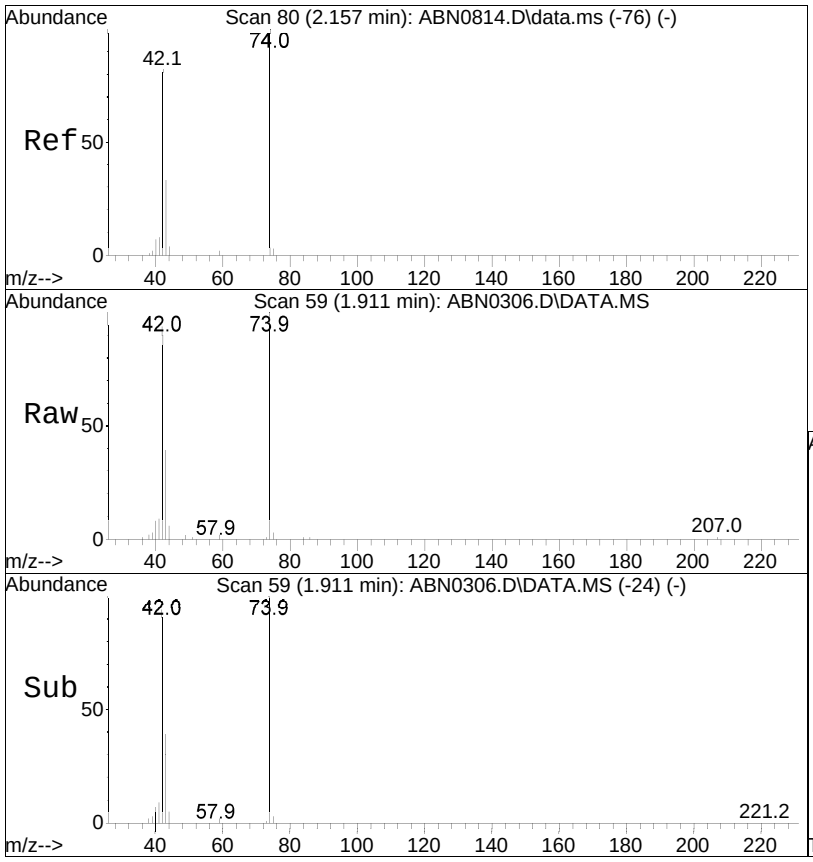
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:15:52 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

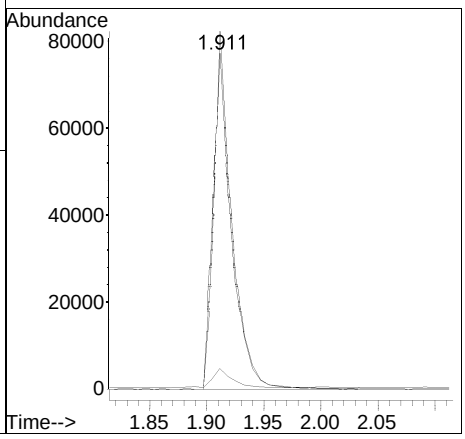


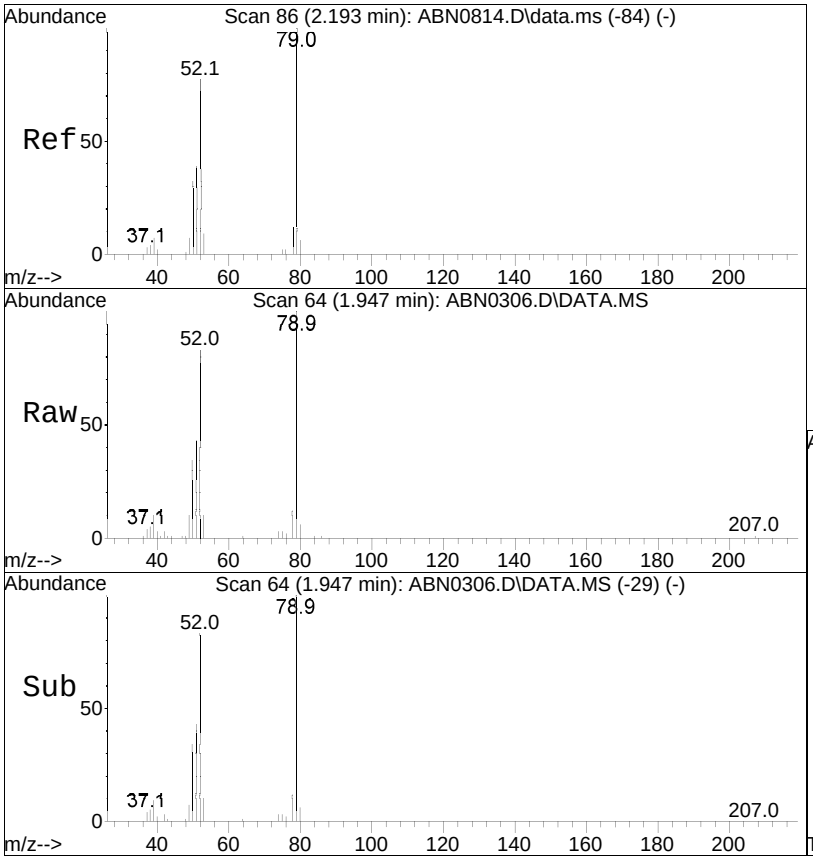


#2
n-Nitrosodimethylamine
Concen: 4.85 ug/ml
RT: 1.911 min Scan# 59
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 74 Resp: 89001

Ion	Ratio	Lower	Upper
74	100		
42	97.2	100.0	150.0#
44	5.9	6.7	10.1#

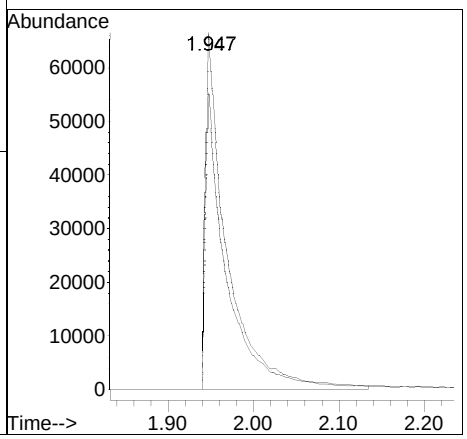


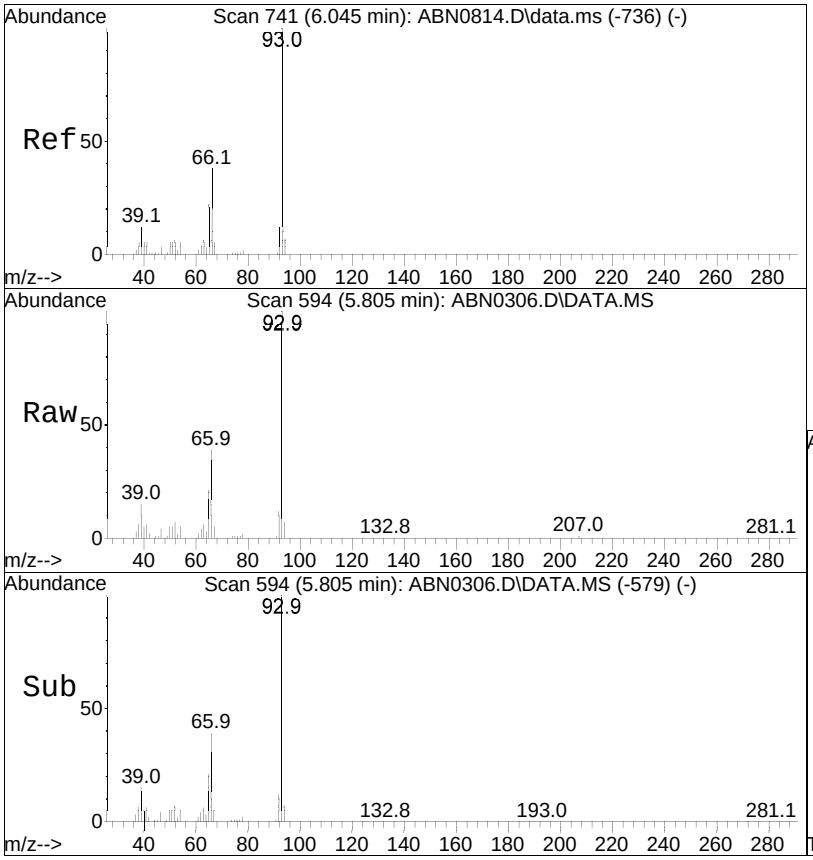


#3
Pyridine
Concen: 3.41 ug/ml
RT: 1.947 min Scan# 64
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 79 Resp: 114614

Ion	Ratio	Lower	Upper
79	100		
52	83.4	93.1	139.7#

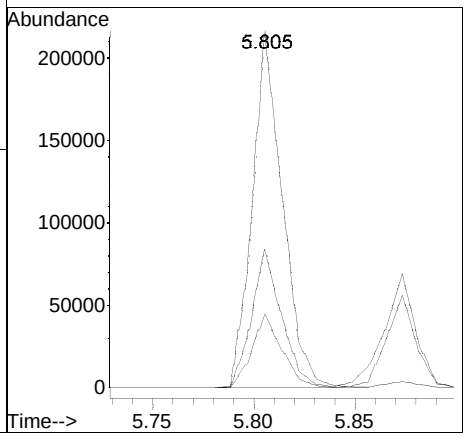


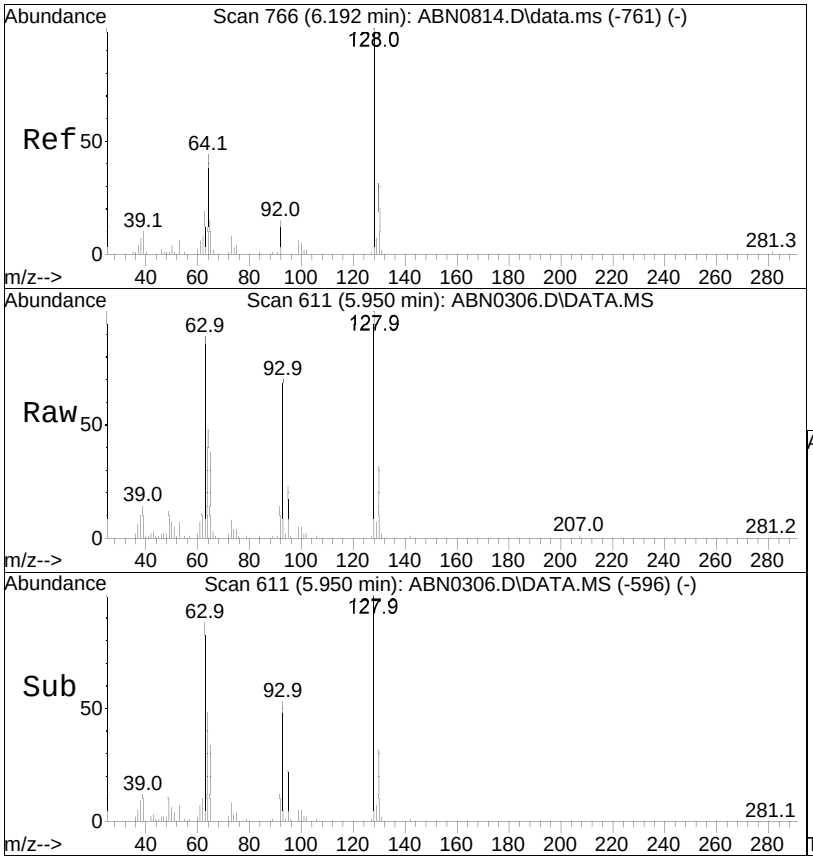


#5
Aniline
Concen: 5.21 ug/ml
RT: 5.805 min Scan# 594
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 93 Resp: 222450

Ion	Ratio	Lower	Upper
93	100		
66	38.9	32.6	49.0
65	20.7	17.6	26.4

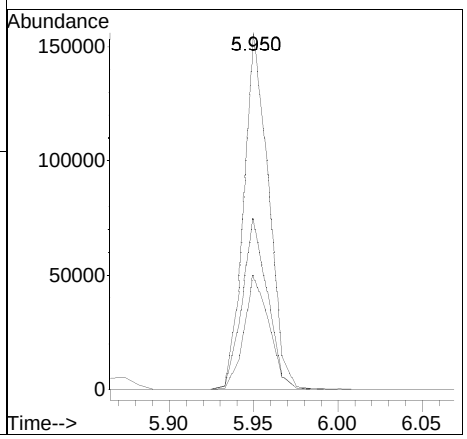


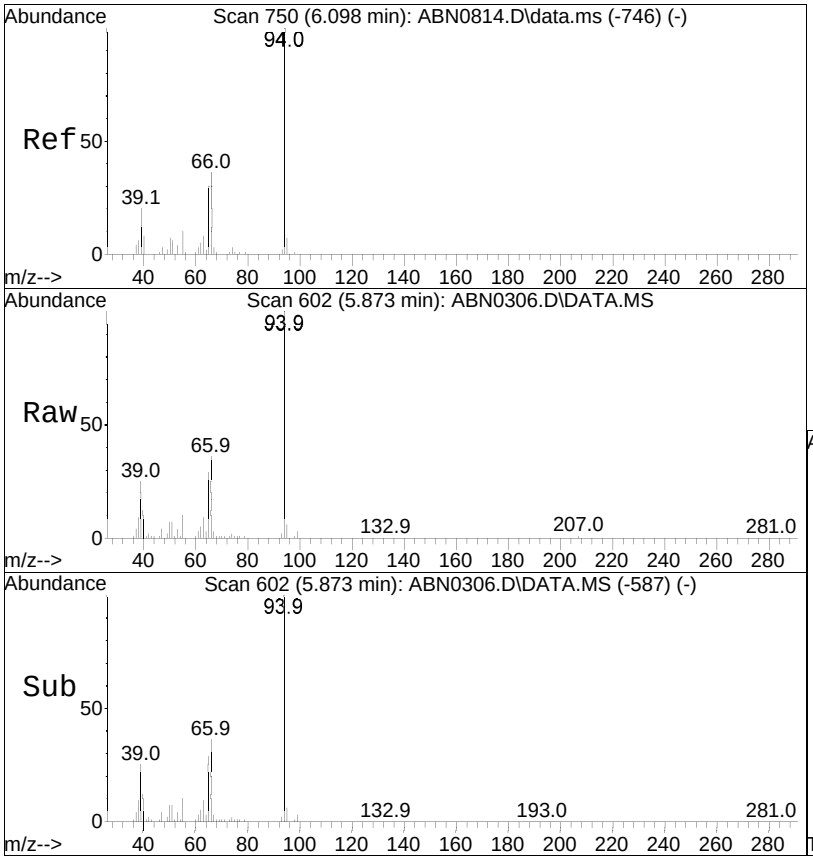


#6
2-Chlorophenol
Concen: 5.13 ug/ml
RT: 5.950 min Scan# 611
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:128 Resp: 158801

Ion	Ratio	Lower	Upper
128	100		
64	49.1	45.1	67.7
130	32.6	26.2	39.4

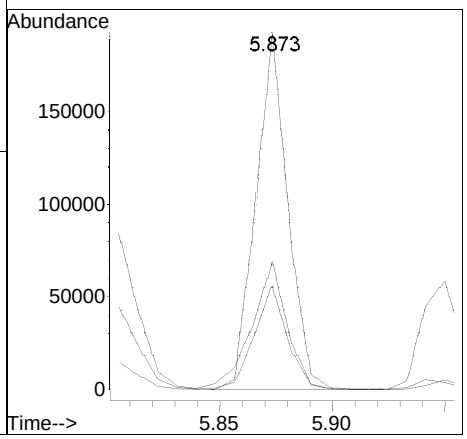


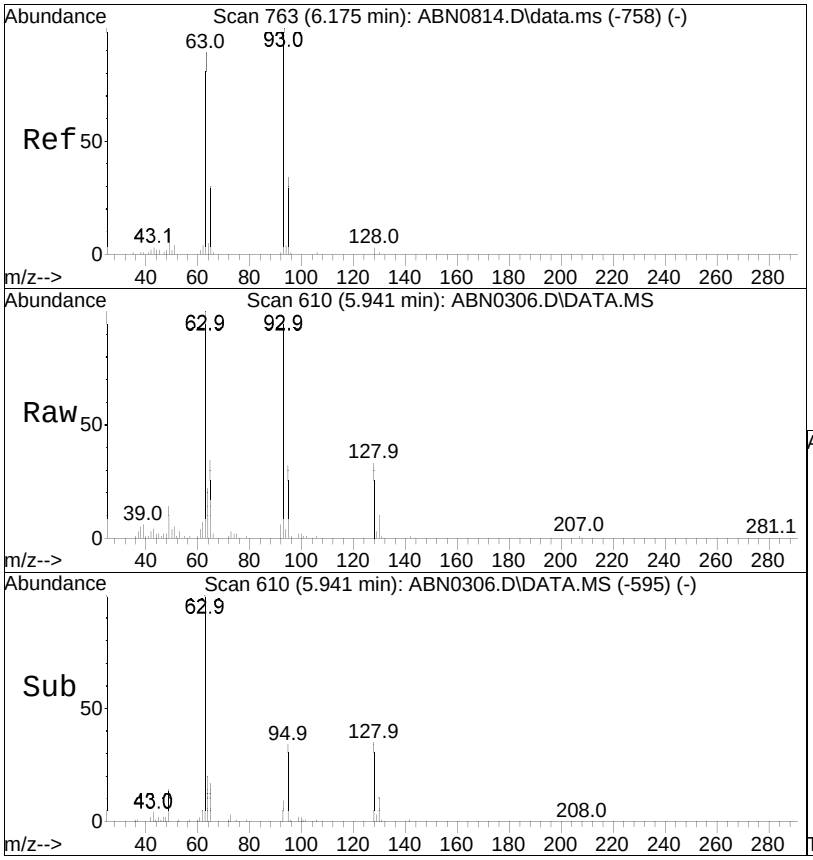


#8
Phenol
Concen: 4.97 ug/ml
RT: 5.873 min Scan# 602
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 94 Resp: 187844

Ion	Ratio	Lower	Upper
94	100		
65	30.4	26.0	39.0
66	40.3	33.8	50.8

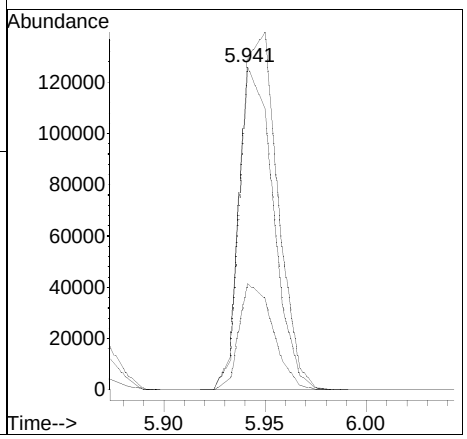


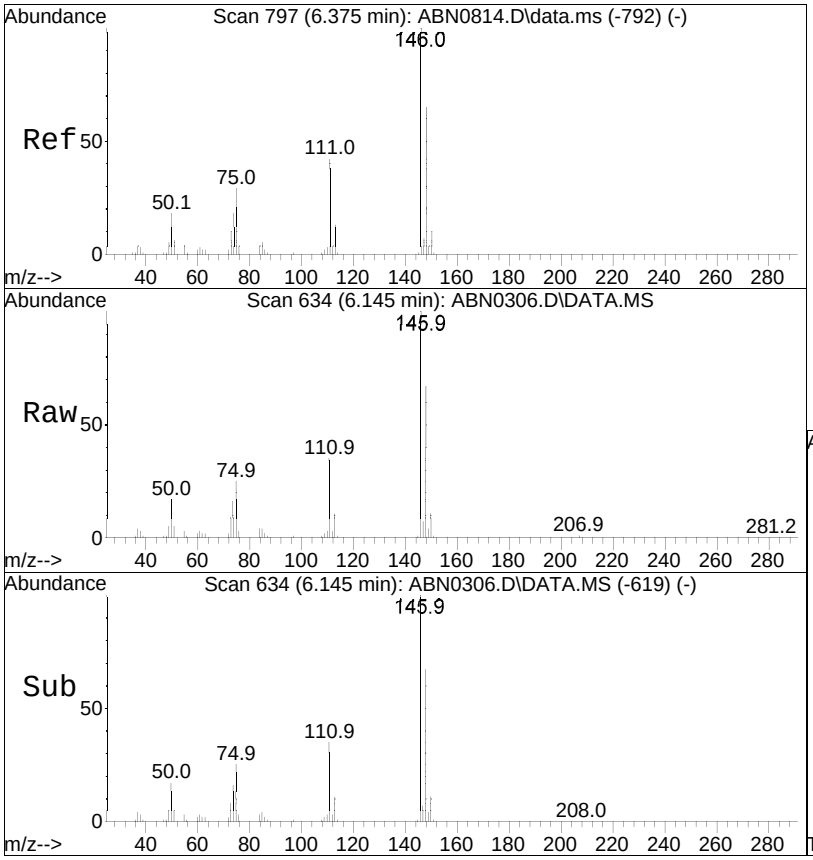


#9
Bis(2-chloroethyl)ether
Concen: 4.87 ug/ml
RT: 5.941 min Scan# 610
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 93 Resp: 146676

Ion	Ratio	Lower	Upper
93	100		
63	120.4	74.6	111.8#
95	33.1	25.9	38.9

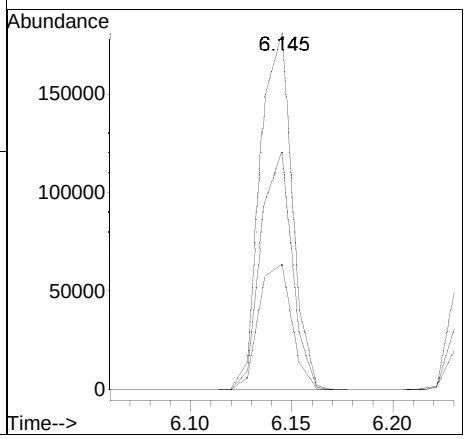


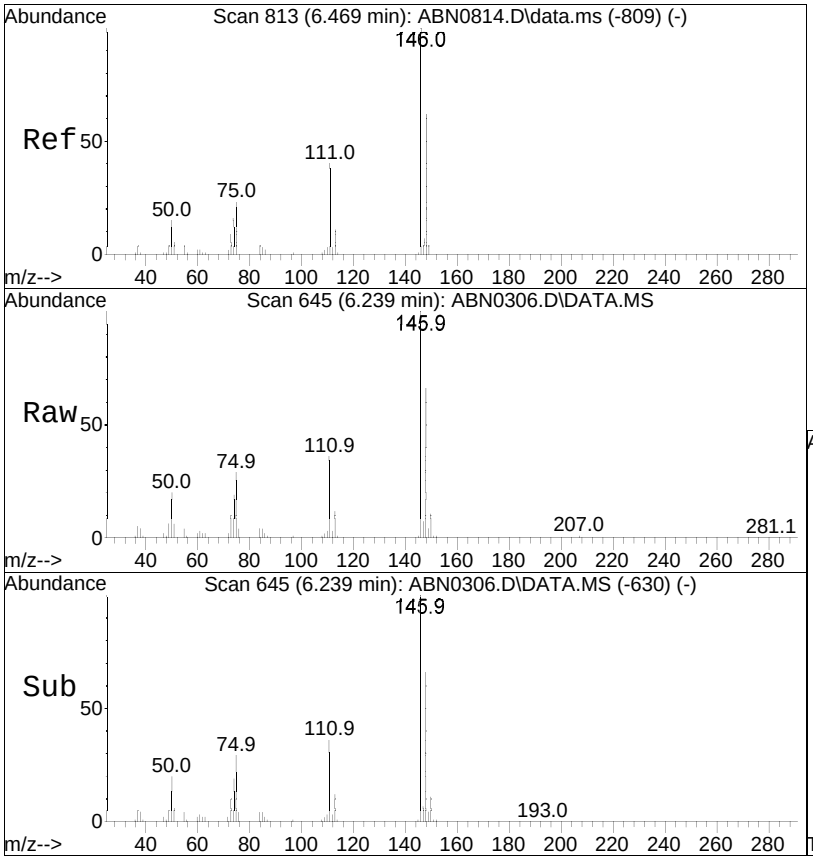


#10
1,3-Dichlorobenzene
Concen: 4.83 ug/ml
RT: 6.145 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:146 Resp: 197798

Ion	Ratio	Lower	Upper
146	100		
111	36.6	34.3	51.5
148	65.6	50.8	76.2

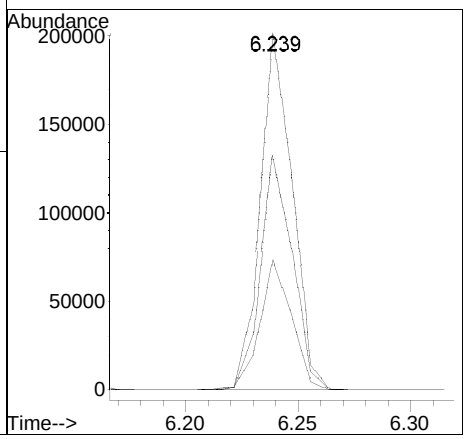


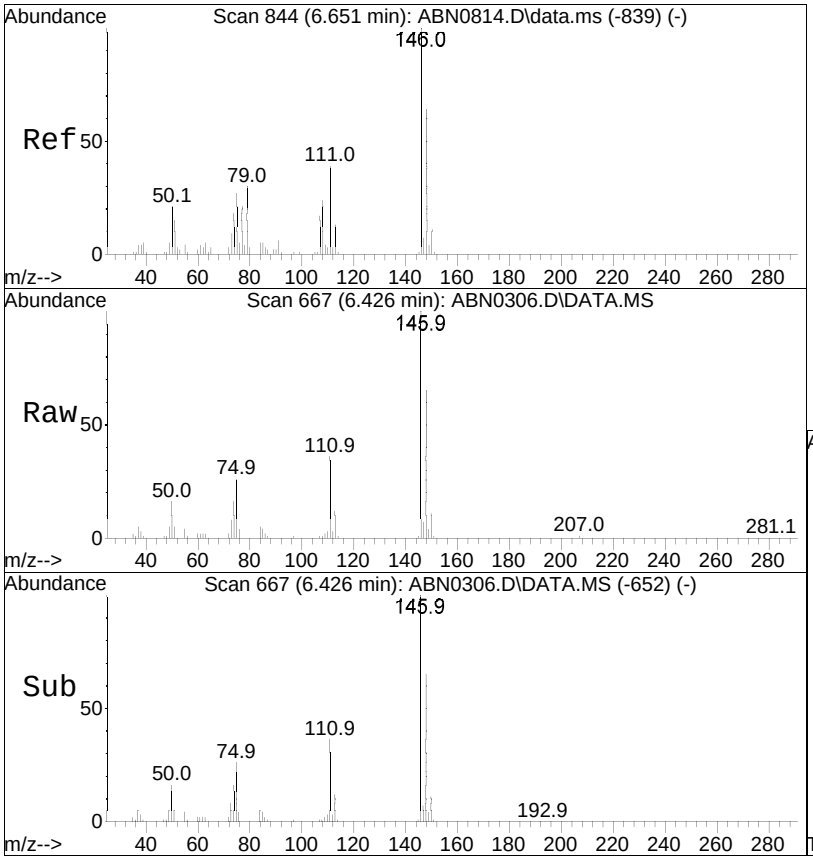


#11
1,4-Dichlorobenzene
Concen: 4.69 ug/ml
RT: 6.239 min Scan# 645
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:146 Resp: 198223

Ion	Ratio	Lower	Upper
146	100		
148	65.9	50.7	76.1
111	36.6	33.4	50.0

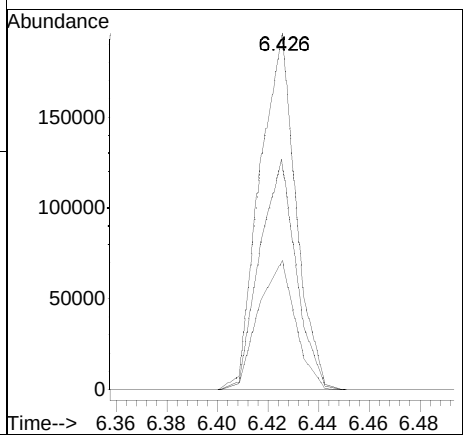


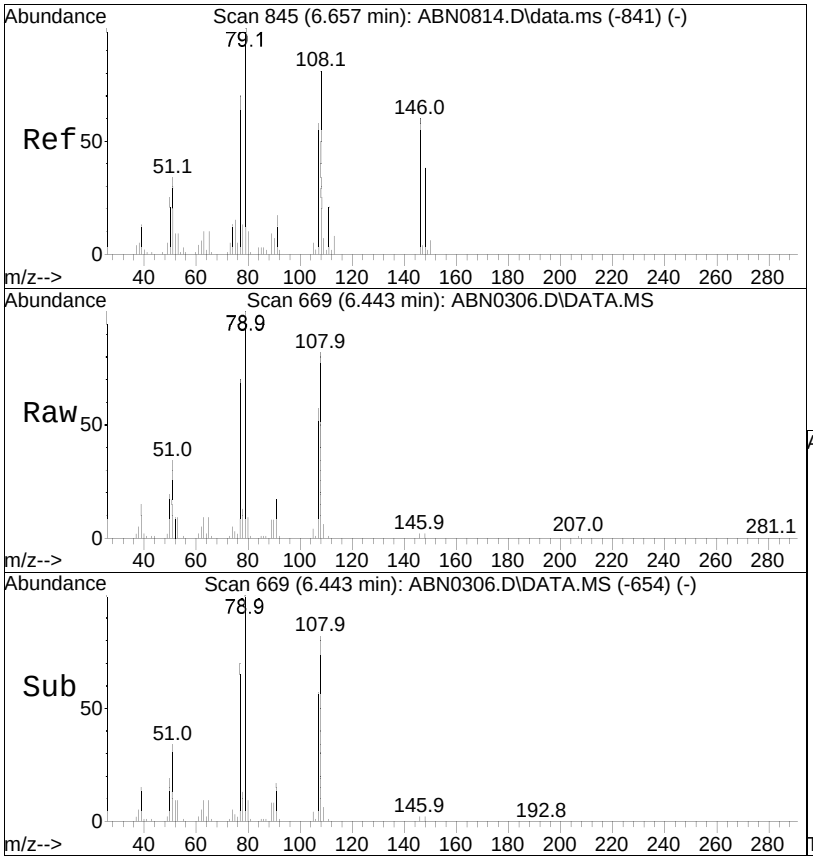


#12
1,2-Dichlorobenzene
Concen: 4.85 ug/ml
RT: 6.426 min Scan# 667
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:146 Resp: 193912

Ion	Ratio	Lower	Upper
146	100		
111	37.3	34.6	52.0
148	65.1	50.2	75.4

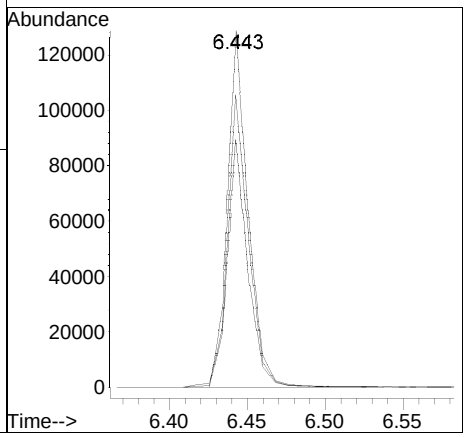


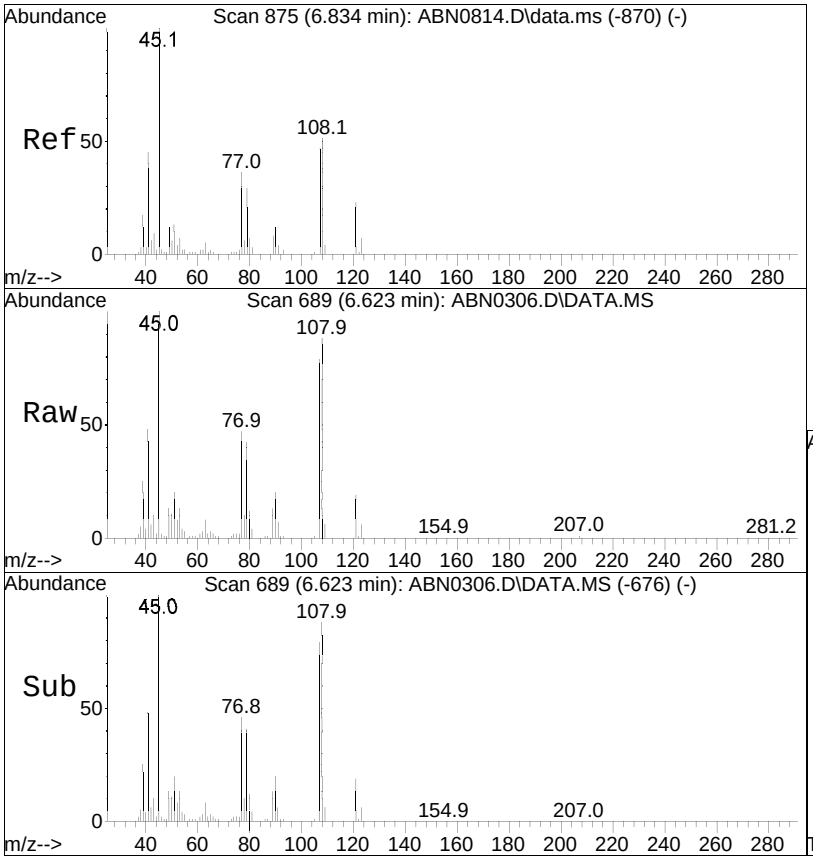


#13
Benzyl alcohol
Concen: 5.11 ug/ml
RT: 6.443 min Scan# 669
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 79 Resp: 118226

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	83.8	63.1	94.7

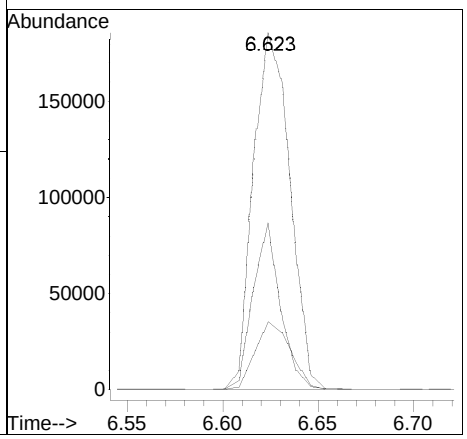


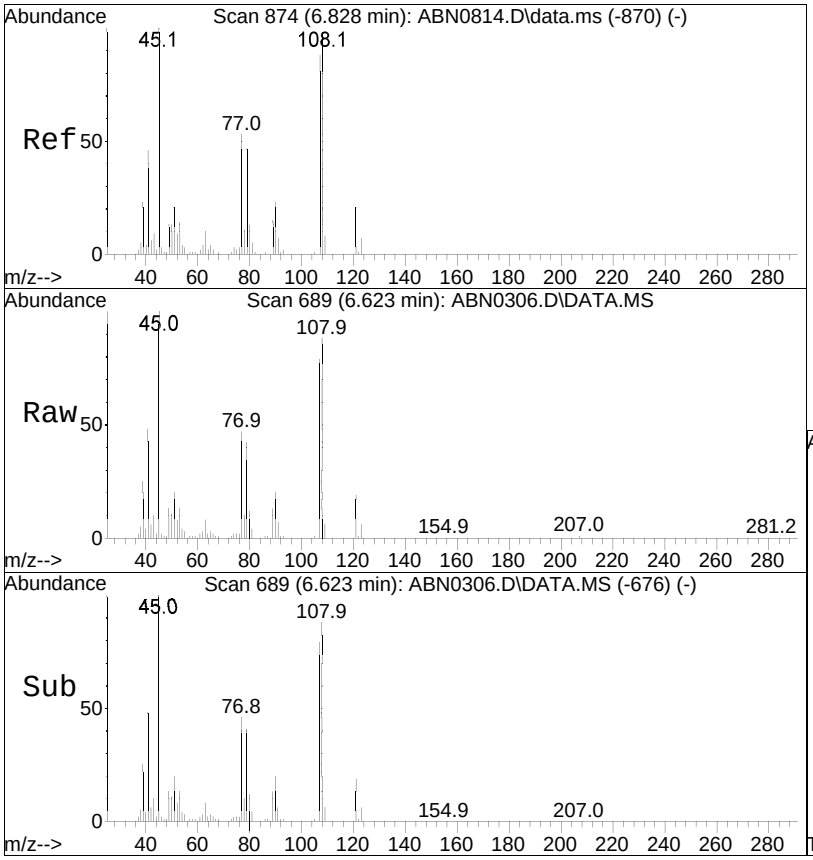


#14
Bis(2-chloroisopropyl)ether
Concen: 5.00 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 45 Resp: 246633

Ion	Ratio	Lower	Upper
45	100		
121	18.3	9.8	14.6#
77	35.2	6.1	9.1#

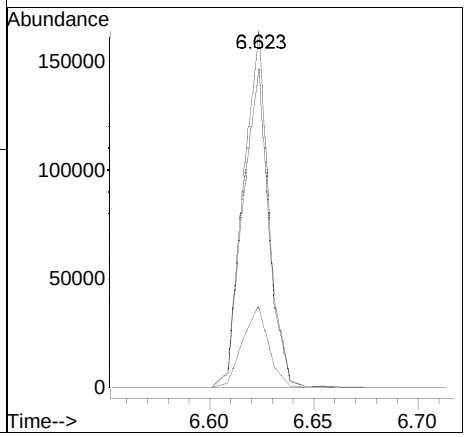


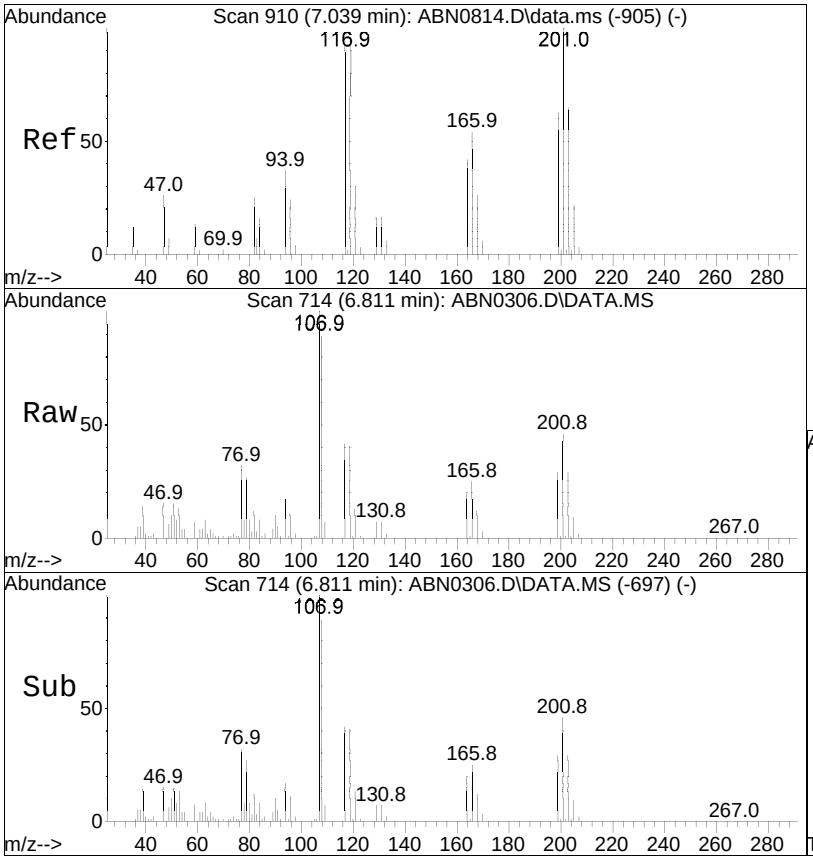


#15
2-Methylphenol
Concen: 4.99 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:108 Resp: 138728

Ion	Ratio	Lower	Upper
108	100		
107	90.8	70.7	106.1
90	23.3	18.7	28.1

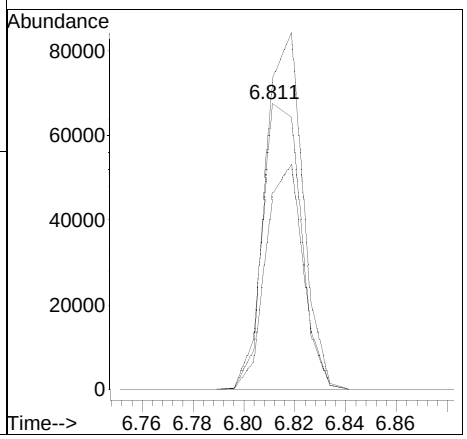


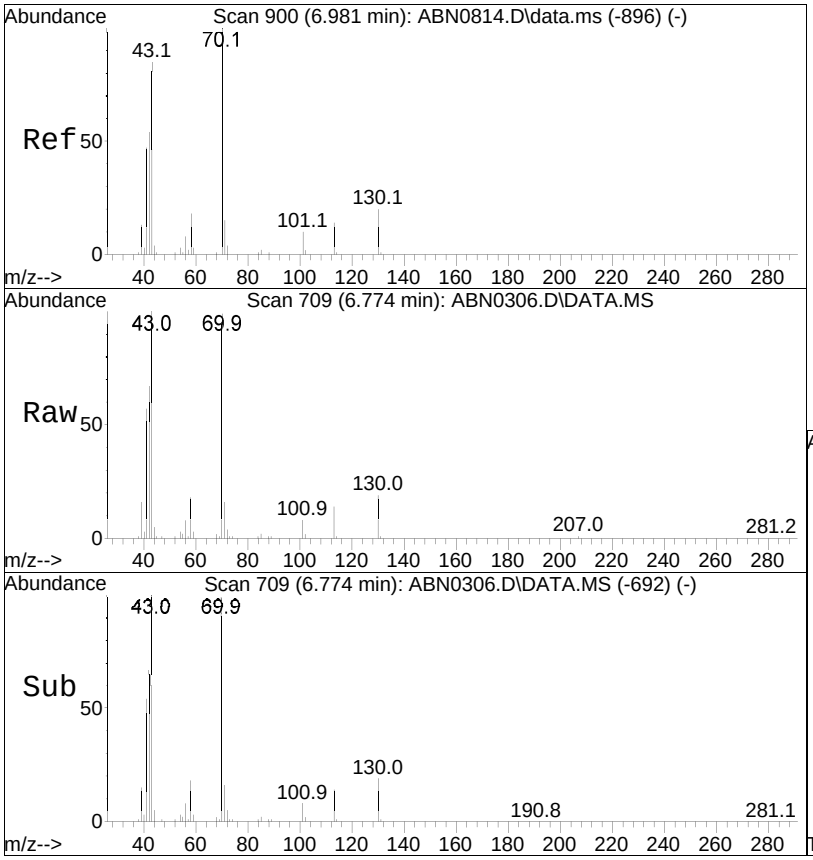


#16
Hexachloroethane
Concen: 5.05 ug/ml
RT: 6.811 min Scan# 714
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:117 Resp: 71320

Ion	Ratio	Lower	Upper
117	100		
201	119.9	58.6	87.8#
199	76.6	36.9	55.3#

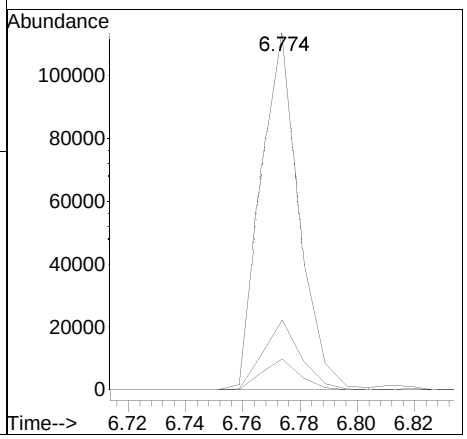


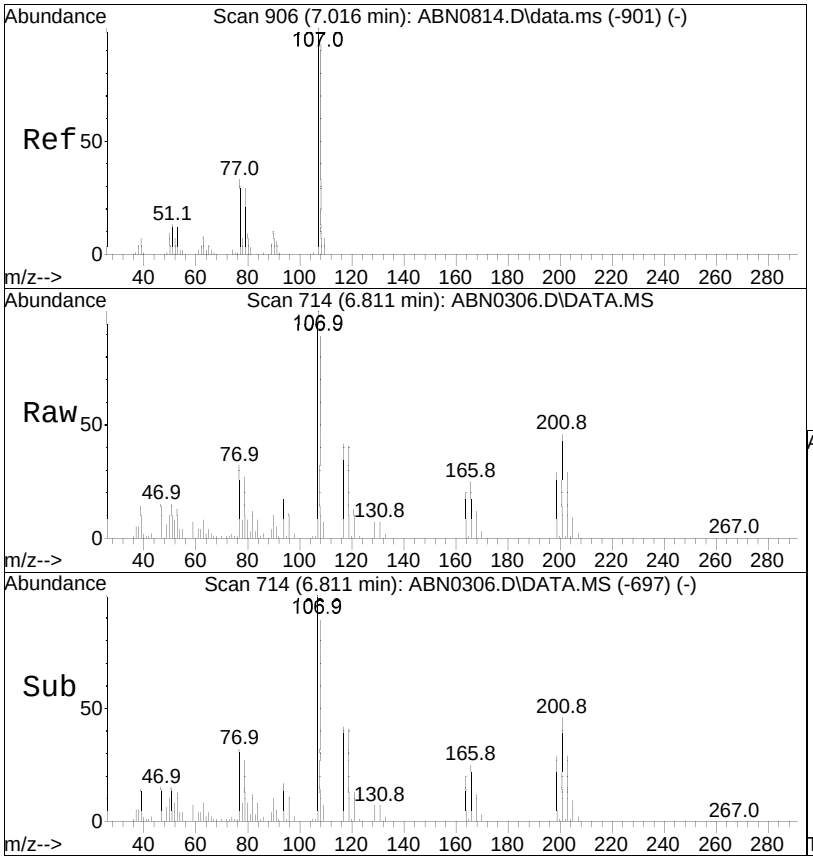


#17
n-Nitrosodi-n-propylamine
Concen: 4.80 ug/ml
RT: 6.774 min Scan# 709
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 70 Resp: 105085

Ion	Ratio	Lower	Upper
70	100		
130	19.0	18.2	27.4
101	8.3	7.8	11.8

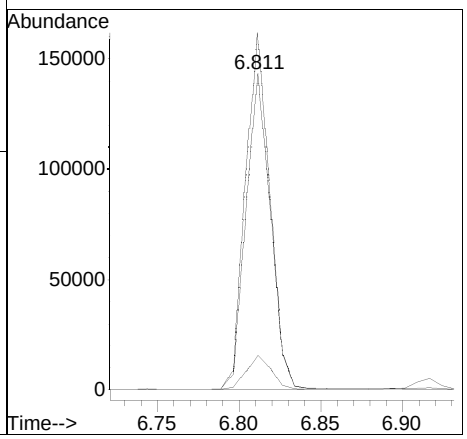


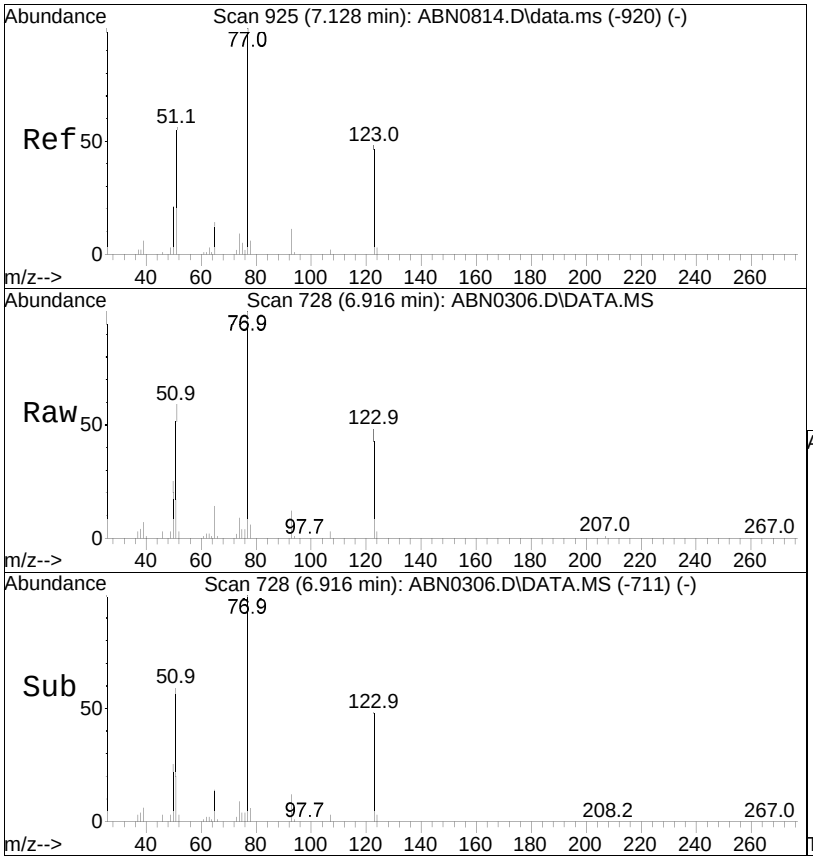


#18
3-Methylphenol/4-Methylphenol
Concen: 5.09 ug/ml
RT: 6.811 min Scan# 714
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:108 Resp: 149233

Ion	Ratio	Lower	Upper
108	100		
107	112.9	88.6	132.8
90	10.9	8.8	13.2

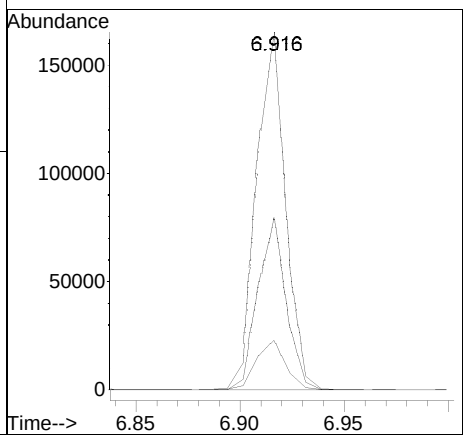


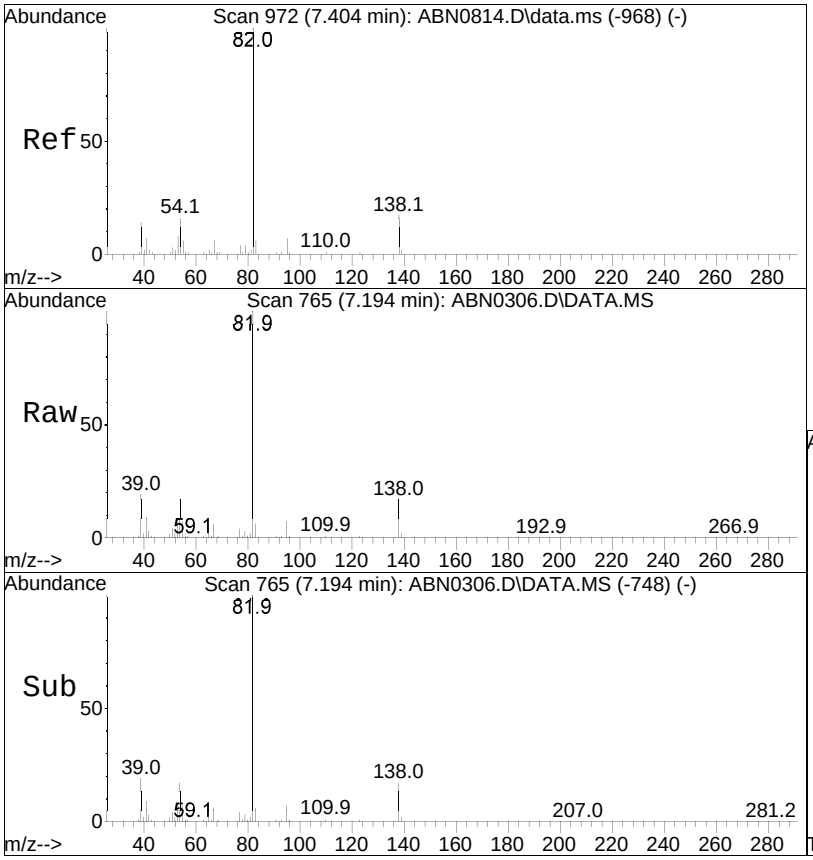


#20
Nitrobenzene
Concen: 5.12 ug/ml
RT: 6.916 min Scan# 728
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 77 Resp: 158816

Ion	Ratio	Lower	Upper
77	100		
123	46.7	36.3	54.5
65	14.2	11.6	17.4

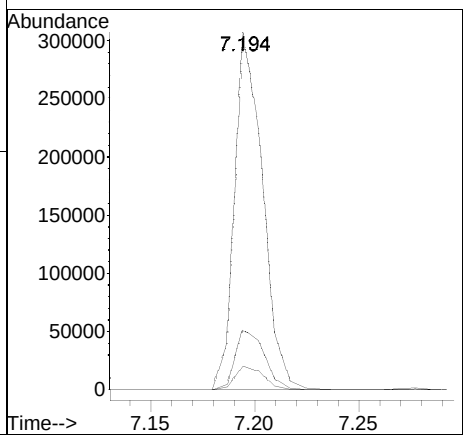


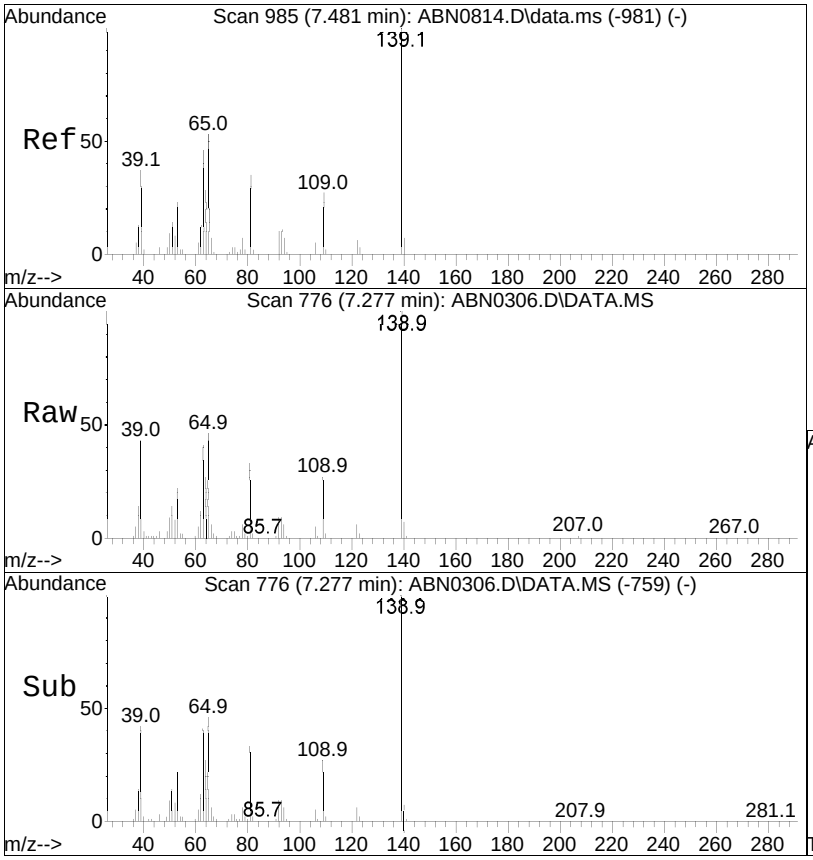


#21
Isophorone
Concen: 4.76 ug/ml
RT: 7.194 min Scan# 765
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 82 Resp: 283692

Ion	Ratio	Lower	Upper
82	100		
138	17.6	14.7	22.1
95	6.9	5.2	7.8

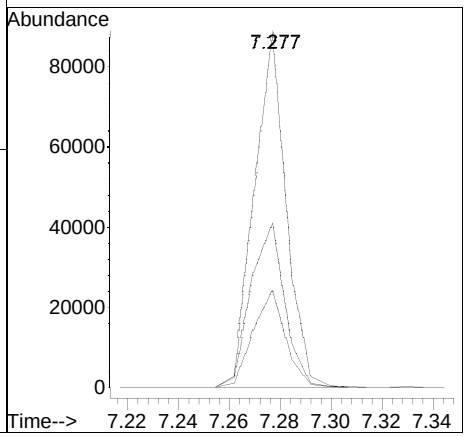


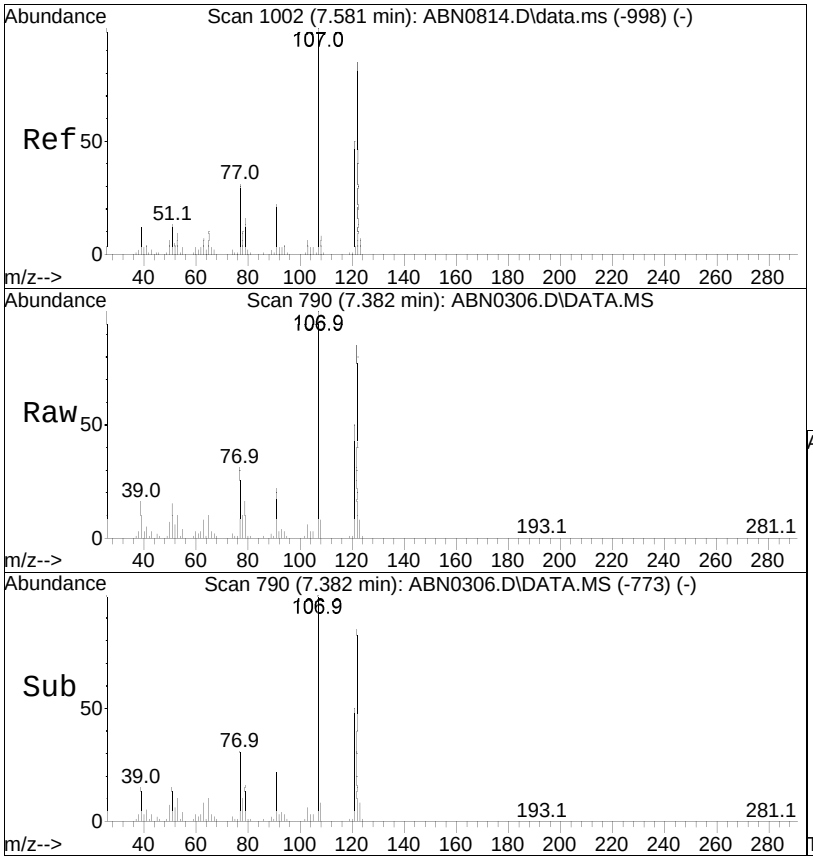


#22
2-Nitrophenol
Concen: 5.19 ug/ml
RT: 7.277 min Scan# 776
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:139 Resp: 76275

Ion	Ratio	Lower	Upper
139	100		
109	28.1	19.4	29.0
65	49.6	46.1	69.1

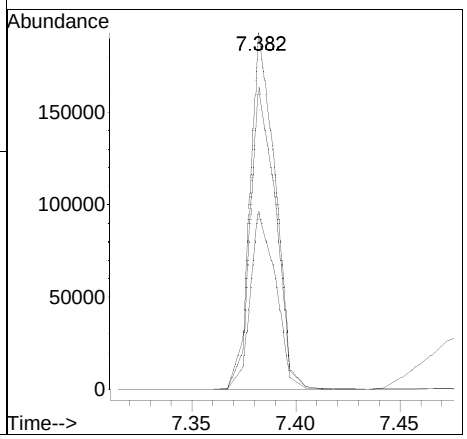


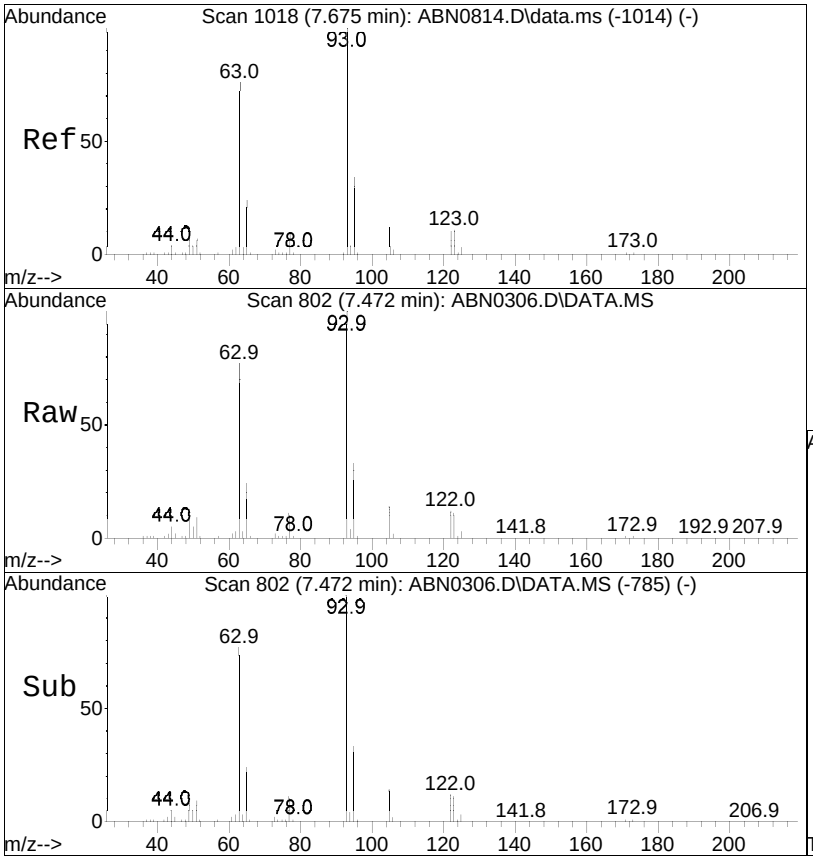


#23
2,4-Dimethylphenol
Concen: 5.12 ug/ml
RT: 7.382 min Scan# 790
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:107 Resp: 161613

Ion	Ratio	Lower	Upper
107	100		
121	50.3	40.0	60.0
122	85.5	70.2	105.4

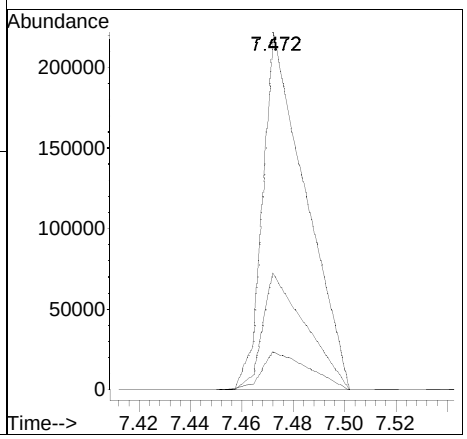


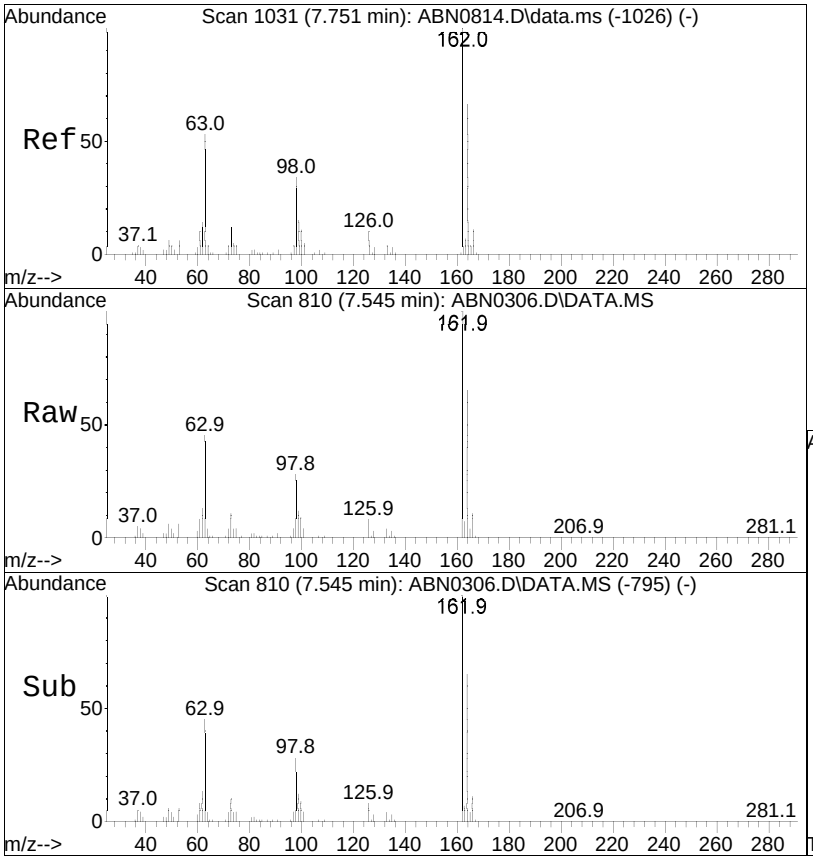


#24
Bis(2-chloroethoxy)methane
Concen: 5.43 ug/ml
RT: 7.472 min Scan# 802
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 93 Resp: 234562

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	11.6	10.1	15.1

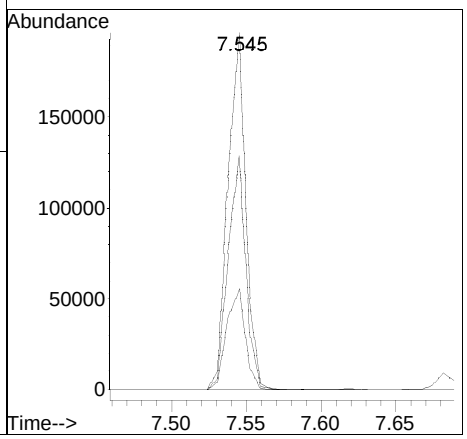


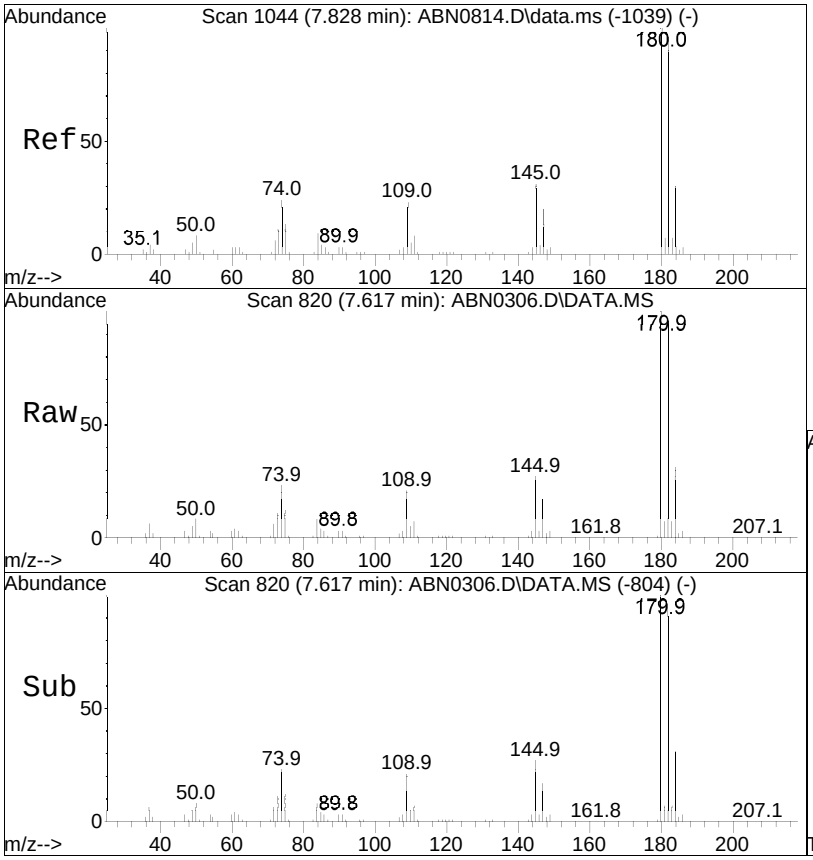


#25
2,4-Dichlorophenol
Concen: 5.07 ug/ml
RT: 7.545 min Scan# 810
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:162 Resp: 162727

Ion	Ratio	Lower	Upper
162	100		
164	65.2	51.0	76.4
98	29.9	32.2	48.2#

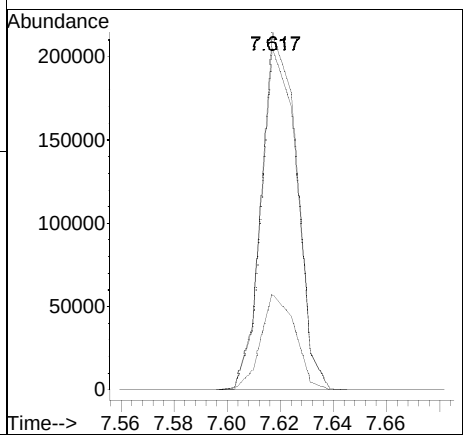


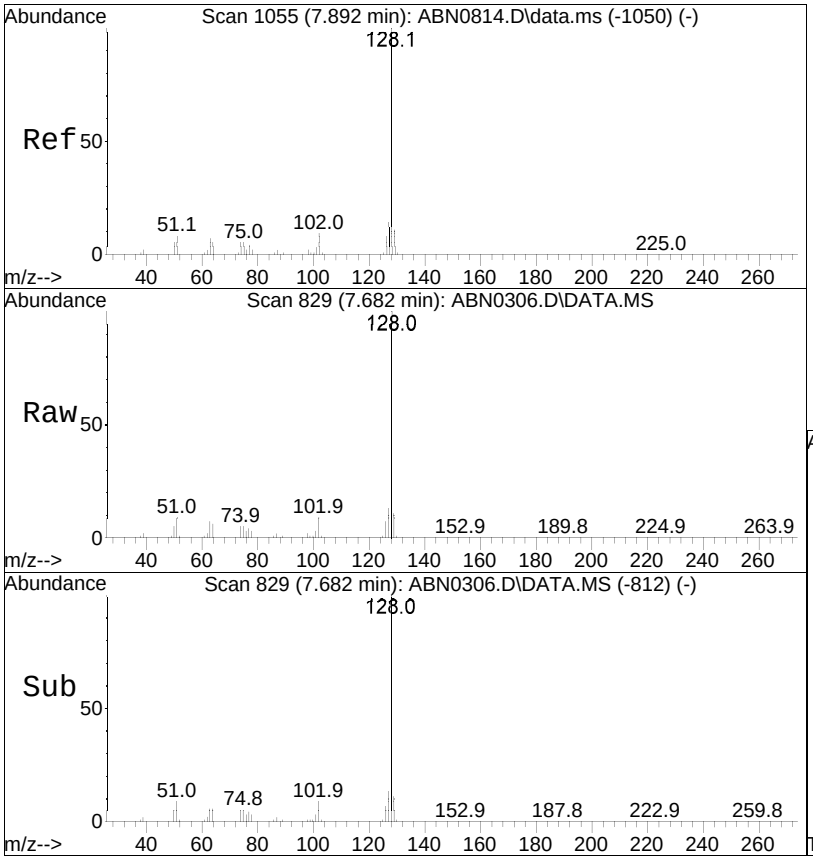


#26
1,2,4-Trichlorobenzene
Concen: 4.75 ug/ml
RT: 7.617 min Scan# 820
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:180 Resp: 196252

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	26.1	25.7	38.5

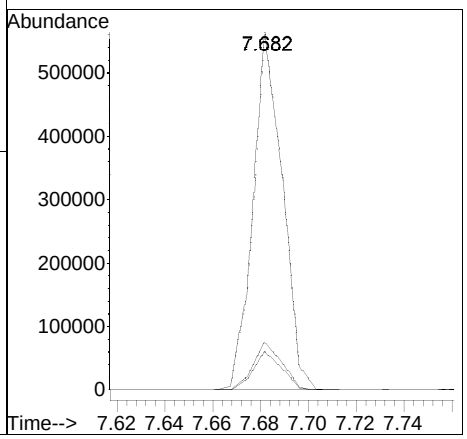


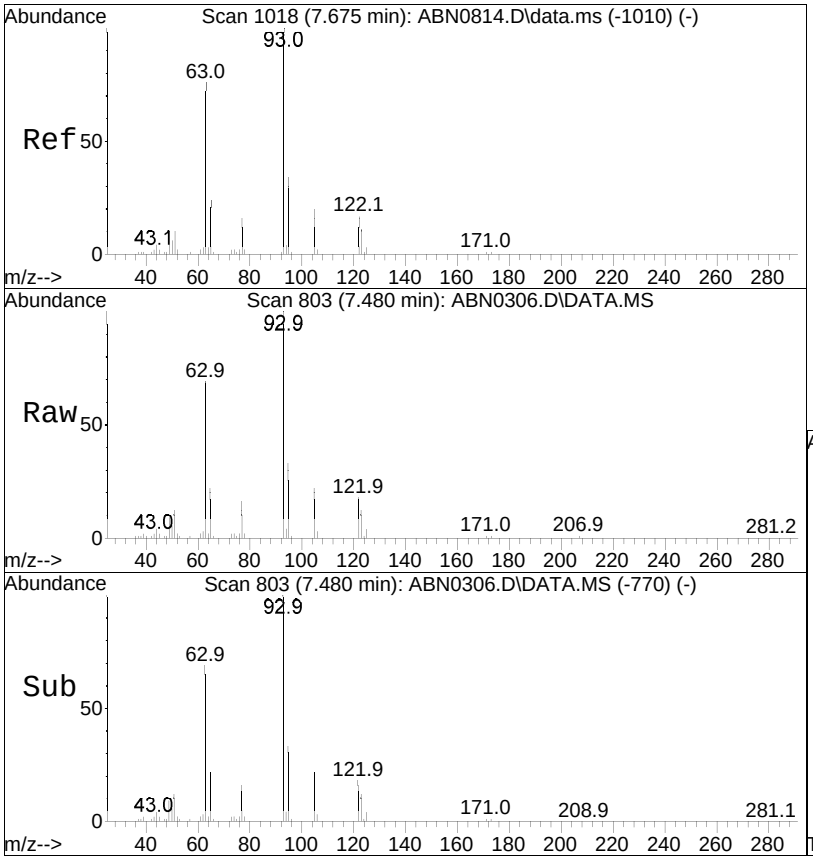


#36
Naphthalene
Concen: 4.70 ug/ml
RT: 7.682 min Scan# 829
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:128 Resp: 475451

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.3	10.3	15.5

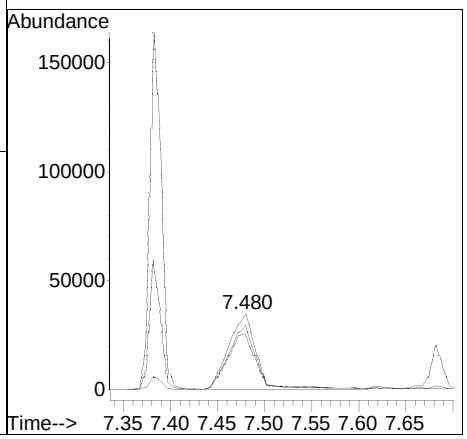


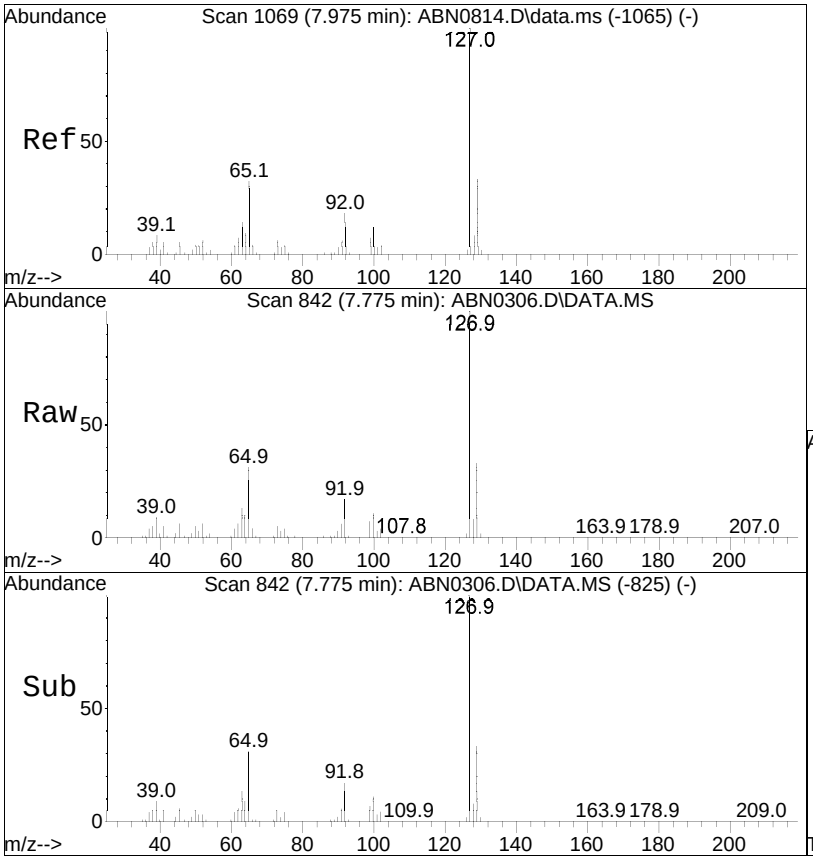


#37
Benzoic Acid
Concen: 4.48 ug/ml
RT: 7.480 min Scan# 803
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:105 Resp: 59691

Ion	Ratio	Lower	Upper
105	100		
122	86.1	59.9	89.9
77	79.3	60.1	90.1

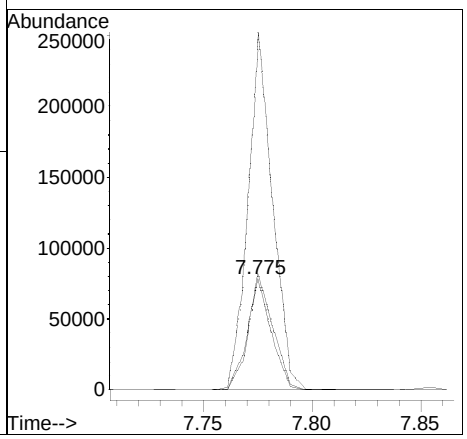


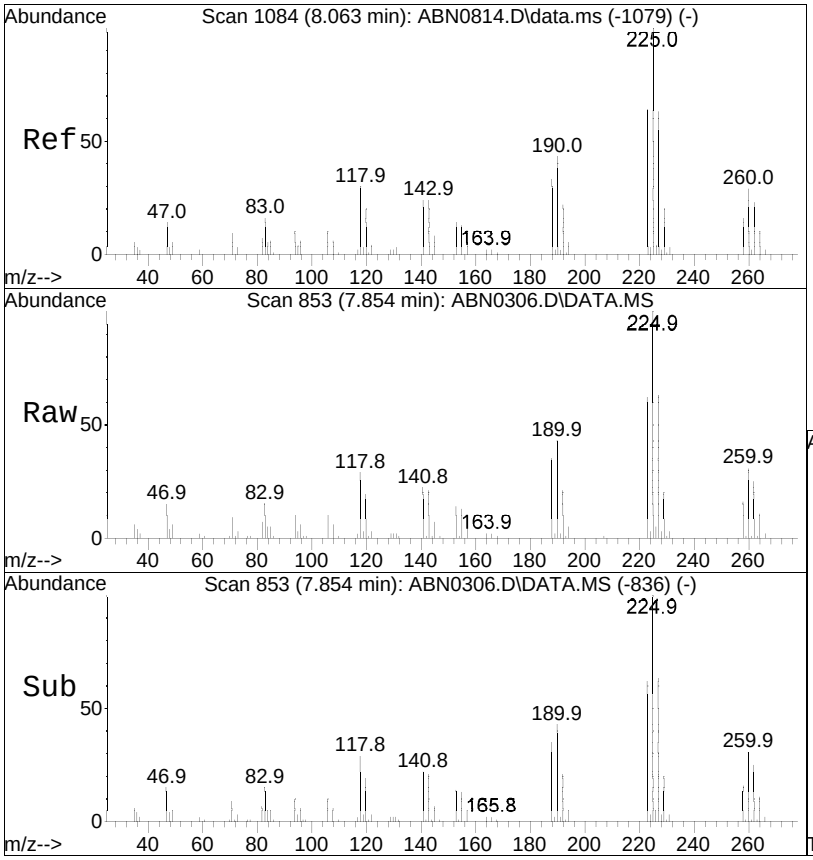


#38
4-Chloroaniline
Concen: 4.71 ug/ml
RT: 7.775 min Scan# 842
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 65 Resp: 60217

Ion	Ratio	Lower	Upper
65	100		
127	327.3	237.6	356.4
129	106.6	76.3	114.5

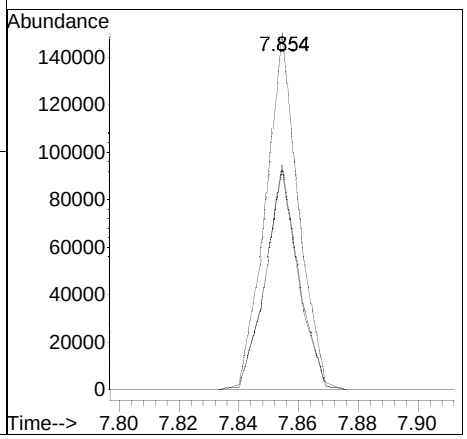


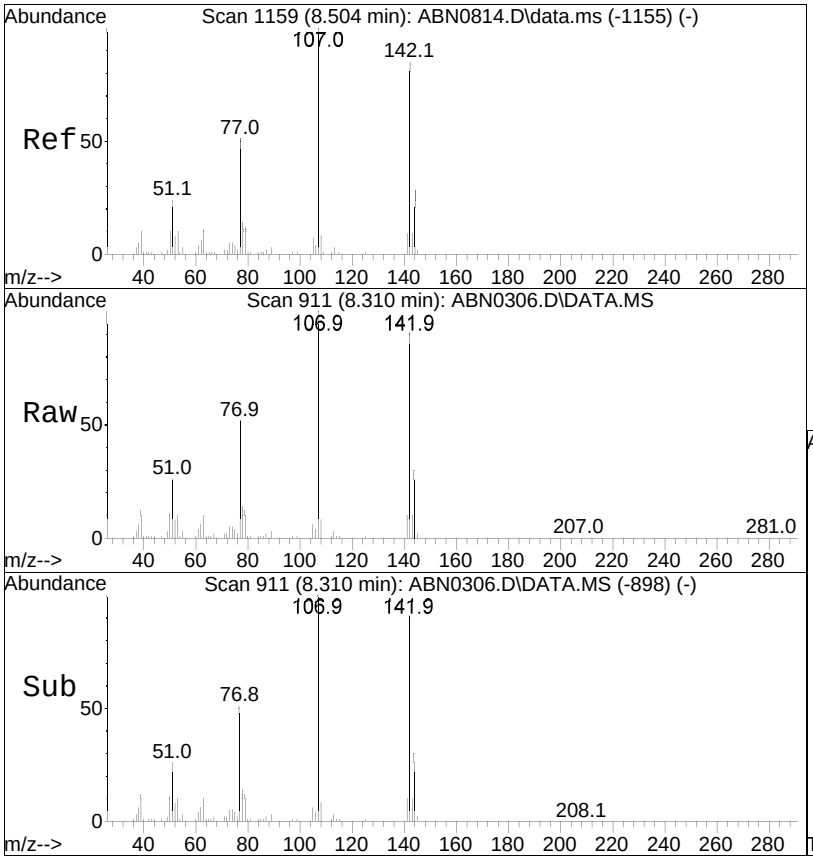


#39
Hexachlorobutadiene
Concen: 4.70 ug/ml
RT: 7.854 min Scan# 853
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:225 Resp: 114275

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.3	75.5
227	63.0	52.2	78.2

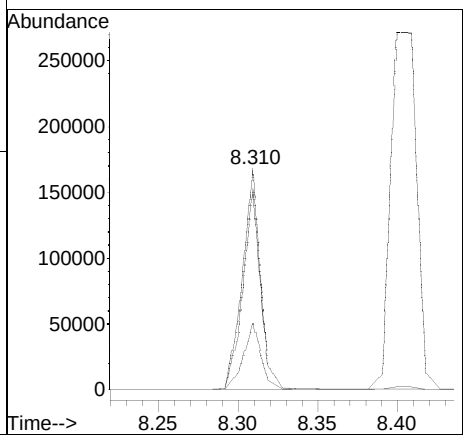


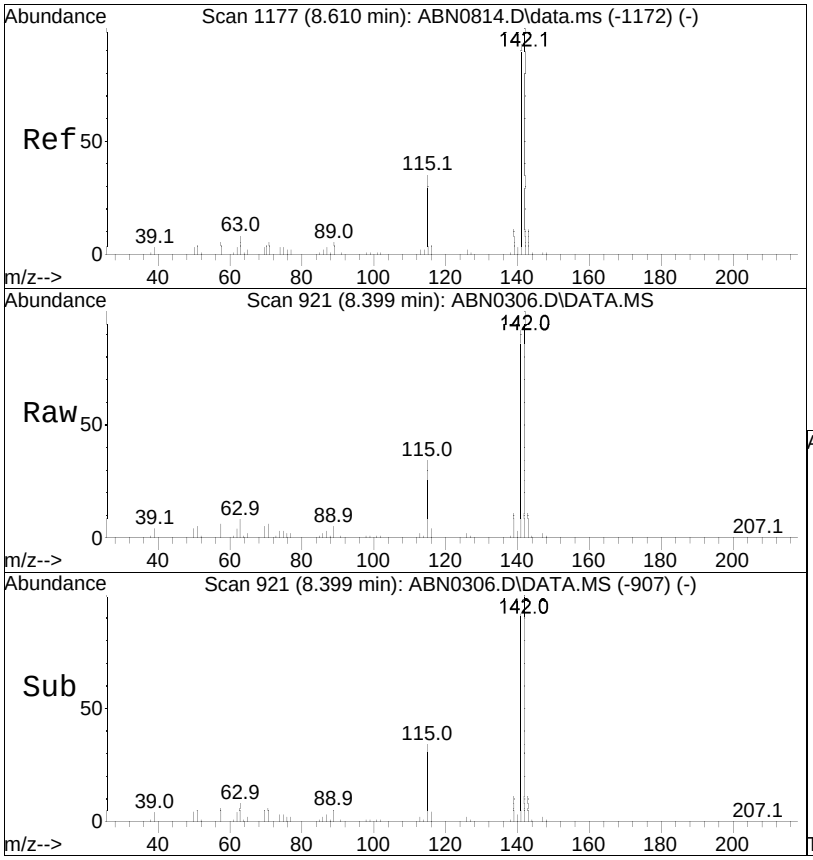


#40
p-Chloro-m-cresol
Concen: 4.90 ug/ml
RT: 8.310 min Scan# 911
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:107 Resp: 131912

Ion	Ratio	Lower	Upper
107	100		
144	29.2	20.9	31.3
142	89.0	66.1	99.1

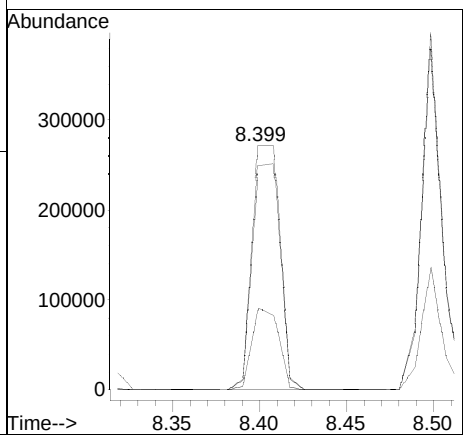


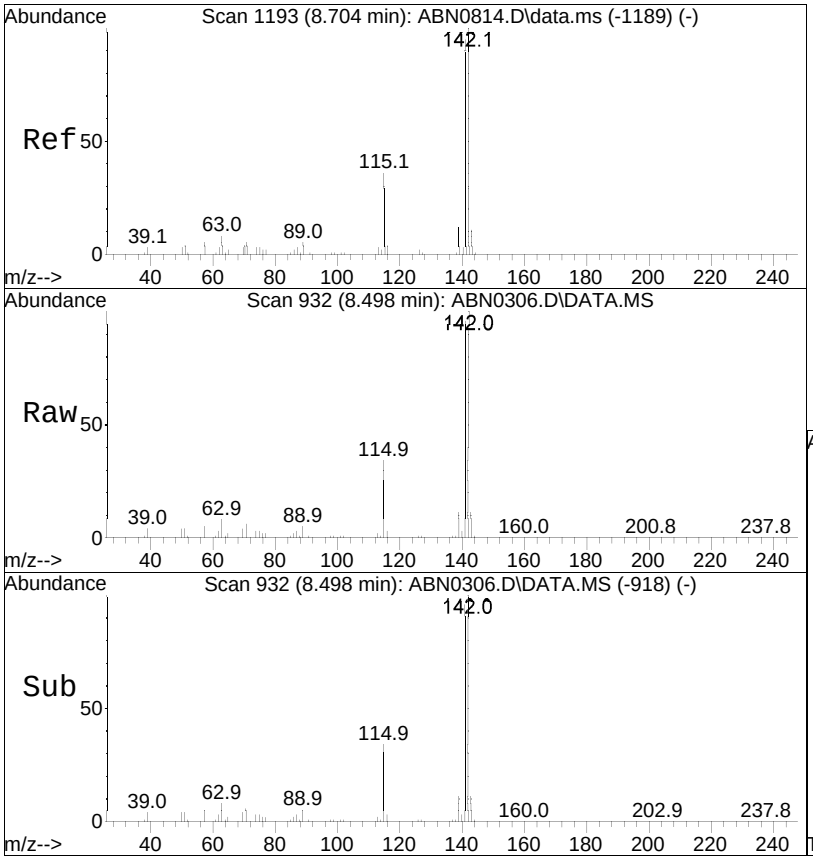


#41
2-Methylnaphthalene
Concen: 4.74 ug/ml
RT: 8.399 min Scan# 921
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:142 Resp: 306366

Ion	Ratio	Lower	Upper
142	100		
141	92.1	69.6	104.4
115	32.0	26.6	40.0

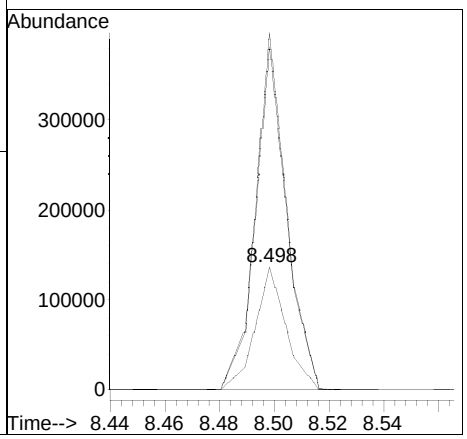


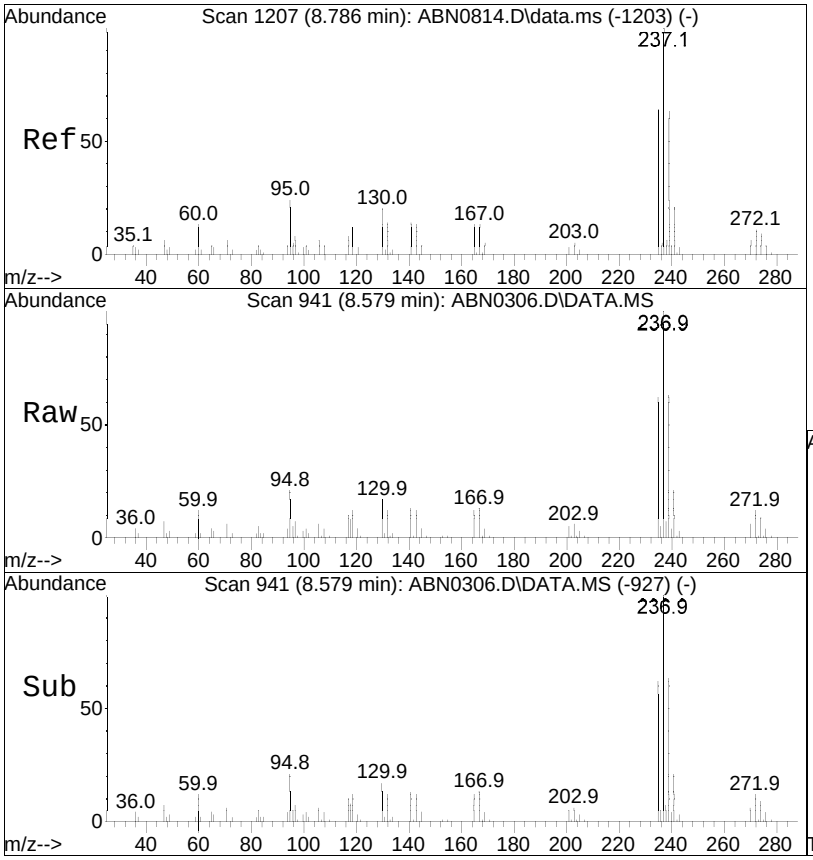


#42
1-Methylnaphthalene
Concen: 4.61 ug/ml
RT: 8.498 min Scan# 932
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:115 Resp: 106942

Ion	Ratio	Lower	Upper
115	100		
141	279.3	207.8	311.6
142	291.8	226.8	340.2

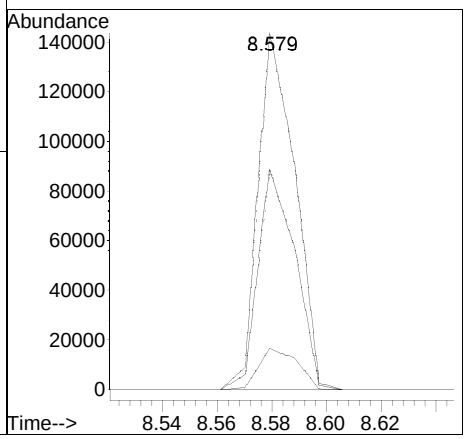


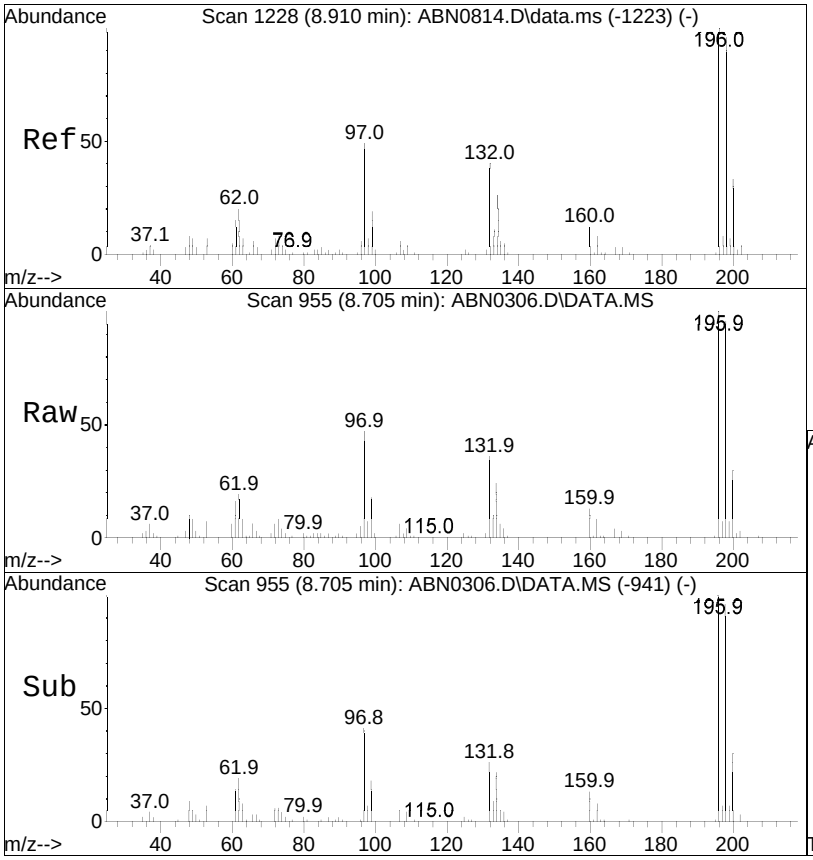


#43
Hexachlorocyclopentadiene
Concen: 4.88 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:237 Resp: 133499

Ion	Ratio	Lower	Upper
237	100		
235	62.4	49.7	74.5
272	12.5	9.8	14.6

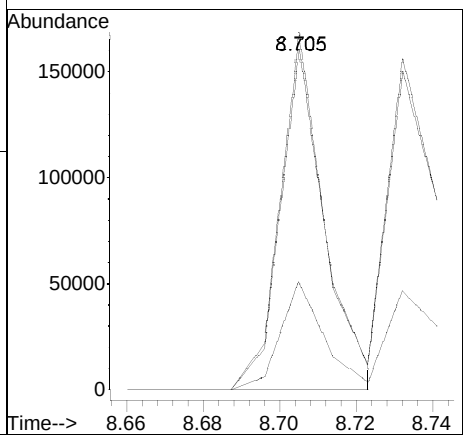


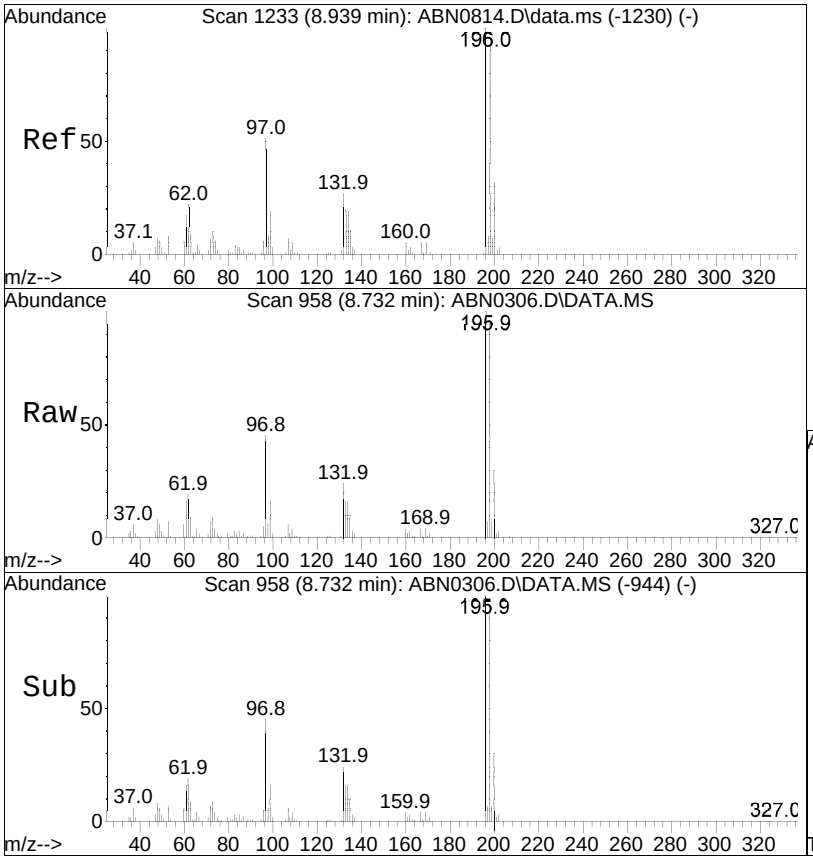


#44
2,4,6-Trichlorophenol
Concen: 5.17 ug/ml
RT: 8.705 min Scan# 955
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:196 Resp: 134769

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.5	116.3
200	30.6	23.8	35.6

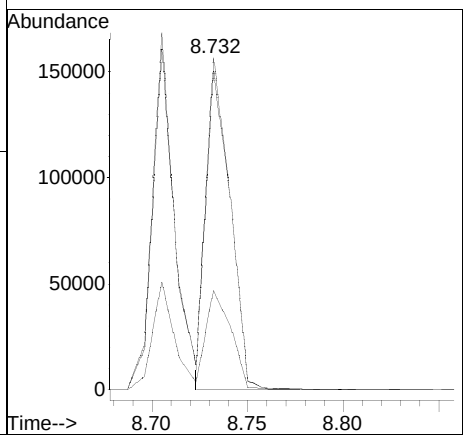


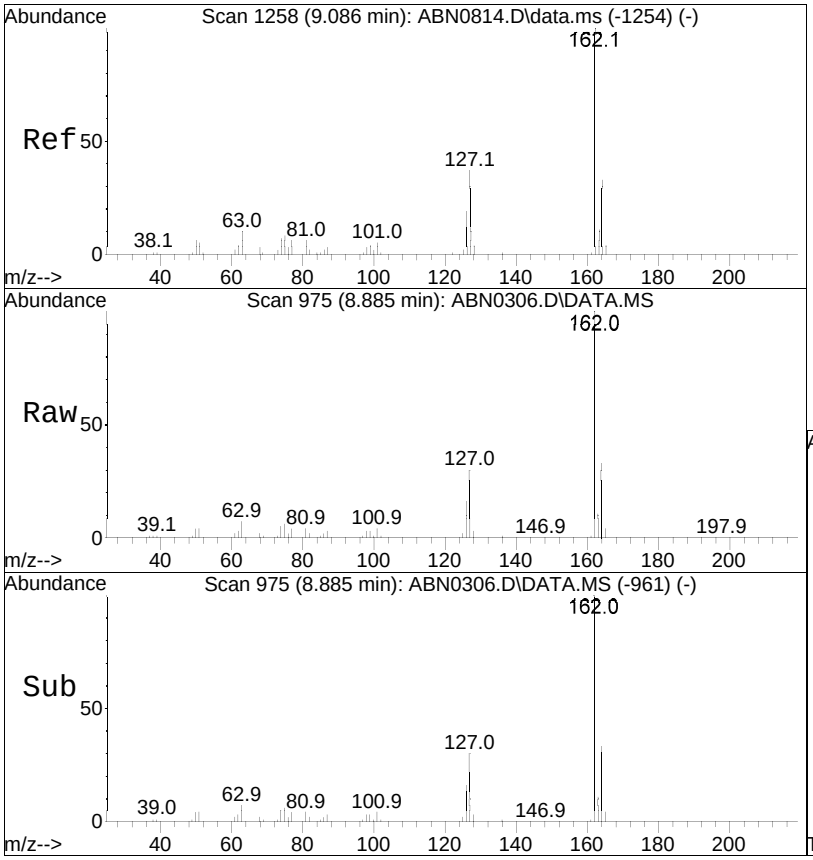


#45
2,4,5-Trichlorophenol
Concen: 5.01 ug/ml
RT: 8.732 min Scan# 958
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:196 Resp: 135895

Ion	Ratio	Lower	Upper
196	100		
200	31.4	25.4	38.0
198	97.7	78.0	117.0

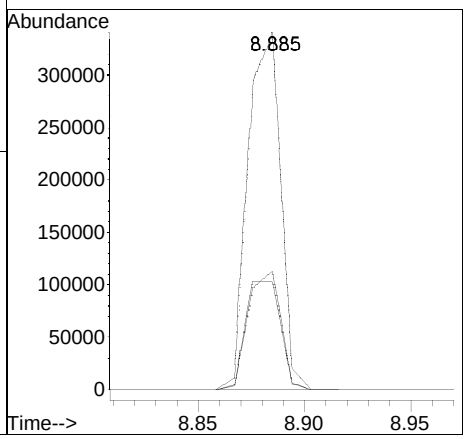


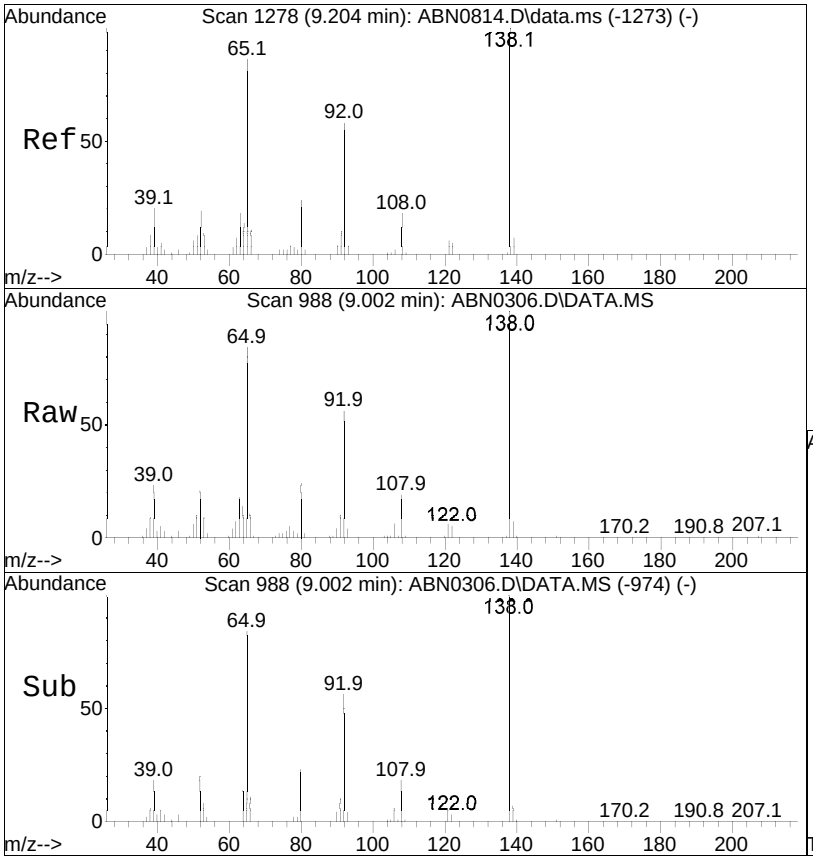


#47
2-Chloronaphthalene
Concen: 4.59 ug/ml
RT: 8.885 min Scan# 975
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:162 Resp: 358882

Ion	Ratio	Lower	Upper
162	100		
127	32.6	32.2	48.4
164	33.2	25.7	38.5

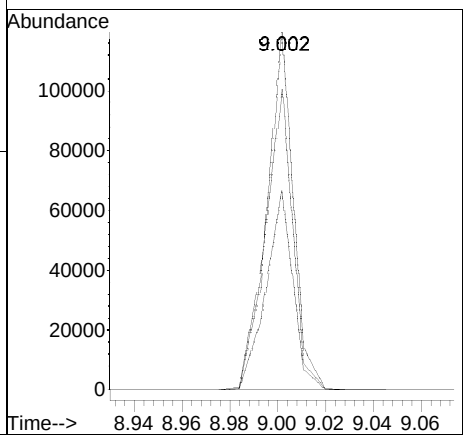


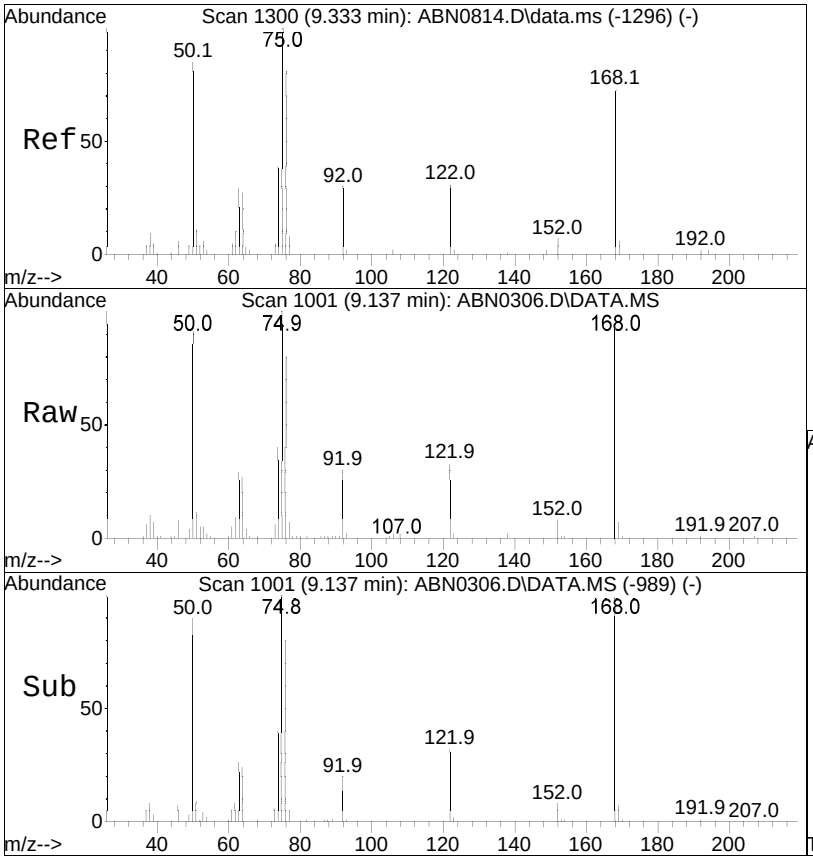


#48
2-Nitroaniline
Concen: 4.74 ug/ml
RT: 9.002 min Scan# 988
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:138 Resp: 90627

Ion	Ratio	Lower	Upper
138	100		
92	57.4	53.5	80.3
65	88.5	86.3	129.5

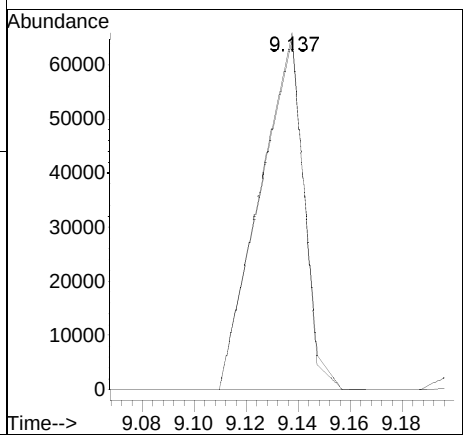


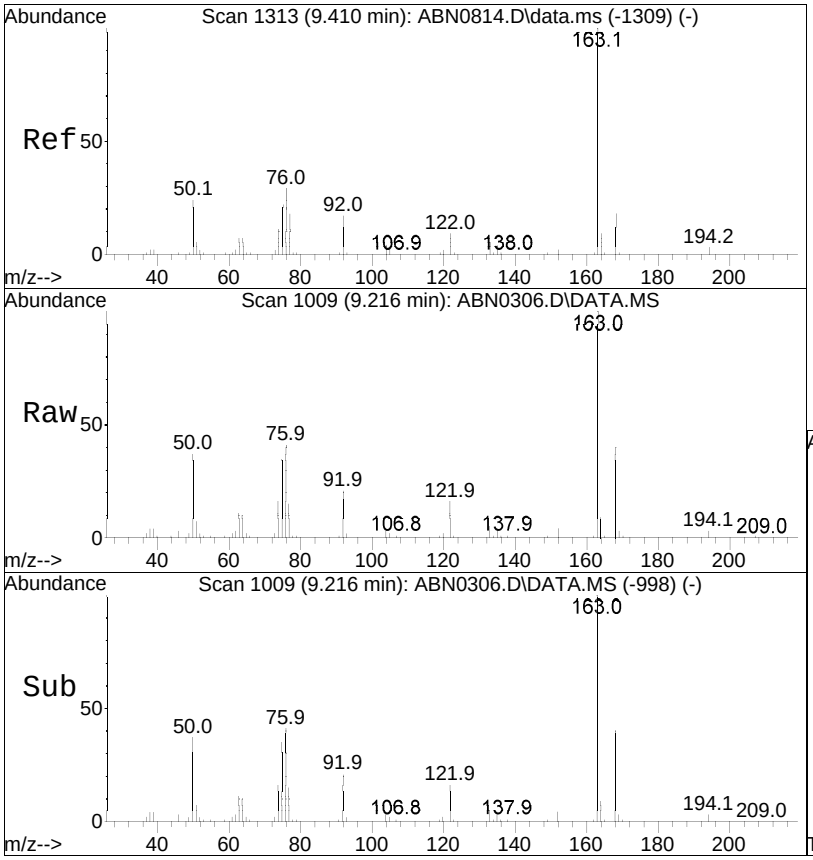


#49
1,4-Dinitrobenzene
Concen: 3.98 ug/ml
RT: 9.137 min Scan# 1001
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:168 Resp: 56400

Ion	Ratio	Lower	Upper
168	100		
75	99.4	121.8	182.8#

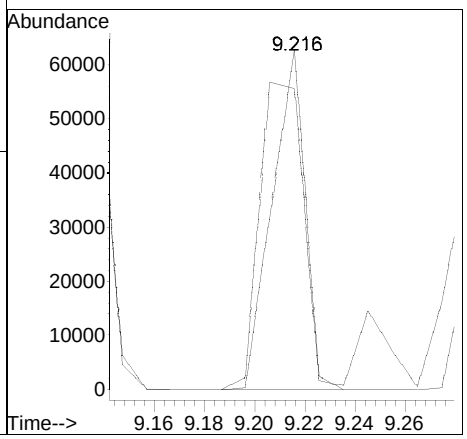


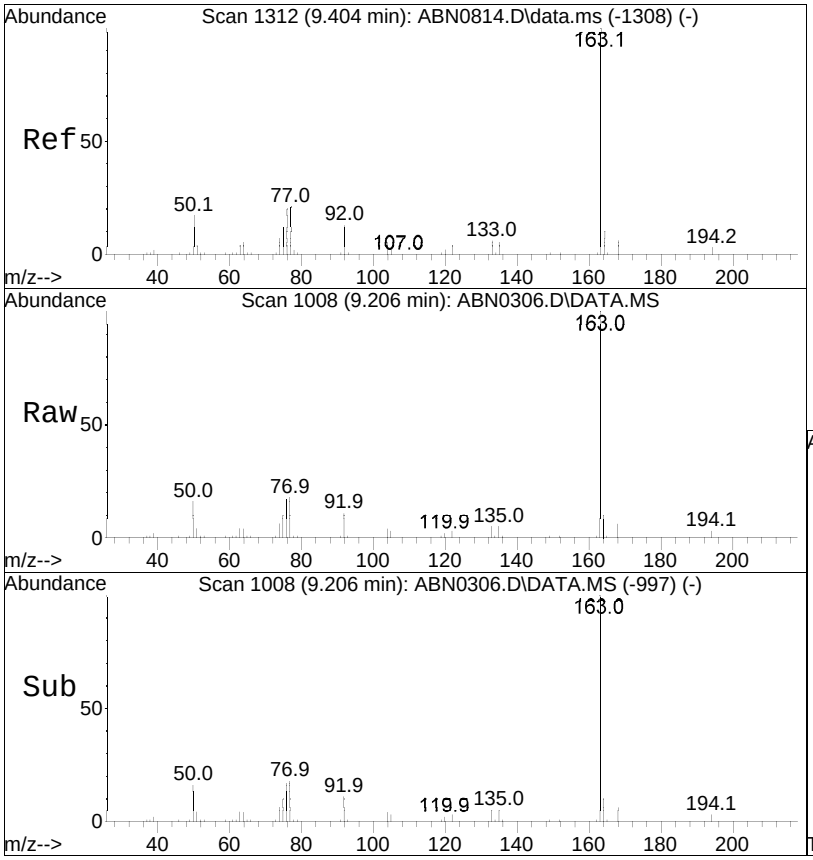


#50
1,3-Dinitrobenzene
Concen: 4.56 ug/ml
RT: 9.216 min Scan# 1009
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:168 Resp: 57261

Ion	Ratio	Lower	Upper
168	100		
75	120.0	22.7	34.1#

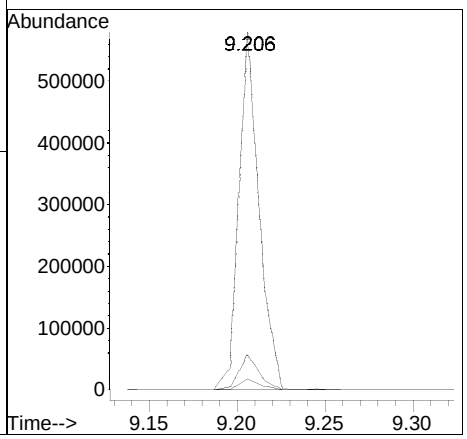


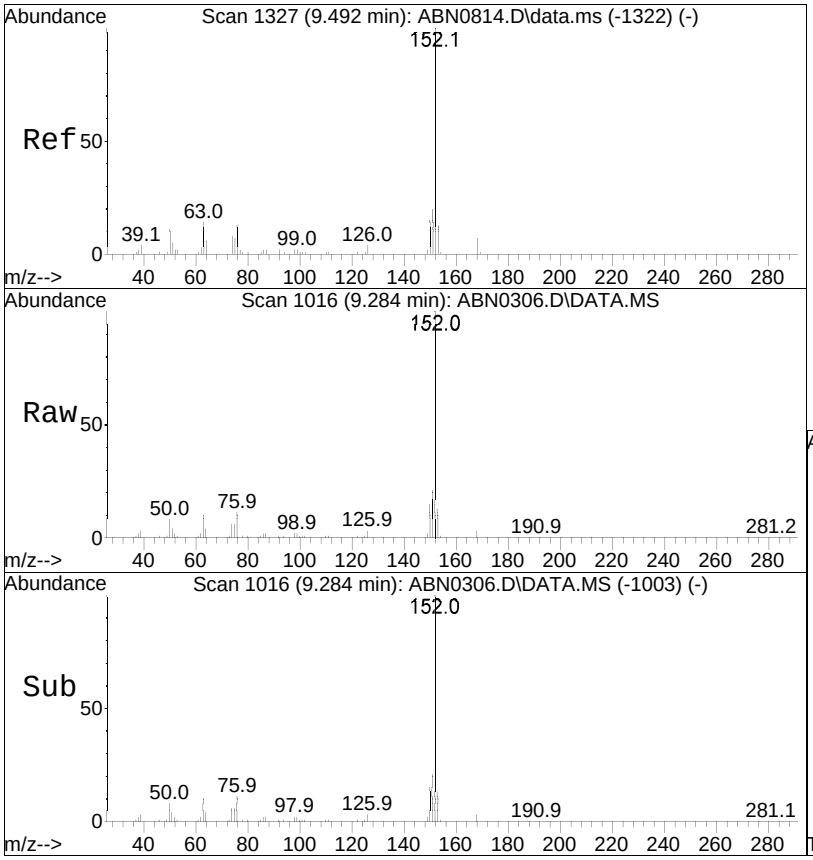


#51
Dimethyl phthalate
Concen: 4.79 ug/ml
RT: 9.206 min Scan# 1008
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:163 Resp: 454711

Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.5	5.3#
164	9.9	7.9	11.9

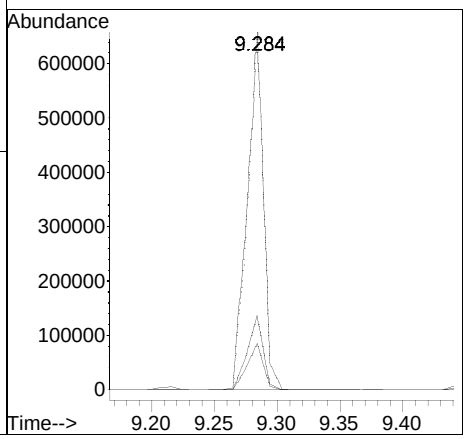


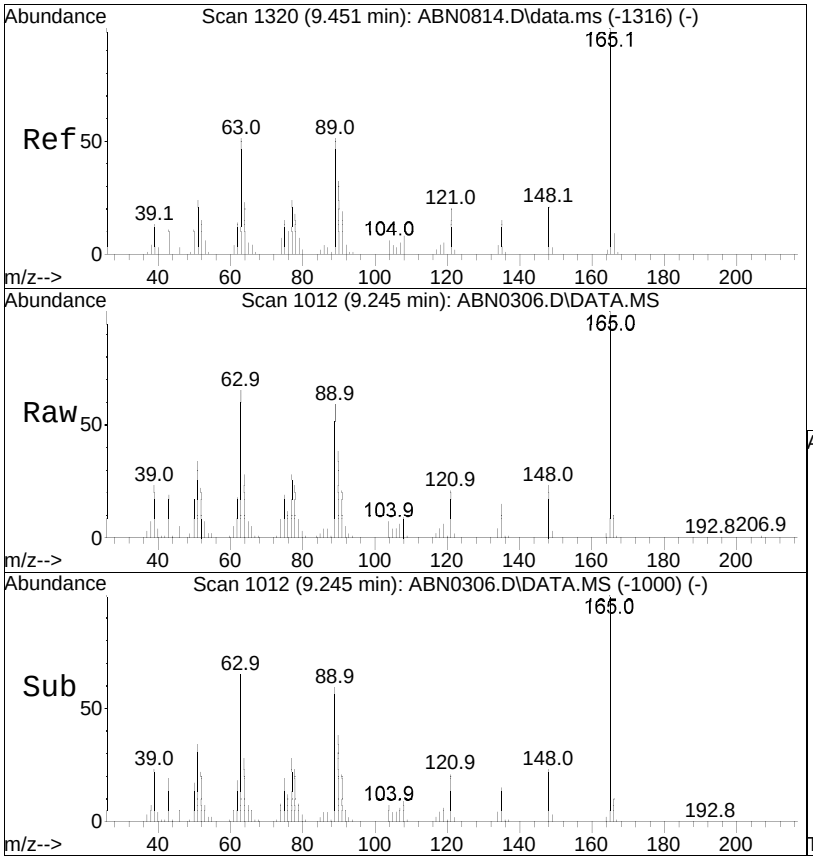


#52
Acenaphthylene
Concen: 4.81 ug/ml
RT: 9.284 min Scan# 1016
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:152 Resp: 573969

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.6
153	13.3	10.5	15.7

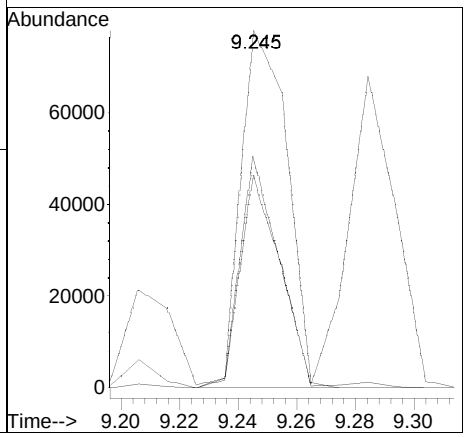


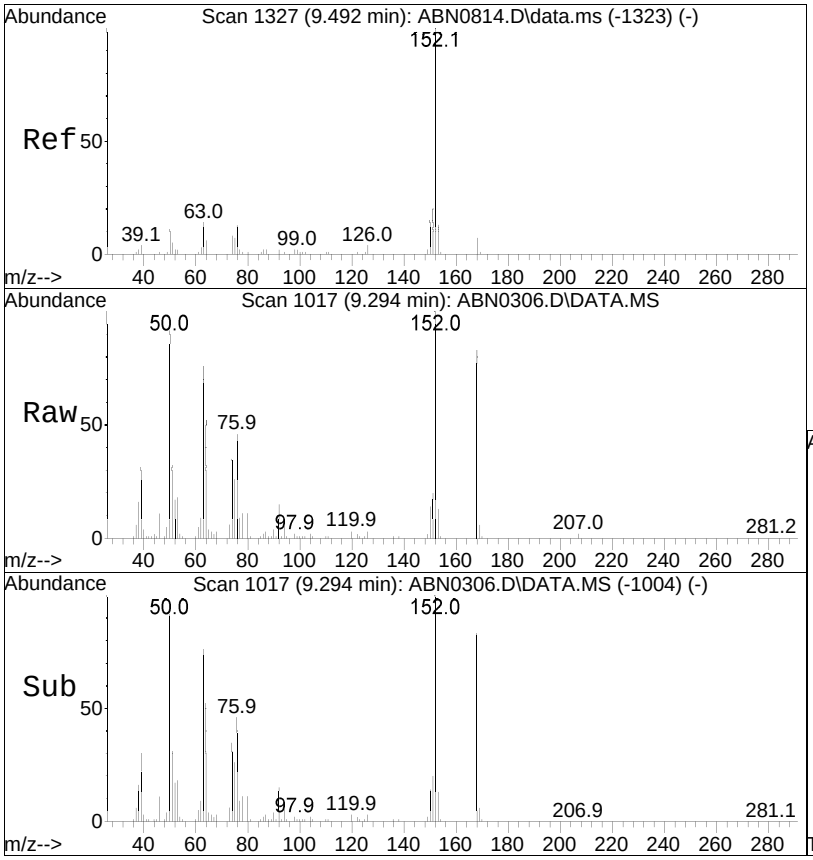


#53
2,6-Dinitrotoluene
Concen: 4.81 ug/ml
RT: 9.245 min Scan# 1012
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:165 Resp: 85459

Ion	Ratio	Lower	Upper
165	100		
89	52.6	54.2	81.2#
63	54.5	64.2	96.2#

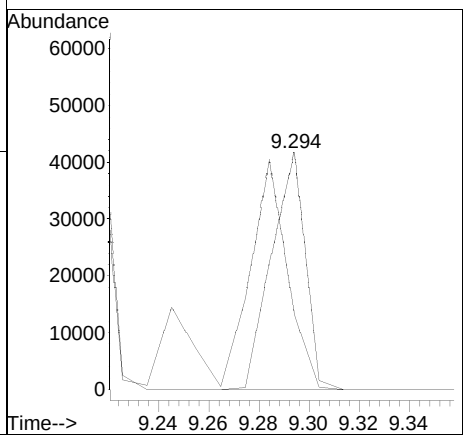


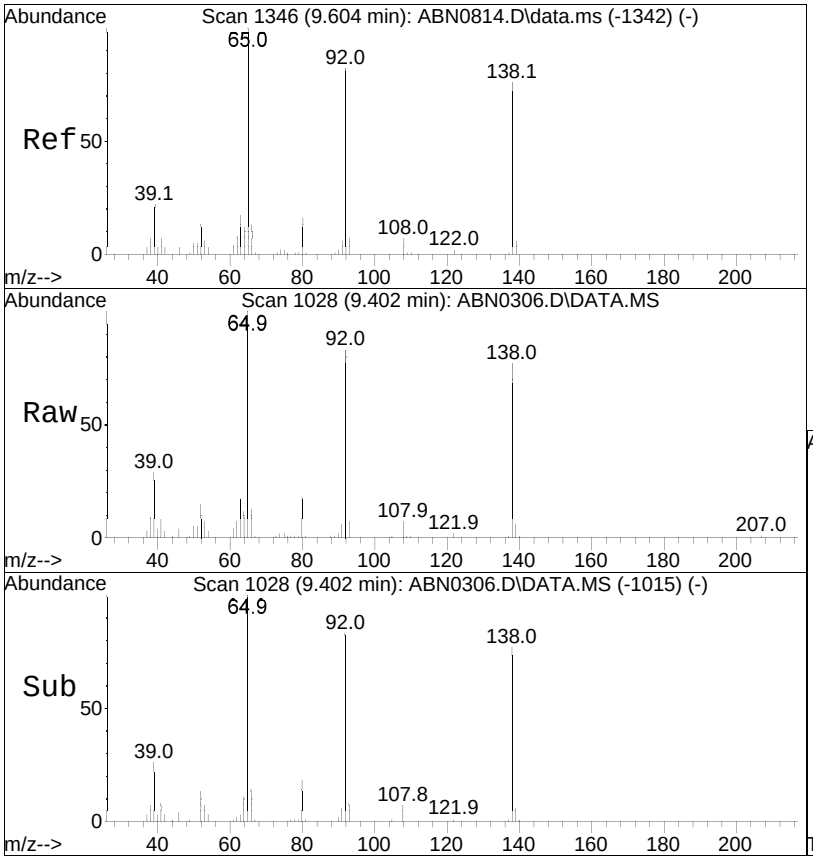


#54
1,2-Dinitrobenzene
Concen: 5.17 ug/ml
RT: 9.294 min Scan# 1017
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:168 Resp: 39042

Ion	Ratio	Lower	Upper
168	100		
75	105.2	30.9	46.3#

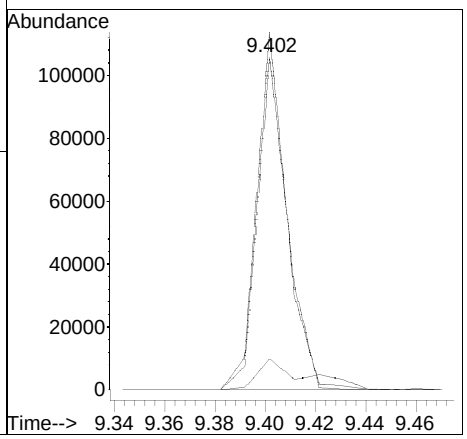


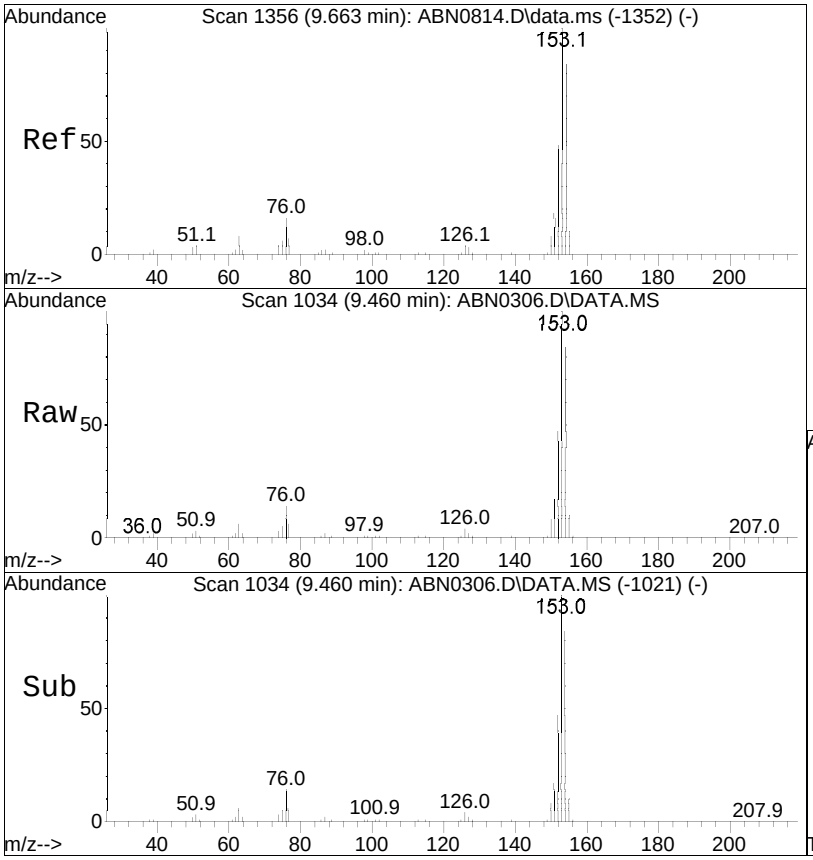


#64
3-Nitroaniline
Concen: 5.29 ug/ml
RT: 9.402 min Scan# 1028
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:138 Resp: 86645

Ion	Ratio	Lower	Upper
138	100		
92	106.3	93.4	140.2
108	15.2	9.5	14.3#

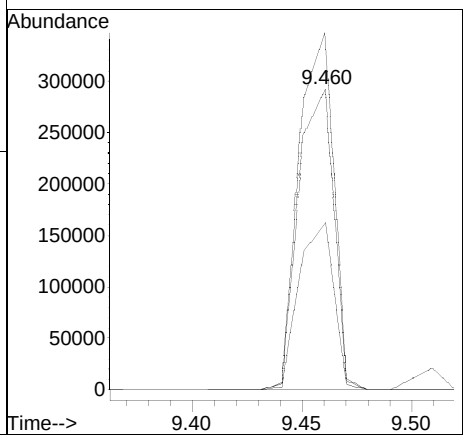


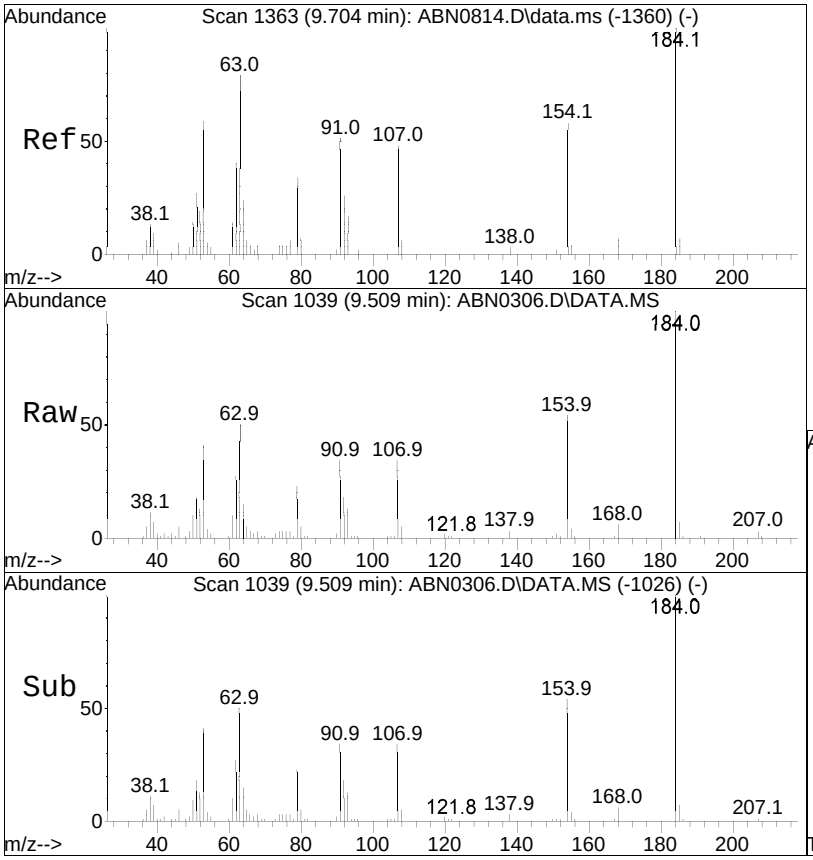


#65
Acenaphthene
Concen: 4.79 ug/ml
RT: 9.460 min Scan# 1034
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:154 Resp: 326276

Ion	Ratio	Lower	Upper
154	100		
153	116.8	85.3	127.9
152	55.3	41.4	62.0

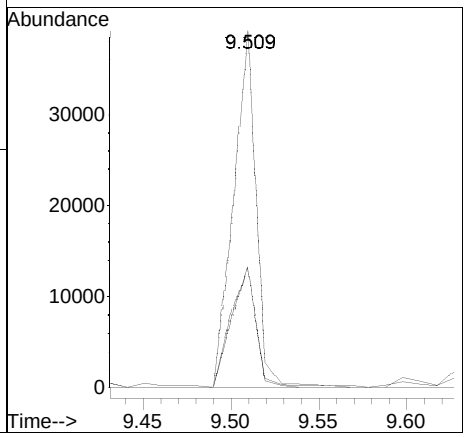


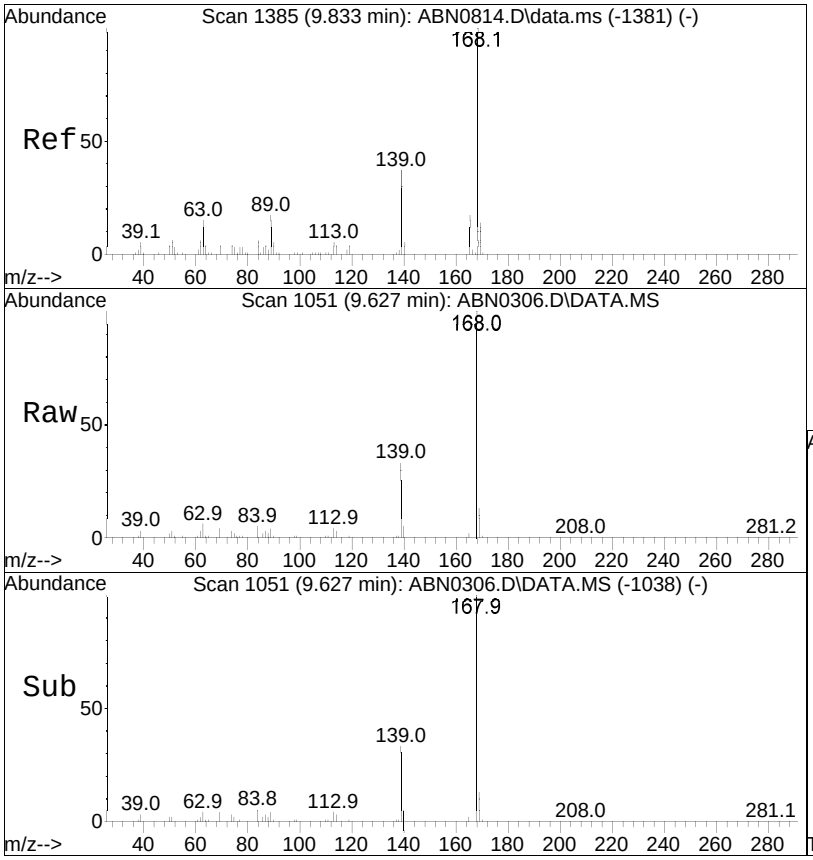


#66
2,4-Dinitrophenol
Concen: 4.04 ug/ml
RT: 9.509 min Scan# 1039
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:184 Resp: 34725

Ion	Ratio	Lower	Upper
184	100		
107	36.0	37.7	56.5#
91	39.2	46.3	69.5#

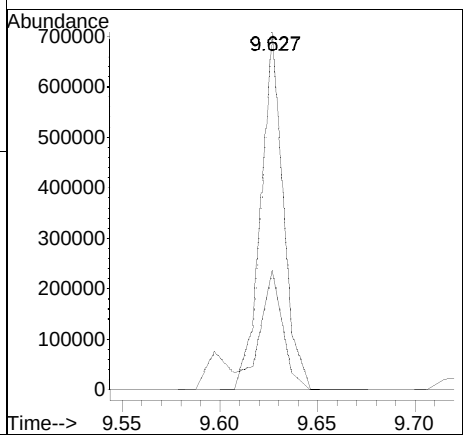


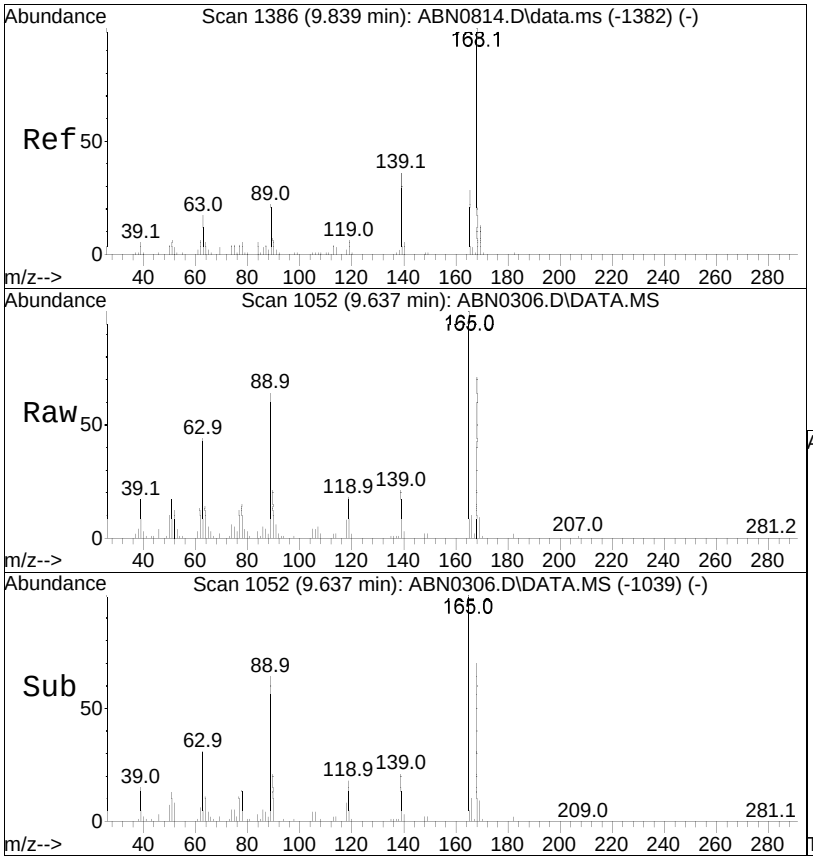


#67
Dibenzofuran
Concen: 4.78 ug/ml
RT: 9.627 min Scan# 1051
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:168 Resp: 556181

Ion	Ratio	Lower	Upper
168	100		
139	45.3	31.4	47.2

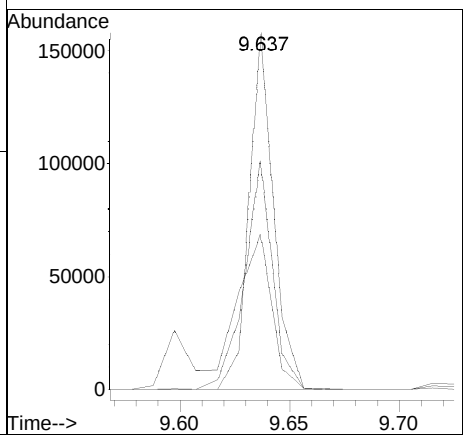


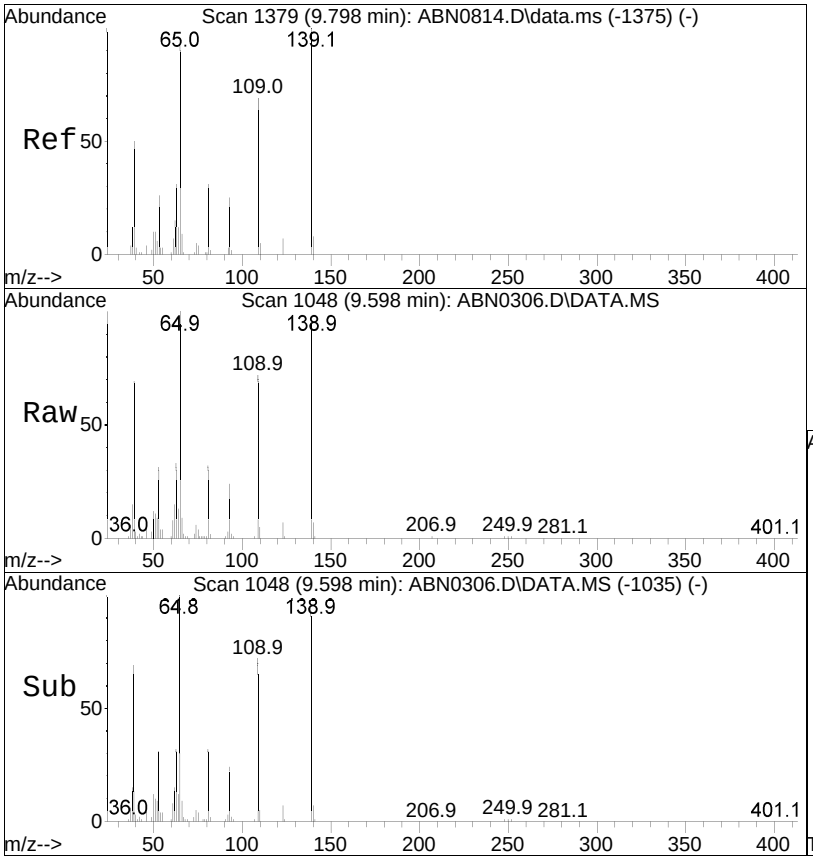


#68
2,4-Dinitrotoluene
Concen: 5.13 ug/ml
RT: 9.637 min Scan# 1052
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:165 Resp: 121899

Ion	Ratio	Lower	Upper
165	100		
89	74.1	72.0	108.0
63	80.6	52.7	79.1#

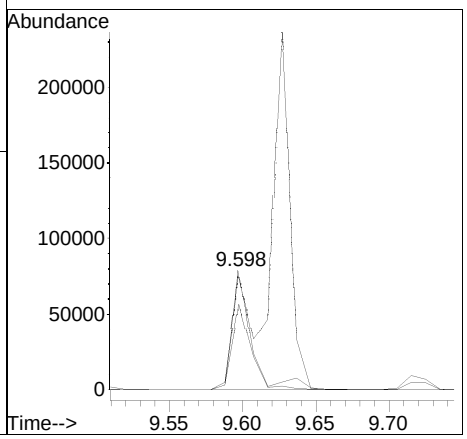


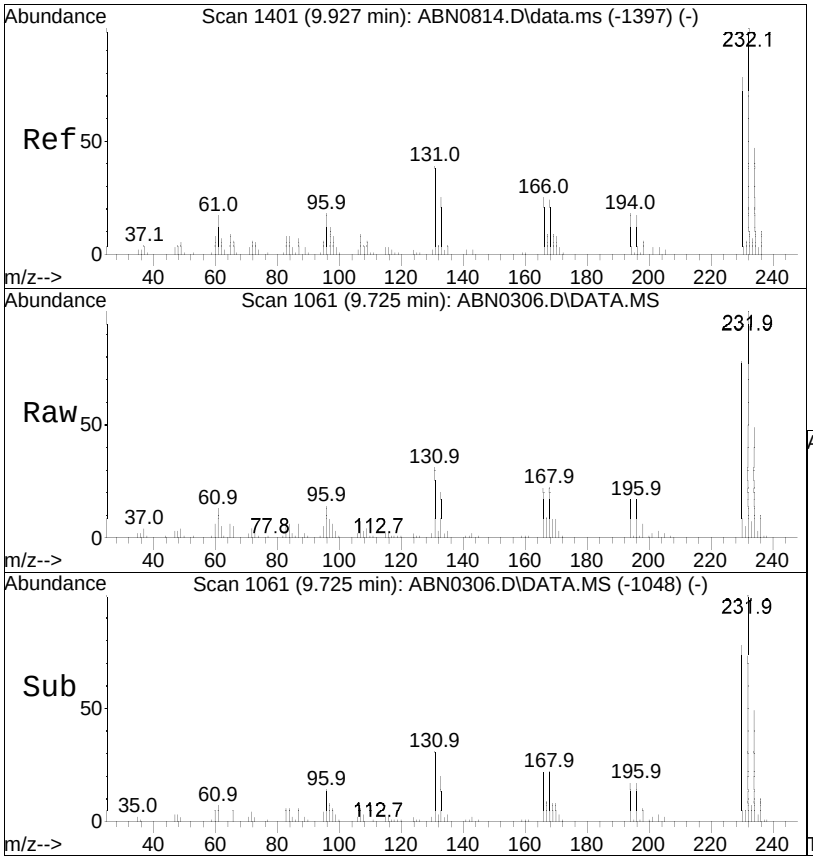


#69
4-Nitrophenol
Concen: 5.79 ug/ml
RT: 9.598 min Scan# 1048
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 65 Resp: 73019

Ion	Ratio	Lower	Upper
65	100		
109	70.1	47.4	71.2
139	345.1	76.6	115.0#

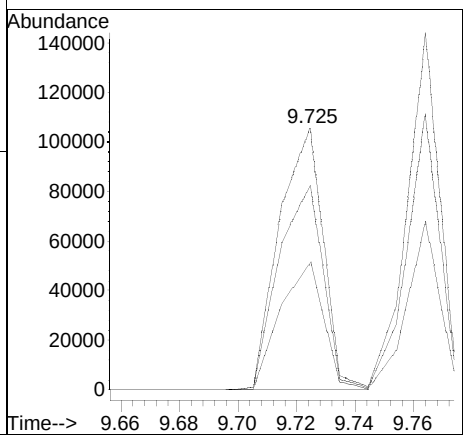


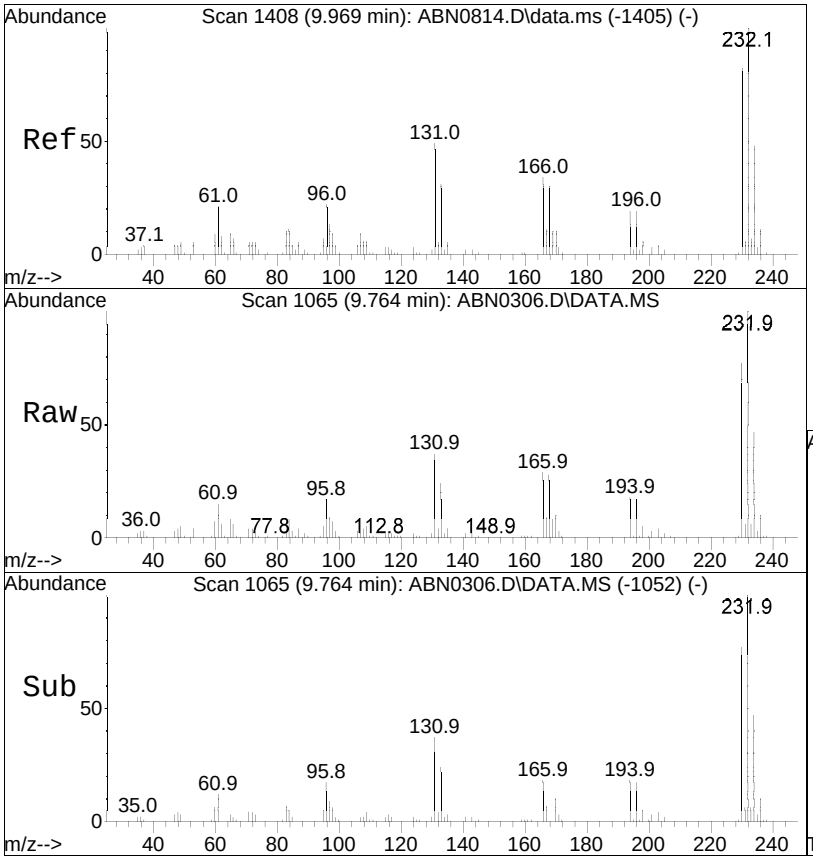


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.31 ug/ml
RT: 9.725 min Scan# 1061
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:232 Resp: 110370

Ion	Ratio	Lower	Upper
232	100		
230	79.1	64.2	96.4
234	48.1	38.1	57.1

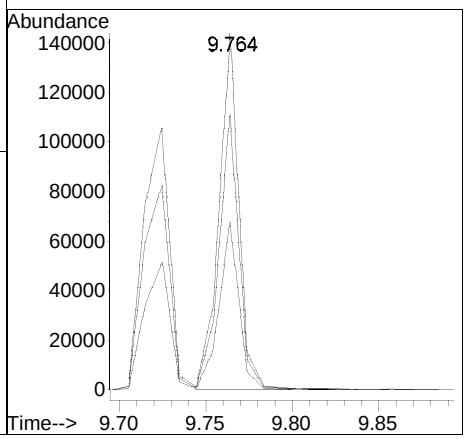


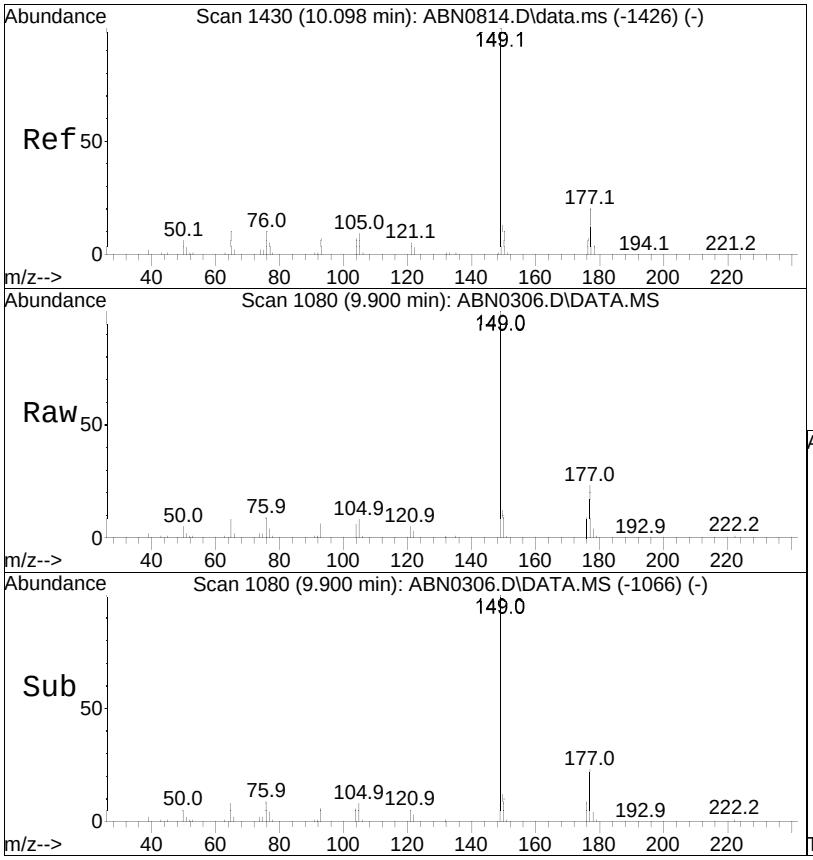


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.78 ug/ml
RT: 9.764 min Scan# 1065
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:232 Resp: 129333

Ion	Ratio	Lower	Upper
232	100		
230	73.2	61.8	92.8
234	49.7	36.2	54.2

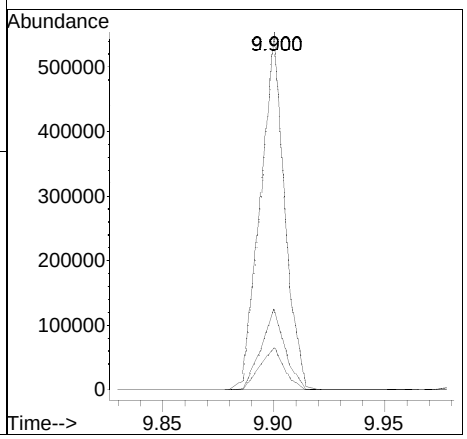


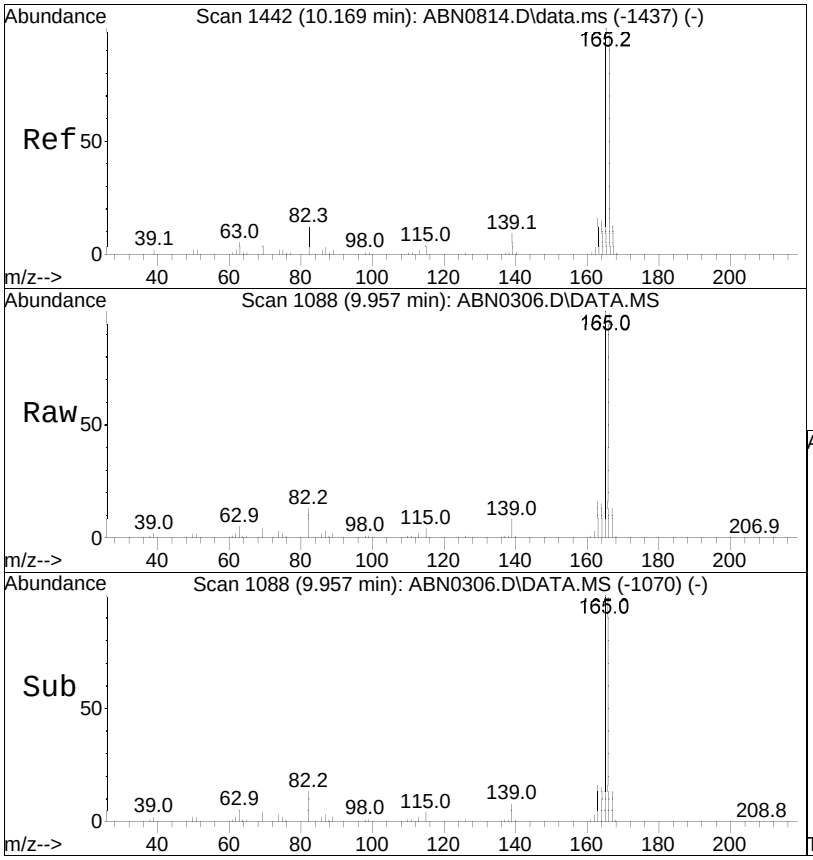


#72
Diethyl phthalate
Concen: 4.92 ug/ml
RT: 9.900 min Scan# 1080
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:149 Resp: 412972

Ion	Ratio	Lower	Upper
149	100		
177	22.5	16.1	24.1
150	12.2	9.4	14.2

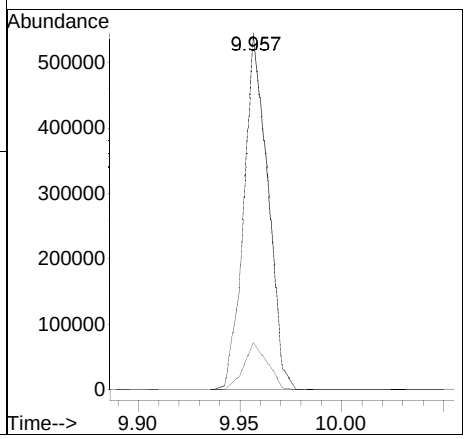


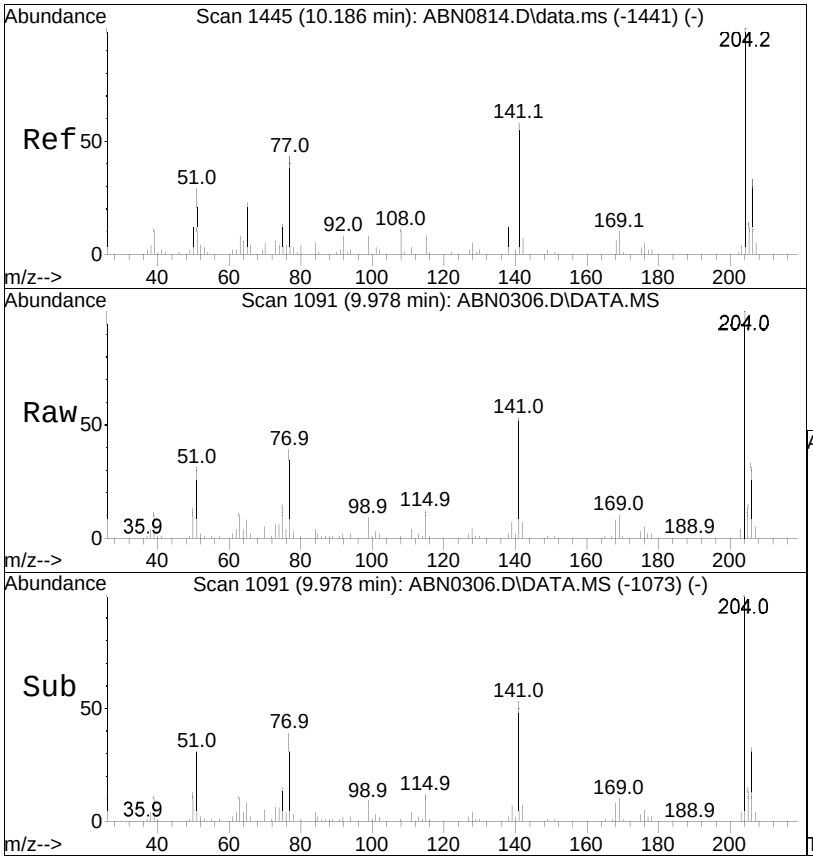


#73
Fluorene
Concen: 4.92 ug/ml
RT: 9.957 min Scan# 1088
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:166 Resp: 443363

Ion	Ratio	Lower	Upper
166	100		
165	101.4	76.2	114.2
167	13.5	10.6	15.8

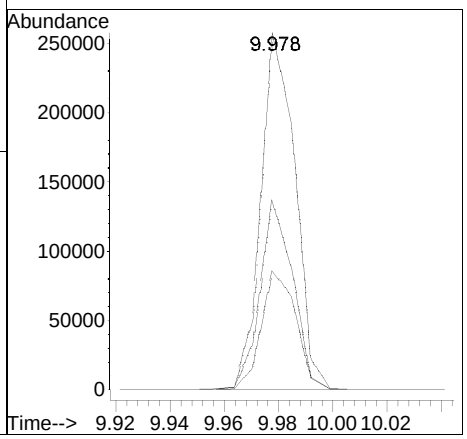


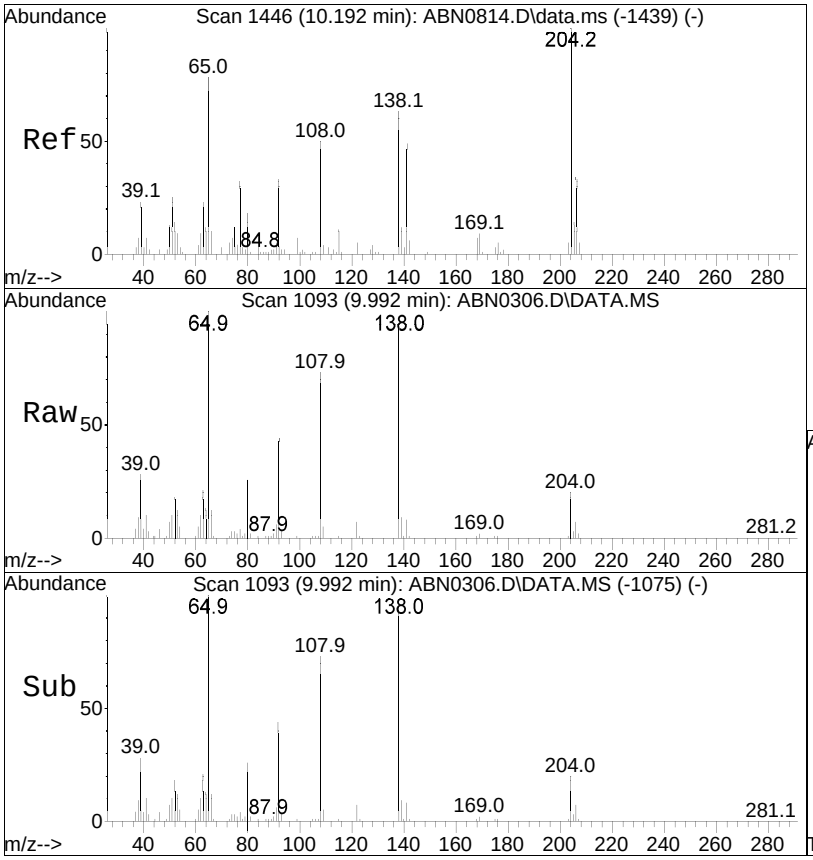


#74
4-Chlorophenyl phenyl ether
Concen: 4.82 ug/ml
RT: 9.978 min Scan# 1091
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:204 Resp: 222684

Ion	Ratio	Lower	Upper
204	100		
206	33.8	25.8	38.6
141	51.1	53.6	80.4#

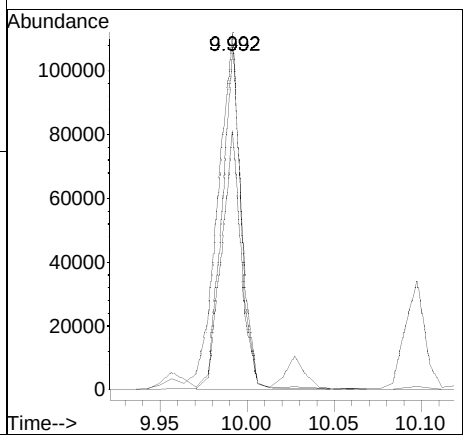


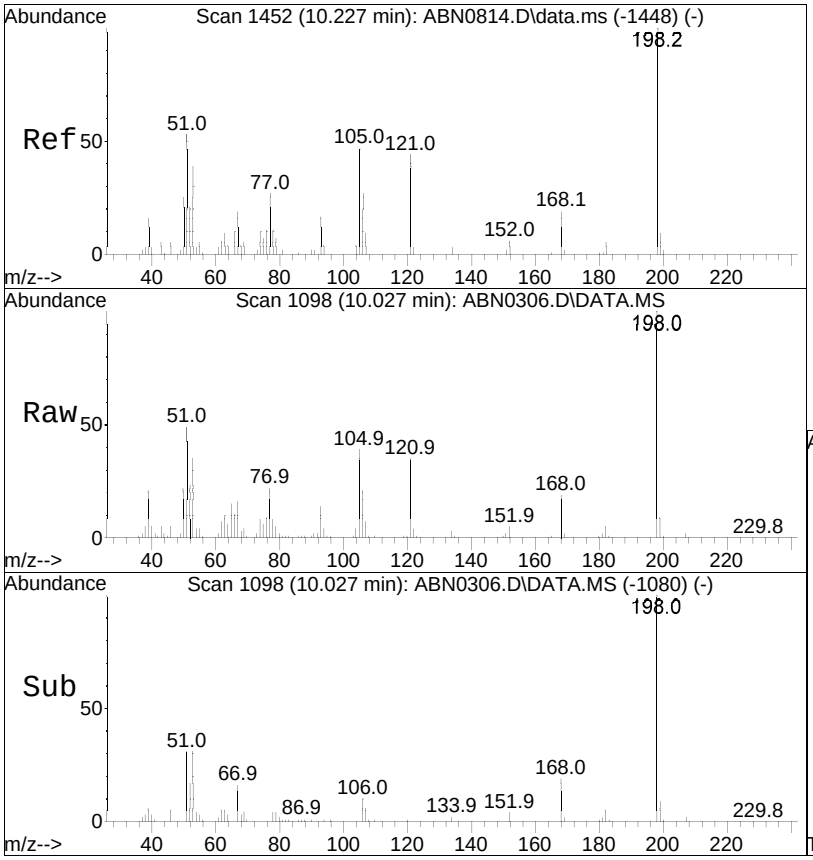


#75
4-Nitroaniline
Concen: 5.39 ug/ml
RT: 9.992 min Scan# 1093
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:138 Resp: 83535

Ion	Ratio	Lower	Upper
138	100		
108	76.5	52.1	78.1
65	123.9	115.0	172.6

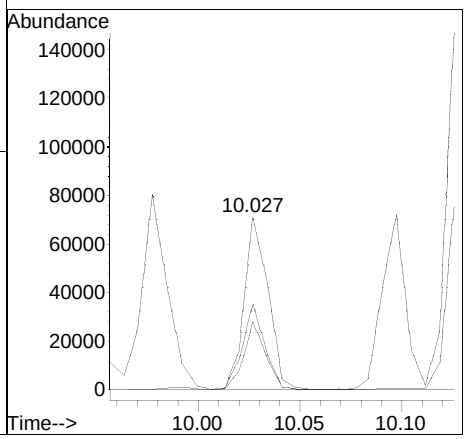


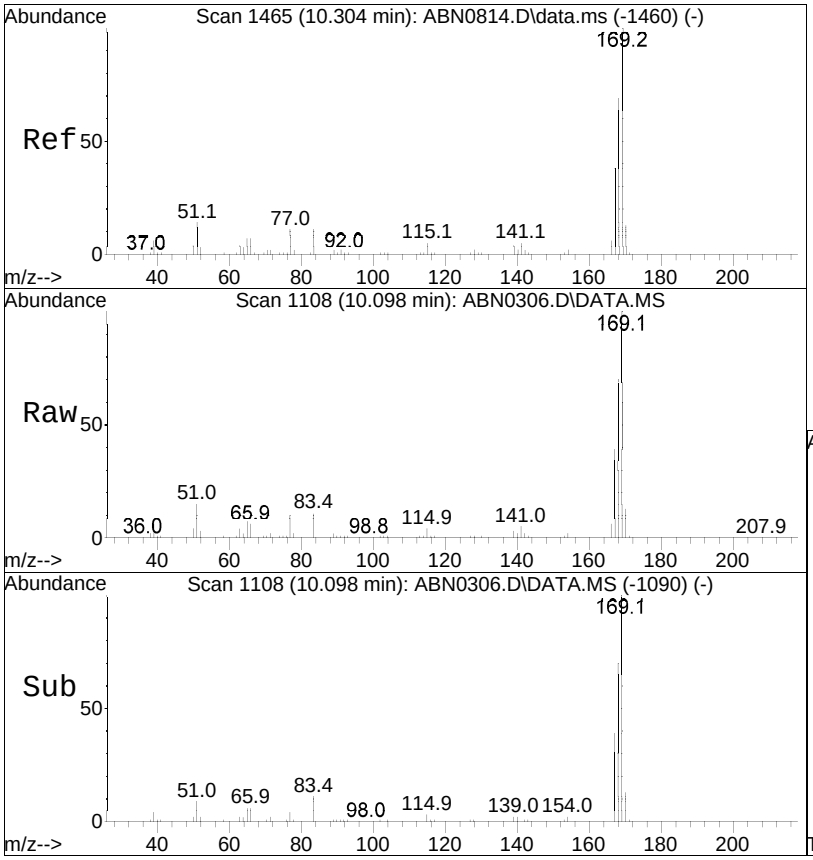


#76
4,6-Dinitro-o-cresol
Concen: 4.29 ug/ml
RT: 10.027 min Scan# 1098
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:198 Resp: 58713

Ion	Ratio	Lower	Upper
198	100		
51	45.5	76.0	114.0#
105	36.7	45.6	68.4#

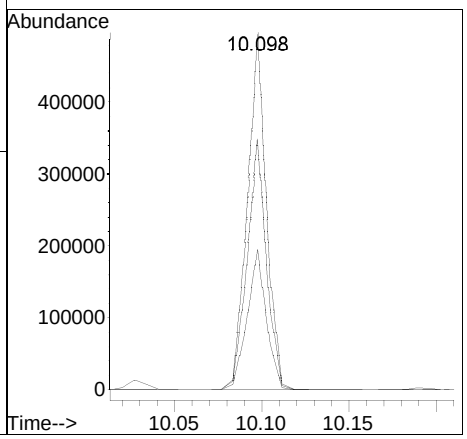


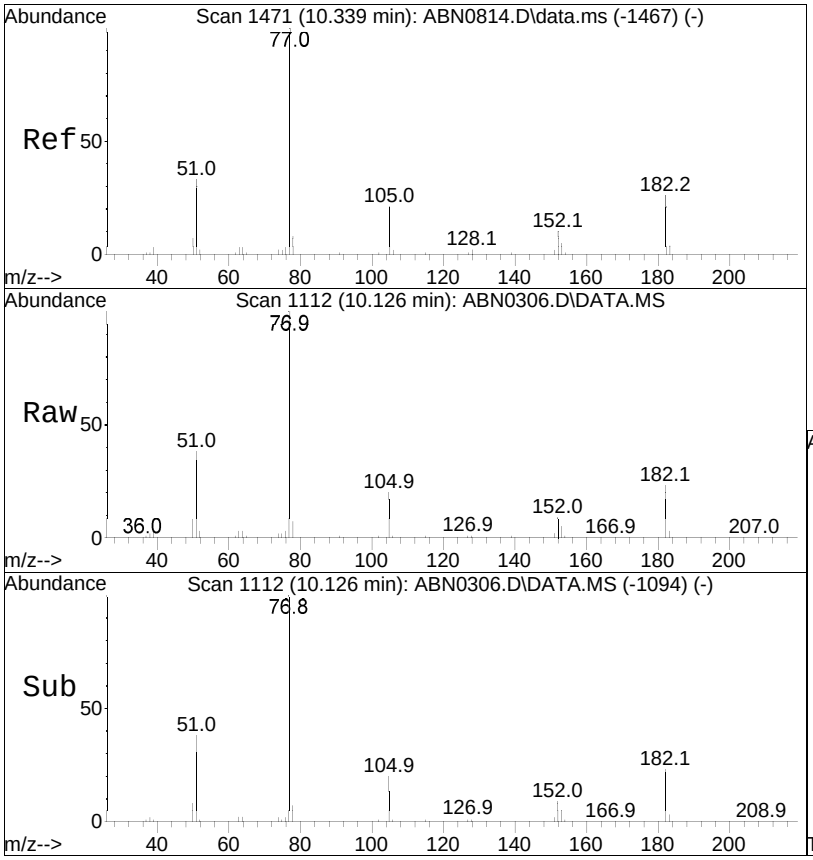


#77
NDPA/DPA
Concen: 4.94 ug/ml
RT: 10.098 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:169 Resp: 373396

Ion	Ratio	Lower	Upper
169	100		
168	71.6	54.0	81.0
167	40.2	28.6	42.8

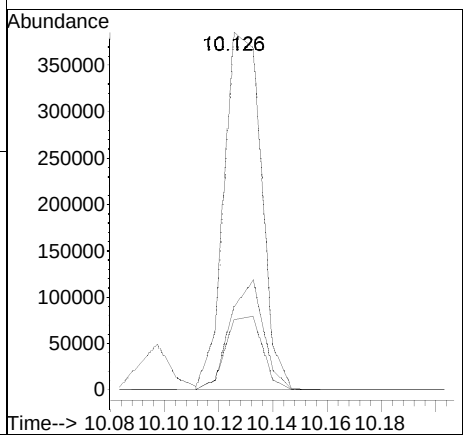


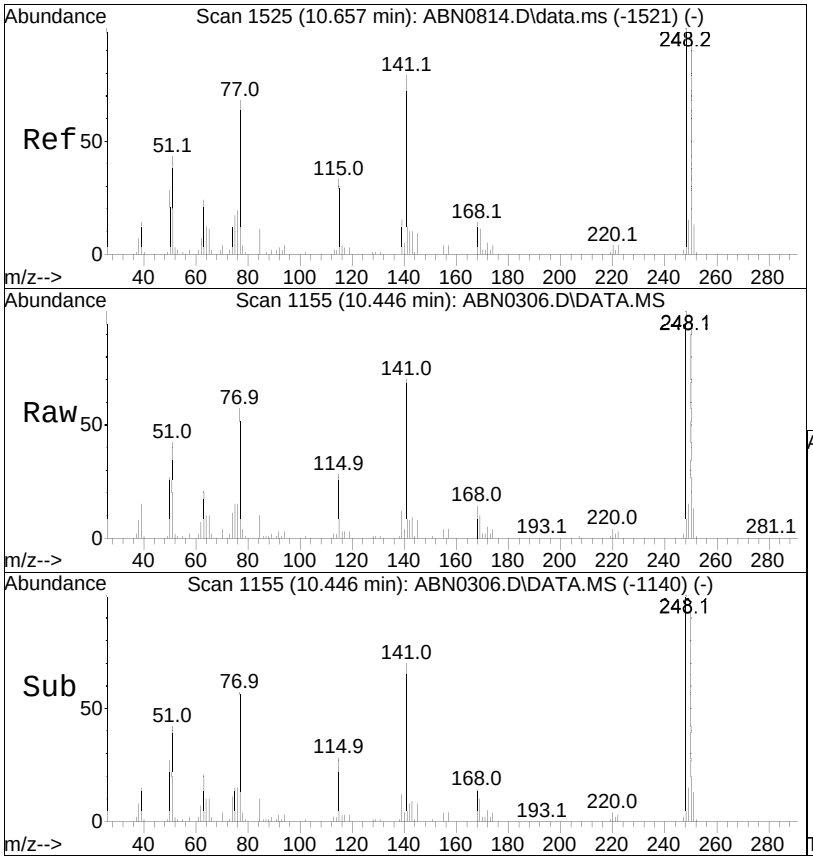


#78
Azobenzene
Concen: 5.12 ug/ml
RT: 10.126 min Scan# 1112
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion: 77 Resp: 365721

Ion	Ratio	Lower	Upper
77	100		
182	28.0	17.4	26.2#
105	20.8	15.4	23.2

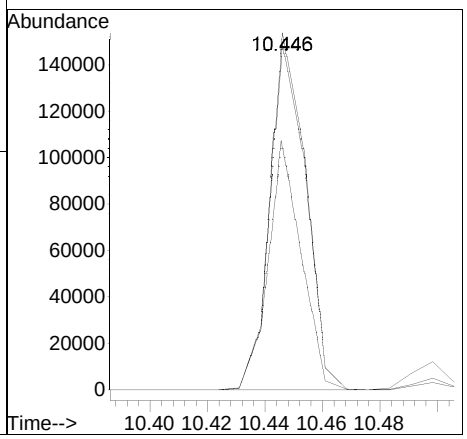


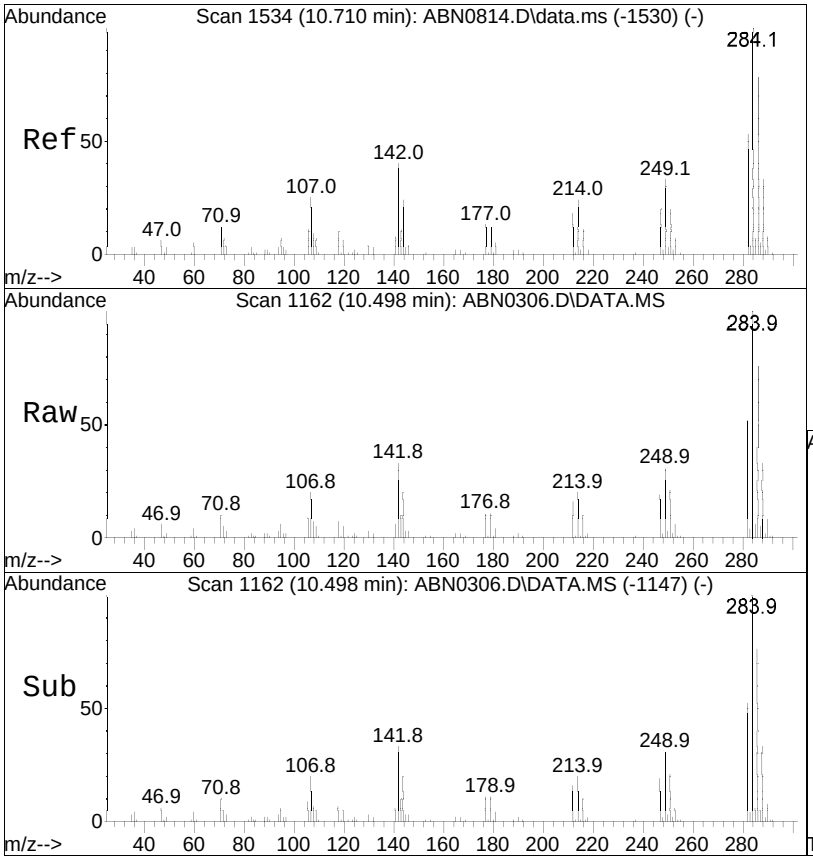


#80
4-Bromophenyl phenyl ether
Concen: 4.79 ug/ml
RT: 10.446 min Scan# 1155
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:248 Resp: 132504

Ion	Ratio	Lower	Upper
248	100		
141	64.8	76.6	114.8#
250	96.9	77.3	115.9

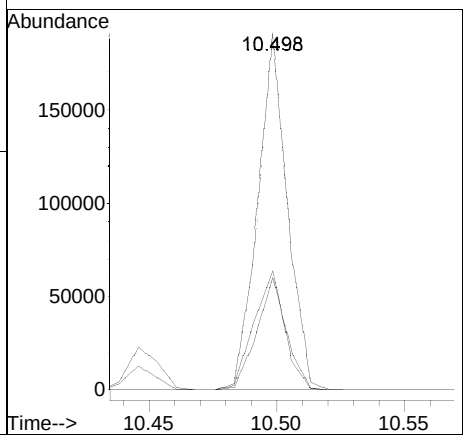


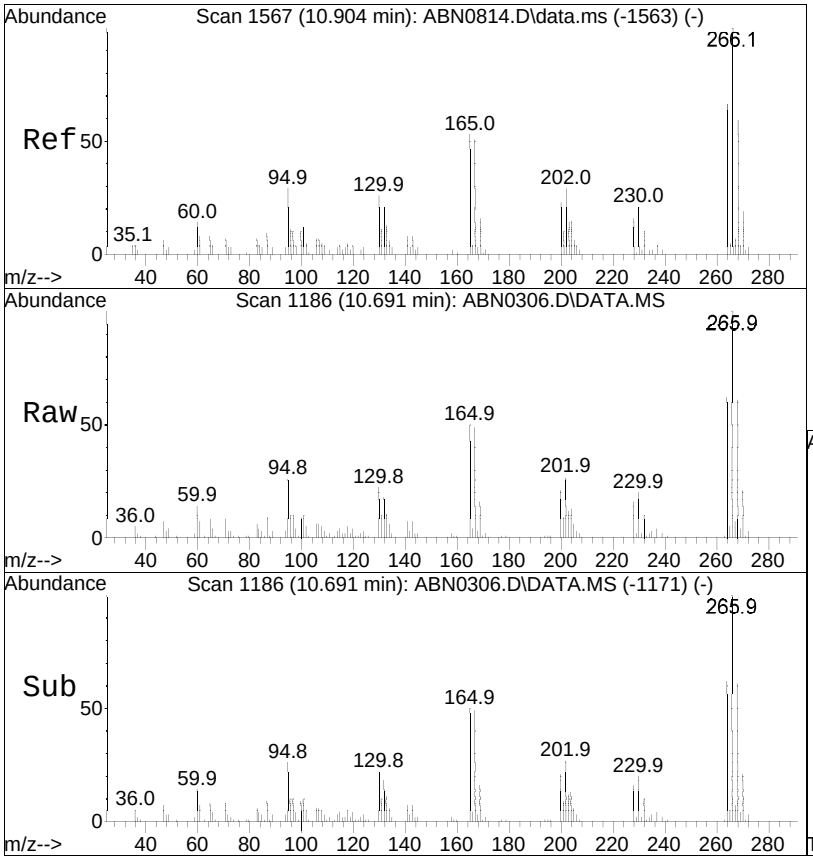


#81
Hexachlorobenzene
Concen: 4.74 ug/ml
RT: 10.498 min Scan# 1162
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:284 Resp: 153020

Ion	Ratio	Lower	Upper
284	100		
142	34.8	41.9	62.9#
249	31.7	24.1	36.1

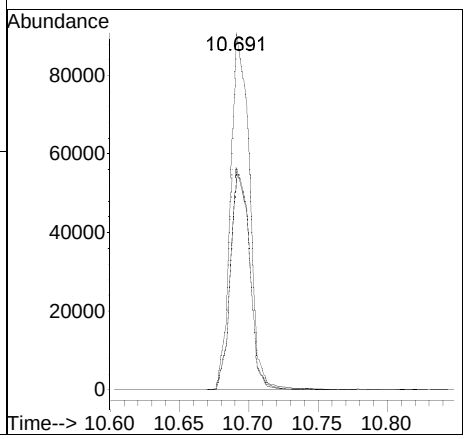


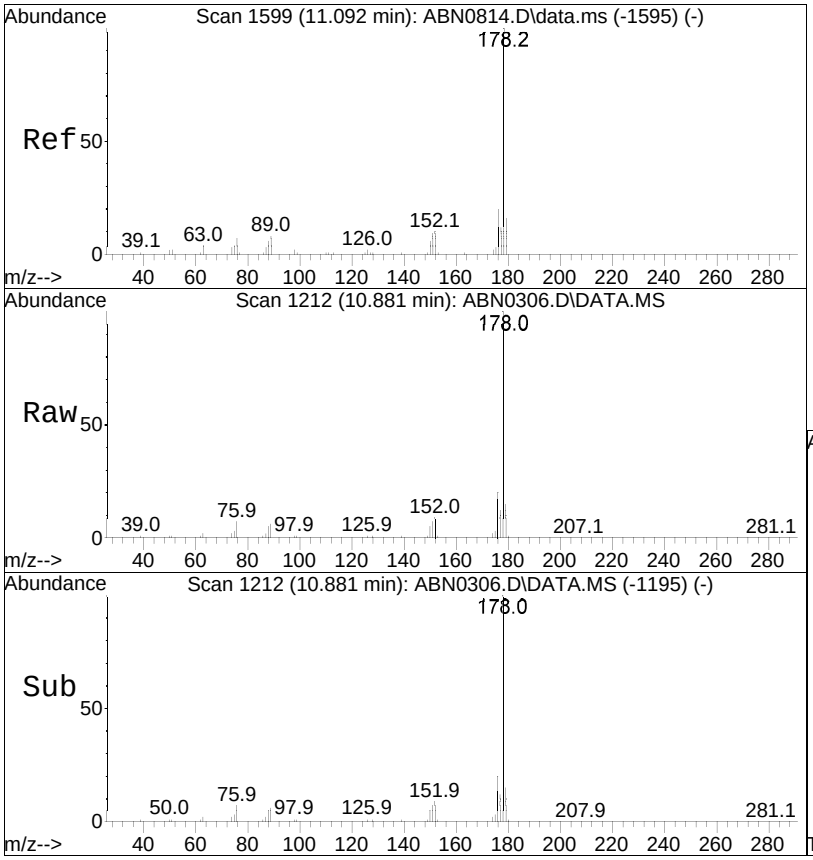


#82
Pentachlorophenol
Concen: 4.88 ug/ml
RT: 10.691 min Scan# 1186
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:266 Resp: 86094

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.7	74.5
268	62.4	50.5	75.7

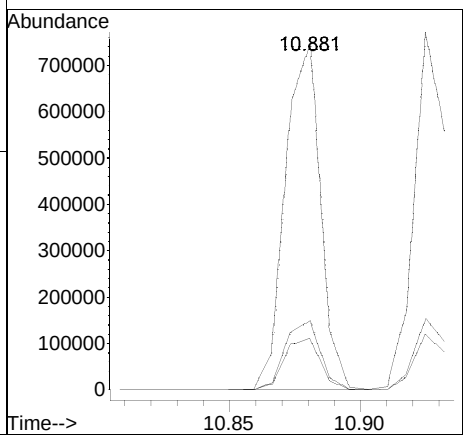


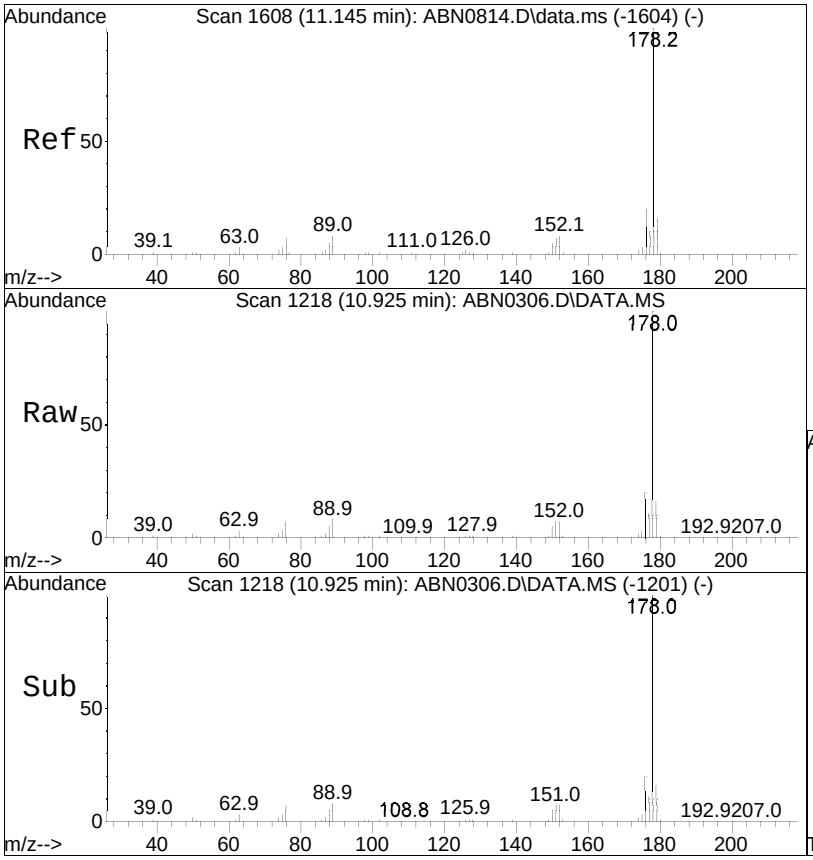


#89
Phenanthrene
Concen: 4.73 ug/ml
RT: 10.881 min Scan# 1212
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:178 Resp: 697884

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	20.0	15.4	23.2

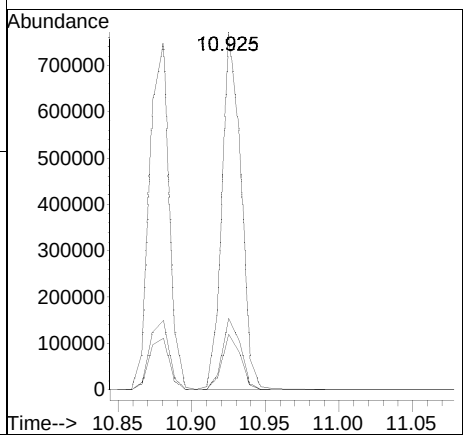


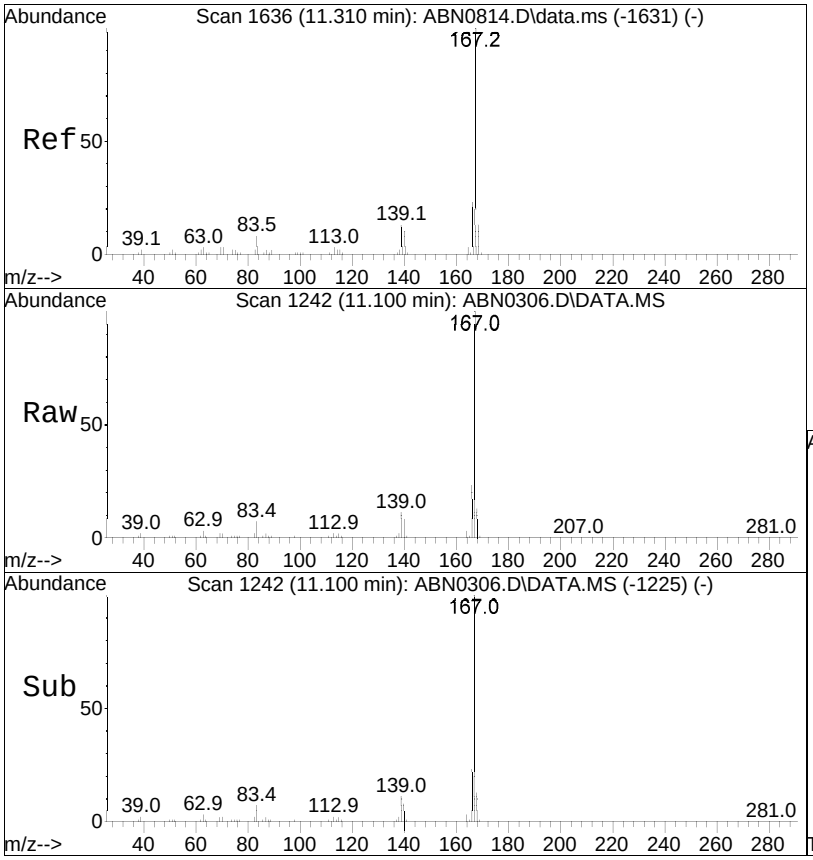


#90
Anthracene
Concen: 4.92 ug/ml
RT: 10.925 min Scan# 1218
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:178 Resp: 694178

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	19.5	14.6	22.0

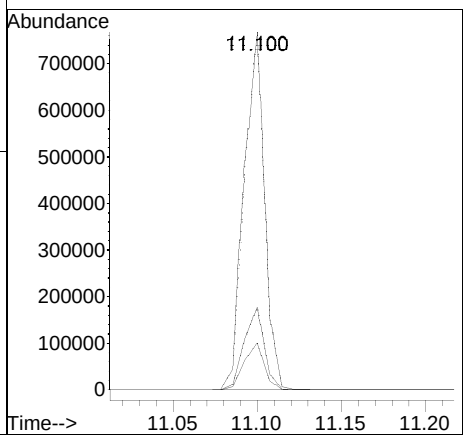


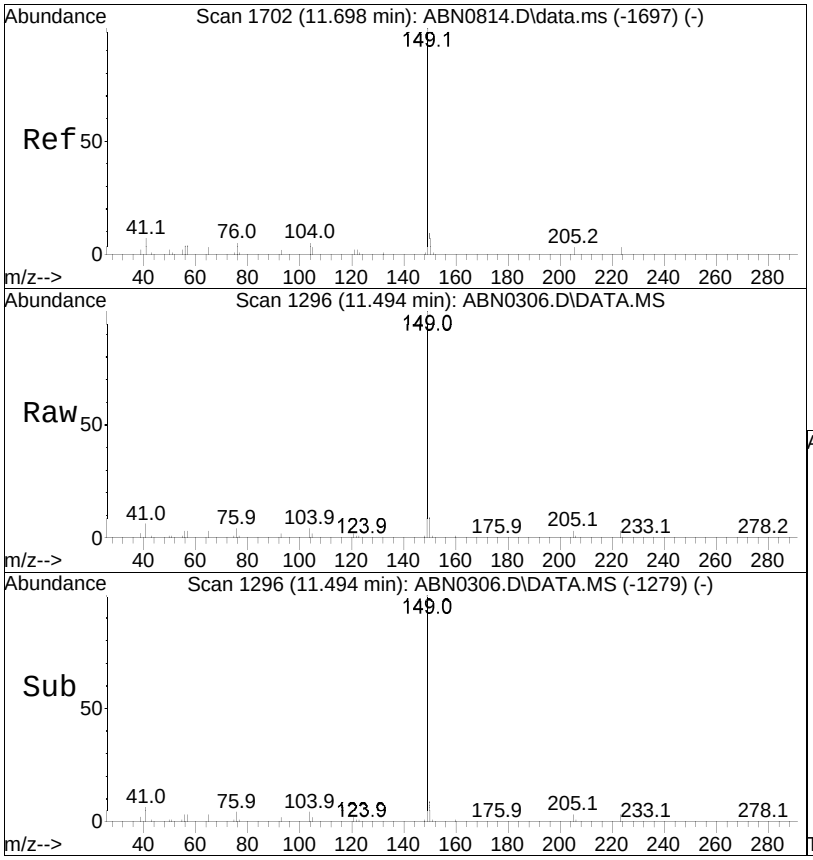


#91
Carbazole
Concen: 5.06 ug/ml
RT: 11.100 min Scan# 1242
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:167 Resp: 642386

Ion	Ratio	Lower	Upper
167	100		
168	13.1	10.6	15.8
166	22.9	17.4	26.0

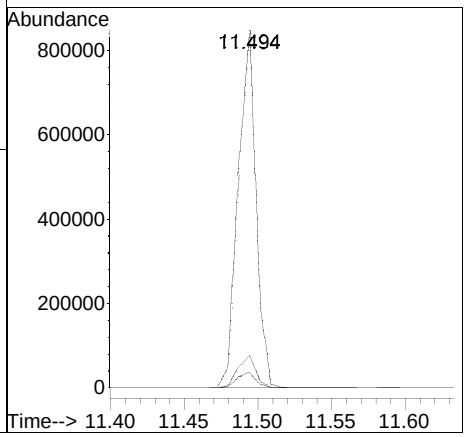


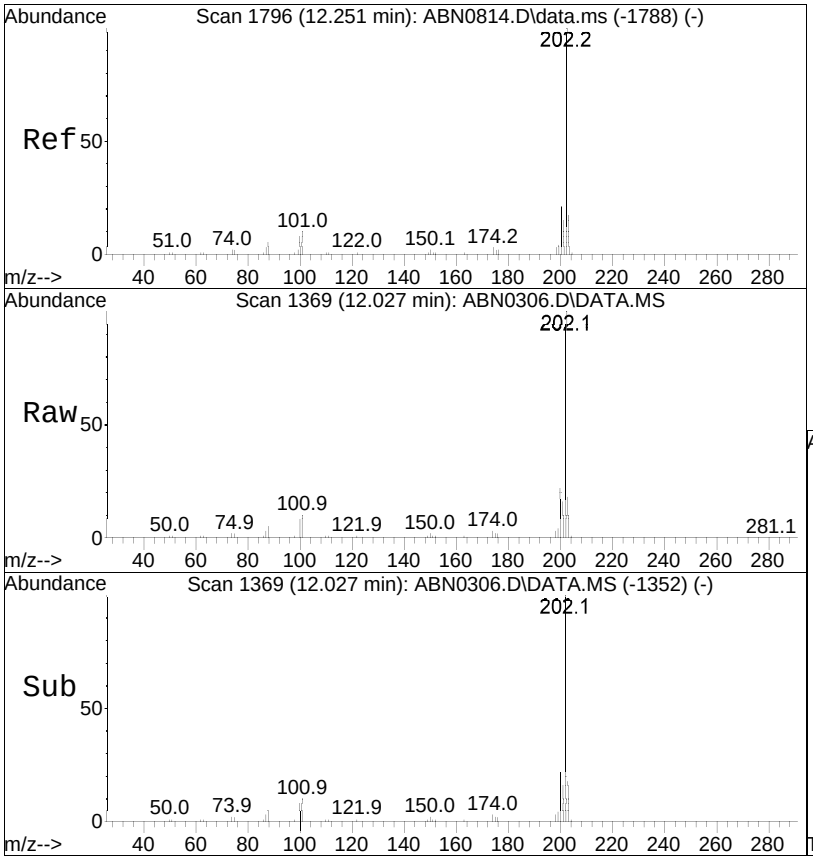


#92
Di-n-butylphthalate
Concen: 5.38 ug/ml
RT: 11.494 min Scan# 1296
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:149 Resp: 700041

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	4.7	4.5	6.7

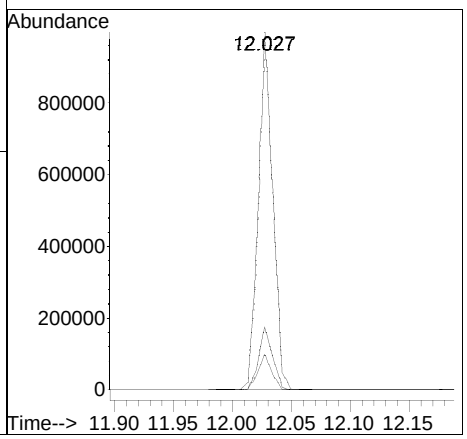


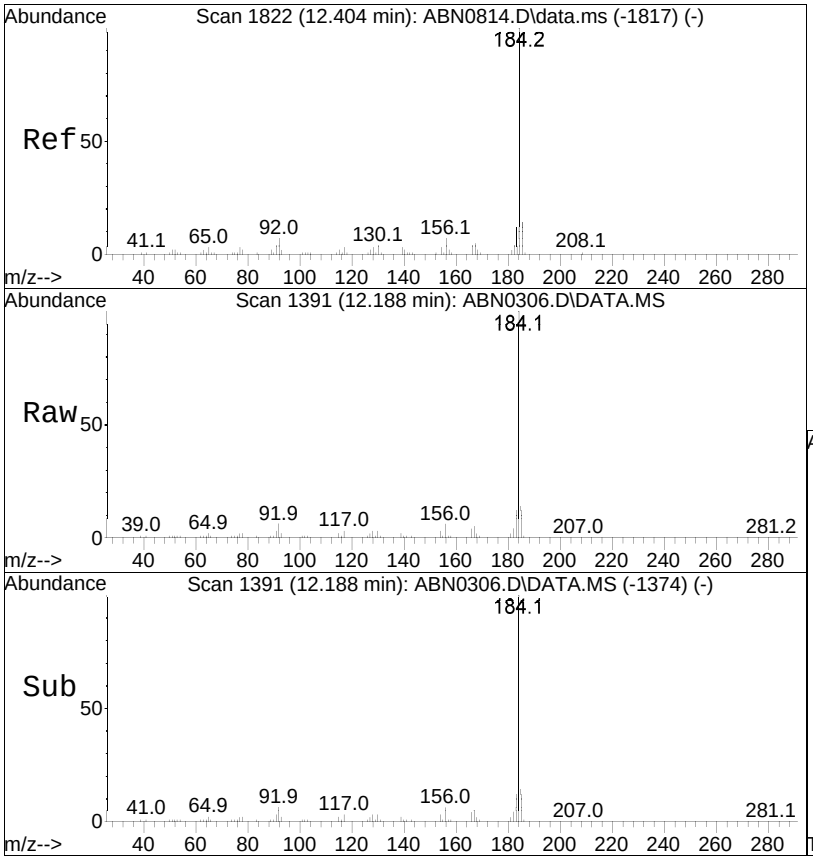


#93
Fluoranthene
Concen: 5.17 ug/ml
RT: 12.027 min Scan# 1369
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:202 Resp: 834257

Ion	Ratio	Lower	Upper
202	100		
101	9.7	13.5	20.3#
203	17.6	13.6	20.4

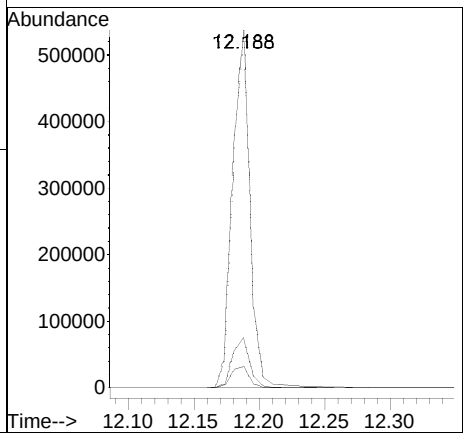


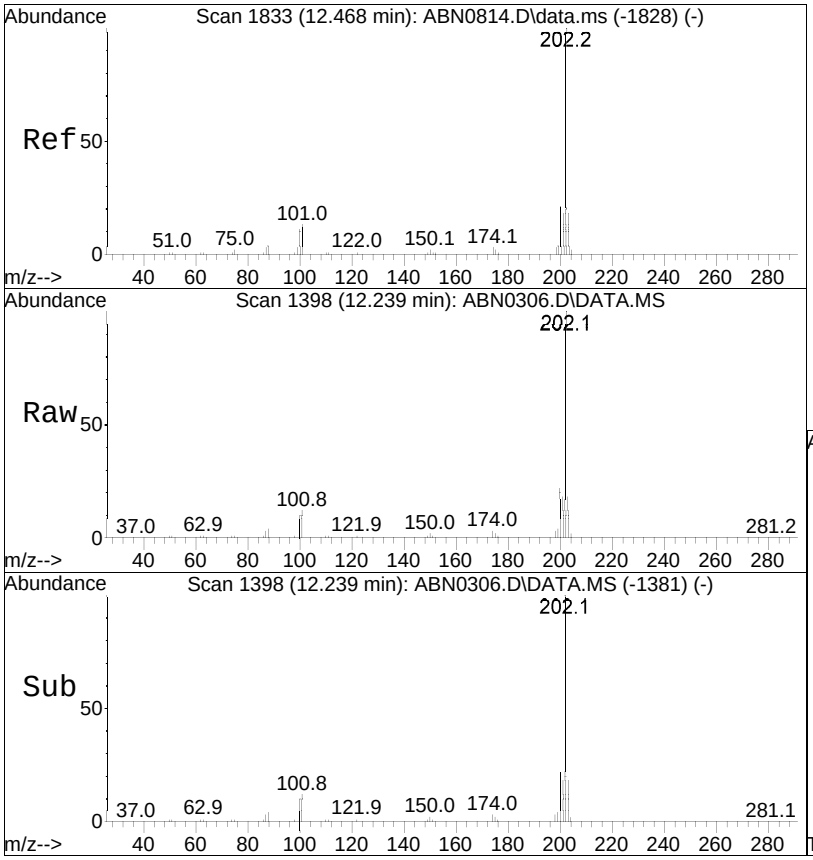


#94
Benzidine
Concen: 4.85 ug/ml
RT: 12.188 min Scan# 1391
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:184 Resp: 487219

Ion	Ratio	Lower	Upper
184	100		
92	6.4	9.1	13.7#
185	14.1	11.1	16.7

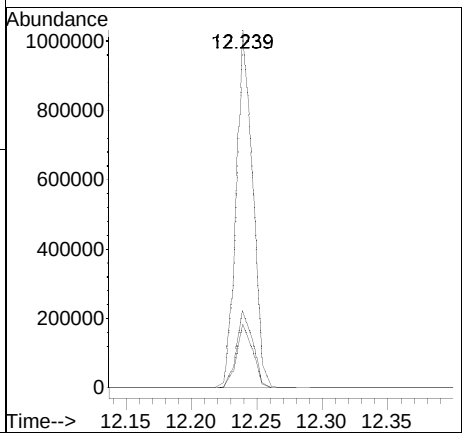


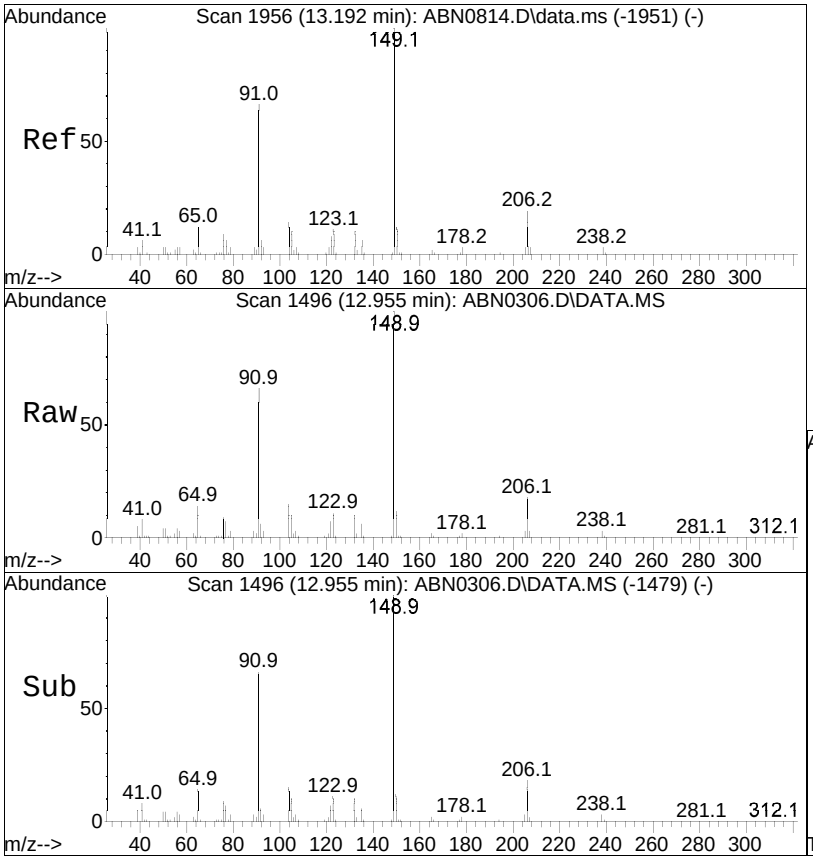


#95
Pyrene
Concen: 5.27 ug/ml
RT: 12.239 min Scan# 1398
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:202 Resp: 892683

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.7	25.1
203	17.7	14.2	21.4

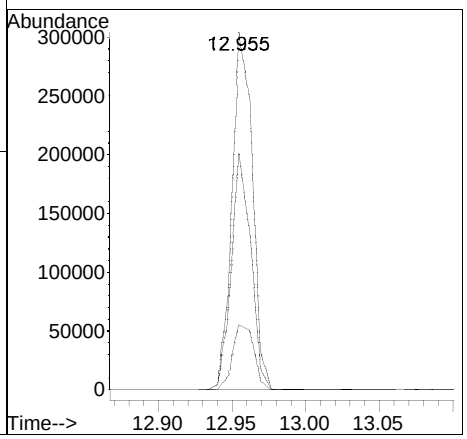


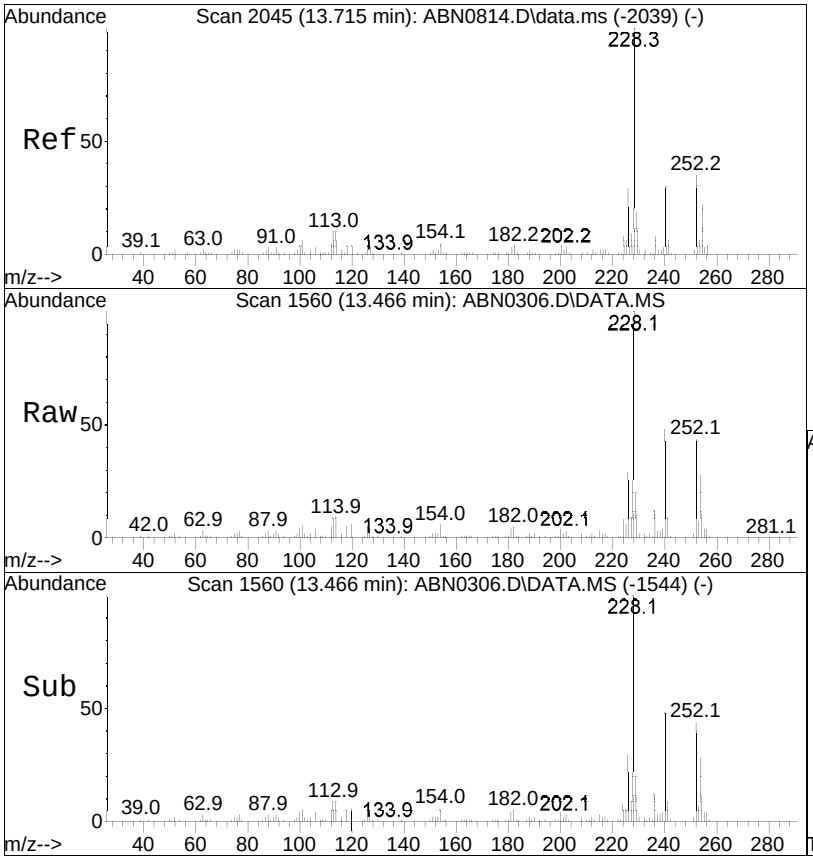


#97
Butyl benzyl phthalate
Concen: 4.55 ug/ml
RT: 12.955 min Scan# 1496
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:149 Resp: 289263

Ion	Ratio	Lower	Upper
149	100		
91	63.5	63.3	94.9
206	19.1	13.9	20.9

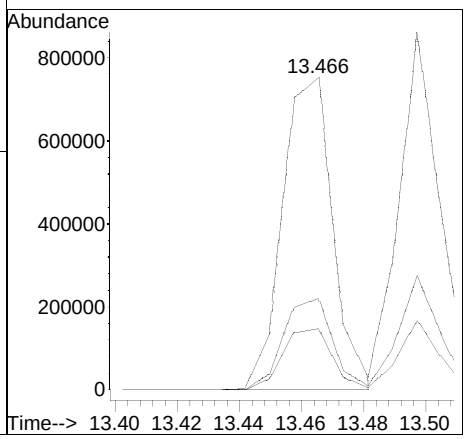


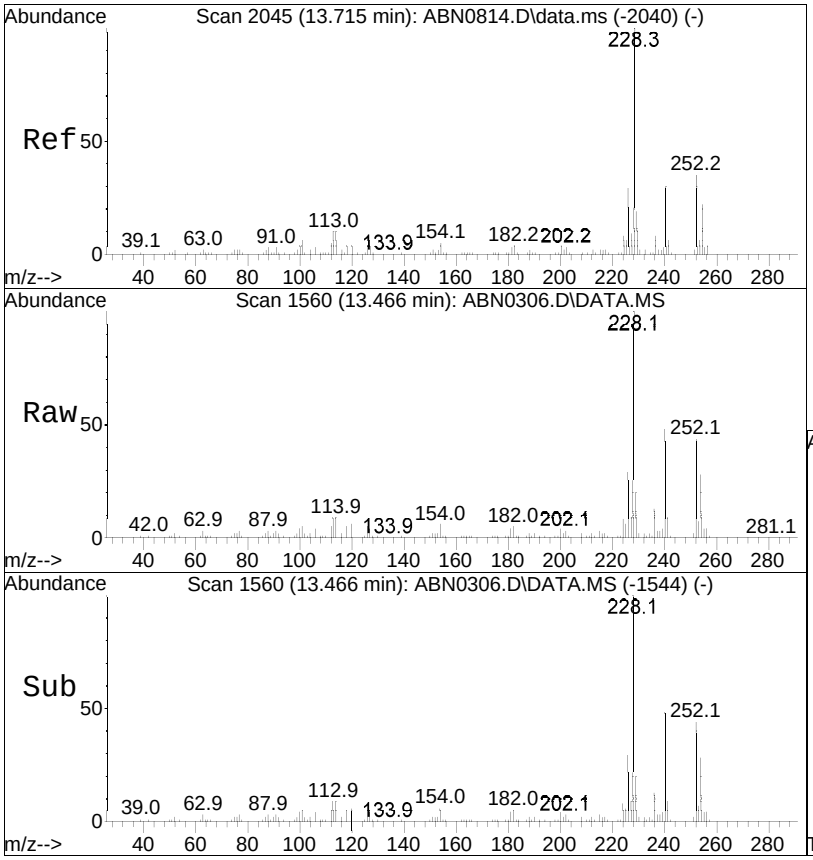


#105
Benzo(a)anthracene
Concen: 5.15 ug/ml
RT: 13.466 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:228 Resp: 845832

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	19.6	15.6	23.4

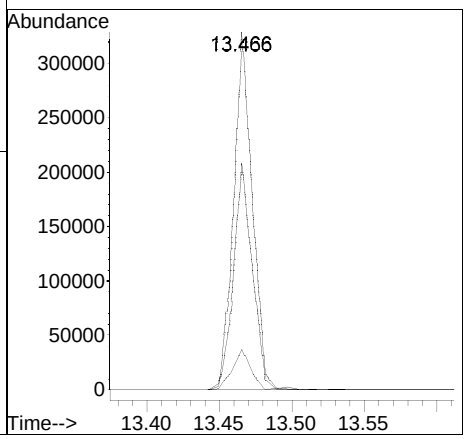


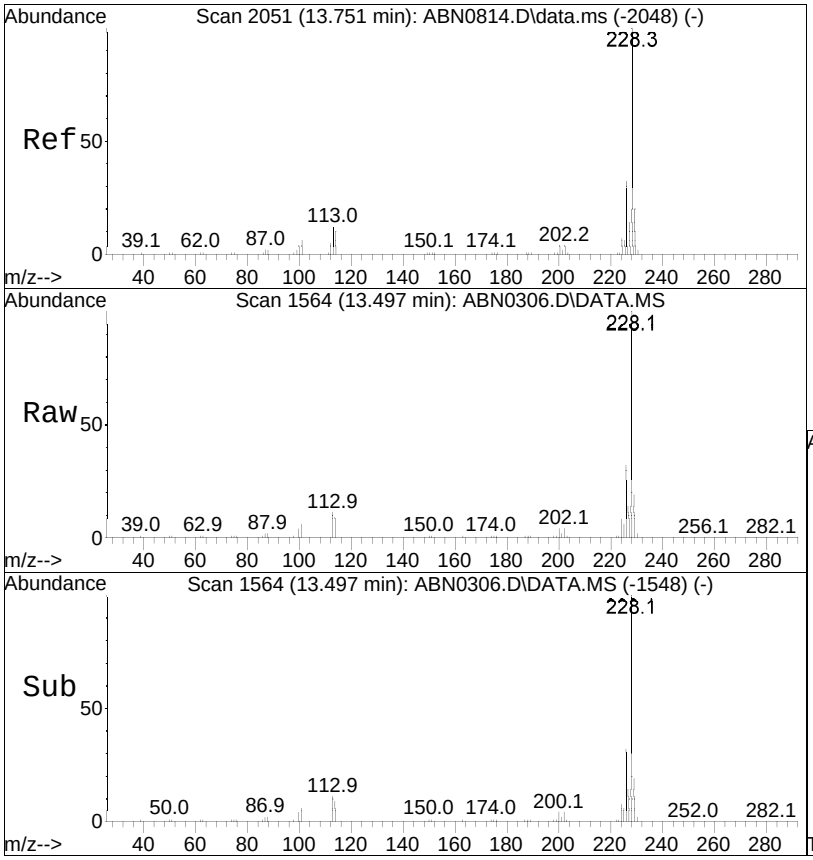


#106
3,3'-Dichlorobenzidine
Concen: 5.52 ug/ml
RT: 13.466 min Scan# 1560
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:252 Resp: 292592

Ion	Ratio	Lower	Upper
252	100		
126	11.7	14.5	21.7#
254	63.8	51.2	76.8

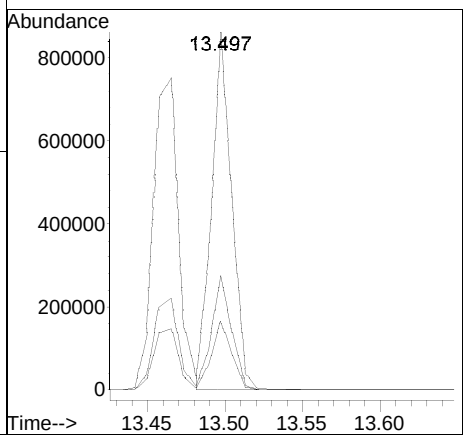


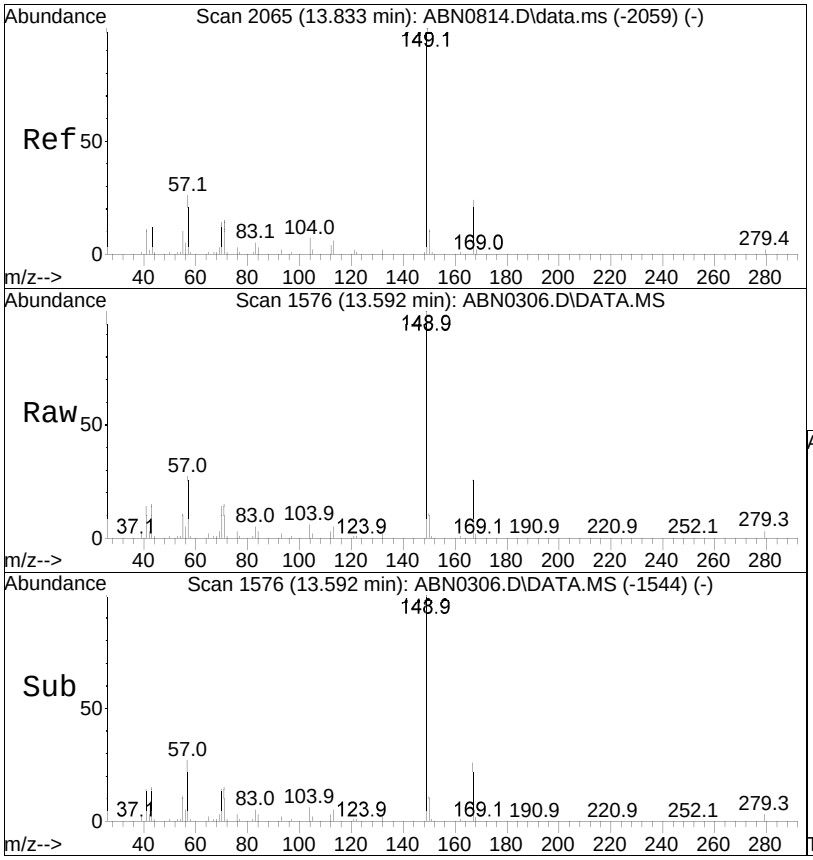


#107
Chrysene
Concen: 4.77 ug/ml
RT: 13.497 min Scan# 1564
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:228 Resp: 772833

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.0	36.0
229	19.3	15.8	23.8

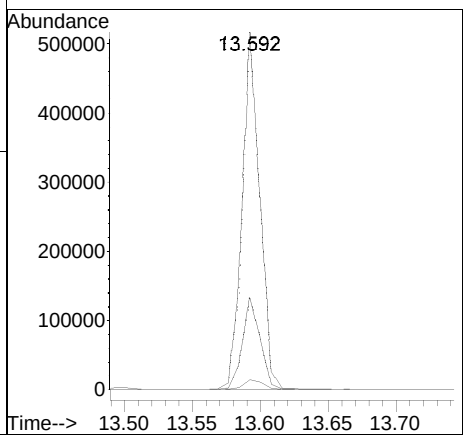


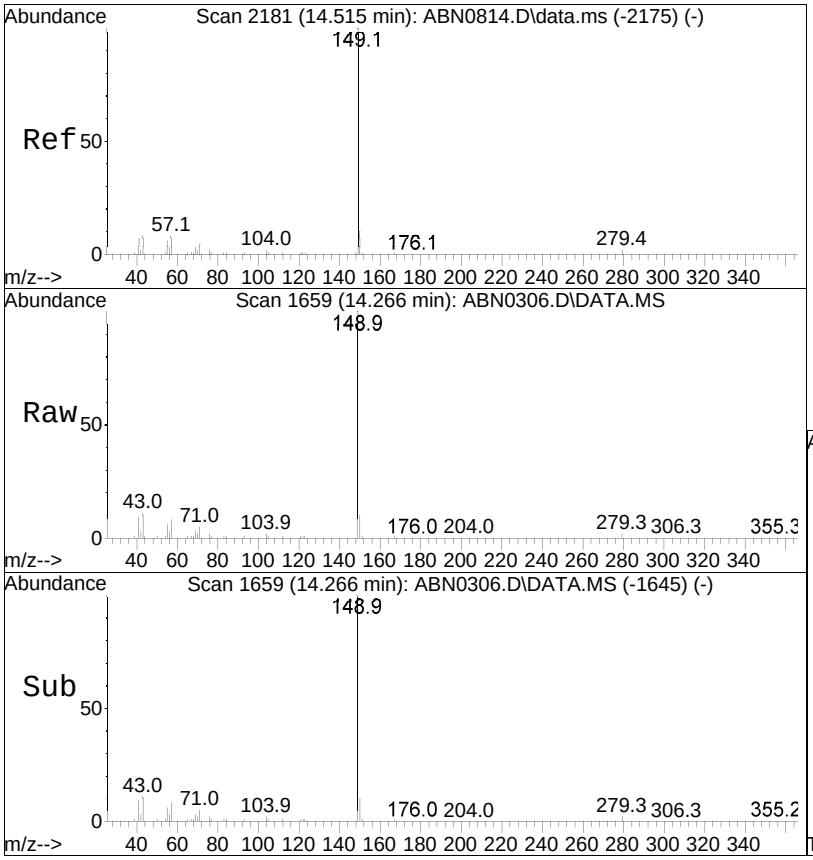


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.87 ug/ml
RT: 13.592 min Scan# 1576
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:149 Resp: 455035

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	2.8	3.0	4.4#

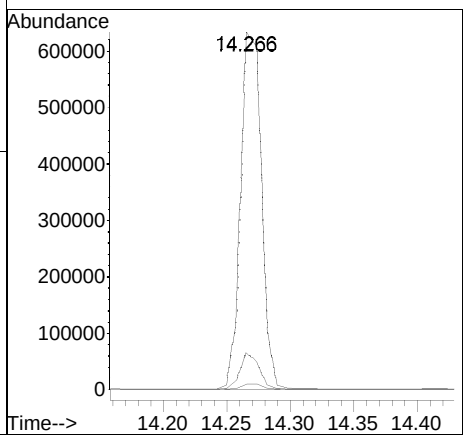


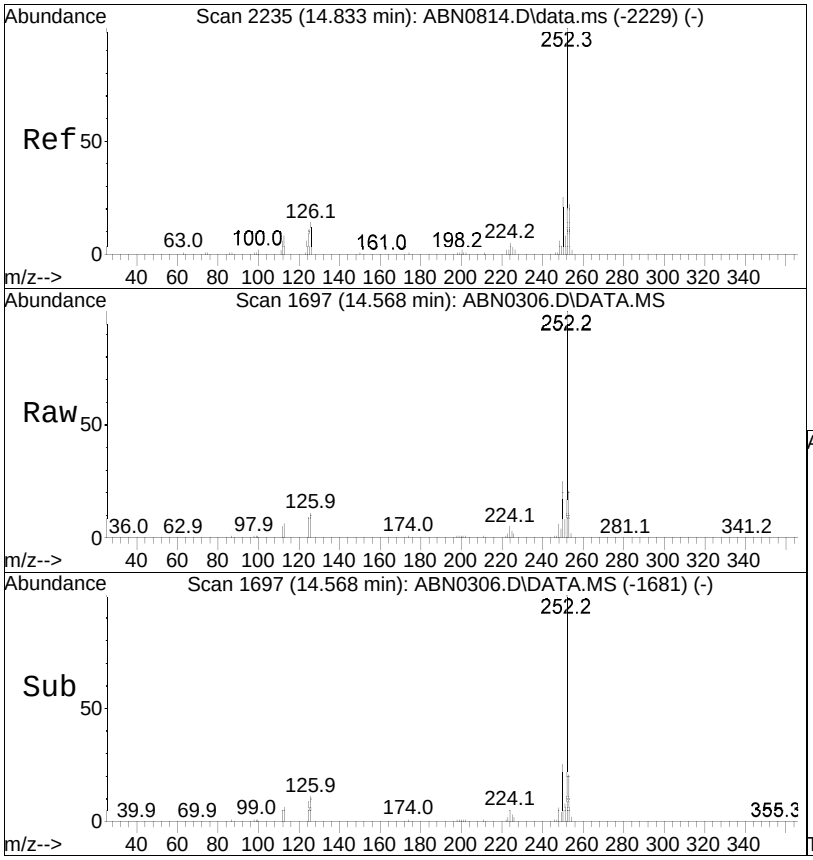


#109
Di-n-octylphthalate
Concen: 4.67 ug/ml
RT: 14.266 min Scan# 1659
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:149 Resp: 713179

Ion	Ratio	Lower	Upper
149	100		
43	9.7	18.8	28.2#
167	1.5	1.3	1.9

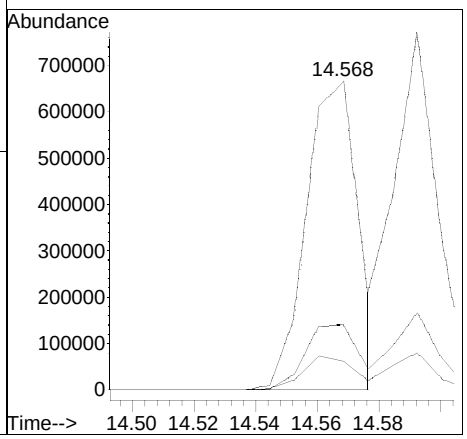


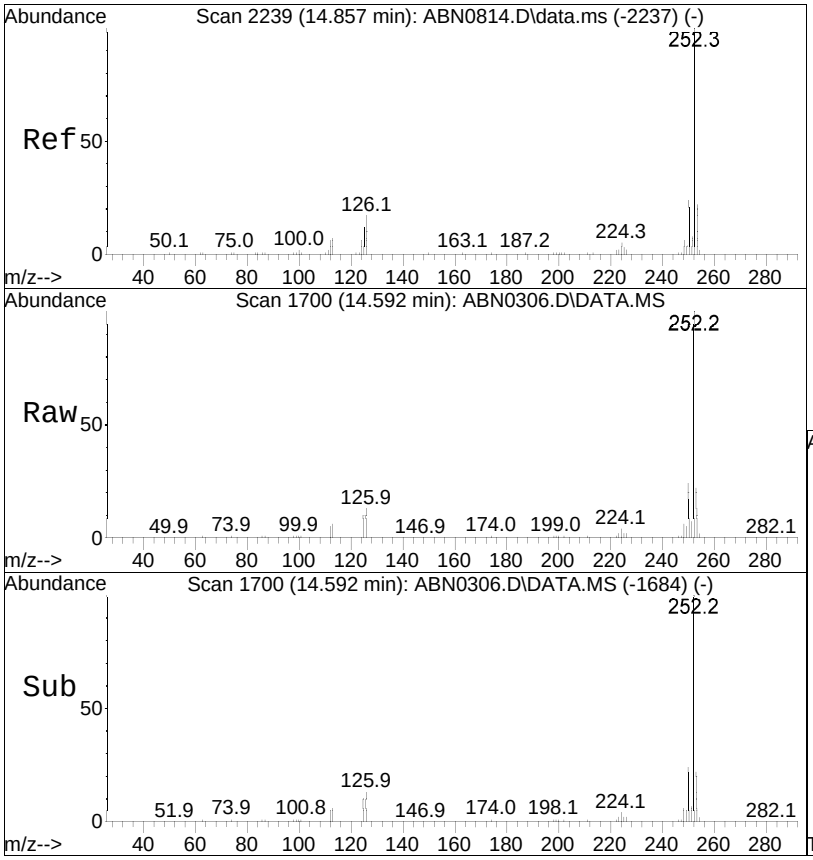


#110
Benzo(b)fluoranthene
Concen: 4.95 ug/ml
RT: 14.568 min Scan# 1697
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:252 Resp: 787877

Ion	Ratio	Lower	Upper
252	100		
125	10.9	13.3	19.9#
253	21.8	17.1	25.7

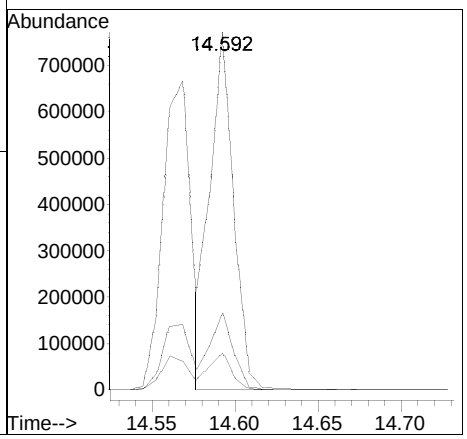


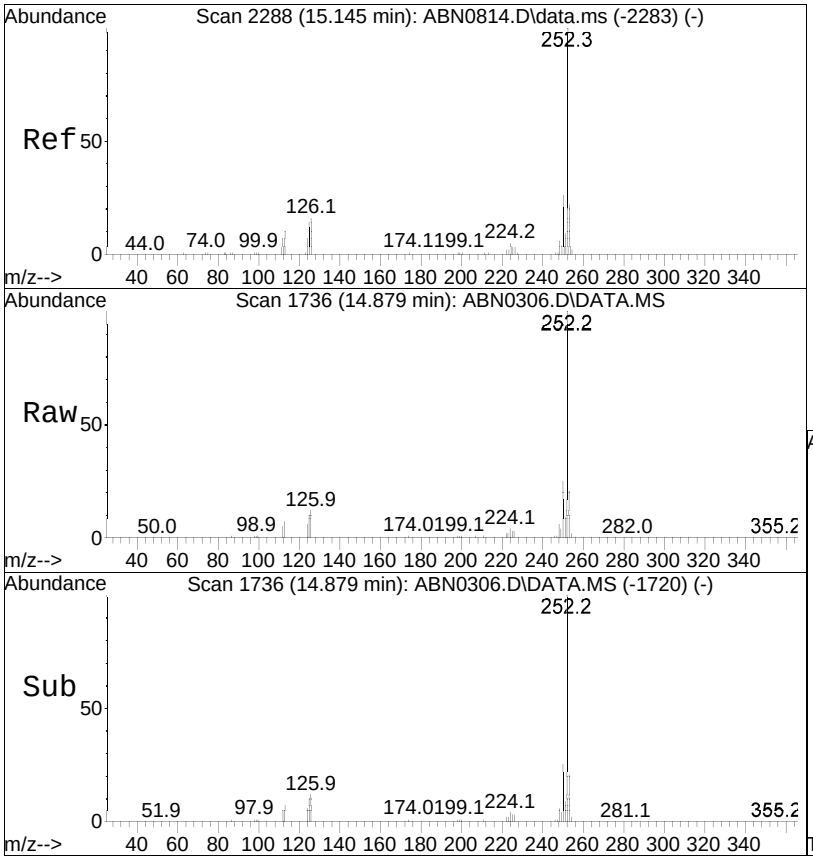


#111
Benzo(k)fluoranthene
Concen: 5.42 ug/ml
RT: 14.592 min Scan# 1700
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:252 Resp: 748212

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.0	19.6#
253	21.7	16.8	25.2

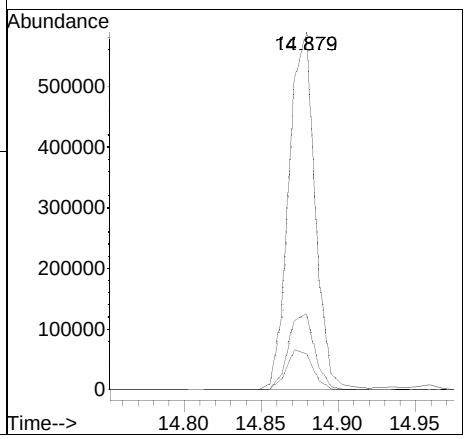


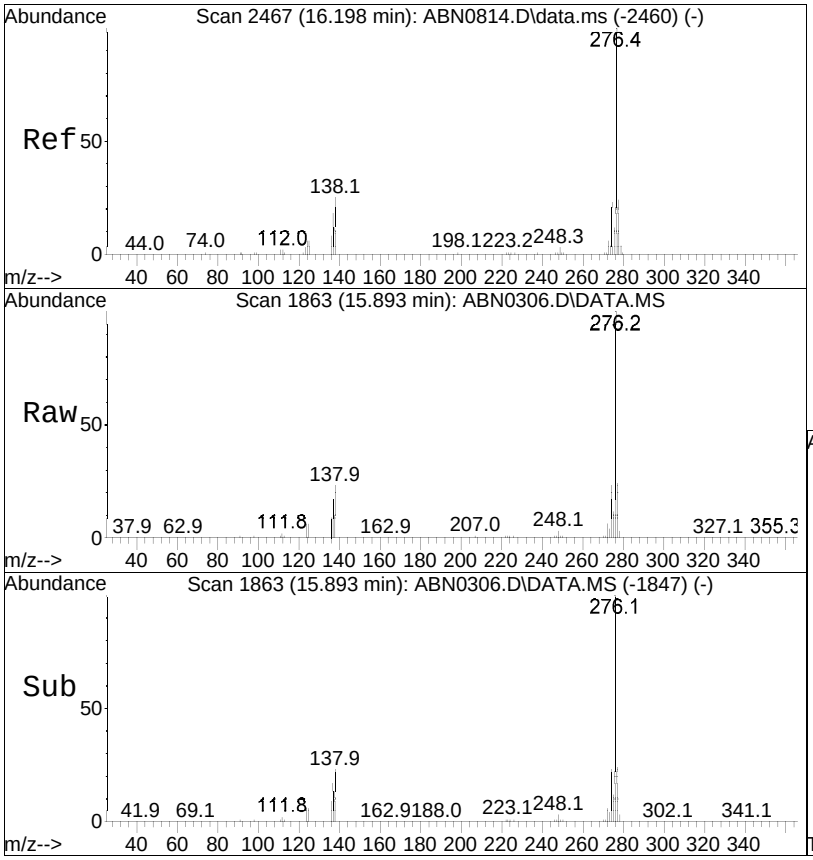


#112
Benzo(a)pyrene
Concen: 5.23 ug/ml
RT: 14.879 min Scan# 1736
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:252 Resp: 694167

Ion	Ratio	Lower	Upper
252	100		
125	11.6	14.2	21.2#
253	21.7	16.9	25.3

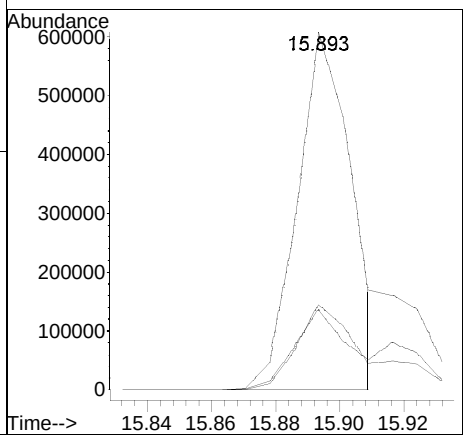


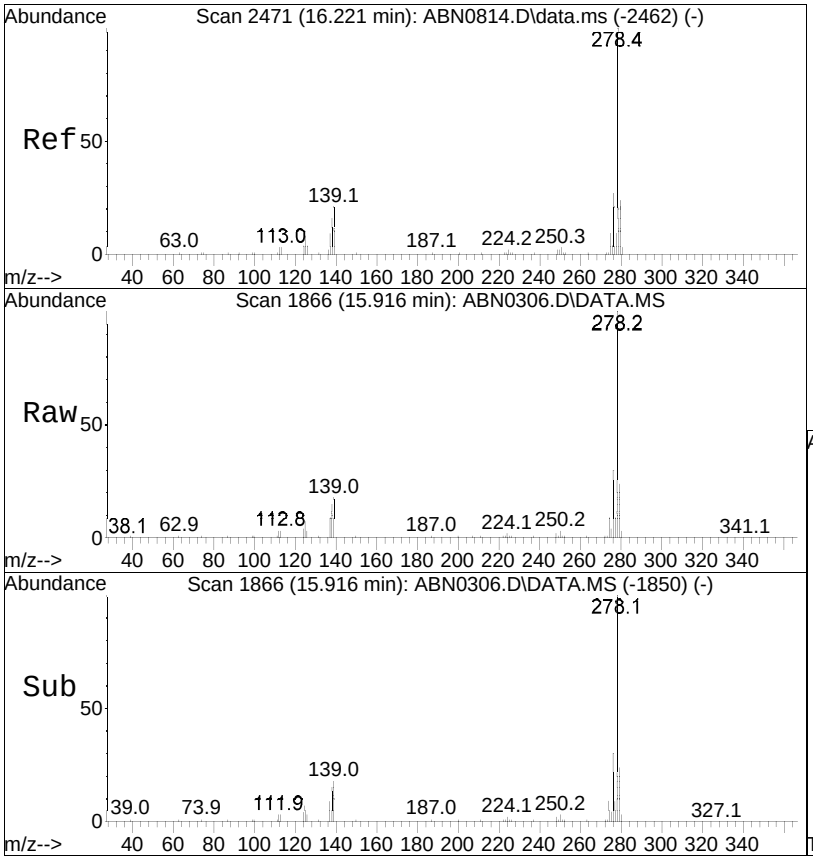


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.55 ug/mL M6
RT: 15.893 min Scan# 1863
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:276 Resp: 715617

Ion	Ratio	Lower	Upper
276	100		
138	34.0	25.1	37.7
277	31.6	18.6	28.0#

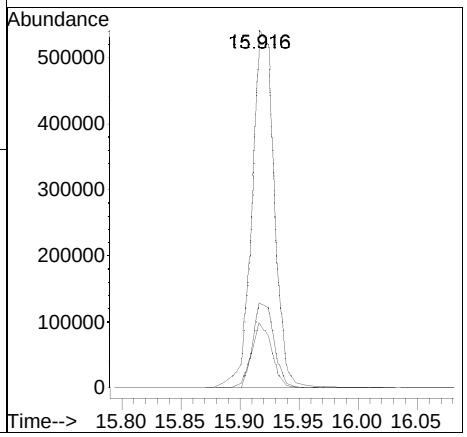


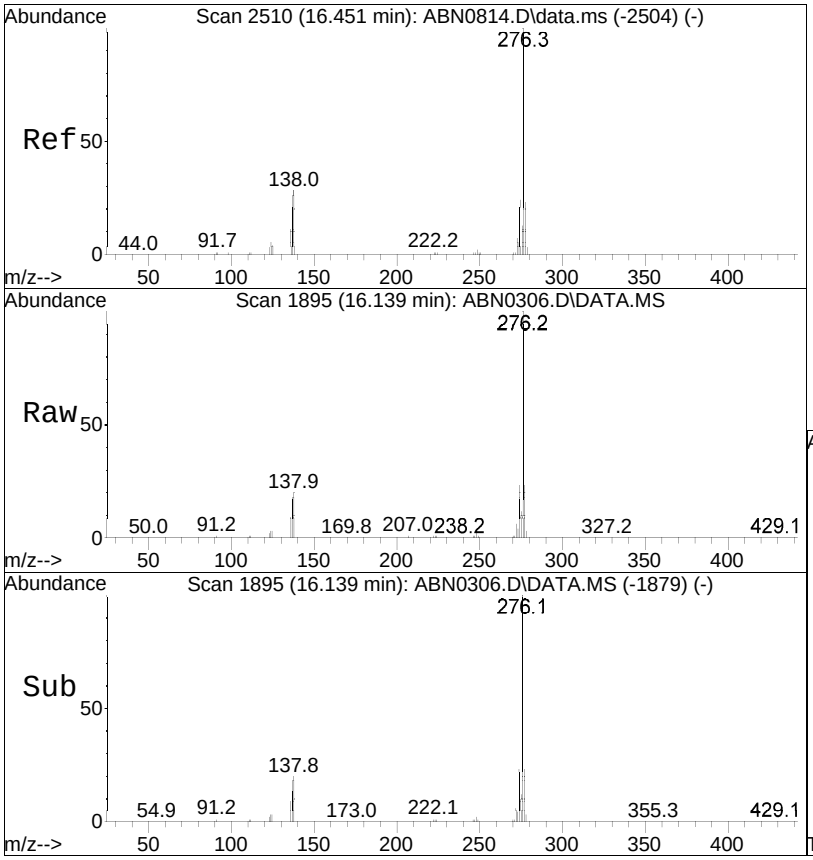


#115
Dibenzo(a,h)anthracene
Concen: 5.53 ug/ml
RT: 15.916 min Scan# 1866
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:278 Resp: 710003

Ion	Ratio	Lower	Upper
278	100		
139	16.4	20.8	31.2#
279	23.2	18.3	27.5

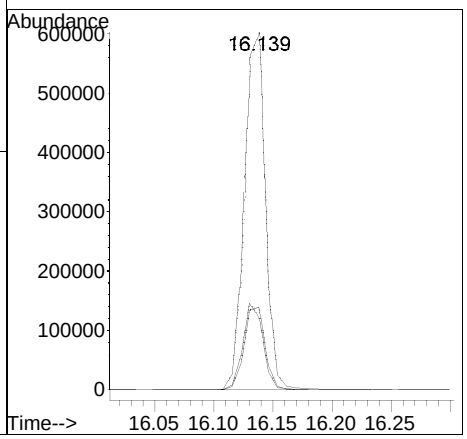




#116
Benzo(ghi)perylene
Concen: 5.65 ug/ml
RT: 16.139 min Scan# 1895
Delta R.T. 0.000 min
Lab File: ABN0306.D
Acq: 6 Mar 2025 10:28 am

Tgt Ion:276 Resp: 732291

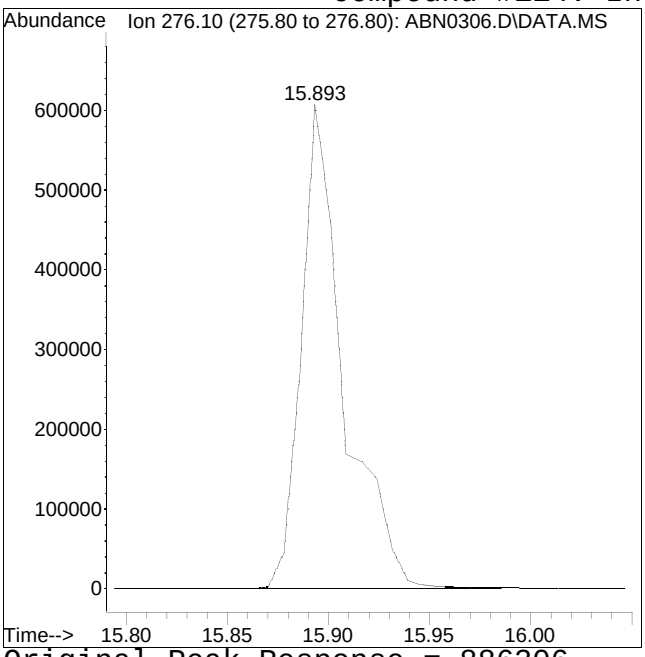
Ion	Ratio	Lower	Upper
276	100		
138	23.6	29.2	43.8#
277	23.6	18.8	28.2



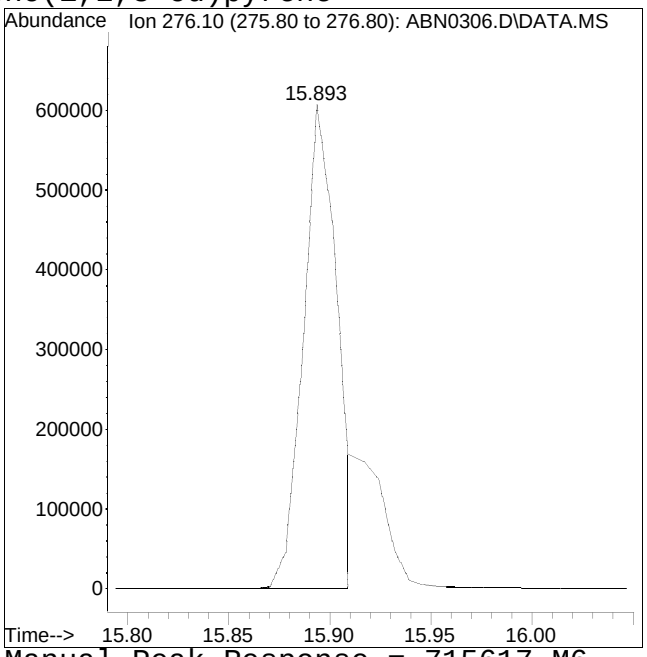
Manual Integration Report

Data Path : I:\8270\SV107\250306RVT\ QMethod : FS250303SV107RVT.m
Data File : ABN0306.D Operator : SV107:slr
Date Inj'd : 3/6/2025 10:28 am Instrument : SV107
Sample : WG2037390-3,32,,ABN 11297 Quant Date : 3/6/2025 11:15 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 886306



Manual Peak Response = 715617 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250306RVT\
Data File : AP90306.D
Acq On : 6 Mar 2025 10:54 am
Operator : SV107:slr
Sample : WG2037390-4,32,,AP9 11152 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 11:16:22 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:17:14 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	114	0.00
28	T	Benzaldehyde		0.859	0.730	15.0	100	0.00
29	T	Acetophenone		1.472	1.461	0.7	114	0.00
30	T	m-Toluidine		1.500	1.300	13.3	105	0.00
31	T	2-Chloroaniline		1.381	1.369	0.9	117	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	117	0.00
56	T	a-Terpineol		0.229	0.257	-12.2	135	0.00
57	T	3-Chloroaniline		0.135	0.130	3.7	110	0.00
58	T	2,6-Dichlorophenol		0.288	0.303	-5.2	121	0.00
59	T	1-chloro-2-nitrobenzene		0.114	0.121	-6.1	123	0.00
60	T	Caprolactam	*	5.000	4.219	15.6	119	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.428	0.407	4.9	114	0.00
62	T	Biphenyl		0.969	0.894	7.7	112	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	112	0.00
84	T	Dichloran	*	5.000	4.085	18.3	119	0.00
85	T	Pentachloronitrobenzene	*	5.000	4.470	10.6	114	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	107	0.00
99	T	Diphenamid	*	5.000	4.161	16.8	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : AP90306.D
Acq On : 6 Mar 2025 10:54 am
Operator : SV107:slr
Sample : WG2037390-4,32,,AP9 11152 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 11:16:22 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:17:14 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.222	152	113507	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	7.660	136	398927	4.000	ug/ml		0.00
83) IS2_Acenaphthene-d10	9.421	164	250800	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	10.859	188	518264	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.636	105	103536	4.249	ug/ml		96
29) Acetophenone	6.736	105	207234	4.963	ug/ml	#	84
30) m-Toluidine	6.834	106	184441	4.334	ug/ml		94
31) 2-Chloroaniline	7.239	127	194294	4.957	ug/ml	#	92
56) a-Terpineol	7.739	59	128213	5.621	ug/ml		86
57) 3-Chloroaniline	7.754	65	64954	4.834	ug/ml		91
58) 2,6-Dichlorophenol	7.783	162	151194	5.272	ug/ml		95
59) 1-chloro-2-nitrobenzene	8.049	111	60219	5.313	ug/ml	#	1
60) Caprolactam	8.092	55	63887	4.219	ug/ml	#	77
61) 1,2,4,5-Tetrachloroben...	8.579	216	203186	4.761	ug/ml		98
62) Biphenyl	8.876	154	445829	4.611	ug/ml		98
84) Dichloran	10.558	206	41491	4.085	ug/ml	#	70
85) Pentachloronitrobenzene	10.706	237	47616	4.470	ug/ml	#	80
99) Diphenamid	11.765	167	263950	4.161	ug/ml	#	73

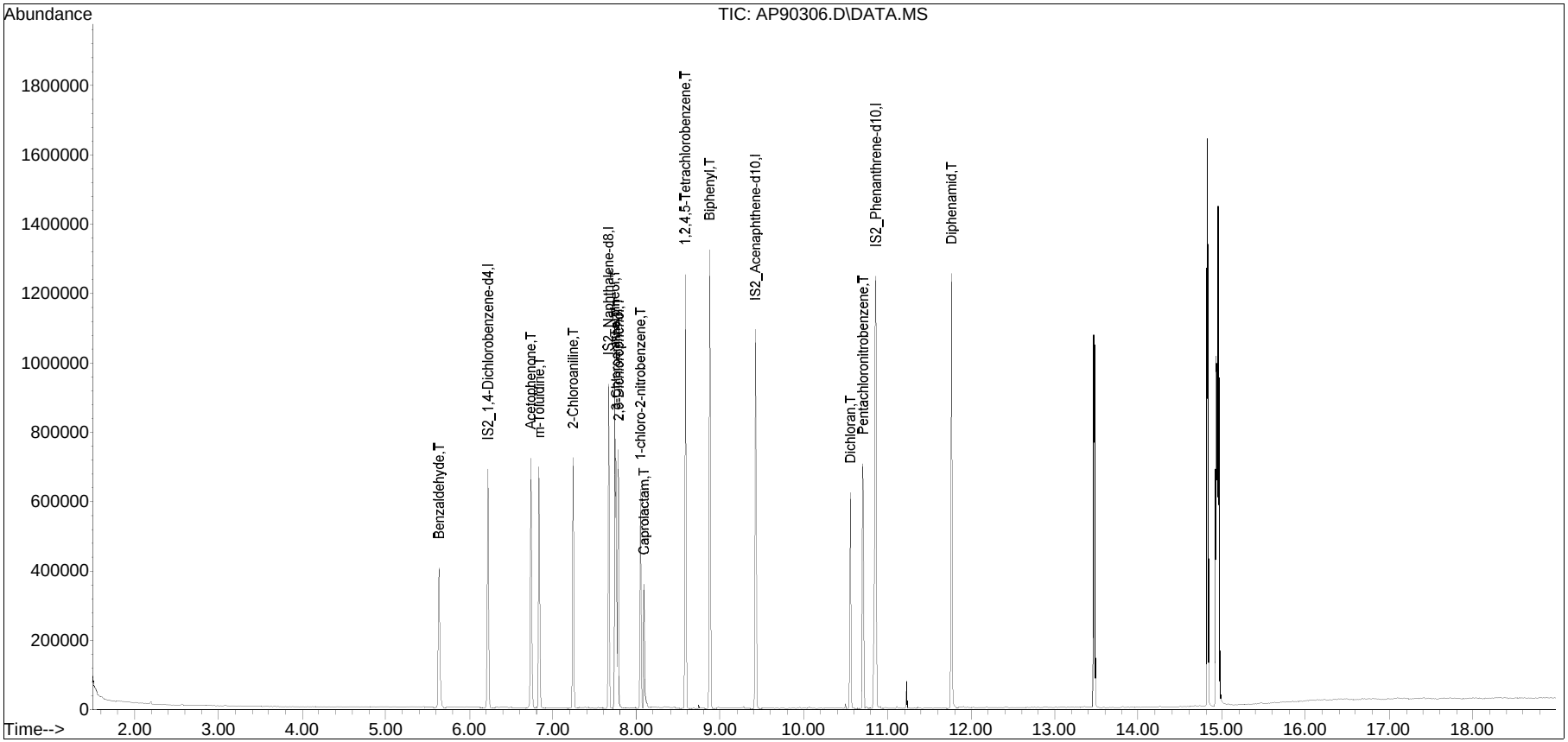
(#) = qualifier out of range (m) = manual integration (+) = signals summed

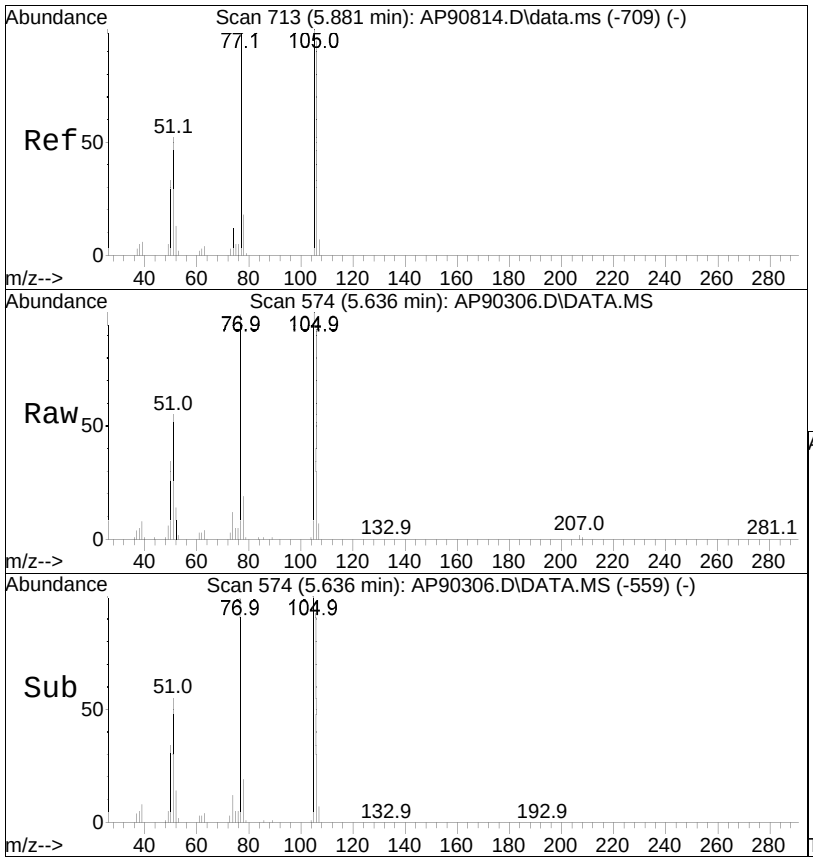
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : AP90306.D
Acq On : 6 Mar 2025 10:54 am
Operator : SV107:slr
Sample : WG2037390-4,32,,AP9 11152 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Mar 06 11:16:22 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:17:14 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

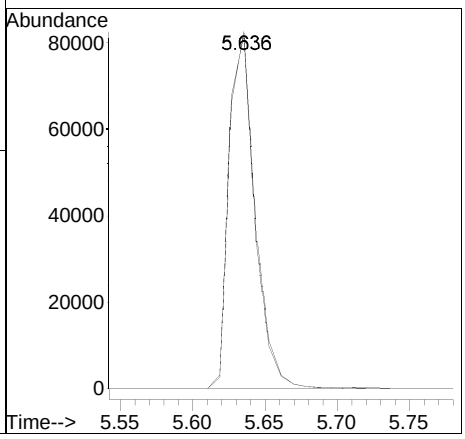


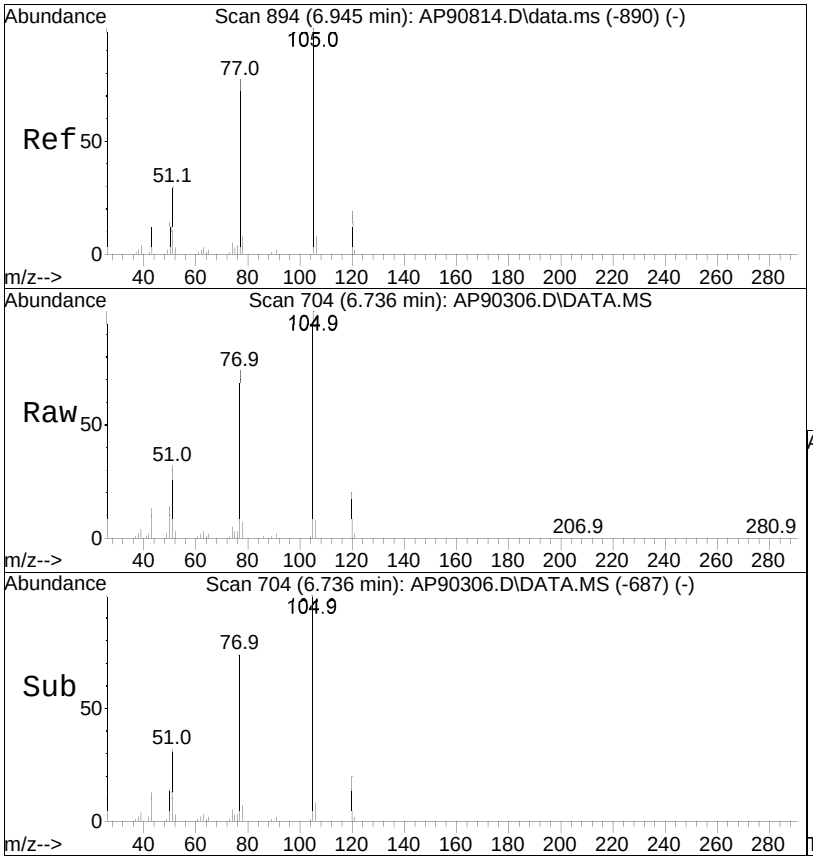


#28
Benzaldehyde
Concen: 4.25 ug/ml
RT: 5.636 min Scan# 574
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:105 Resp: 103536

Ion	Ratio	Lower	Upper
105	100		
77	98.6	82.2	123.4

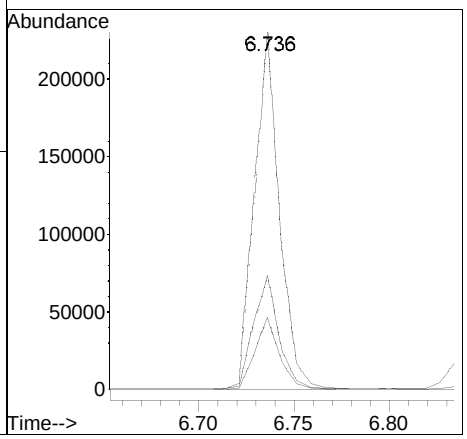


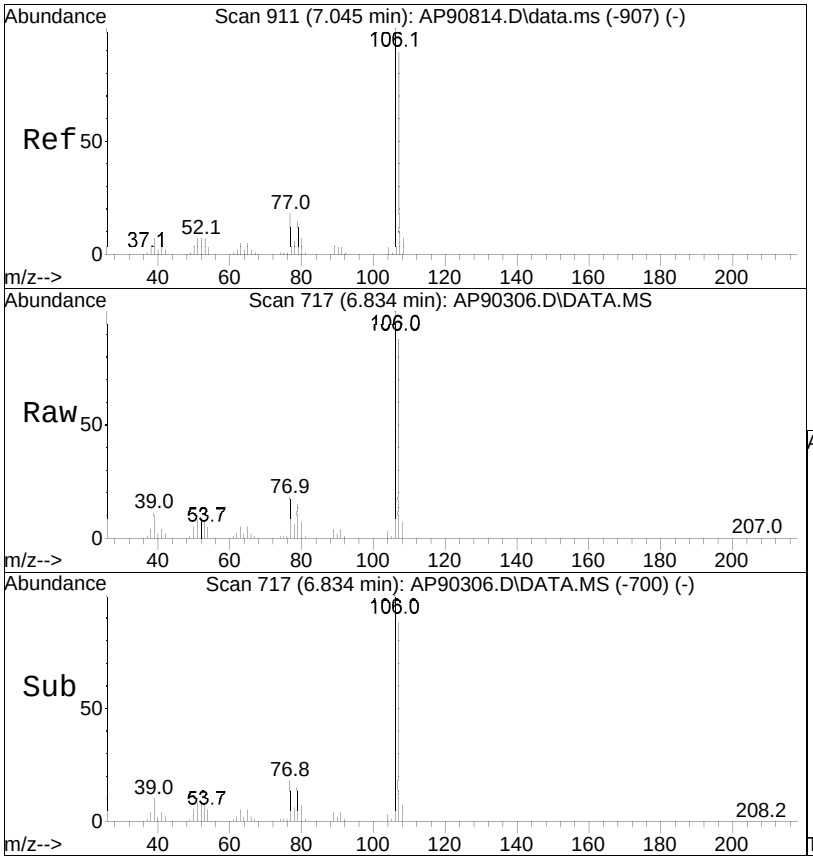


#29
Acetophenone
Concen: 4.96 ug/ml
RT: 6.736 min Scan# 704
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:105 Resp: 207234

Ion	Ratio	Lower	Upper
105	100		
120	19.9	20.5	30.7#
51	32.0	34.9	52.3#

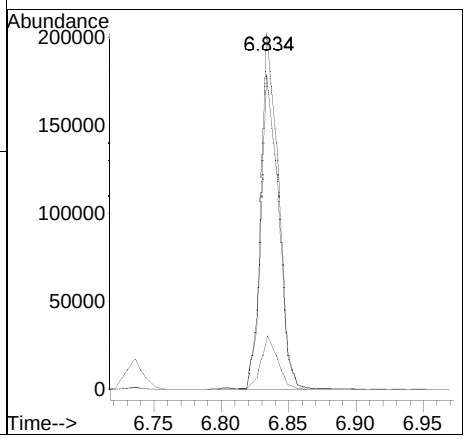


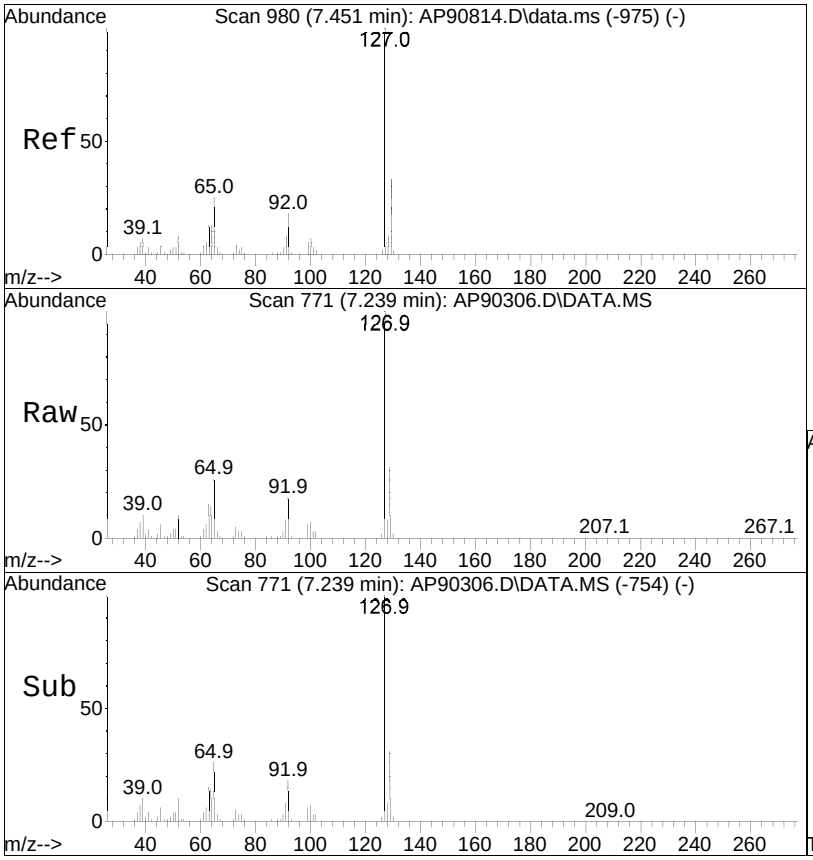


#30
m-Toluidine
Concen: 4.33 ug/ml
RT: 6.834 min Scan# 717
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:106 Resp: 184441

Ion	Ratio	Lower	Upper
106	100		
107	88.3	75.7	113.5
79	14.3	11.8	17.8

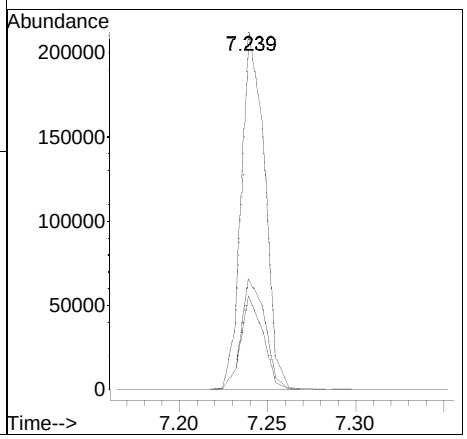


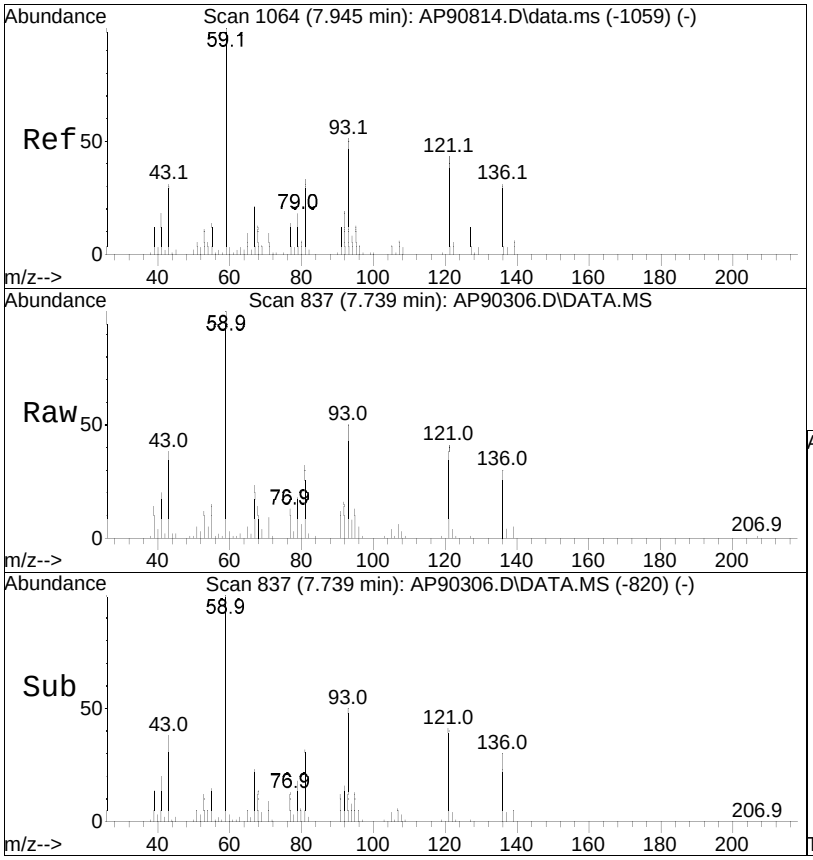


#31
2-Chloroaniline
Concen: 4.96 ug/ml
RT: 7.239 min Scan# 771
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:127 Resp: 194294

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	25.2	26.3	39.5#

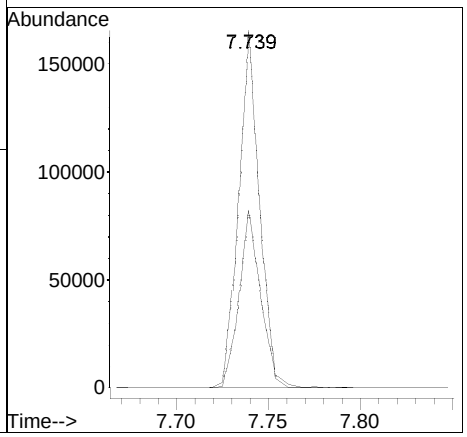


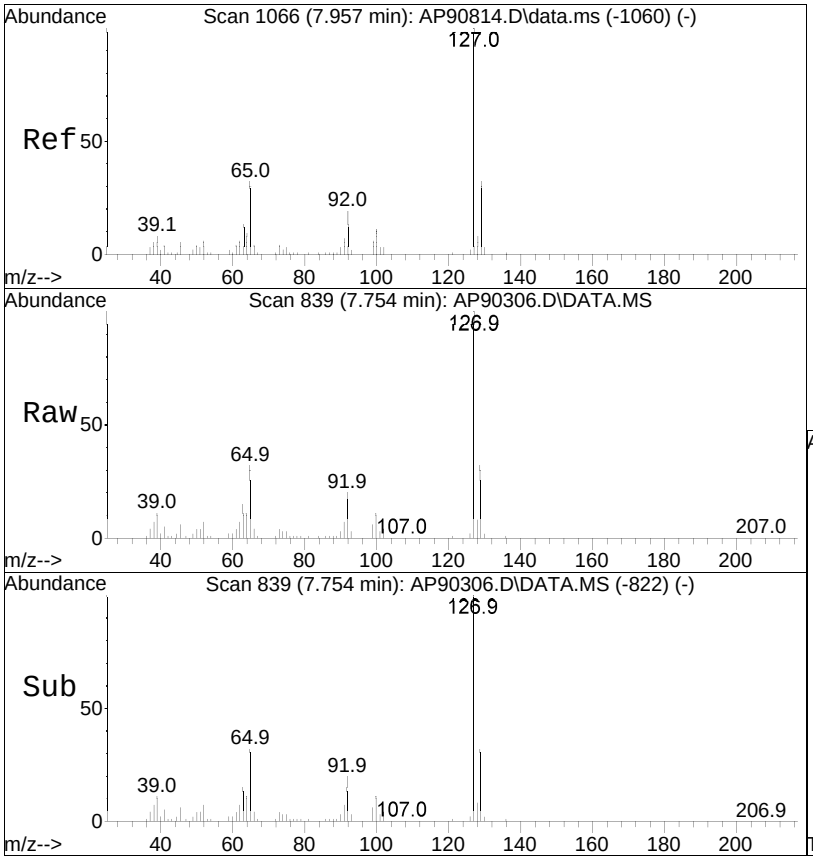


#56
a-Terpineol
Concen: 5.62 ug/ml
RT: 7.739 min Scan# 837
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion: 59 Resp: 128213

Ion	Ratio	Lower	Upper
59	100		
93	53.3	35.6	53.4

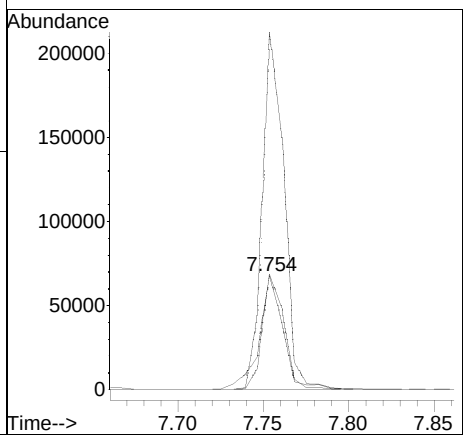


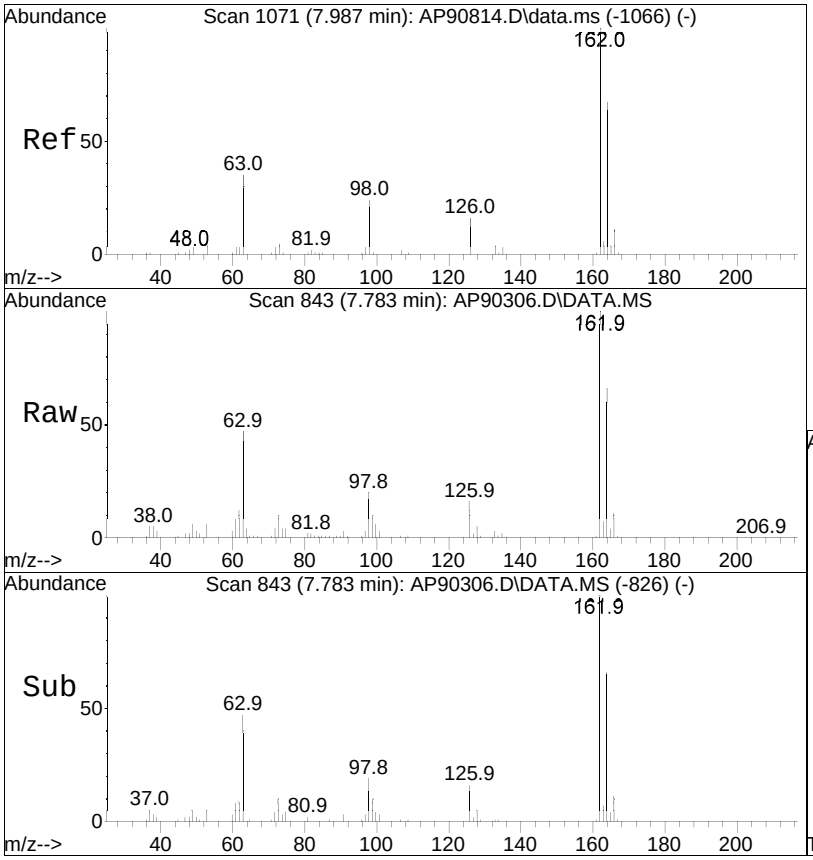


#57
3-Chloroaniline
Concen: 4.83 ug/ml
RT: 7.754 min Scan# 839
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion: 65 Resp: 64954

Ion	Ratio	Lower	Upper
65	100		
127	284.4	243.2	364.8
129	91.7	78.8	118.2

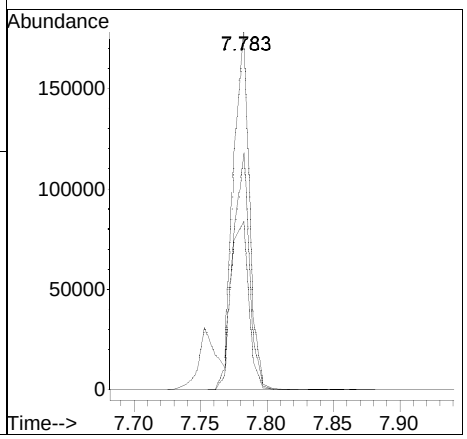


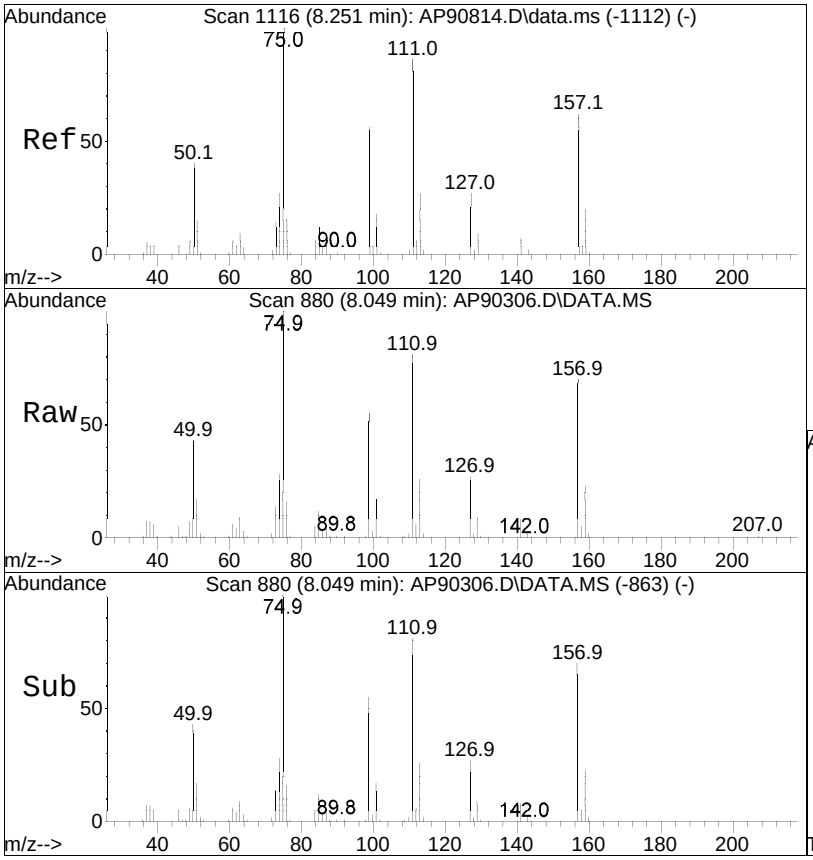


#58
2,6-Dichlorophenol
Concen: 5.27 ug/ml
RT: 7.783 min Scan# 843
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:162 Resp: 151194

Ion	Ratio	Lower	Upper
162	100		
164	66.2	51.1	76.7
63	70.4	60.8	91.2

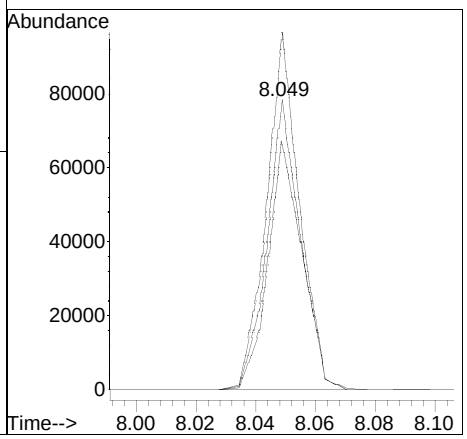


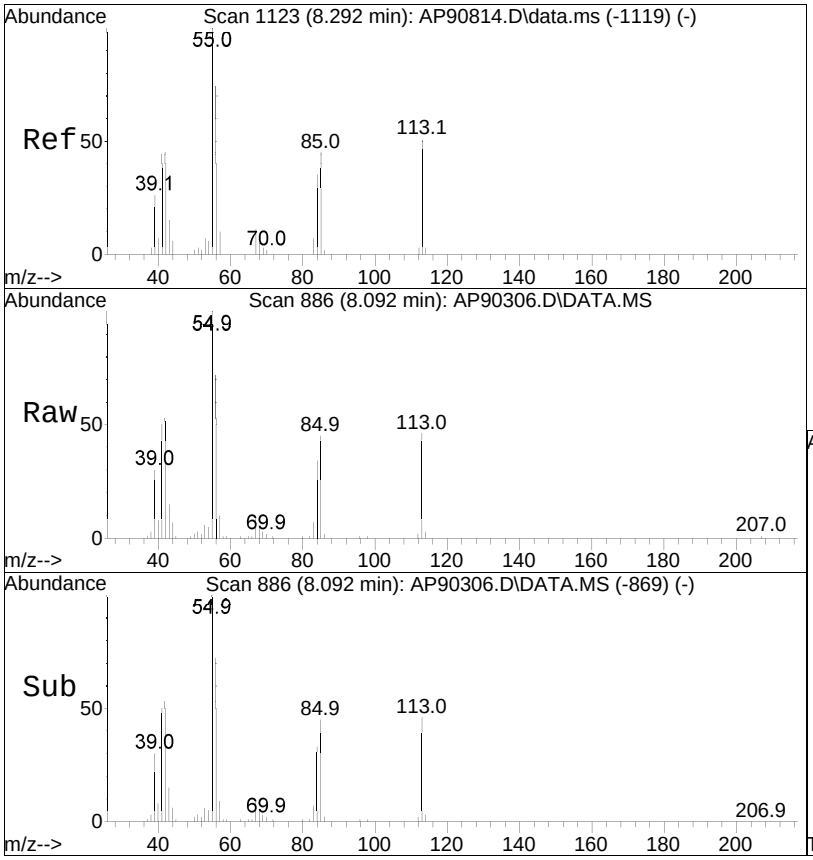


#59
1-chloro-2-nitrobenzene
Concen: 5.31 ug/ml
RT: 8.049 min Scan# 880
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:111 Resp: 60219

Ion	Ratio	Lower	Upper
111	100		
157	87.6	0.0	0.0#
75	122.0	28.2	42.2#

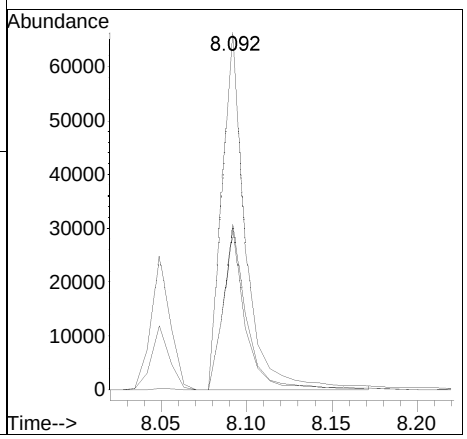


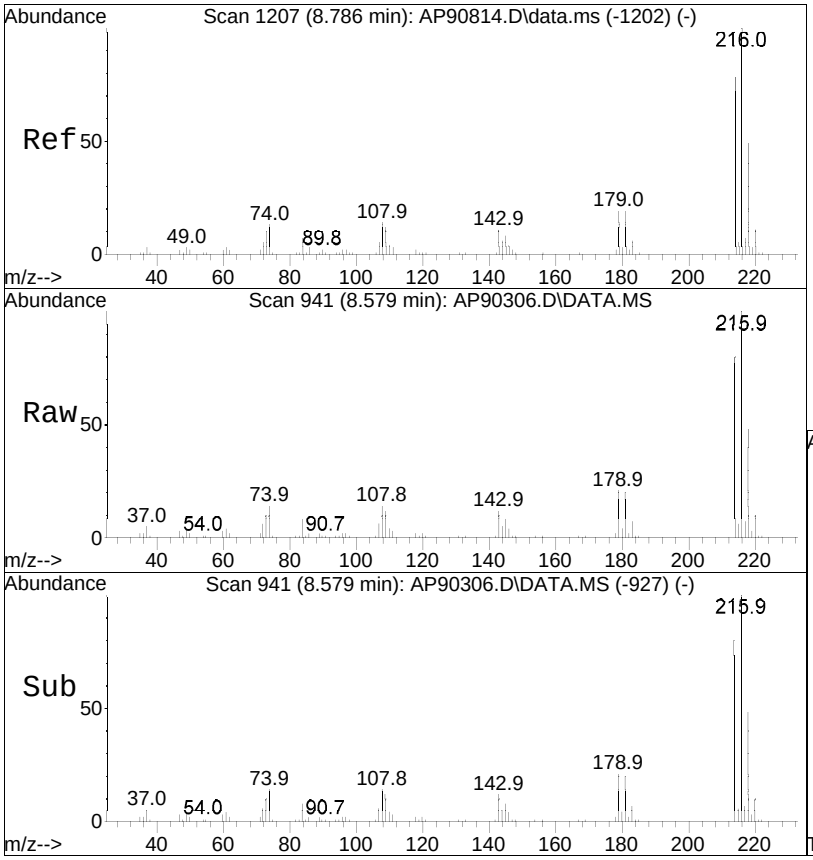


#60
Caprolactam
Concen: 4.22 ug/ml
RT: 8.092 min Scan# 886
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion: 55 Resp: 63887

Ion	Ratio	Lower	Upper
55	100		
85	42.6	19.8	29.6#
113	45.5	29.6	44.4#

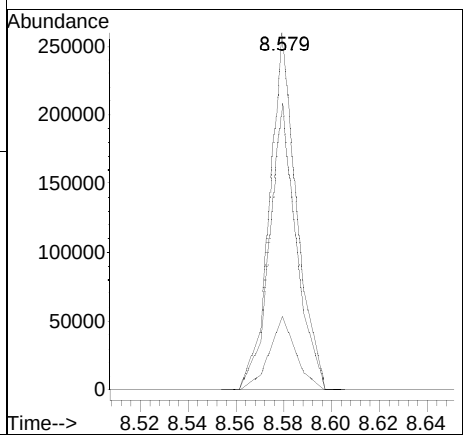


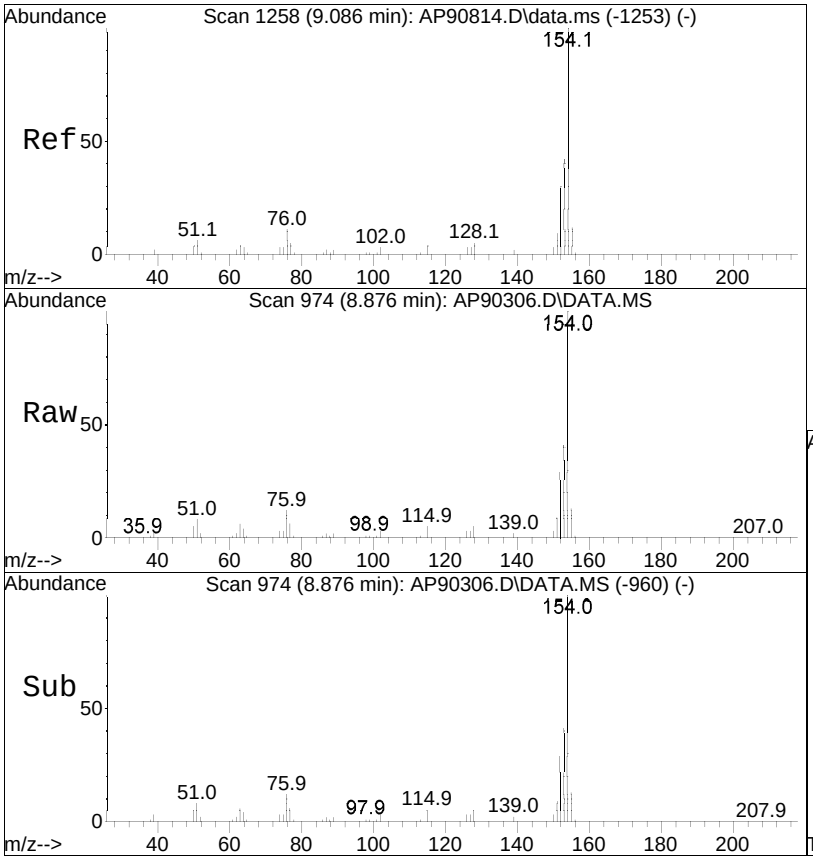


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.76 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:216 Resp: 203186

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.7	95.5
179	20.4	19.0	28.6

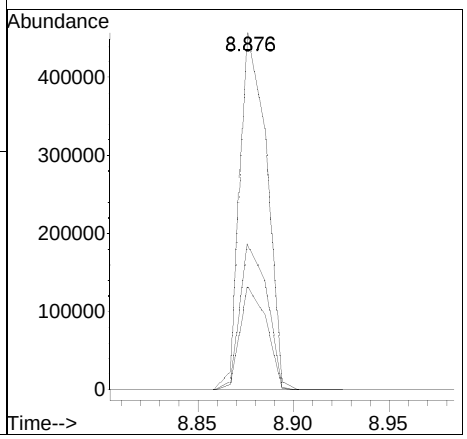


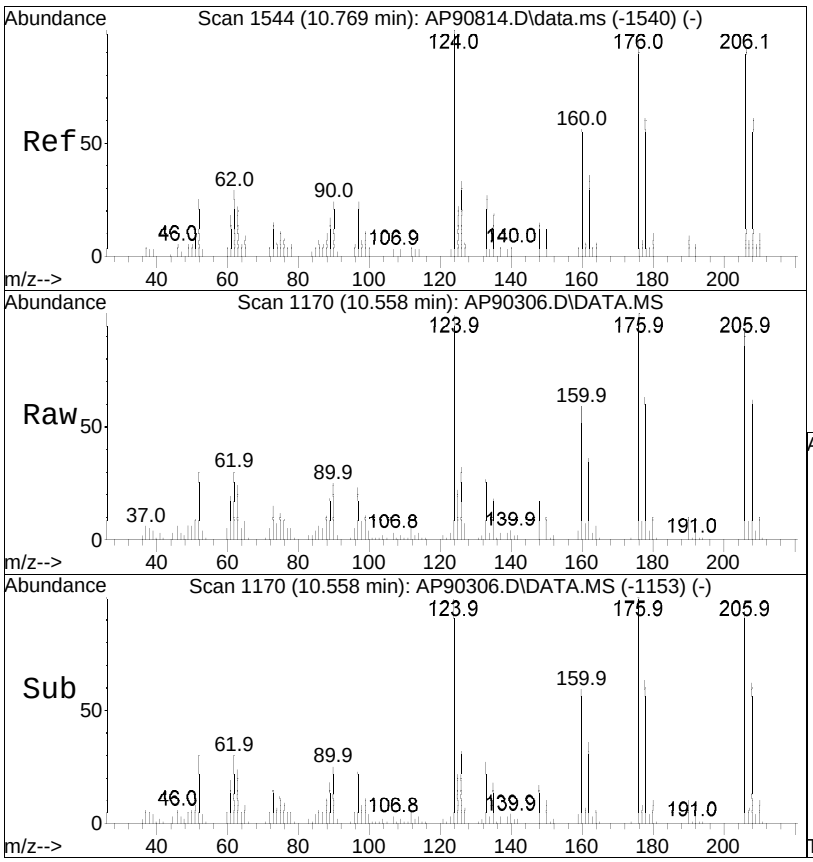


#62
Biphenyl
Concen: 4.61 ug/ml
RT: 8.876 min Scan# 974
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:154 Resp: 445829

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.3	48.5
152	28.8	22.5	33.7

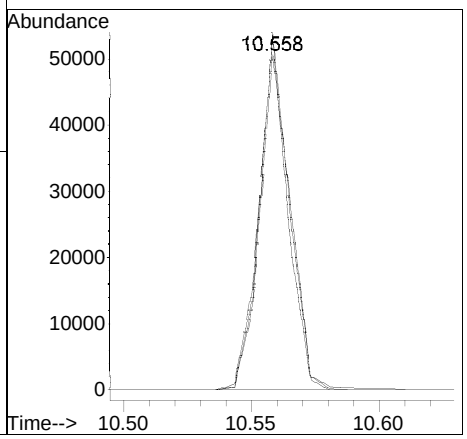


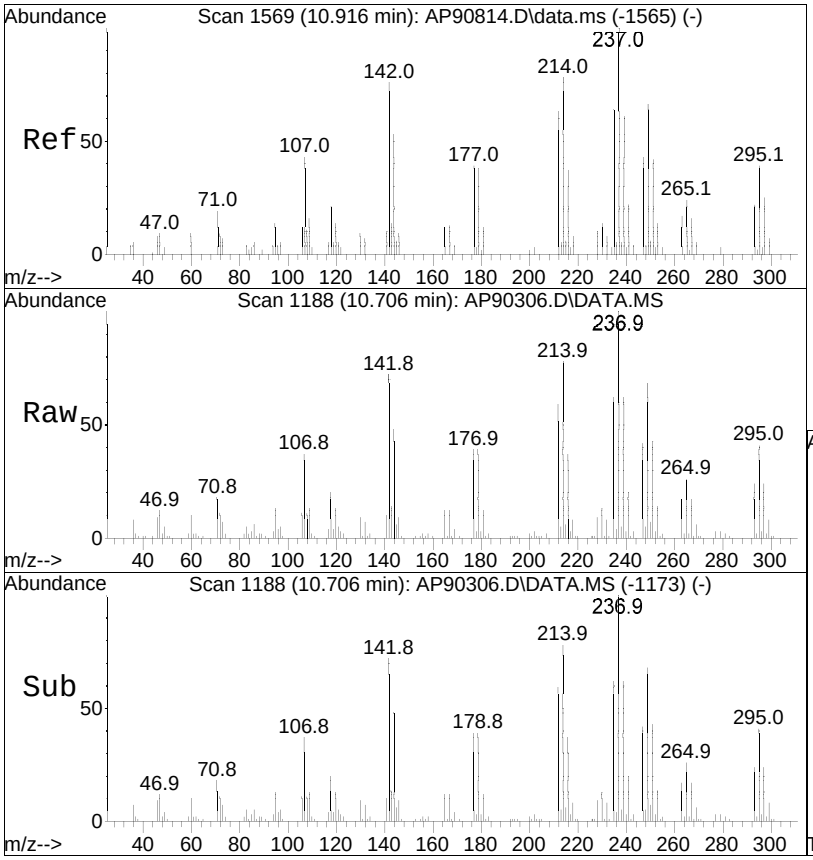


#84
Dichloran
Concen: 4.08 ug/ml
RT: 10.558 min Scan# 1170
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:206 Resp: 41491

Ion	Ratio	Lower	Upper
206	100		
176	121.1	104.6	157.0
124	99.2	130.5	195.7#

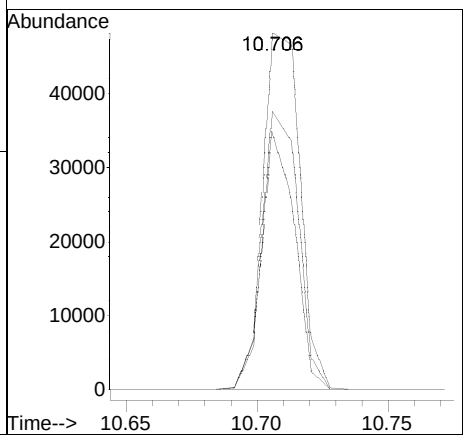


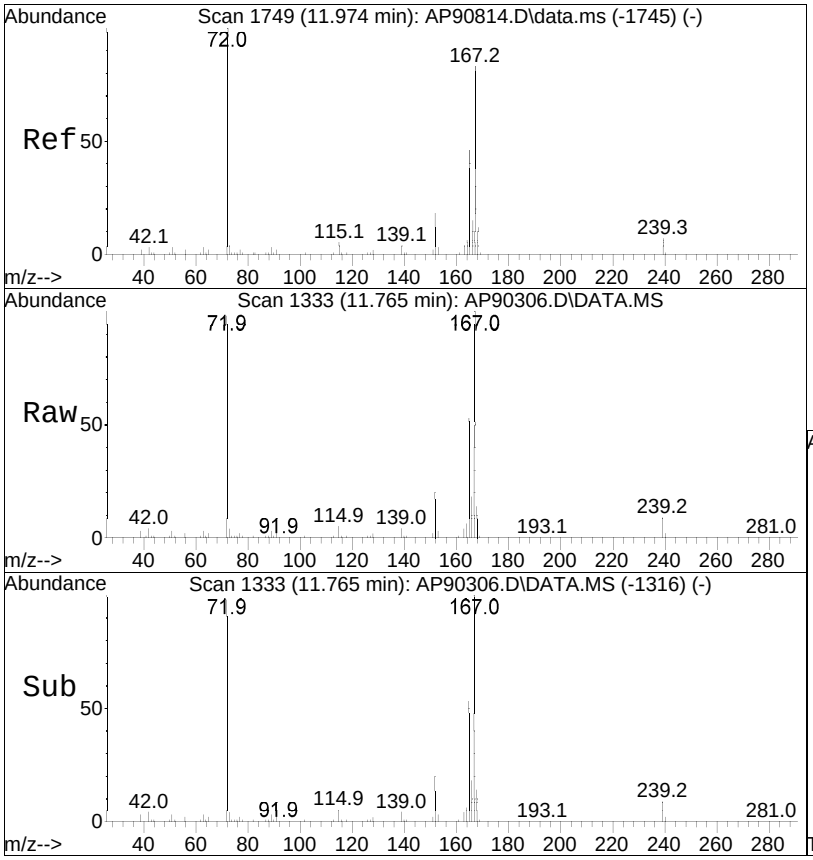


#85
Pentachloronitrobenzene
Concen: 4.47 ug/ml
RT: 10.706 min Scan# 1188
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:237 Resp: 47616

Ion	Ratio	Lower	Upper
237	100		
142	64.5	77.0	115.4#
214	75.1	58.2	87.4

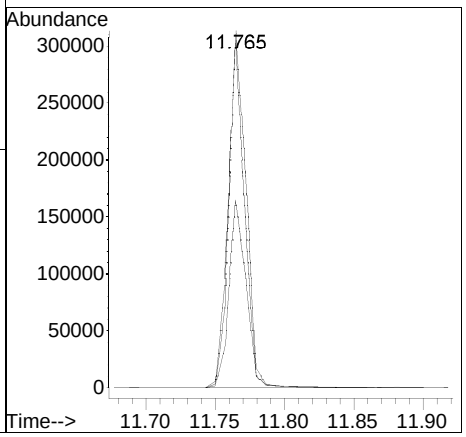




#99
Diphenamid
Concen: 4.16 ug/ml
RT: 11.765 min Scan# 1333
Delta R.T. 0.000 min
Lab File: AP90306.D
Acq: 6 Mar 2025 10:54 am

Tgt Ion:167 Resp: 263950

Ion	Ratio	Lower	Upper
167	100		
72	93.6	109.7	164.5#
165	54.1	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV107\250306RVT\	QMethod	: FS250303SV107RVT.m
Data File	: AP90306.D	Operator	: SV107:slr
Date Inj'd	: 3/6/2025 10:54 am	Instrument	: SV107
Sample	: WG2037390-4,32,,AP9 11152	Quant Date	: 3/6/2025 11:17 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV107\250306RVT\
Data File : ADP0306.D
Acq On : 6 Mar 2025 11:20 am
Operator : SV107:slr
Sample : WG2037390-5,32,,ADP 11153 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 11:54:31 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	117	0.00
33		1,4-Dioxane		0.528	0.417	21.0#	108	0.00
34	T	n-Decane		1.421	1.262	11.2	111	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	130	0.00
87	T	Atrazine	*	5.000	4.683	6.3	122	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	119	0.00
101	T	n-Octadecane		0.368	0.392	-6.5	126	0.00
102	T	Parathion	*	5.000	5.430	-8.6	135	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.992	0.2	122	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ADP0306.D
Acq On : 6 Mar 2025 11:20 am
Operator : SV107:slr
Sample : WG2037390-5,32,,ADP 11153 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 11:54:31 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:22 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	6.222	152	112809	4.000	ug/ml		0.00
86)	IS3_Acenaphthene-d10	9.421	164	259991	4.000	ug/ml		0.00
100)	IS3_Phenanthrene-d10	10.859	188	543463	4.000	ug/ml	#	0.00
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.660	88	58746	3.944	ug/ml	#	72
34)	n-Decane	6.120	57	178023	4.442	ug/ml	#	42
87)	Atrazine	10.640	200	118154	4.683	ug/ml		95
101)	n-Octadecane	10.845	57	266507	5.333	ug/ml	#	1
102)	Parathion	11.648	109	40497	5.430	ug/ml	#	94
103)	3,3'-Dimethylbenzidine	12.918	212	351529	4.992	ug/ml		99

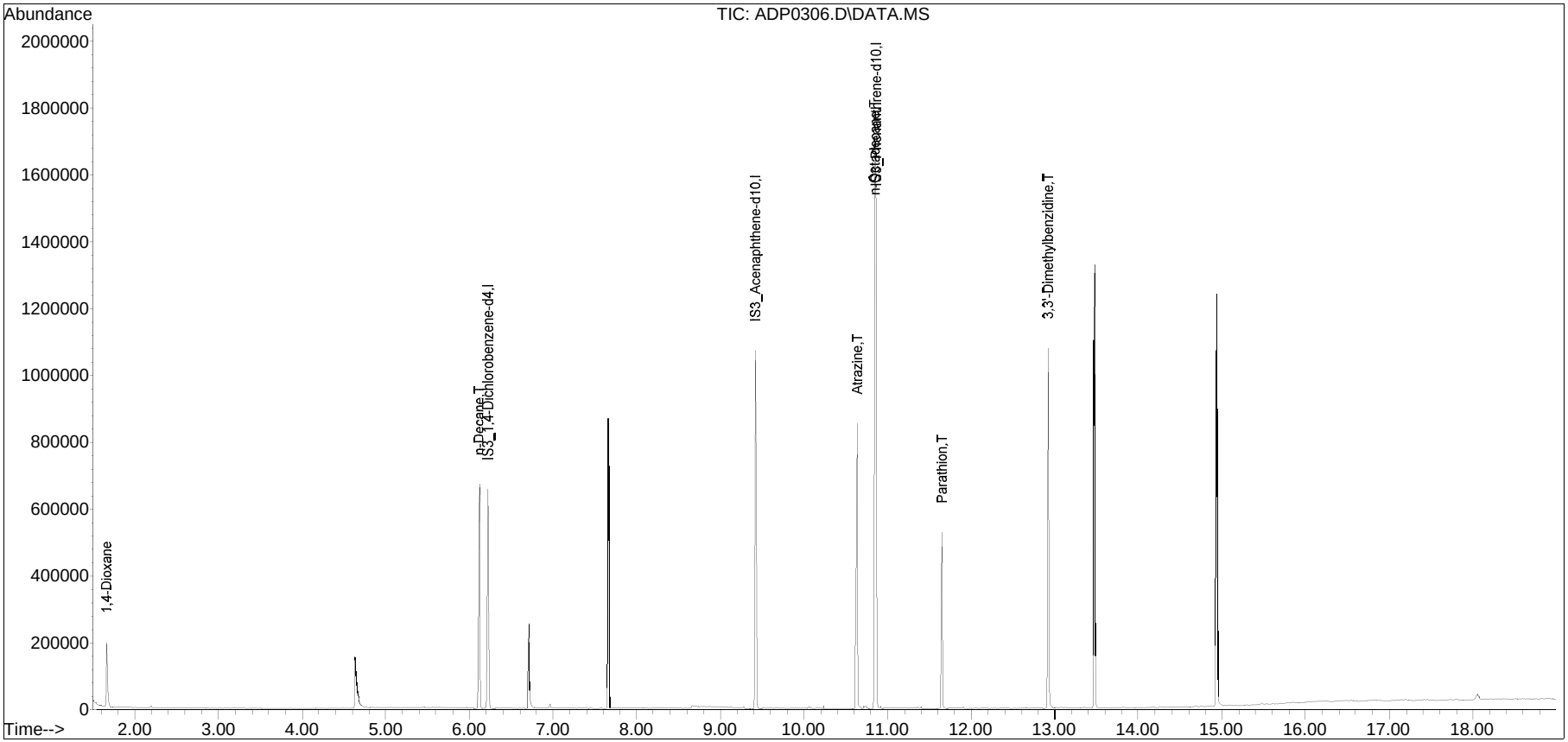
(#) = qualifier out of range (m) = manual integration (+) = signals summed

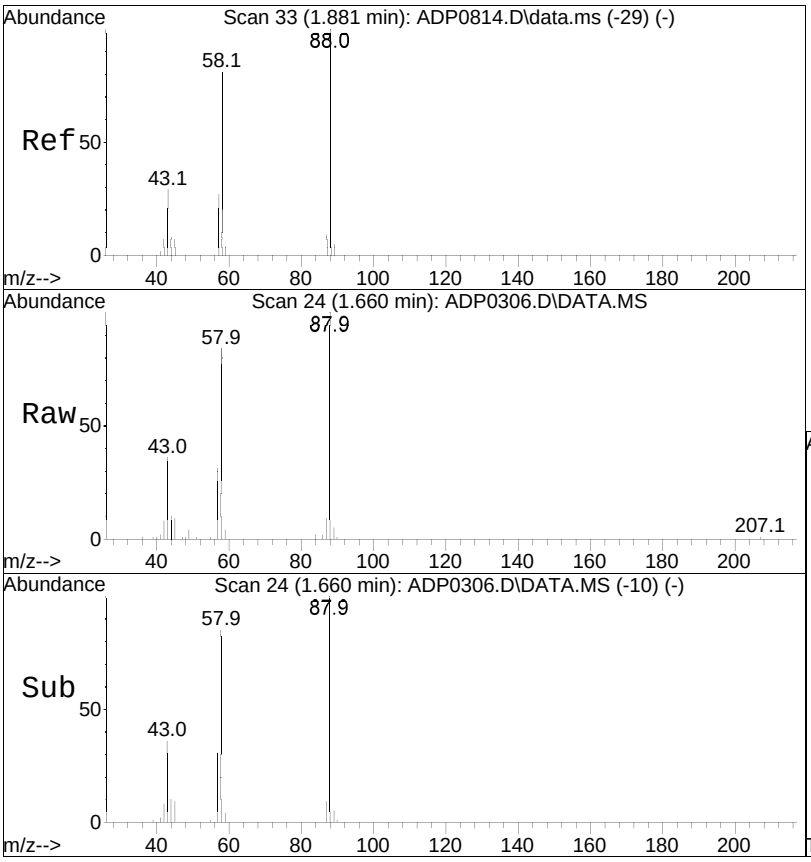
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : ADP0306.D
Acq On : 6 Mar 2025 11:20 am
Operator : SV107:slr
Sample : WG2037390-5,32,,ADP 11153 gmr0304A
Misc : WG2037390,,ical22052
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Mar 06 11:54:31 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:22 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

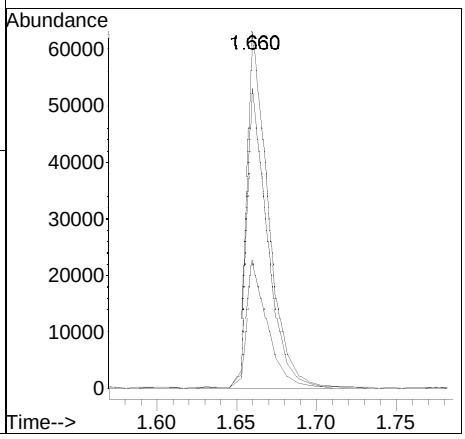


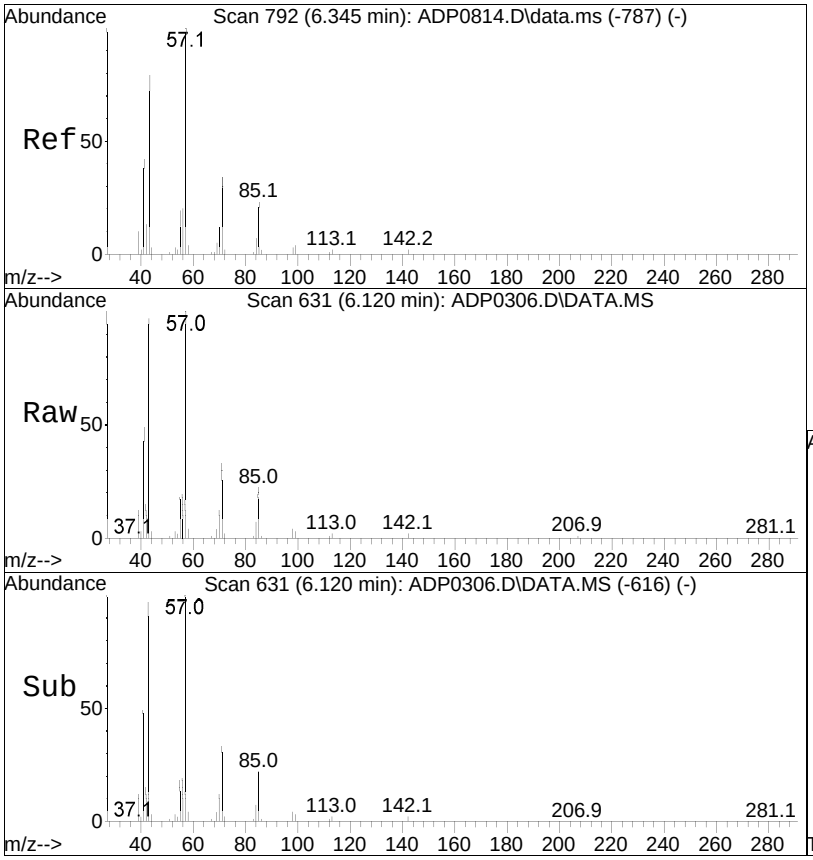


#33
1,4-Dioxane
Concen: 3.94 ug/ml
RT: 1.660 min Scan# 24
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion: 88 Resp: 58746

Ion	Ratio	Lower	Upper
88	100		
58	81.2	44.8	67.2#
43	35.9	22.4	33.6#

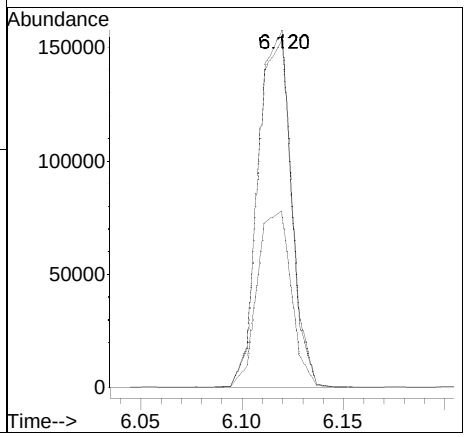


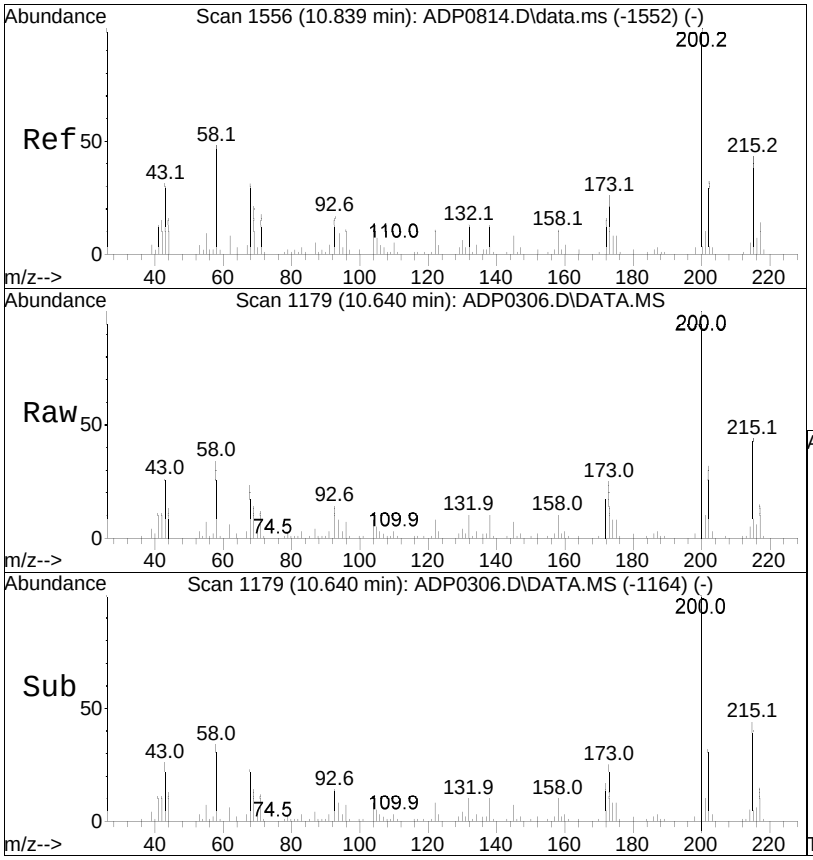


#34
n-Decane
Concen: 4.44 ug/ml
RT: 6.120 min Scan# 631
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion: 57 Resp: 178023

Ion	Ratio	Lower	Upper
57	100		
43	98.0	0.2	0.2#
41	50.6	0.2	0.2#

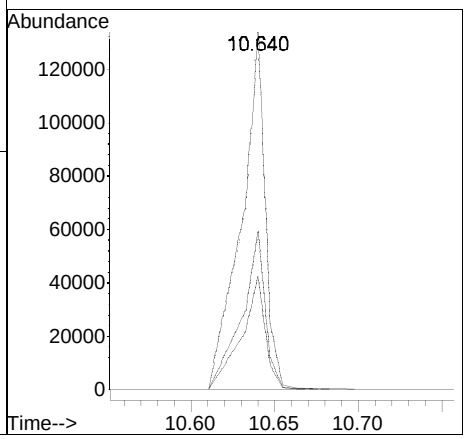


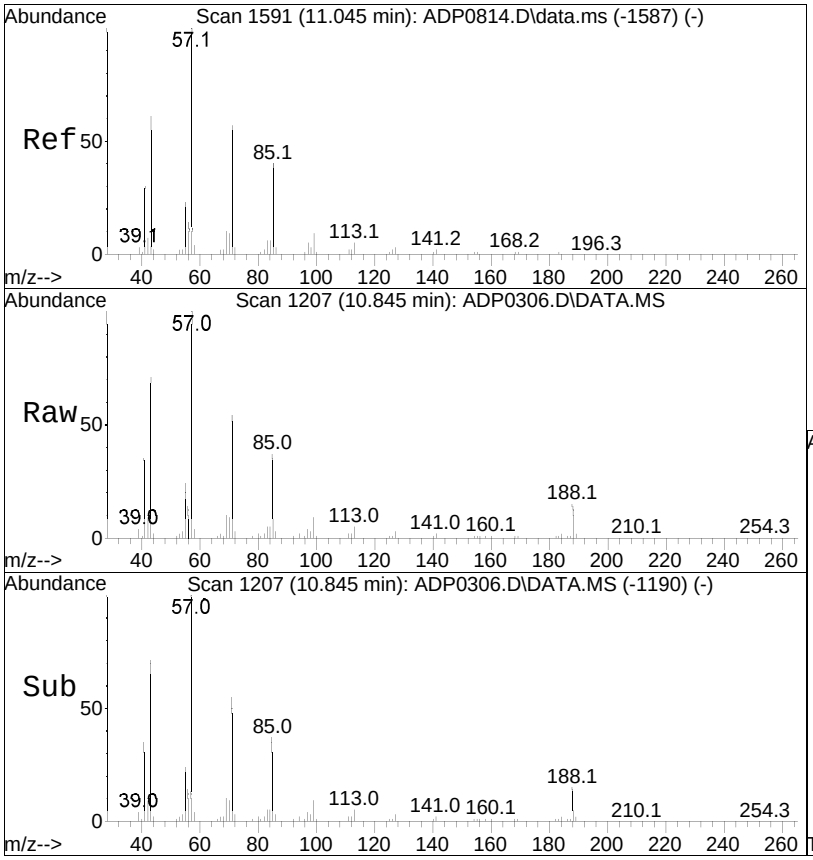


#87
Atrazine
Concen: 4.68 ug/ml
RT: 10.640 min Scan# 1179
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion:200 Resp: 118154

Ion	Ratio	Lower	Upper
200	100		
202	33.2	25.8	38.6
215	45.8	40.2	60.4

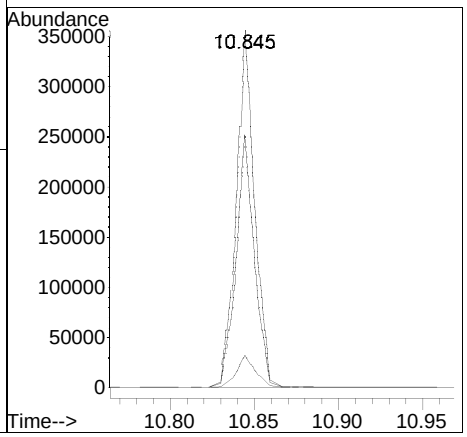


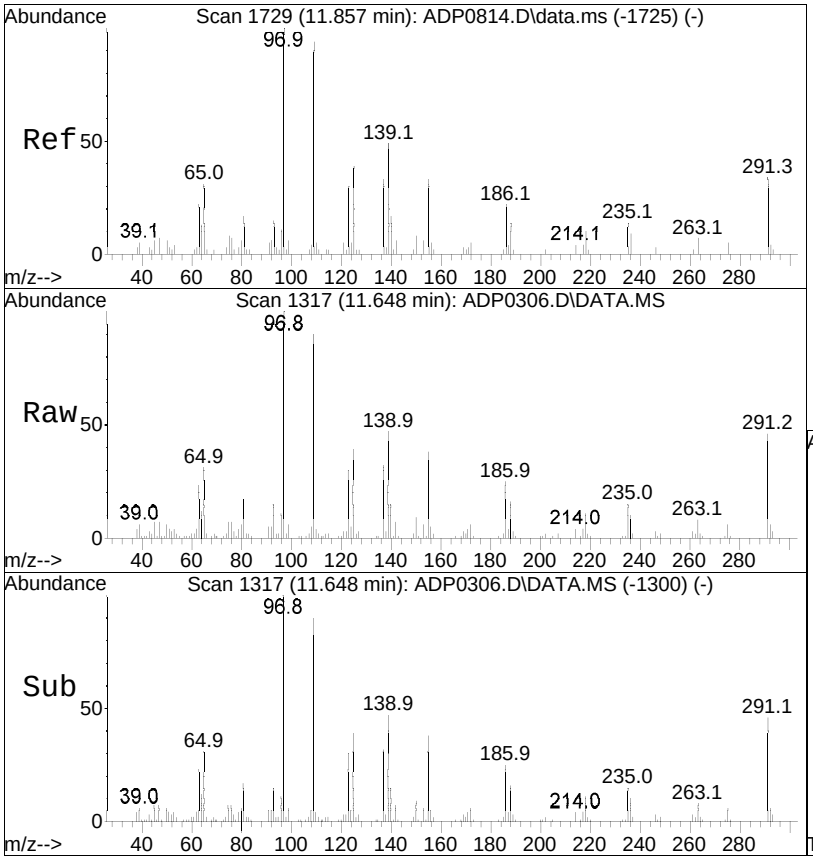


#101
n-Octadecane
Concen: 5.33 ug/ml
RT: 10.845 min Scan# 1207
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion: 57 Resp: 266507

Ion	Ratio	Lower	Upper
57	100		
43	71.1	9.0	13.6#
70	9.4	0.2	0.2#

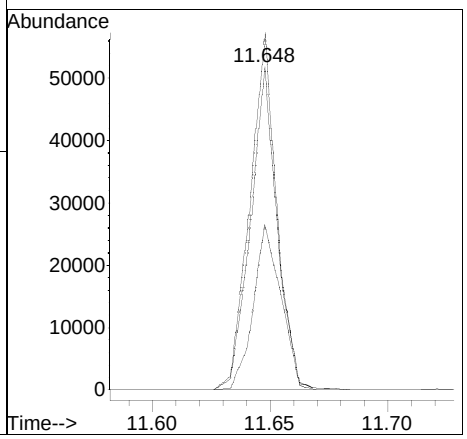


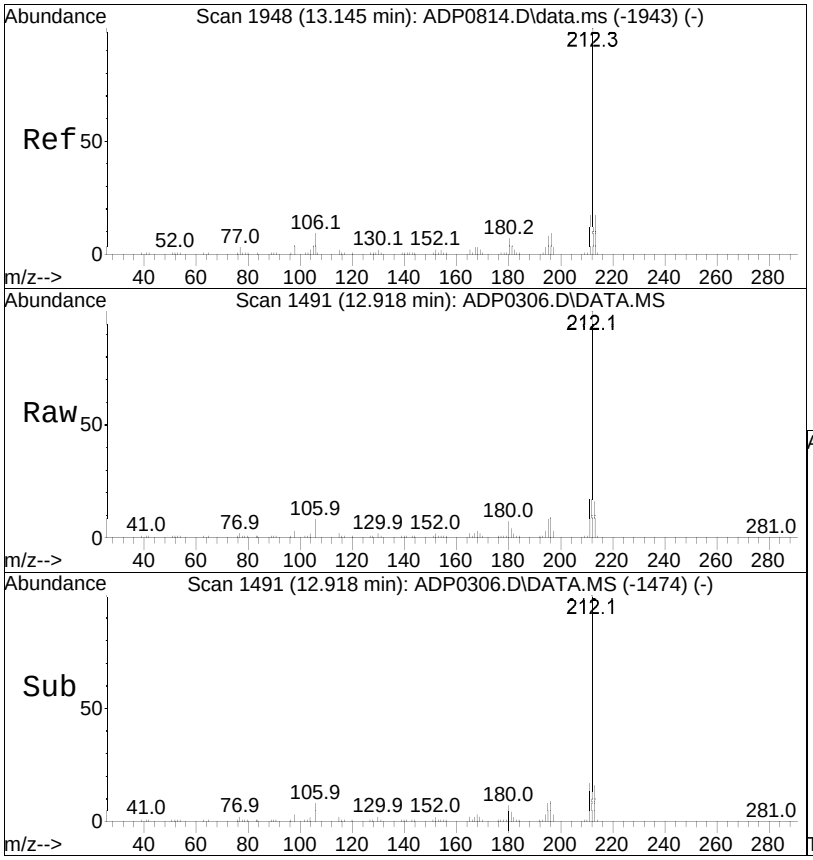


#102
Parathion
Concen: 5.43 ug/ml
RT: 11.648 min Scan# 1317
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion:109 Resp: 40497

Ion	Ratio	Lower	Upper
109	100		
97	111.8	87.4	131.2
291	53.0	34.2	51.2#

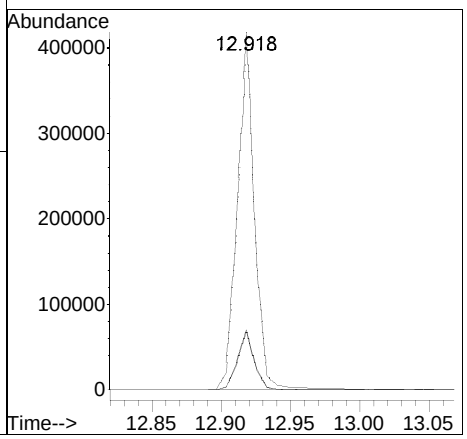




#103
3,3'-Dimethylbenzidine
Concen: 4.99 ug/ml
RT: 12.918 min Scan# 1491
Delta R.T. 0.000 min
Lab File: ADP0306.D
Acq: 6 Mar 2025 11:20 am

Tgt Ion:212 Resp: 351529

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

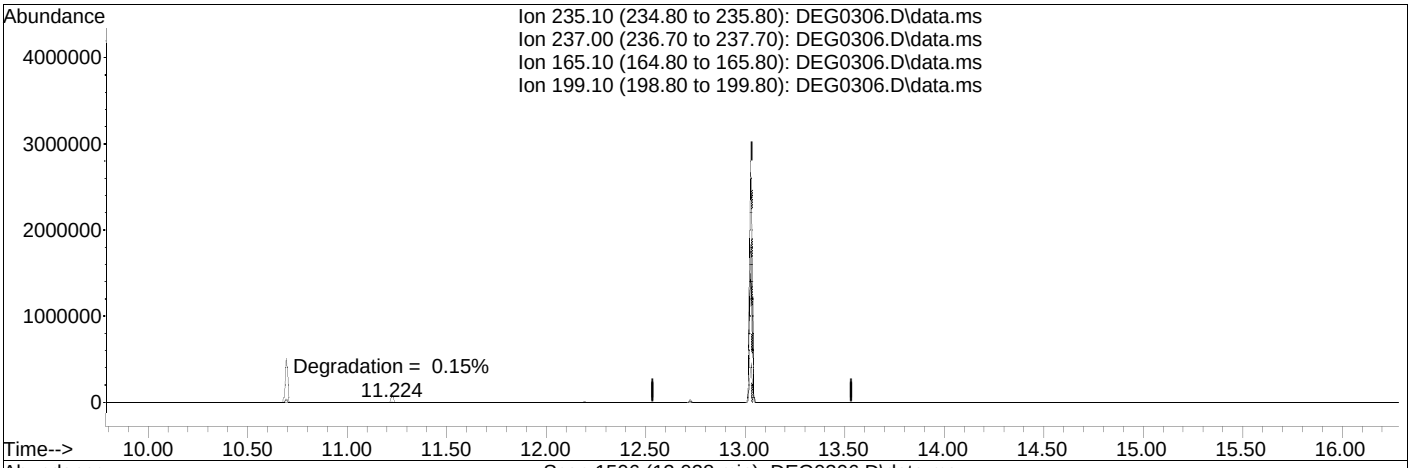
Data Path	: I:\8270\SV107\250306RVT\	QMethod	: FS250303SV107RVT.m
Data File	: ADP0306.D	Operator	: SV107:slr
Date Inj'd	: 3/6/2025 11:20 am	Instrument	: SV107
Sample	: WG2037390-5,32,,ADP 11153	Quant Date	: 3/6/2025 11:55 am

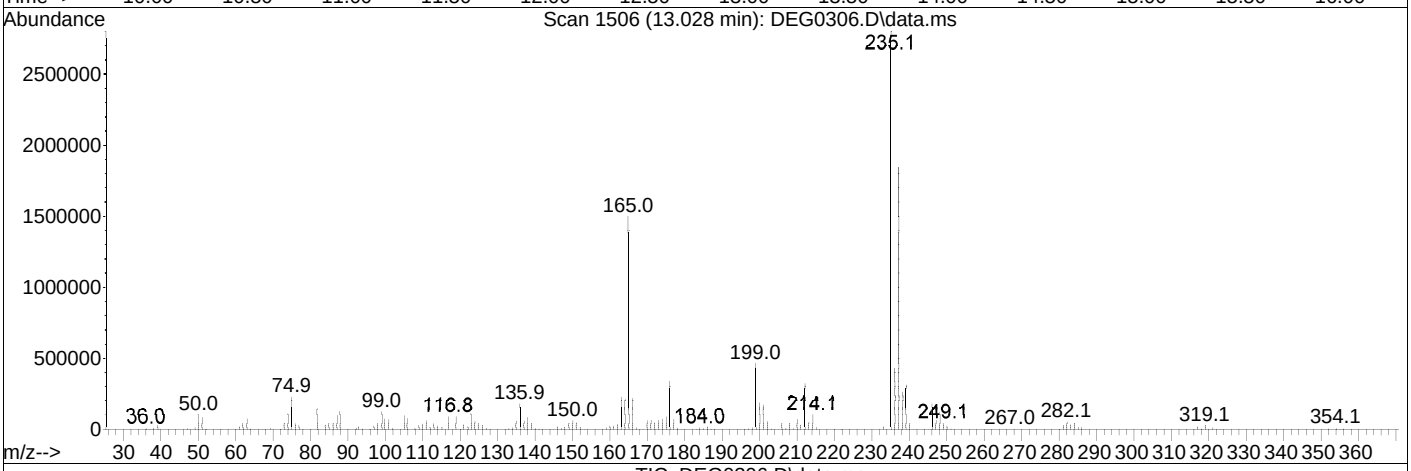
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250306RVT\
Data File : DEG0306.D
Acq On : 6 Mar 2025 10:02 am
Operator : SV107:slr
Sample : WG2037390-2,32,,Degdftpp Lot # 11424 (Sig #1); wg-1,32,,Degdftpp L
Misc : WG2037390,,ical22052 (Sig #1); wg,,ical22052 (Sig #2)
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 10:28:50 2025
Quant Method : I:\8270\SV107\250306RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration





TIC: DEG0306.D\data.ms

(6) DDT (T)

13.028min (-0.007) 458.48

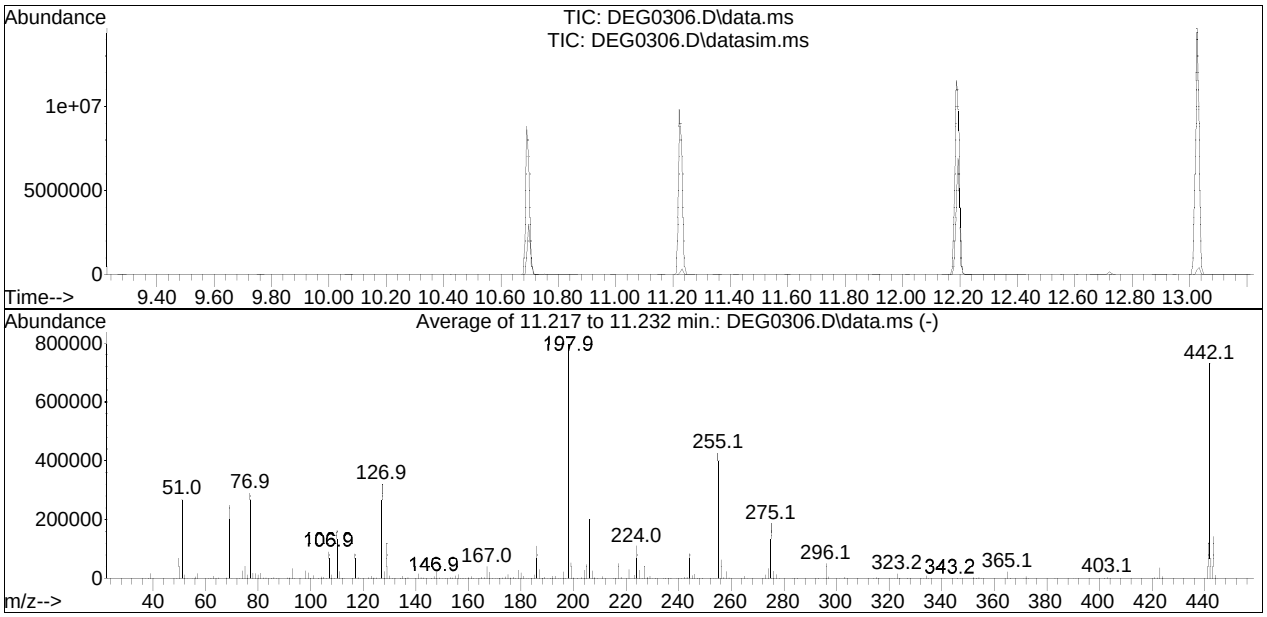
response 2794749

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	66.47
165.10	55.40	51.98
199.10	16.20	16.62

Data Path : I:\8270\SV107\250306RVT\
Data File : DEG0306.D
Acq On : 6 Mar 2025 10:02 am
Operator : SV107:gmr
Sample : WG2037390-1,32,,Degdftpp Lot # 11424 (Sig #1); wg-1,32,,Degdftpp L
Misc : WG2037390,,ical22052 (Sig #1); wg,,ical22052 (Sig #2)
ALS Vial : 141 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Mar 06 11:17:12 2025



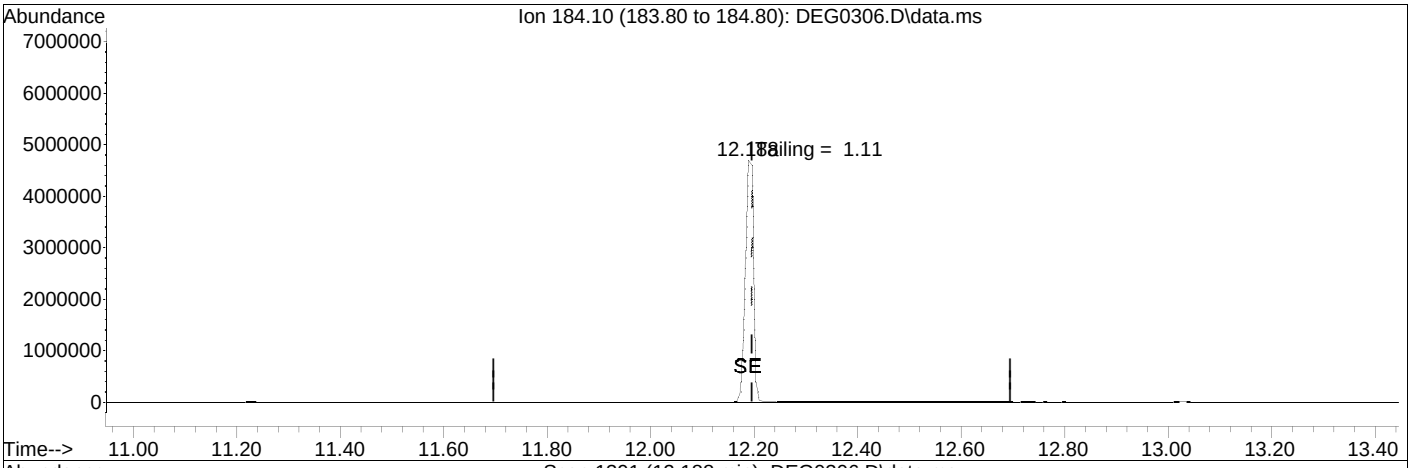
Spectrum Information: Average of 11.217 to 11.232 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.8	269333	PASS
68	69	0.00	2	1.6	3923	PASS
69	69	100	100	100.0	247211	PASS
70	69	0.00	2	0.5	1275	PASS
127	198	10	80	40.4	321493	PASS
197	198	0.00	2	0.4	2981	PASS
198	198	100	100	100.0	795669	PASS
199	198	5	9	6.8	53789	PASS
275	198	10	60	23.4	185861	PASS
365	198	1	100	2.8	22555	PASS
441	442	0.01	24	17.0	124045	PASS
442	198	50	100	91.9	730832	PASS
443	442	15	24	19.6	143152	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250306RVT\
Data File : DEG0306.D
Acq On : 6 Mar 2025 10:02 am
Operator : SV107:slr
Sample : WG2037390-6,32,,Degdftpp Lot # 11424 (Sig #1); wg-1,32,,Degdftpp L
Misc : WG2037390,,ical22052 (Sig #1); wg,,ical22052 (Sig #2)
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 10:28:50 2025
Quant Method : I:\8270\SV107\250306RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration



TIC: DEG0306.D\data.ms

(3) Benzidine (T)

12.188min (-0.008) 492.49

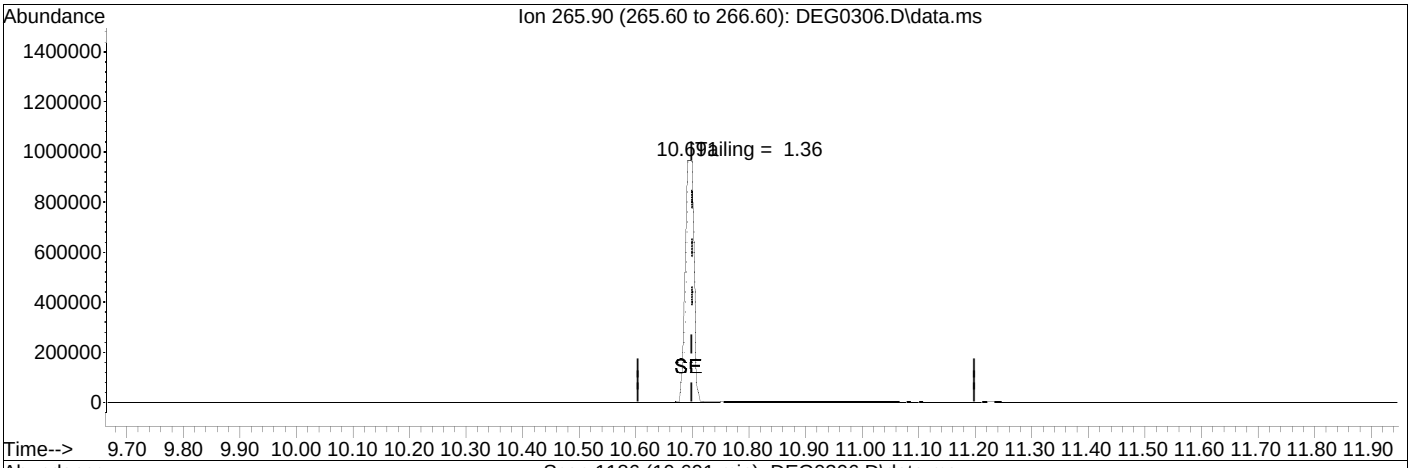
response 5013594

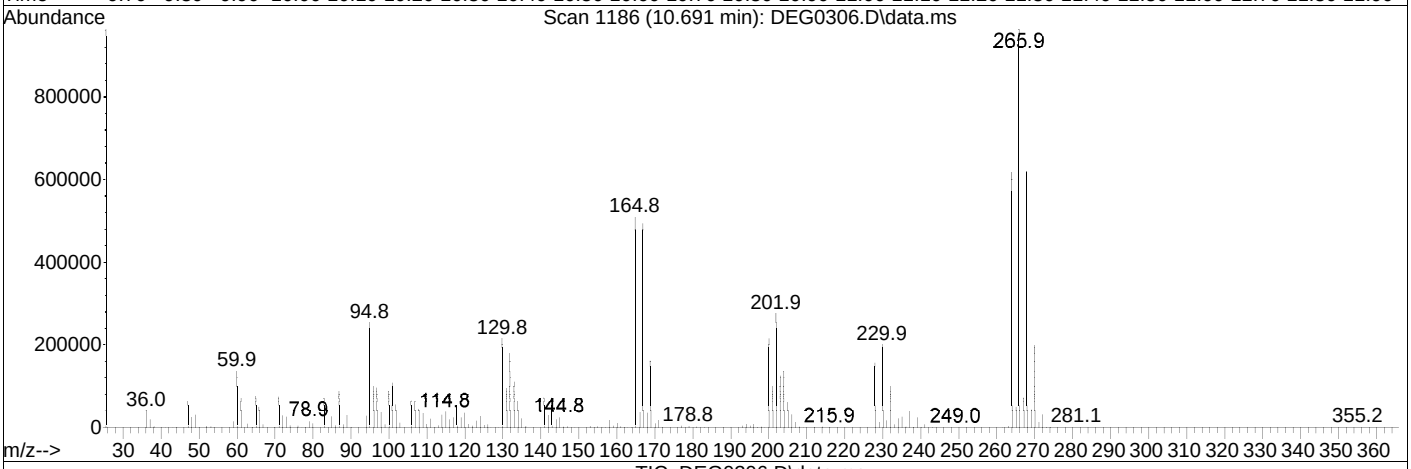
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV107\250306RVT\
Data File : DEG0306.D
Acq On : 6 Mar 2025 10:02 am
Operator : SV107:slr
Sample : WG2037390-7,32,,Degdftpp Lot # 11424 (Sig #1); wg-1,32,,Degdftpp L
Misc : WG2037390,,ical22052 (Sig #1); wg,,ical22052 (Sig #2)
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 06 10:28:50 2025
Quant Method : I:\8270\SV107\250306RVT\DftppSV107.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 05 13:38:17 2025
Response via : Initial Calibration





TIC: DEG0306.D\data.ms

(1) Pentachlorophenol (T)

10.691min (-0.008) 463.76

response 974059

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	105	0
n-Nitrosodimethylamine	0.76	0.822	-	-8.2	20	115	0
Pyridine	1.219	1.309	-	-7.4	20	114	0
2-Fluorophenol	1.245	1.168	-	6.2	20	100	0
Aniline	1.771	1.759	-	0.7	20	102	0
2-Chlorophenol	1.365	1.305	-	4.4	20	99	0
Phenol-d6	1.498	1.508	-	-0.7	20	108	0
Phenol	1.555	1.592	-	-2.4	20	107	0
Bis(2-chloroethyl)ether	1.28	1.222	-	4.5	20	100	0
1,3-Dichlorobenzene	1.669	1.521	-	8.9	20	98	0
1,4-Dichlorobenzene	1.7	1.543	-	9.2	20	98	0
1,2-Dichlorobenzene	1.63	1.474	-	9.6	20	97	0
Benzyl alcohol	1.06	1.089	-	-2.7	20	108	0
Bis(2-chloroisopropyl)ethe	2.014	1.679	-	16.6	20	90	0
2-Methylphenol	1.123	1.065	-	5.2	20	98	0
Hexachloroethane	0.614	0.614	-	0	20	108	0
n-Nitrosodi-n-propylamine	0.94	0.941	-	-0.1	20	103	0
3-Methylphenol/4-Methylphe	1.225	1.147	-	6.4	20	97	0
Nitrobenzene-d5	1.359	1.428	-	-5.1	20	110	0
Nitrobenzene	1.389	1.465	-	-5.5	20	112	0
Isophorone	2.416	2.571	-	-6.4	20	109	0
2-Nitrophenol	0.713	0.669	-	6.2	20	94	0
2,4-Dimethylphenol	1.119	0.562	-	49.8*	20	53	0
Bis(2-chloroethoxy)methane	1.614	1.588	-	1.6	20	102	0
2,4-Dichlorophenol	1.25	1.117	-	10.6	20	90	0
1,2,4-Trichlorobenzene	1.449	1.306	-	9.9	20	98	0
IS1_Naphthalene-d8	1	1	-	0	20	100	0
Naphthalene	1.129	1.064	-	5.8	20	98	0
Benzoic Acid	5	5.051	-	-1	20	104	0
4-Chloroaniline	0.127	0.136	-	-7.1	20	106	0
Hexachlorobutadiene	0.239	0.245	-	-2.5	20	103	0
p-Chloro-m-cresol	0.296	0.316	-	-6.8	20	104	0
2-Methylnaphthalene	0.752	0.714	-	5.1	20	96	0
1-Methylnaphthalene	0.243	0.255	-	-4.9	20	108	0
Hexachlorocyclopentadiene	0.262	0.223	-	14.9	20	86	0
2,4,6-Trichlorophenol	0.275	0.243	-	11.6	20	86	0
2,4,5-Trichlorophenol	0.285	0.261	-	8.4	20	91	0
2-Fluorobiphenyl	0.926	0.829	-	10.5	20	91	0
2-Chloronaphthalene	0.785	0.704	-	10.3	20	92	0
2-Nitroaniline	0.223	0.213	-	4.5	20	91	0
1,4-Dinitrobenzene	0.114	0.11	-	3.5	20	90	0
1,3-Dinitrobenzene	0.125	0.127	-	-1.6	20	93	0
Dimethyl phthalate	0.915	0.869	-	5	20	92	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.17	1.079	-	7.8	20	92	0
2,6-Dinitrotoluene	0.186	0.189	-	-1.6	20	93	0
1,2-Dinitrobenzene	0.081	0.082	-	-1.2	20	96	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.323	0.299	-	7.4	20	91	0
Acenaphthene	1.157	1.027	-	11.2	20	95	0
2,4-Dinitrophenol	5	4.203	-	15.9	20	79	0
Dibenzofuran	1.872	1.663	-	11.2	20	96	0
2,4-Dinitrotoluene	0.419	0.423	-	-1	20	98	0
4-Nitrophenol	0.239	0.251	-	-5	20	100	0
2,3,5,6-Tetrachlorophenol	0.39	0.368	-	5.6	20	92	0
2,3,4,6-Tetrachlorophenol	0.385	0.367	-	4.7	20	94	0
Diethyl phthalate	1.518	1.388	-	8.6	20	96	0
Fluorene	1.462	1.342	-	8.2	20	96	0
4-Chlorophenyl phenyl ethe	0.75	0.67	-	10.7	20	95	0
4-Nitroaniline	0.329	0.302	-	8.2	20	93	0
4,6-Dinitro-o-cresol	5	4.633	-	7.3	20	101	0
NDPA/DPA	1.261	1.146	-	9.1	20	93	0
Azobenzene	1.232	1.334	-	-8.3	20	110	0
2,4,6-Tribromophenol	0.226	0.2	-	11.5	20	89	0
4-Bromophenyl phenyl ether	0.465	0.404	-	13.1	20	91	0
Hexachlorobenzene	0.526	0.434	-	17.5	20	89	0
Pentachlorophenol	0.319	0.3	-	6	20	94	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.174	1.069	-	8.9	20	96	0
Anthracene	1.17	1.056	-	9.7	20	96	0
Carbazole	1.054	0.993	-	5.8	20	96	0
Di-n-butylphthalate	1.319	1.221	-	7.4	20	91	0
Fluoranthene	1.353	1.276	-	5.7	20	96	0
Benzidine	0.776	0.466	-	39.9*	20	56	0
Pyrene	1.428	1.326	-	7.1	20	95	0
4-Terphenyl-d14	1.073	0.953	-	11.2	20	91	0
Butyl benzyl phthalate	0.555	0.546	-	1.6	20	92	0
IS1_Chrysene-d12	1	1	-	0	20	94	0
Benzo(a)anthracene	1.379	1.286	-	6.7	20	92	0
3,3'-Dichlorobenzidine	0.453	0.421	-	7.1	20	84	0
Chrysene	1.324	1.217	-	8.1	20	90	0
Bis(2-ethylhexyl)phthalate	0.828	0.843	-	-1.8	20	88	0
Di-n-octylphthalate	1.373	1.387	-	-1	20	86	0
Benzo(b)fluoranthene	1.331	1.274	-	4.3	20	93	0
Benzo(k)fluoranthene	1.24	1.171	-	5.6	20	87	0
Benzo(a)pyrene	1.155	1.09	-	5.6	20	88	0
IS1_Perylene-d12	1	1	-	0	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 00:49		
Lab File ID	: ABN0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-3	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.213	1.065	-	12.2	20	79	0
Dibenzo(a,h)anthracene	1.153	1.034	-	10.3	20	80	0
Benzo(ghi)perylene	1.08	0.977	-	9.5	20	81	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:12		
Lab File ID	: AP90305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-4	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	100	0
Benzaldehyde	0.948	0.879	-	7.3	20	90	0
Acetophenone	1.829	1.755	-	4	20	97	0
m-Toluidine	1.612	1.518	-	5.8	20	94	0
2-Chloroaniline	1.609	1.498	-	6.9	20	91	0
IS2_Naphthalene-d8	1	1	-	0	20	94	0
a-Terpineol	0.282	0.282	-	0	20	95	0
3-Chloroaniline	0.132	0.151	-	-14.4	20	102	0
2,6-Dichlorophenol	0.3	0.285	-	5	20	87	0
1-chloro-2-nitrobenzene	0.145	0.142	-	2.1	20	92	0
Caprolactam	0.147	0.139	-	5.4	20	87	0
1,2,4,5-Tetrachlorobenzene	0.402	0.375	-	6.7	20	89	0
Biphenyl	0.907	0.838	-	7.6	20	86	0
IS2_Acenaphthene-d10	1	1	-	0	20	96	0
Dichloran	0.181	0.156	-	13.8	20	84	0
Pentachloronitrobenzene	0.193	0.188	-	2.6	20	91	0
IS2_Phenanthrene-d10	1	1	-	0	20	92	0
Diphenamid	0.505	0.488	-	3.4	20	84	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV106	**Calibration Date**	: 03/06/25 01:36		
Lab File ID	: ADP0305N	**Init. Calib. Date(s)**	: 10/09/24	10/11/24	
Sample No	: WG2037122-5	**Init. Calib. Times**	: 20:07	15:53	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	85	0
1,4-Dioxane	0.485	0.566	-	-16.7	20	122	0
n-Decane	1.486	1.458	-	1.9	20	98	0
IS3_Acenaphthene-d10	1	1	-	0	20	87	0
Atrazine	0.415	0.335	-	19.3	20	74	0
IS3_Phenanthrene-d10	1	1	-	0	20	85	0
n-Octadecane	0.485	0.438	-	9.7	20	77	0
Parathion	5	4.559	-	8.8	20	88	0
3,3'-Dimethylbenzidine	0.821	0.661	-	19.5	20	75	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
n-Nitrosodimethylamine	0.675	0.654	-	3.1	20	99	0
Pyridine	1.237	0.842	-	31.9*	20	76	0
2-Fluorophenol	1.016	1.013	-	0.3	20	106	0
Aniline	1.57	1.635	-	-4.1	20	106	0
2-Chlorophenol	1.138	1.167	-	-2.5	20	109	0
Phenol-d6	1.238	1.223	-	1.2	20	104	0
Phenol	1.39	1.381	-	0.6	20	106	0
Bis(2-chloroethyl)ether	1.108	1.078	-	2.7	20	107	0
1,3-Dichlorobenzene	1.505	1.454	-	3.4	20	107	0
1,4-Dichlorobenzene	1.552	1.457	-	6.1	20	106	0
1,2-Dichlorobenzene	1.469	1.425	-	3	20	108	0
Benzyl alcohol	0.85	0.869	-	-2.2	20	106	0
Bis(2-chloroisopropyl)ethe	1.811	1.813	-	-0.1	20	110	0
2-Methylphenol	1.021	1.02	-	0.1	20	105	0
Hexachloroethane	0.519	0.524	-	-1	20	110	0
n-Nitrosodi-n-propylamine	0.804	0.772	-	4	20	99	0
3-Methylphenol/4-Methylphe	1.078	1.097	-	-1.8	20	107	0
Nitrobenzene-d5	1.126	1.129	-	-0.3	20	104	0
Nitrobenzene	1.14	1.167	-	-2.4	20	105	0
Isophorone	2.19	2.085	-	4.8	20	99	0
2-Nitrophenol	0.54	0.561	-	-3.9	20	113	0
2,4-Dimethylphenol	1.161	1.188	-	-2.3	20	105	0
Bis(2-chloroethoxy)methane	1.589	1.724	-	-8.5	20	109	0
2,4-Dichlorophenol	1.18	1.196	-	-1.4	20	104	0
1,2,4-Trichlorobenzene	1.517	1.443	-	4.9	20	107	0
IS1_Naphthalene-d8	1	1	-	0	20	107	0
Naphthalene	1.028	0.965	-	6.1	20	106	0
Benzoic Acid	5	4.484	-	10.3	20	104	0
4-Chloroaniline	0.13	0.122	-	6.2	20	103	0
Hexachlorobutadiene	0.247	0.232	-	6.1	20	107	0
p-Chloro-m-cresol	0.273	0.268	-	1.8	20	101	0
2-Methylnaphthalene	0.657	0.622	-	5.3	20	105	0
1-Methylnaphthalene	0.236	0.217	-	8.1	20	101	0
Hexachlorocyclopentadiene	0.278	0.271	-	2.5	20	103	0
2,4,6-Trichlorophenol	0.264	0.274	-	-3.8	20	106	0
2,4,5-Trichlorophenol	0.275	0.276	-	-0.4	20	104	0
2-Fluorobiphenyl	0.982	0.917	-	6.6	20	103	0
2-Chloronaphthalene	0.795	0.729	-	8.3	20	103	0
2-Nitroaniline	0.194	0.184	-	5.2	20	100	0
1,4-Dinitrobenzene	5	3.984	-	20.3*	20	101	0
1,3-Dinitrobenzene	0.128	0.116	-	9.4	20	95	0
Dimethyl phthalate	0.963	0.923	-	4.2	20	100	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.211	1.165	-	3.8	20	101	0
2,6-Dinitrotoluene	0.18	0.174	-	3.3	20	97	0
1,2-Dinitrobenzene	0.077	0.079	-	-2.6	20	99	0
IS1_Acenaphthene-d10	1	1	-	0	20	102	0
3-Nitroaniline	0.26	0.275	-	-5.8	20	96	0
Acenaphthene	1.082	1.036	-	4.3	20	106	0
2,4-Dinitrophenol	5	4.041	-	19.2	20	88	0
Dibenzofuran	1.846	1.765	-	4.4	20	101	0
2,4-Dinitrotoluene	0.377	0.387	-	-2.7	20	98	0
4-Nitrophenol	0.2	0.232	-	-16	20	112	0
2,3,5,6-Tetrachlorophenol	0.33	0.35	-	-6.1	20	99	0
2,3,4,6-Tetrachlorophenol	0.355	0.411	-	-15.8	20	103	0
Diethyl phthalate	1.332	1.311	-	1.6	20	97	0
Fluorene	1.43	1.407	-	1.6	20	102	0
4-Chlorophenyl phenyl ethe	0.733	0.707	-	3.5	20	104	0
4-Nitroaniline	0.246	0.265	-	-7.7	20	97	0
4,6-Dinitro-o-cresol	5	4.285	-	14.3	20	100	0
NDPA/DPA	1.2	1.185	-	1.2	20	100	0
Azobenzene	1.133	1.161	-	-2.5	20	99	0
2,4,6-Tribromophenol	0.201	0.207	-	-3	20	97	0
4-Bromophenyl phenyl ether	0.439	0.421	-	4.1	20	100	0
Hexachlorobenzene	0.513	0.486	-	5.3	20	103	0
Pentachlorophenol	0.28	0.273	-	2.5	20	98	0
IS1_Phenanthrene-d10	1	1	-	0	20	101	0
Phenanthrene	1.129	1.069	-	5.3	20	101	0
Anthracene	1.081	1.064	-	1.6	20	99	0
Carbazole	0.973	0.984	-	-1.1	20	99	0
Di-n-butylphthalate	0.996	1.073	-	-7.7	20	98	0
Fluoranthene	1.236	1.278	-	-3.4	20	101	0
Benzidine	5	4.854	-	2.9	20	103	0
Pyrene	1.297	1.368	-	-5.5	20	101	0
4-Terphenyl-d14	0.965	0.954	-	1.1	20	98	0
Butyl benzyl phthalate	5	4.546	-	9.1	20	106	0
IS1_Chrysene-d12	1	1	-	0	20	101	0
Benzo(a)anthracene	1.249	1.286	-	-3	20	103	0
3,3'-Dichlorobenzidine	0.403	0.445	-	-10.4	20	97	0
Chrysene	1.233	1.175	-	4.7	20	104	0
Bis(2-ethylhexyl)phthalate	5	4.869	-	2.6	20	101	0
Di-n-octylphthalate	5	4.671	-	6.6	20	102	0
Benzo(b)fluoranthene	1.211	1.198	-	1.1	20	93	0
Benzo(k)fluoranthene	1.049	1.138	-	-8.5	20	115	0
Benzo(a)pyrene	1.009	1.055	-	-4.6	20	102	0
IS1_Perylene-d12	1	1	-	0	20	102	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:28		
Lab File ID	: ABN0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-3	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.005	1.115	-	-10.9	20	106	0
Dibenzo(a,h)anthracene	1	1.106	-	-10.6	20	110	0
Benzo(ghi)perylene	1.011	1.141	-	-12.9	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 10:54		
Lab File ID	: AP90306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-4	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	114	0
Benzaldehyde	0.859	0.73	-	15	20	100	0
Acetophenone	1.472	1.461	-	0.7	20	114	0
m-Toluidine	1.5	1.3	-	13.3	20	105	0
2-Chloroaniline	1.381	1.369	-	0.9	20	117	0
IS2_Naphthalene-d8	1	1	-	0	20	117	0
a-Terpineol	0.229	0.257	-	-12.2	20	135	0
3-Chloroaniline	0.135	0.13	-	3.7	20	110	0
2,6-Dichlorophenol	0.288	0.303	-	-5.2	20	121	0
1-chloro-2-nitrobenzene	0.114	0.121	-	-6.1	20	123	0
Caprolactam	5	4.219	-	15.6	20	119	0
1,2,4,5-Tetrachlorobenzene	0.428	0.407	-	4.9	20	114	0
Biphenyl	0.969	0.894	-	7.7	20	112	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	5	4.085	-	18.3	20	119	0
Pentachloronitrobenzene	5	4.47	-	10.6	20	114	0
IS2_Phenanthrene-d10	1	1	-	0	20	107	0
Diphenamid	5	4.161	-	16.8	20	108	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV107	**Calibration Date**	: 03/06/25 11:20		
Lab File ID	: ADP0306	**Init. Calib. Date(s)**	: 03/04/25	03/05/25	
Sample No	: WG2037390-5	**Init. Calib. Times**	: 21:51	12:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	117	0
1,4-Dioxane	0.528	0.417	-	21*	20	108	0
n-Decane	1.421	1.262	-	11.2	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	130	0
Atrazine	5	4.683	-	6.3	20	122	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.368	0.392	-	-6.5	20	126	0
Parathion	5	5.43	-	-8.6	20	135	0
3,3'-Dimethylbenzidine	5	4.992	-	0.2	20	122	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
n-Nitrosodimethylamine	0.63	0.511	-	18.9	20	78	0
Pyridine	0.954	0.681	-	28.6*	20	64	0
2-Fluorophenol	1.028	0.876	-	14.8	20	83	0
Aniline	1.567	1.451	-	7.4	20	90	0
2-Chlorophenol	1.225	1.131	-	7.7	20	89	0
Phenol-d6	1.317	1.13	-	14.2	20	84	0
Phenol	1.421	1.272	-	10.5	20	87	0
Bis(2-chloroethyl)ether	1.017	0.867	-	14.7	20	84	0
1,3-Dichlorobenzene	1.577	1.386	-	12.1	20	87	0
1,4-Dichlorobenzene	1.61	1.433	-	11	20	89	0
1,2-Dichlorobenzene	1.534	1.403	-	8.5	20	91	0
Benzyl alcohol	0.93	0.895	-	3.8	20	93	0
Bis(2-chloroisopropyl)ethe	1.794	1.479	-	17.6	20	82	0
2-Methylphenol	1.079	0.993	-	8	20	93	0
Hexachloroethane	0.589	0.509	-	13.6	20	89	0
n-Nitrosodi-n-propylamine	0.863	0.792	-	8.2	20	92	0
3-Methylphenol/4-Methylphe	1.182	1.048	-	11.3	20	90	0
Nitrobenzene-d5	1.195	1.168	-	2.3	20	94	0
Nitrobenzene	1.222	1.187	-	2.9	20	94	0
Isophorone	2.247	2.108	-	6.2	20	92	0
2-Nitrophenol	0.619	0.644	-	-4	20	102	0
2,4-Dimethylphenol	1.101	1.187	-	-7.8	20	106	0
Bis(2-chloroethoxy)methane	1.4	1.243	-	11.2	20	87	0
2,4-Dichlorophenol	1.285	1.218	-	5.2	20	93	0
1,2,4-Trichlorobenzene	1.555	1.437	-	7.6	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	95	0
Naphthalene	1.1	0.964	-	12.4	20	90	0
Benzoic Acid	0.228	0.154	-	32.5*	20	71	0
4-Chloroaniline	0.121	0.113	-	6.6	20	91	0
Hexachlorobutadiene	0.258	0.246	-	4.7	20	94	0
p-Chloro-m-cresol	0.29	0.285	-	1.7	20	97	0
2-Methylnaphthalene	0.761	0.651	-	14.5	20	89	0
1-Methylnaphthalene	0.242	0.233	-	3.7	20	96	0
Hexachlorocyclopentadiene	0.272	0.327	-	-20.2*	20	116	0
2,4,6-Trichlorophenol	0.287	0.292	-	-1.7	20	100	0
2,4,5-Trichlorophenol	0.32	0.317	-	0.9	20	100	0
2-Fluorobiphenyl	0.99	0.948	-	4.2	20	99	0
2-Chloronaphthalene	0.852	0.8	-	6.1	20	95	0
2-Nitroaniline	0.218	0.232	-	-6.4	20	102	0
1,4-Dinitrobenzene	0.095	0.115	-	-21.1*	20	116	0
1,3-Dinitrobenzene	0.113	0.134	-	-18.6	20	111	0
Dimethyl phthalate	0.991	1.04	-	-4.9	20	107	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.252	1.328	-	-6.1	20	107	0
2,6-Dinitrotoluene	0.185	0.205	-	-10.8	20	105	0
1,2-Dinitrobenzene	0.066	0.083	-	-25.8*	20	113	0
IS1_Acenaphthene-d10	1	1	-	0	20	107	0
3-Nitroaniline	0.309	0.308	-	0.3	20	106	0
Acenaphthene	1.163	0.984	-	15.4	20	99	0
2,4-Dinitrophenol	5	4.006	-	19.9	20	92	0
Dibenzofuran	2.006	1.754	-	12.6	20	103	0
2,4-Dinitrotoluene	0.387	0.431	-	-11.4	20	115	0
4-Nitrophenol	0.23	0.254	-	-10.4	20	116	0
2,3,5,6-Tetrachlorophenol	0.436	0.38	-	12.8	20	95	0
2,3,4,6-Tetrachlorophenol	0.428	0.381	-	11	20	99	0
Diethyl phthalate	1.575	1.446	-	8.2	20	108	0
Fluorene	1.536	1.387	-	9.7	20	104	0
4-Chlorophenyl phenyl ethe	0.792	0.721	-	9	20	107	0
4-Nitroaniline	0.299	0.308	-	-3	20	105	0
4,6-Dinitro-o-cresol	0.234	0.261	-	-11.5	20	115	0
NDPA/DPA	1.337	1.203	-	10	20	105	0
Azobenzene	1.281	1.142	-	10.9	20	100	0
2,4,6-Tribromophenol	0.286	0.272	-	4.9	20	106	0
4-Bromophenyl phenyl ether	0.522	0.477	-	8.6	20	107	0
Hexachlorobenzene	0.656	0.602	-	8.2	20	110	0
Pentachlorophenol	0.356	0.277	-	22.2*	20	83	0
IS1_Phenanthrene-d10	1	1	-	0	20	113	0
Phenanthrene	1.183	1.032	-	12.8	20	108	0
Anthracene	1.16	1.059	-	8.7	20	111	0
Carbazole	1.064	0.995	-	6.5	20	111	0
Di-n-butylphthalate	1.207	1.149	-	4.8	20	110	0
Fluoranthene	1.422	1.351	-	5	20	116	0
Benzidine	0.772	0.896	-	-16.1	20	127	0
Pyrene	1.52	1.44	-	5.3	20	114	0
4-Terphenyl-d14	1.157	1.098	-	5.1	20	117	0
Butyl benzyl phthalate	0.517	0.531	-	-2.7	20	116	0
IS1_Chrysene-d12	1	1	-	0	20	123	0
Benzo(a)anthracene	1.355	1.214	-	10.4	20	120	0
3,3'-Dichlorobenzidine	0.505	0.473	-	6.3	20	116	0
Chrysene	1.349	1.167	-	13.5	20	117	0
Bis(2-ethylhexyl)phthalate	0.726	0.689	-	5.1	20	116	0
Di-n-octylphthalate	1.212	1.183	-	2.4	20	120	0
Benzo(b)fluoranthene	1.42	1.33	-	6.3	20	125	0
Benzo(k)fluoranthene	1.383	1.27	-	8.2	20	115	0
Benzo(a)pyrene	1.267	1.243	-	1.9	20	124	0
IS1_Perylene-d12	1	1	-	0	20	124	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 20:44		
Lab File ID	: ABN0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-3	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.234	1.148	-	7	20	122	0
Dibenzo(a,h)anthracene	1.213	1.149	-	5.3	20	122	0
Benzo(ghi)perylene	1.192	1.138	-	4.5	20	126	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 21:06		
Lab File ID	: AP90310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-4	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
Benzaldehyde	0.703	0.714	-	-1.6	20	104	0
Acetophenone	1.403	1.412	-	-0.6	20	107	0
m-Toluidine	1.287	1.277	-	0.8	20	107	0
2-Chloroaniline	1.368	1.396	-	-2	20	109	0
IS2_Naphthalene-d8	1	1	-	0	20	119	0
a-Terpineol	0.221	0.216	-	2.3	20	110	0
3-Chloroaniline	0.115	0.108	-	6.1	20	102	0
2,6-Dichlorophenol	0.296	0.313	-	-5.7	20	117	0
1-chloro-2-nitrobenzene	0.113	0.127	-	-12.4	20	120	0
Caprolactam	0.123	0.125	-	-1.6	20	117	0
1,2,4,5-Tetrachlorobenzene	0.413	0.42	-	-1.7	20	114	0
Biphenyl	0.842	0.865	-	-2.7	20	115	0
IS2_Acenaphthene-d10	1	1	-	0	20	126	0
Dichloran	0.169	0.192	-	-13.6	20	146	0
Pentachloronitrobenzene	0.187	0.205	-	-9.6	20	143	0
IS2_Phenanthrene-d10	1	1	-	0	20	132	0
Diphenamid	0.416	0.466	-	-12	20	142	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: DAKOTA	**Calibration Date**	: 03/10/25 22:15		
Lab File ID	: ADP0310N	**Init. Calib. Date(s)**	: 11/05/24	11/06/24	
Sample No	: WG2038779-5	**Init. Calib. Times**	: 16:59	04:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
1,4-Dioxane	0.381	0.355	-	6.8	20	94	0
n-Decane	1.048	0.951	-	9.3	20	92	0
IS3_Acenaphthene-d10	1	1	-	0	20	119	0
Atrazine	0.343	0.406	-	-18.4	20	142	0
IS3_Phenanthrene-d10	1	1	-	0	20	132	0
n-Octadecane	0.334	0.305	-	8.7	20	121	0
Parathion	5	5.593	-	-11.9	20	167	0
3,3'-Dimethylbenzidine	5	5.422	-	-8.4	20	164	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	t	n-Nitrosodimethylamine	0.630	0.511	18.9	78	0.00
3	t	Pyridine	0.954	0.681	28.6#	64	0.00
4	S	2-Fluorophenol	1.028	0.876	14.8	83	0.00
5	T	Aniline	1.567	1.451	7.4	90	0.00
6	t	2-Chlorophenol	1.225	1.131	7.7	89	0.00
7	S	Phenol-d6	1.317	1.130	14.2	84	0.00
8	T	Phenol	1.421	1.272	10.5	87	0.00
9	T	Bis(2-chloroethyl)ether	1.017	0.867	14.7	84	0.00
10	T	1,3-Dichlorobenzene	1.577	1.386	12.1	87	0.00
11	T	1,4-Dichlorobenzene	1.610	1.433	11.0	89	0.00
12	T	1,2-Dichlorobenzene	1.534	1.403	8.5	91	0.00
13	t	Benzyl alcohol	0.930	0.895	3.8	93	0.00
14	T	Bis(2-chloroisopropyl)ether	1.794	1.479	17.6	82	0.00
15	T	2-Methylphenol	1.079	0.993	8.0	93	0.00
16	T	Hexachloroethane	0.589	0.509	13.6	89	0.00
17	T	n-Nitrosodi-n-propylamine	0.863	0.792	8.2	92	0.00
18	T	3-Methylphenol/4-Methylphen	1.182	1.048	11.3	90	0.00
19	S	Nitrobenzene-d5	1.195	1.168	2.3	94	0.00
20	T	Nitrobenzene	1.222	1.187	2.9	94	0.00
21	T	Isophorone	2.247	2.108	6.2	92	0.00
22	T	2-Nitrophenol	0.619	0.644	-4.0	102	0.00
23	T	2,4-Dimethylphenol	1.101	1.187	-7.8	106	0.00
24	T	Bis(2-chloroethoxy)methane	1.400	1.243	11.2	87	0.00
25	T	2,4-Dichlorophenol	1.285	1.218	5.2	93	0.00
26	T	1,2,4-Trichlorobenzene	1.555	1.437	7.6	92	0.00
37	I	IS1_Naphthalene-d8	1.000	1.000	0.0	95	0.00
38	T	Naphthalene	1.100	0.964	12.4	90	0.00
39	T	Benzoic Acid	0.228	0.154	32.5#	71	0.00
40	T	4-Chloroaniline	0.121	0.113	6.6	91	0.00
41	T	Hexachlorobutadiene	0.258	0.246	4.7	94	0.00
42	T	p-Chloro-m-cresol	0.290	0.285	1.7	97	0.00
43	T	2-Methylnaphthalene	0.761	0.651	14.5	89	0.00
44	T	1-Methylnaphthalene	0.242	0.233	3.7	96	0.00
45	T	Hexachlorocyclopentadiene	0.272	0.327	-20.2#	116	0.00
46	T	2,4,6-Trichlorophenol	0.287	0.292	-1.7	100	0.00
47	T	2,4,5-Trichlorophenol	0.320	0.317	0.9	100	0.00
48	S	2-Fluorobiphenyl	0.990	0.948	4.2	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	2-Chloronaphthalene		0.852	0.800	6.1	95	0.00
50	T	2-Nitroaniline		0.218	0.232	-6.4	102	0.00
51	T	1,4-Dinitrobenzene		0.095	0.115	-21.1#	116	0.00
52	T	1,3-Dinitrobenzene		0.113	0.134	-18.6	111	0.00
53	T	Dimethyl phthalate		0.991	1.040	-4.9	107	0.00
54	T	Acenaphthylene		1.252	1.328	-6.1	107	0.00
55	T	2,6-Dinitrotoluene		0.185	0.205	-10.8	105	0.00
56	T	1,2-Dinitrobenzene		0.066	0.083	-25.8#	113	0.00
65	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	107	0.00
66	T	3-Nitroaniline		0.309	0.308	0.3	106	0.00
67	T	Acenaphthene		1.163	0.984	15.4	99	0.00
68	T	2,4-Dinitrophenol	*	5.000	4.006	19.9	92	0.00
69	T	Dibenzofuran		2.006	1.754	12.6	103	0.00
70	T	2,4-Dinitrotoluene		0.387	0.431	-11.4	115	0.00
71	T	4-Nitrophenol		0.230	0.254	-10.4	116	0.00
72	T	2,3,5,6-Tetrachlorophenol		0.436	0.380	12.8	95	0.00
73	T	2,3,4,6-Tetrachlorophenol		0.428	0.381	11.0	99	0.00
74	T	Diethyl phthalate		1.575	1.446	8.2	108	0.00
75	T	Fluorene		1.536	1.387	9.7	104	0.00
76	T	4-Chlorophenyl phenyl ether		0.792	0.721	9.0	107	0.00
77	T	4-Nitroaniline		0.299	0.308	-3.0	105	0.00
78	T	4,6-Dinitro-o-cresol		0.234	0.261	-11.5	115	0.00
79	T	NDPA/DPA		1.337	1.203	10.0	105	0.00
80	T	Azobenzene		1.281	1.142	10.9	100	0.00
81	S	2,4,6-Tribromophenol		0.286	0.272	4.9	106	0.00
82	T	4-Bromophenyl phenyl ether		0.522	0.477	8.6	107	0.00
83	T	Hexachlorobenzene		0.656	0.602	8.2	110	0.00
84	T	Pentachlorophenol		0.356	0.277	22.2#	83	0.00
90	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	113	0.00
91	T	Phenanthrene		1.183	1.032	12.8	108	0.00
92	T	Anthracene		1.160	1.059	8.7	111	0.00
93	T	Carbazole		1.064	0.995	6.5	111	0.00
94	T	Di-n-butylphthalate		1.207	1.149	4.8	110	0.00
95	T	Fluoranthene		1.422	1.351	5.0	116	0.00
96	T	Benzidine		0.772	0.896	-16.1	127	0.00
97	T	Pyrene		1.520	1.440	5.3	114	0.00
98	S	4-Terphenyl-d14		1.157	1.098	5.1	117	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
99	T	Butyl benzyl phthalate	0.517	0.531	-2.7	116	0.00
106	I	IS1_Chrysene-d12	1.000	1.000	0.0	123	0.00
107	T	Benzo(a)anthracene	1.355	1.214	10.4	120	0.00
108	T	3,3'-Dichlorobenzidine	0.505	0.473	6.3	116	0.00
109	T	Chrysene	1.349	1.167	13.5	117	0.00
110	T	Bis(2-ethylhexyl)phthalate	0.726	0.689	5.1	116	0.00
111	T	Di-n-octylphthalate	1.212	1.183	2.4	120	0.00
112	T	Benzo(b)fluoranthene	1.420	1.330	6.3	125	0.00
113	T	Benzo(k)fluoranthene	1.383	1.270	8.2	115	0.00
114	T	Benzo(a)pyrene	1.267	1.243	1.9	124	0.00
115	I	IS1_Perylene-d12	1.000	1.000	0.0	124	0.00
116	T	Indeno(1,2,3-cd)pyrene	1.234	1.148	7.0	122	0.00
117	T	Dibenzo(a,h)anthracene	1.213	1.149	5.3	122	0.00
118	T	Benzo(ghi)perylene	1.192	1.138	4.5	126	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.340	152	27477	4.000	ug/ml		0.00
37) IS1_Naphthalene-d8	5.580	136	102381	4.000	ug/ml		0.00
65) IS1_Acenaphthene-d10	7.277	164	74281	4.000	ug/ml		0.00
90) IS1_Phenanthrene-d10	8.694	188	169879	4.000	ug/ml		0.00
106) IS1_Chrysene-d12	11.277	240	213117	4.000	ug/ml	#	0.00
115) IS1_Perylene-d12	12.704	264	251655	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	3.084	112	30073	4.257	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 212.85%#				
7) Phenol-d6	4.075	99	38819	4.291	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 214.55%#				
19) Nitrobenzene-d5	4.893	82	40133	4.889	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 488.90%#				
48) 2-Fluorobiphenyl	6.652	172	121313	4.787	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 478.70%#				
81) 2,4,6-Tribromophenol	8.041	330	25222	4.750	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.50%#				
98) 4-Terphenyl-d14	10.264	244	233061	4.741	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 474.10%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.664	74	17540	4.051	ug/ml	#	93
3) Pyridine	1.695	79	23404	3.572	ug/ml	#	56
5) Aniline	4.026	93	49836	4.631	ug/ml		97
6) 2-Chlorophenol	4.150	128	38840	4.615	ug/ml	#	84
8) Phenol	4.088	94	43688	4.477	ug/ml		97
9) Bis(2-chloroethyl)ether	4.113	93	29763	4.259	ug/ml		94
10) 1,3-Dichlorobenzene	4.281	146	47593	4.395	ug/ml		93
11) 1,4-Dichlorobenzene	4.358	146	49225	4.452	ug/ml		92
12) 1,2-Dichlorobenzene	4.504	146	48193	4.573	ug/ml		94
13) Benzyl alcohol	4.514	79	30747	4.813	ug/ml		99
14) Bis(2-chloroisopropyl)...	4.654	45	50782	4.121	ug/ml	#	55
15) 2-Methylphenol	4.666	108	34120	4.602	ug/ml		100
16) Hexachloroethane	4.828	117	17478	4.317	ug/ml	#	43
17) n-Nitrosodi-n-propylamine	4.778	70	27195	4.589	ug/ml	#	90
18) 3-Methylphenol/4-Methy...	4.828	108	35982	4.430	ug/ml	#	96
20) Nitrobenzene	4.912	77	40760	4.855	ug/ml		99
21) Isophorone	5.154	82	72407	4.691	ug/ml		95
22) 2-Nitrophenol	5.225	139	22134	5.207	ug/ml	#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	5.328	107	40758	5.391	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.399	93	42679	4.438	ug/ml#	95
25) 2,4-Dichlorophenol	5.483	162	41825	4.738	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.539	180	49340	4.619	ug/ml	94
38) Naphthalene	5.598	128	123390	4.382	ug/ml	99
39) Benzoic Acid	5.427	105	19676	3.375	ug/ml	89
40) 4-Chloroaniline	5.685	65	14455	4.671	ug/ml#	71
41) Hexachlorobutadiene	5.754	225	31515	4.765	ug/ml	98
42) p-Chloro-m-cresol	6.208	107	36440	4.912	ug/ml	91
43) 2-Methylnaphthalene	6.279	142	83343	4.277	ug/ml	94
44) 1-Methylnaphthalene	6.369	115	29875	4.822	ug/ml	96
45) Hexachlorocyclopentadiene	6.450	237	41816	6.001	ug/ml	99
46) 2,4,6-Trichlorophenol	6.577	196	37309	5.086	ug/ml	98
47) 2,4,5-Trichlorophenol	6.618	196	40528	4.942	ug/ml	100
49) 2-Chloronaphthalene	6.742	162	102428	4.695	ug/ml#	92
50) 2-Nitroaniline	6.863	138	29661	5.313	ug/ml#	79
51) 1,4-Dinitrobenzene	6.997	168	14717	6.069	ug/ml	80
52) 1,3-Dinitrobenzene	7.072	168	17118	5.893	ug/ml#	1
53) Dimethyl phthalate	7.069	163	133131	5.249	ug/ml#	98
54) Acenaphthylene	7.134	152	169902	5.303	ug/ml	100
55) 2,6-Dinitrotoluene	7.109	165	26227	5.540	ug/ml#	76
56) 1,2-Dinitrobenzene	7.149	168	10595	6.249	ug/ml#	1
66) 3-Nitroaniline	7.261	138	28569	4.981	ug/ml	86
67) Acenaphthene	7.305	154	91322	4.228	ug/ml	87
68) 2,4-Dinitrophenol	7.364	184	13736	4.006	ug/ml#	81
69) Dibenzofuran	7.476	168	162833	4.371	ug/ml	93
70) 2,4-Dinitrotoluene	7.491	165	40020	5.566	ug/ml	84
71) 4-Nitrophenol	7.494	65	23580	5.514	ug/ml#	82
72) 2,3,5,6-Tetrachlorophenol	7.578	232	35279	4.353	ug/ml	99
73) 2,3,4,6-Tetrachlorophenol	7.619	232	35364	4.451	ug/ml	96
74) Diethyl phthalate	7.755	149	134248	4.591	ug/ml	99
75) Fluorene	7.802	166	128772	4.514	ug/ml	92
76) 4-Chlorophenyl phenyl ...	7.827	204	66961	4.554	ug/ml#	84
77) 4-Nitroaniline	7.846	138	28602	5.158	ug/ml#	77
78) 4,6-Dinitro-o-cresol	7.883	198	24190	5.566	ug/ml#	59
79) NDPA/DPA	7.948	169	111729	4.502	ug/ml	91
80) Azobenzene	7.976	77	105990	4.457	ug/ml	96
82) 4-Bromophenyl phenyl e...	8.293	248	44277	4.572	ug/ml#	79
83) Hexachlorobenzene	8.340	284	55854	4.582	ug/ml#	78
84) Pentachlorophenol	8.542	266	25686	3.887	ug/ml	99
91) Phenanthrene	8.716	178	219179	4.364	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Anthracene	8.766	178	224801	4.563	ug/ml	99
93) Carbazole	8.940	167	211187	4.672	ug/ml	98
94) Di-n-butylphthalate	9.341	149	243968	4.760	ug/ml	99
95) Fluoranthene	9.857	202	286900	4.750	ug/ml#	91
96) Benzidine	10.021	184	190331	5.807	ug/ml#	94
97) Pyrene	10.065	202	305845	4.739	ug/ml	100
99) Butyl benzyl phthalate	10.783	149	112707	5.134	ug/ml#	83
107) Benzo(a)anthracene	11.268	228	323521	4.480	ug/ml	100
108) 3,3'-Dichlorobenzidine	11.280	252	125923	4.681	ug/ml#	95
109) Chrysene	11.302	228	310835	4.325	ug/ml	98
110) Bis(2-ethylhexyl)phtha...	11.414	149	183673	4.746	ug/ml#	90
111) Di-n-octylphthalate	12.076	149	315255	4.883	ug/ml#	72
112) Benzo(b)fluoranthene	12.346	252	354322	4.684	ug/ml#	92
113) Benzo(k)fluoranthene	12.371	252	338355	4.591	ug/ml#	92
114) Benzo(a)pyrene	12.648	252	331161M3	4.906	ug/ml	
116) Indeno(1,2,3-cd)pyrene	13.642	276	361266	4.653	ug/mL#	87
117) Dibenzo(a,h)anthracene	13.667	278	361293	4.735	ug/ml#	88
118) Benzo(ghi)perylene	13.854	276	357944	4.773	ug/ml#	84

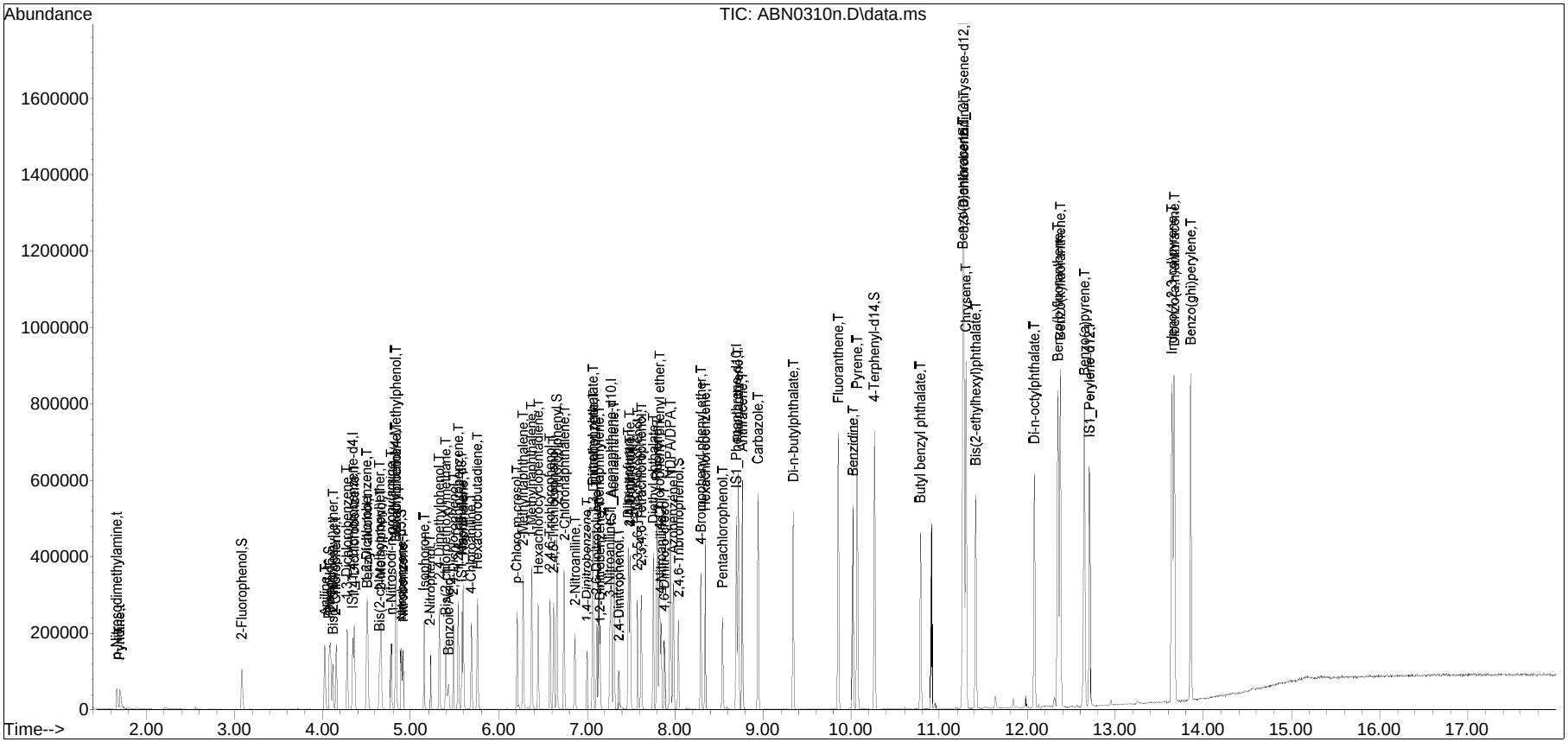
(#) = qualifier out of range (m) = manual integration (+) = signals summed

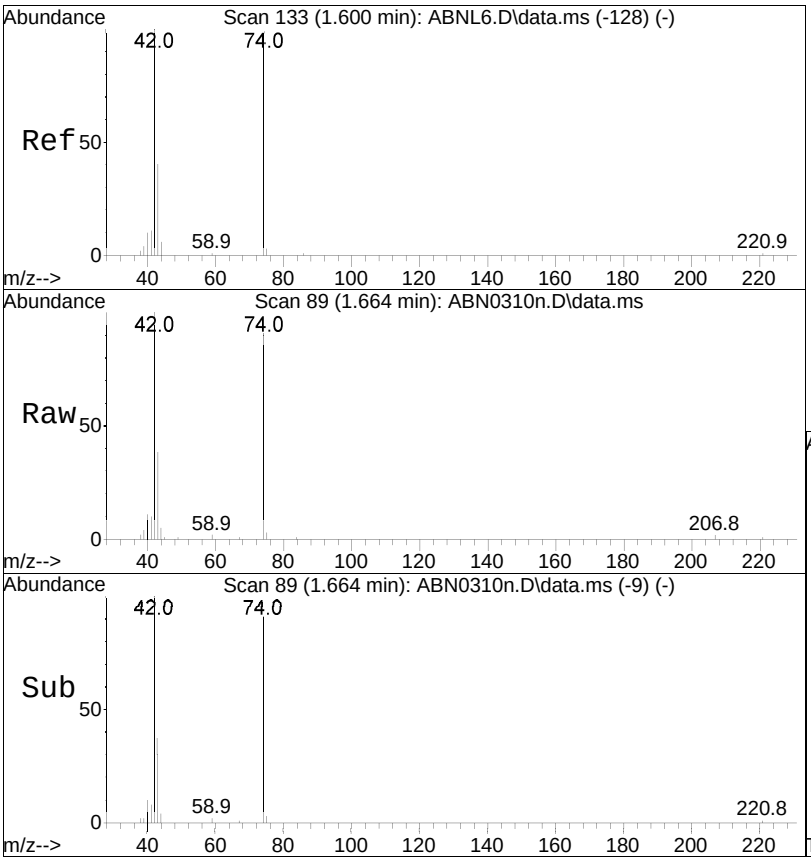
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ABN0310n.D
Acq On : 10 Mar 2025 8:44 pm
Operator : Dakota:ljg
Sample : WG2038779-3,32,,ABN 11297 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Mar 11 07:17:03 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:17:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

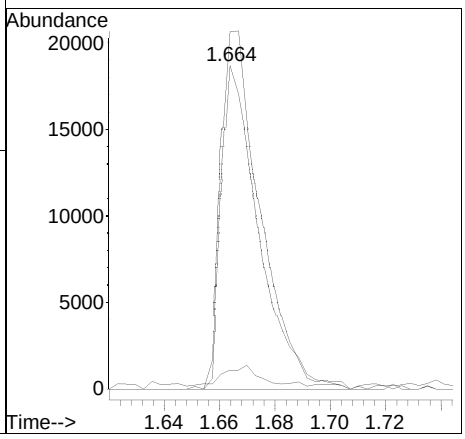


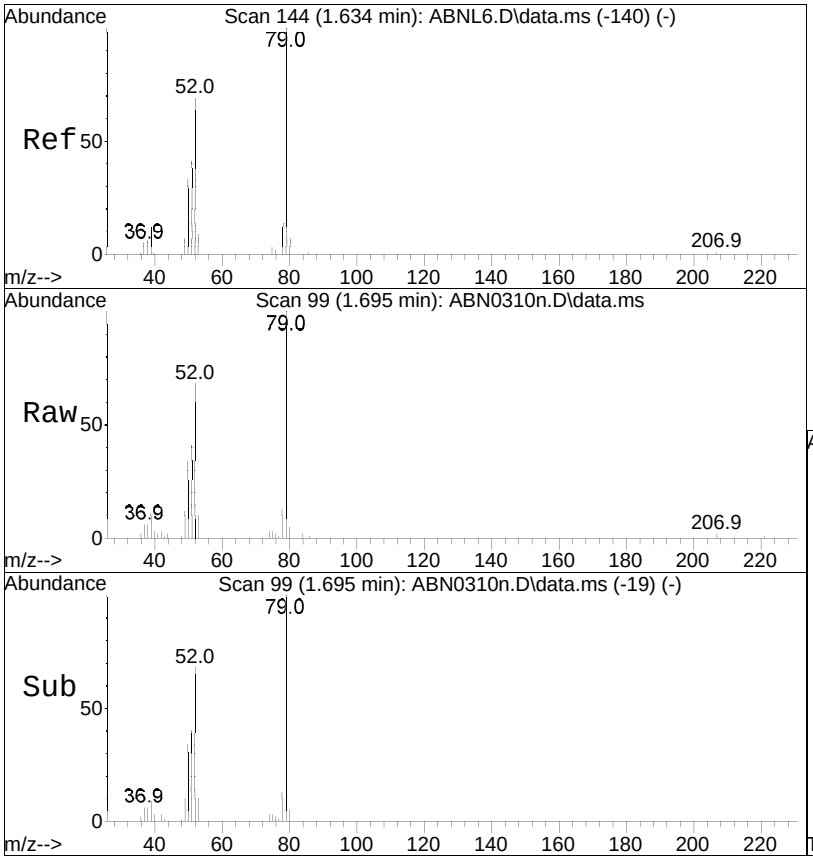


#2
n-Nitrosodimethylamine
Concen: 4.05 ug/ml
RT: 1.664 min Scan# 89
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 74 Resp: 17540

Ion	Ratio	Lower	Upper
74	100		
42	116.9	100.0	150.0
44	5.6	6.7	10.1#

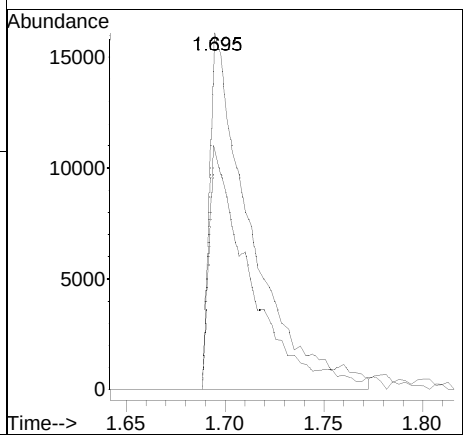


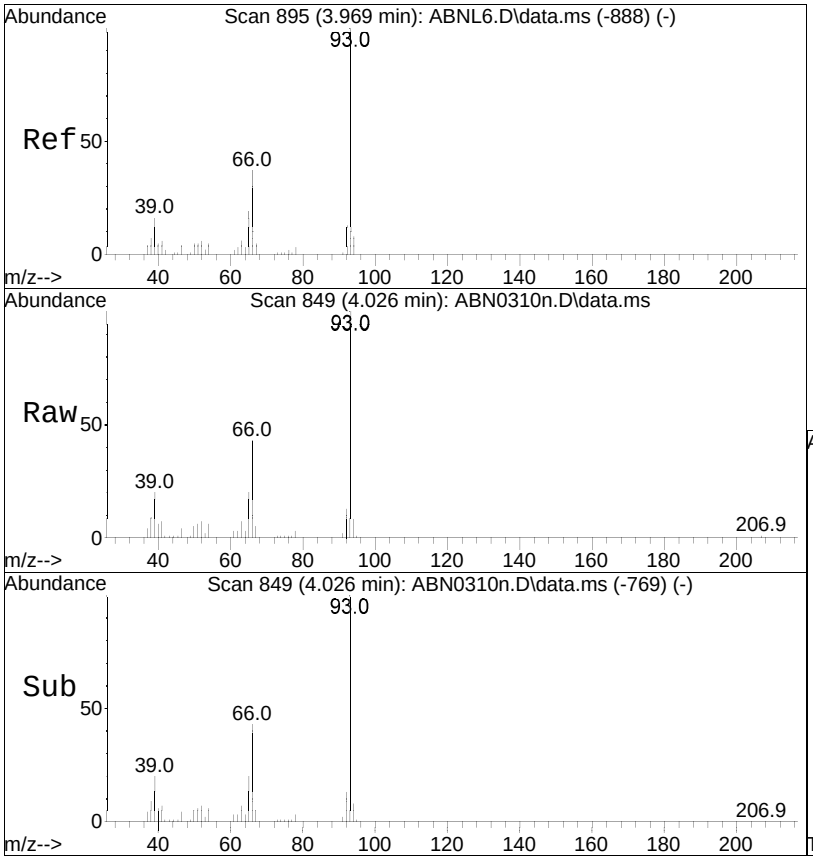


#3
Pyridine
Concen: 3.57 ug/ml
RT: 1.695 min Scan# 99
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 79 Resp: 23404

Ion	Ratio	Lower	Upper
79	100		
52	68.1	93.1	139.7#

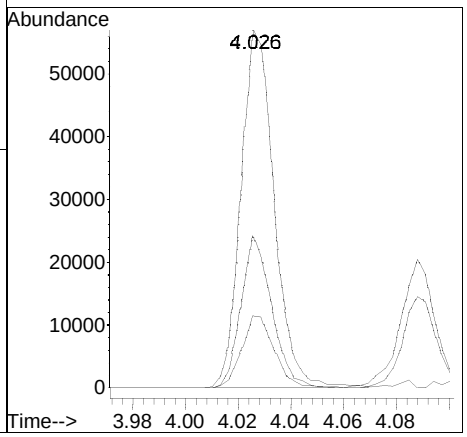


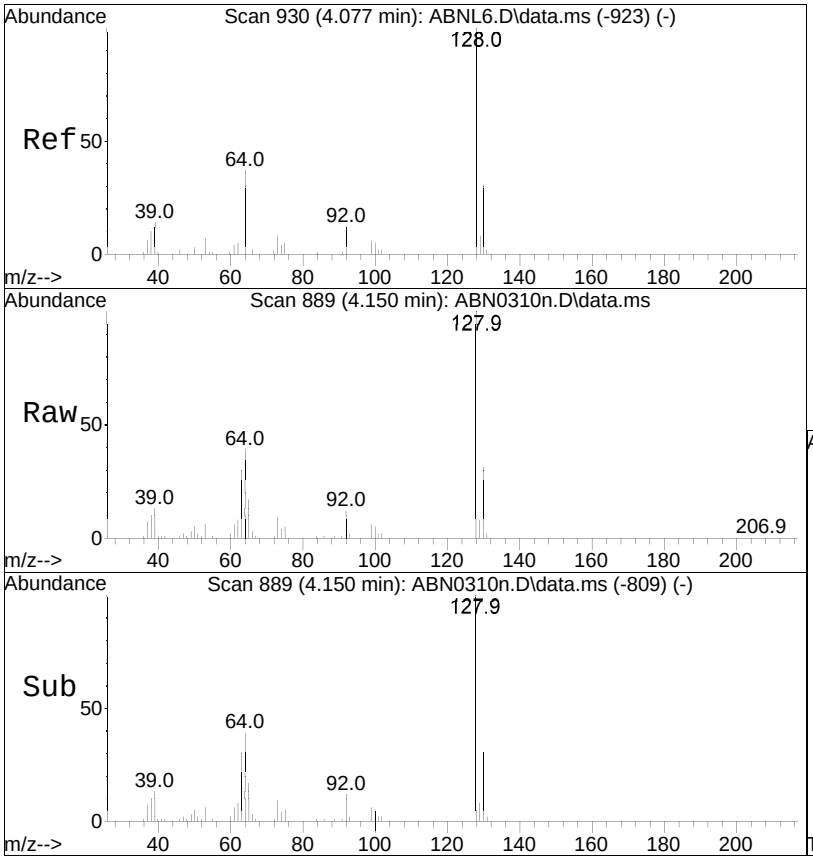


#5
Aniline
Concen: 4.63 ug/ml
RT: 4.026 min Scan# 849
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 93 Resp: 49836

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.6	49.0
65	19.8	17.6	26.4

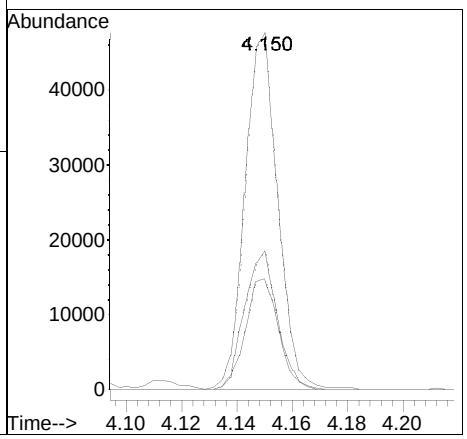


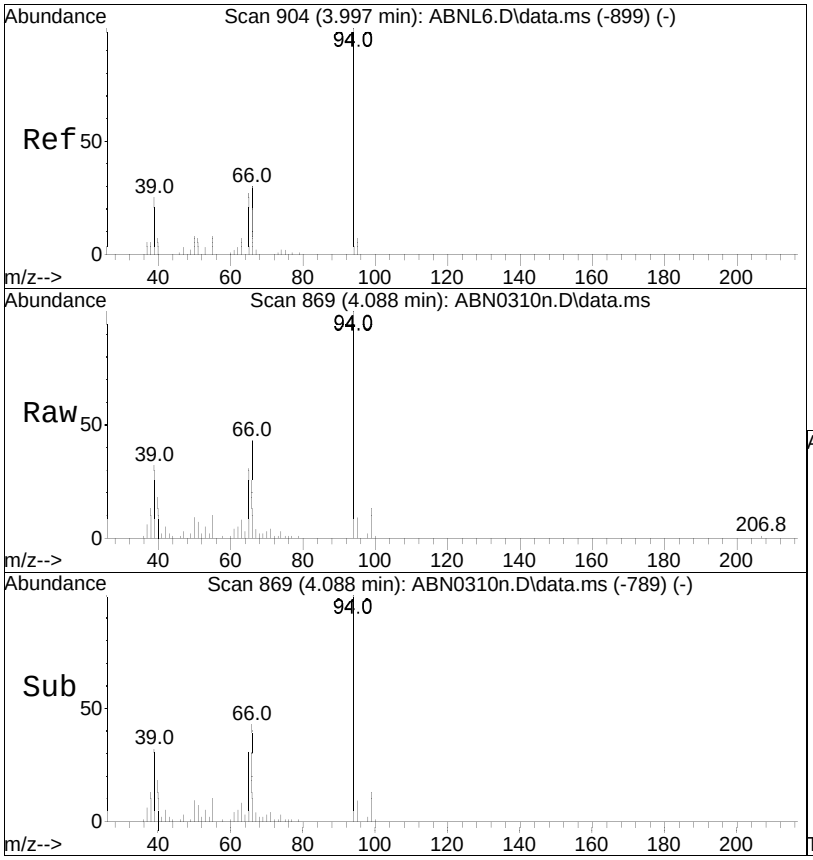


#6
2-Chlorophenol
Concen: 4.62 ug/ml
RT: 4.150 min Scan# 889
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:128 Resp: 38840

Ion	Ratio	Lower	Upper
128	100		
64	39.0	45.1	67.7#
130	31.7	26.2	39.4

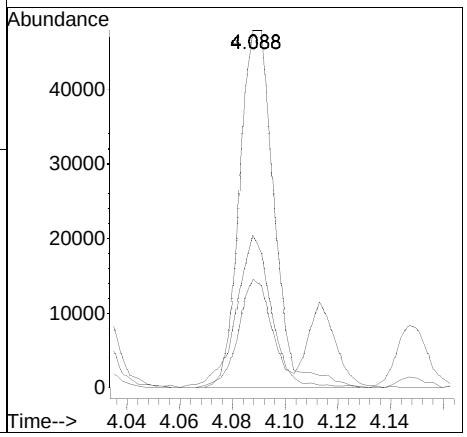


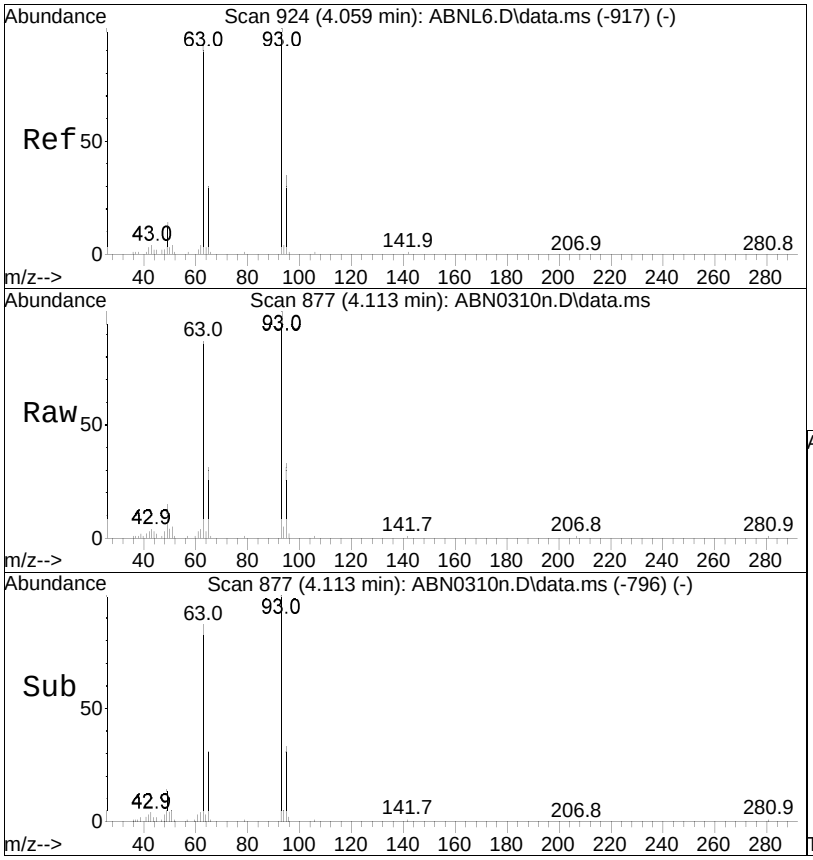


#8
Phenol
Concen: 4.48 ug/ml
RT: 4.088 min Scan# 869
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 94 Resp: 43688

Ion	Ratio	Lower	Upper
94	100		
65	30.1	26.0	39.0
66	43.3	33.8	50.8

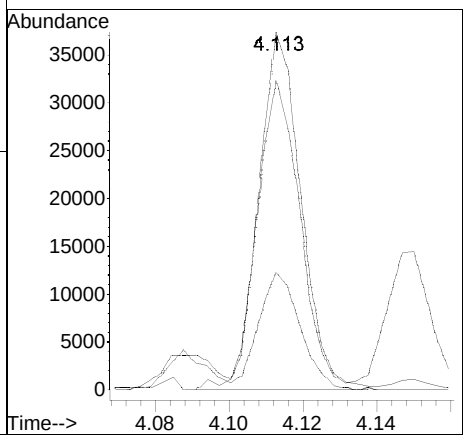


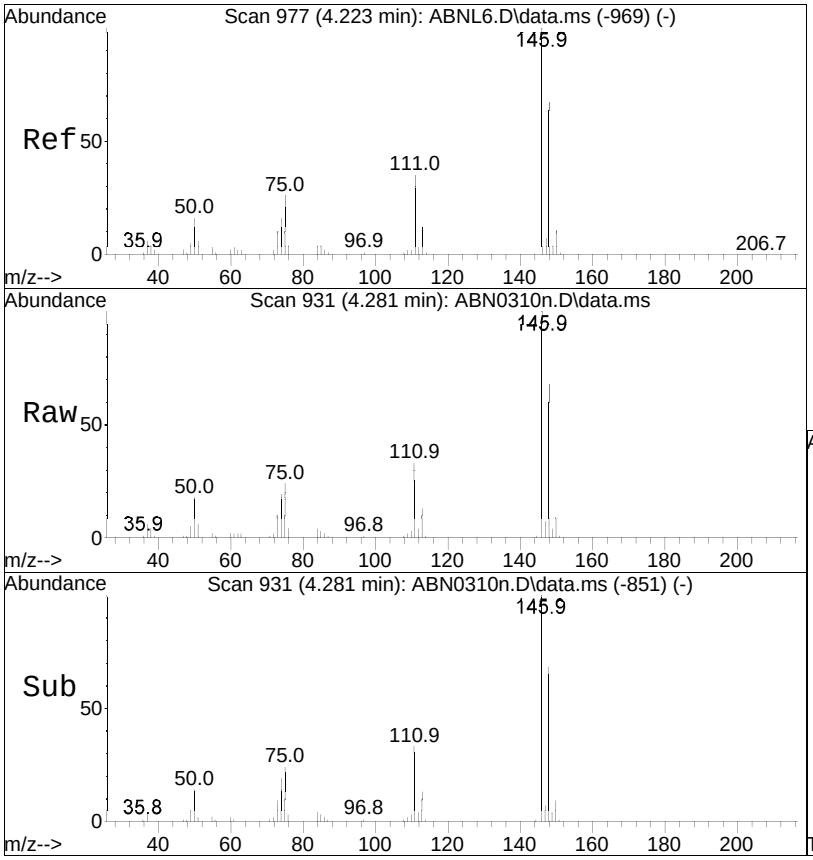


#9
Bis(2-chloroethyl)ether
Concen: 4.26 ug/ml
RT: 4.113 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 93 Resp: 29763

Ion	Ratio	Lower	Upper
93	100		
63	86.0	74.6	111.8
95	32.4	25.9	38.9

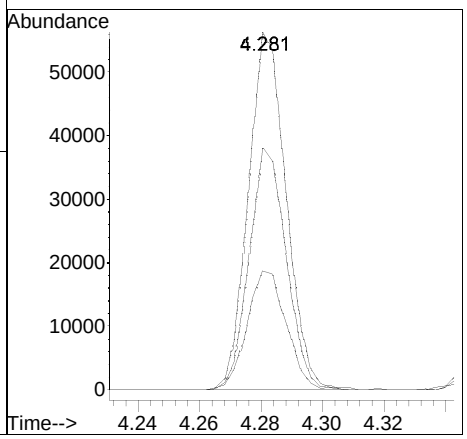


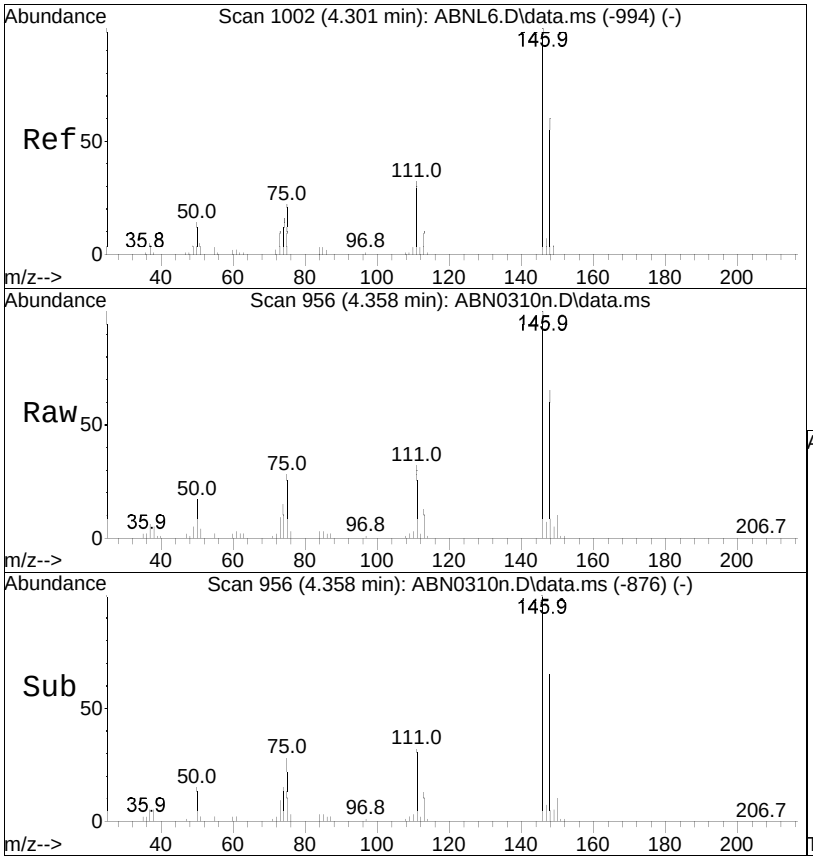


#10
1,3-Dichlorobenzene
Concen: 4.39 ug/ml
RT: 4.281 min Scan# 931
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:146 Resp: 47593

Ion	Ratio	Lower	Upper
146	100		
111	34.7	34.3	51.5
148	66.5	50.8	76.2

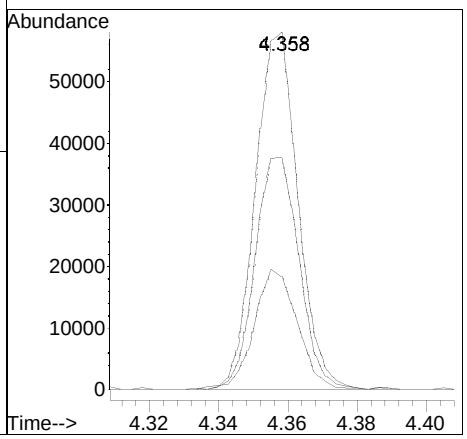


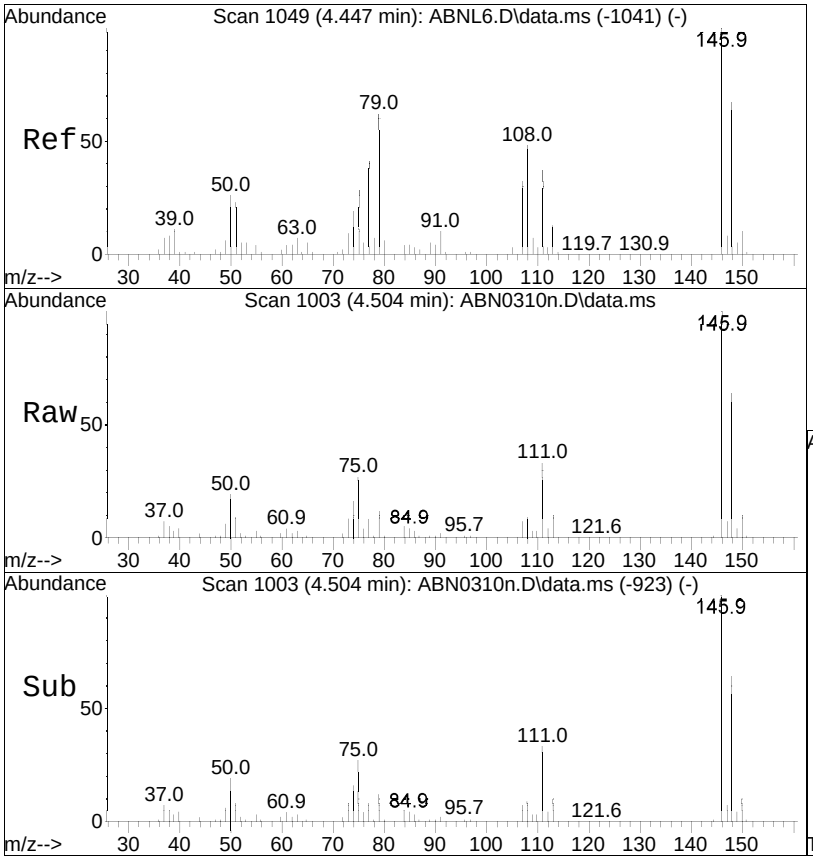


#11
1,4-Dichlorobenzene
Concen: 4.45 ug/ml
RT: 4.358 min Scan# 956
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:146 Resp: 49225

Ion	Ratio	Lower	Upper
146	100		
148	67.3	50.7	76.1
111	34.4	33.4	50.0

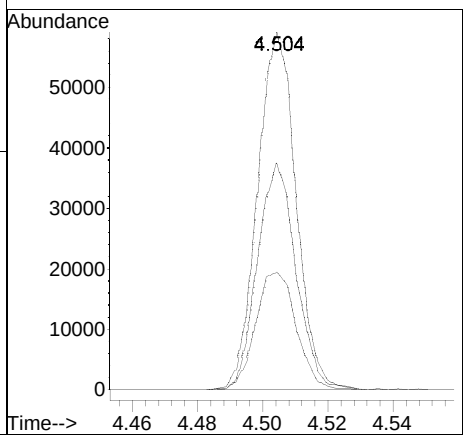


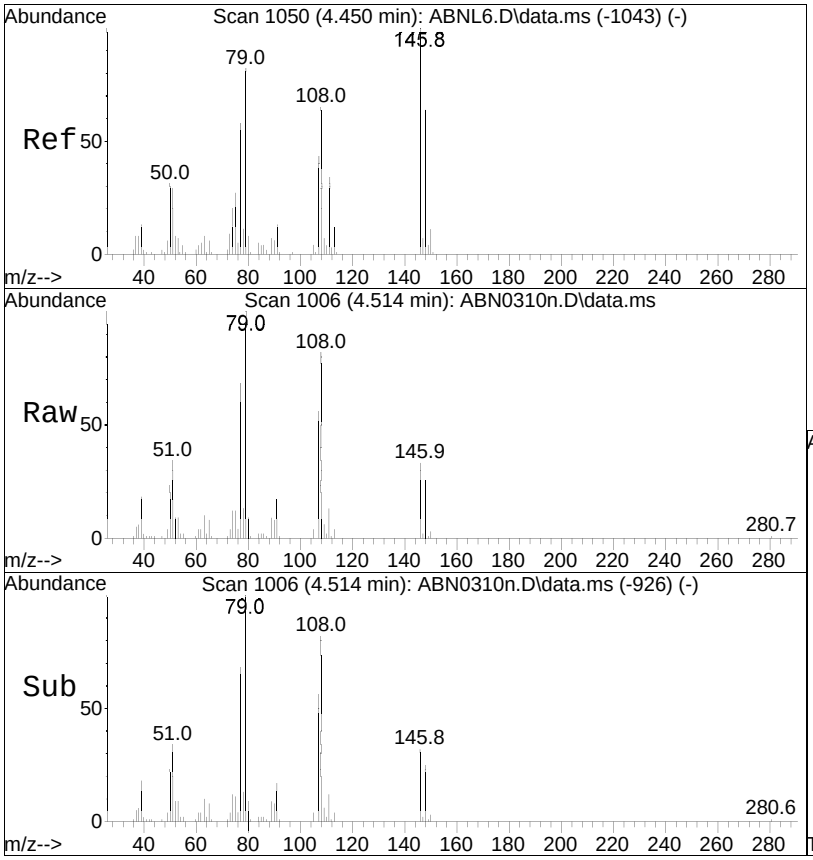


#12
1,2-Dichlorobenzene
Concen: 4.57 ug/ml
RT: 4.504 min Scan# 1003
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:146 Resp: 48193

Ion	Ratio	Lower	Upper
146	100		
111	34.9	34.6	52.0
148	63.5	50.2	75.4

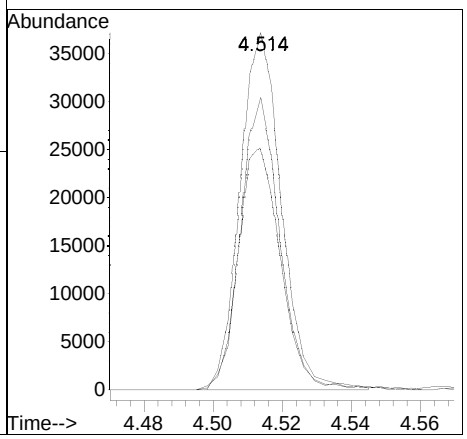


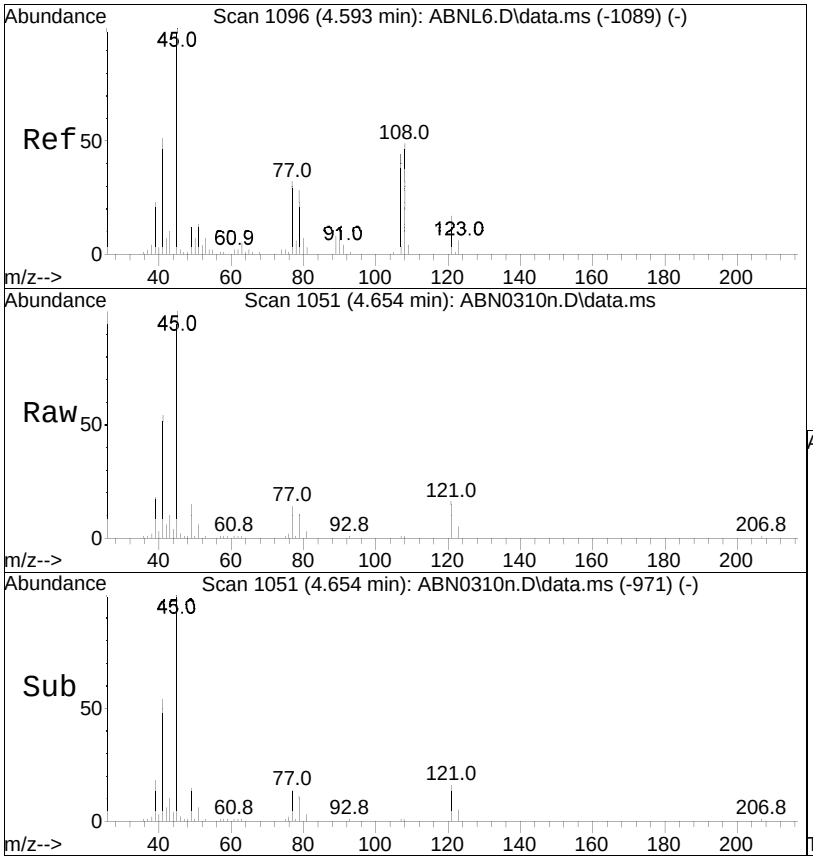


#13
Benzyl alcohol
Concen: 4.81 ug/ml
RT: 4.514 min Scan# 1006
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 79 Resp: 30747

Ion	Ratio	Lower	Upper
79	100		
77	69.9	54.9	82.3
108	78.0	63.1	94.7

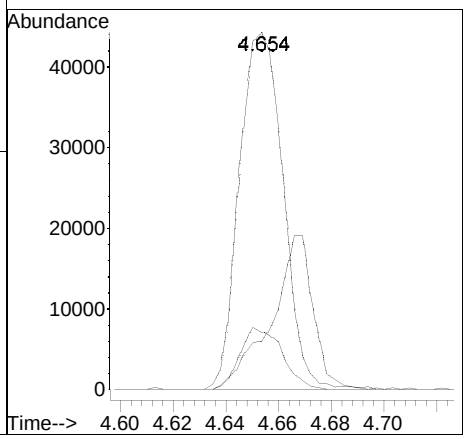


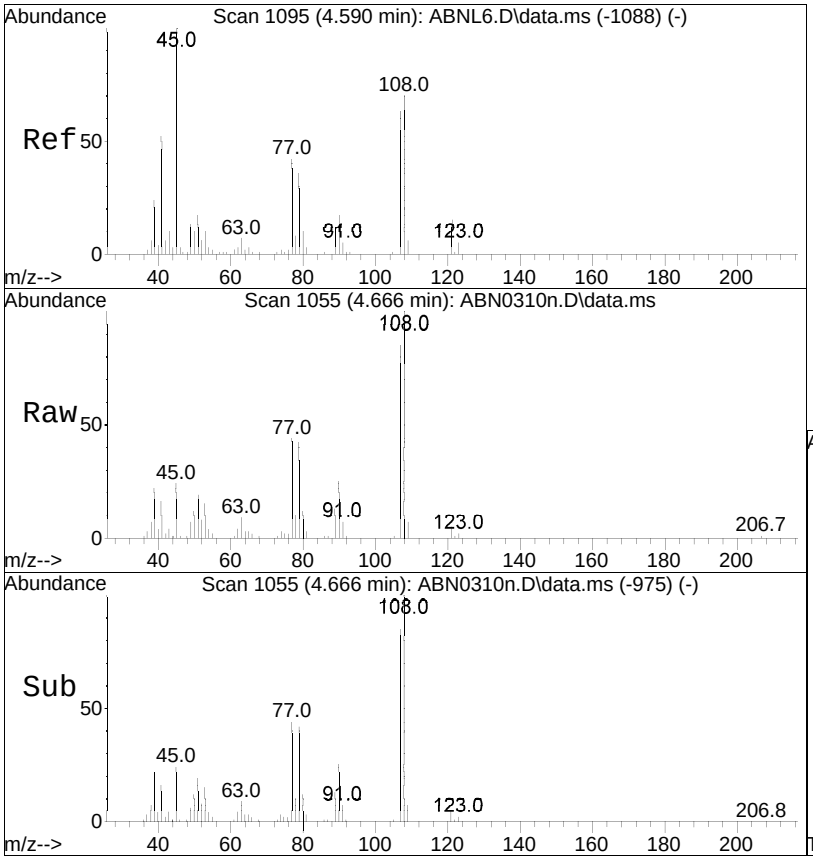


#14
Bis(2-chloroisopropyl)ether
Concen: 4.12 ug/ml
RT: 4.654 min Scan# 1051
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 45 Resp: 50782

Ion	Ratio	Lower	Upper
45	100		
121	16.8	9.8	14.6#
77	41.6	6.1	9.1#

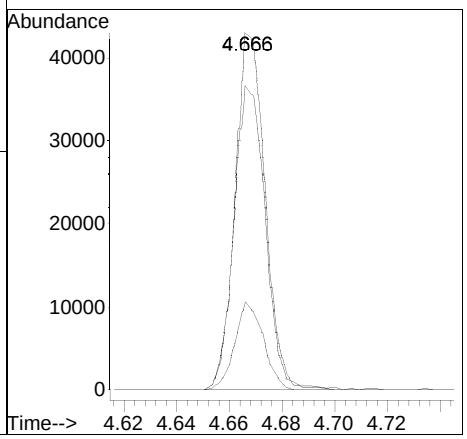


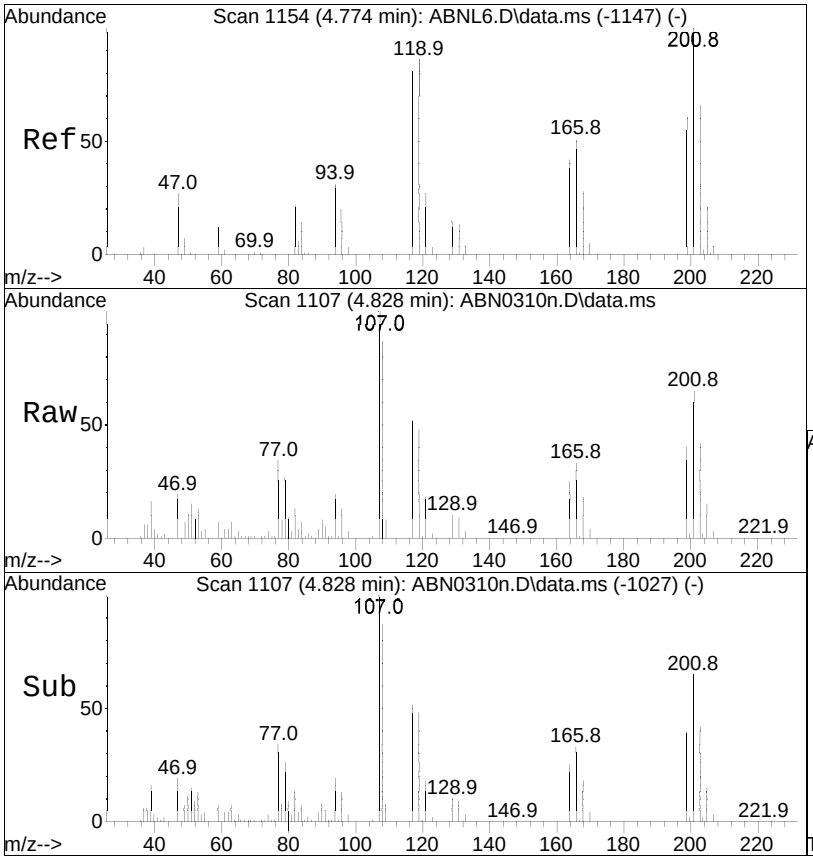


#15
2-Methylphenol
Concen: 4.60 ug/ml
RT: 4.666 min Scan# 1055
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:108 Resp: 34120

Ion	Ratio	Lower	Upper
108	100		
107	88.2	70.7	106.1
90	23.3	18.7	28.1

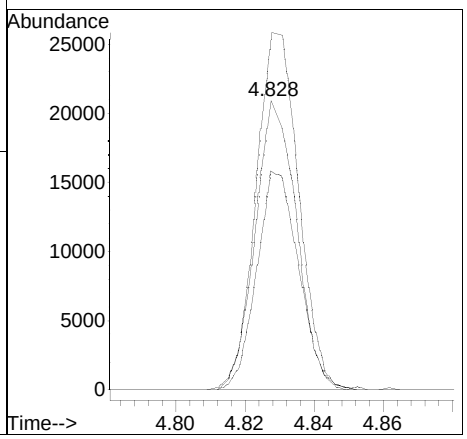


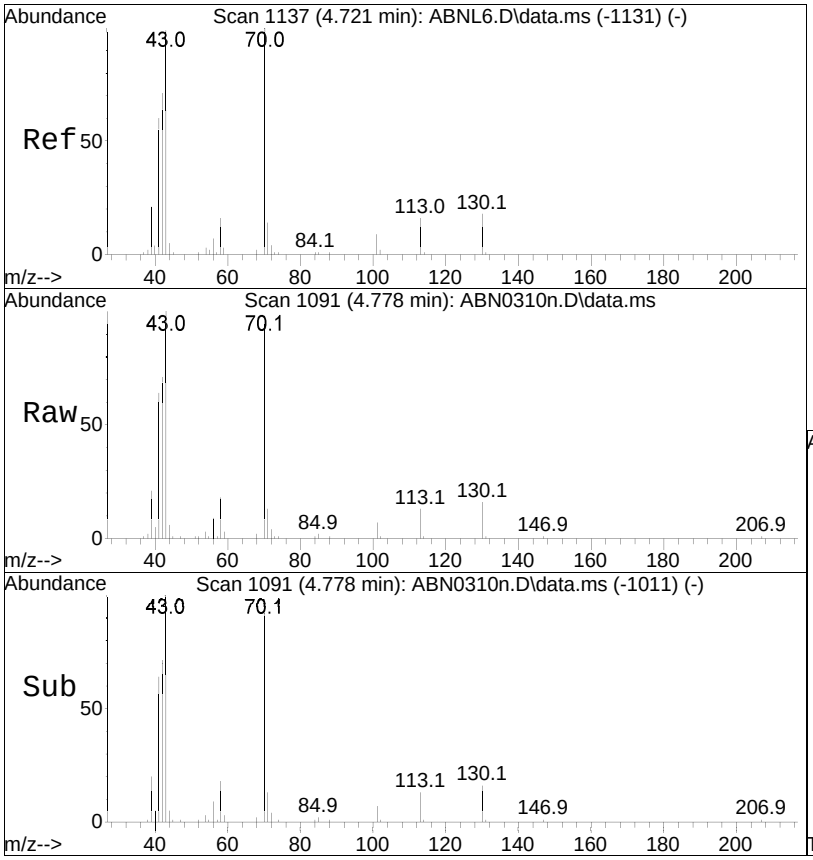


#16
Hexachloroethane
Concen: 4.32 ug/ml
RT: 4.828 min Scan# 1107
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:117 Resp: 17478

Ion	Ratio	Lower	Upper
117	100		
201	126.5	58.6	87.8#
199	76.6	36.9	55.3#

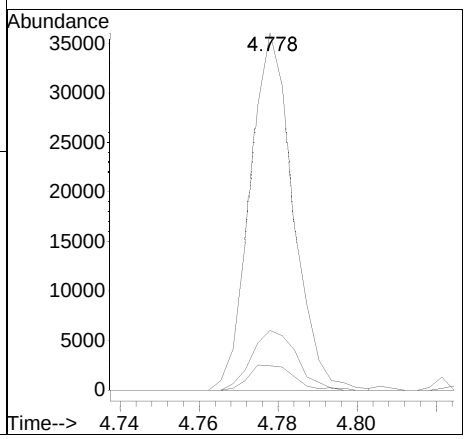


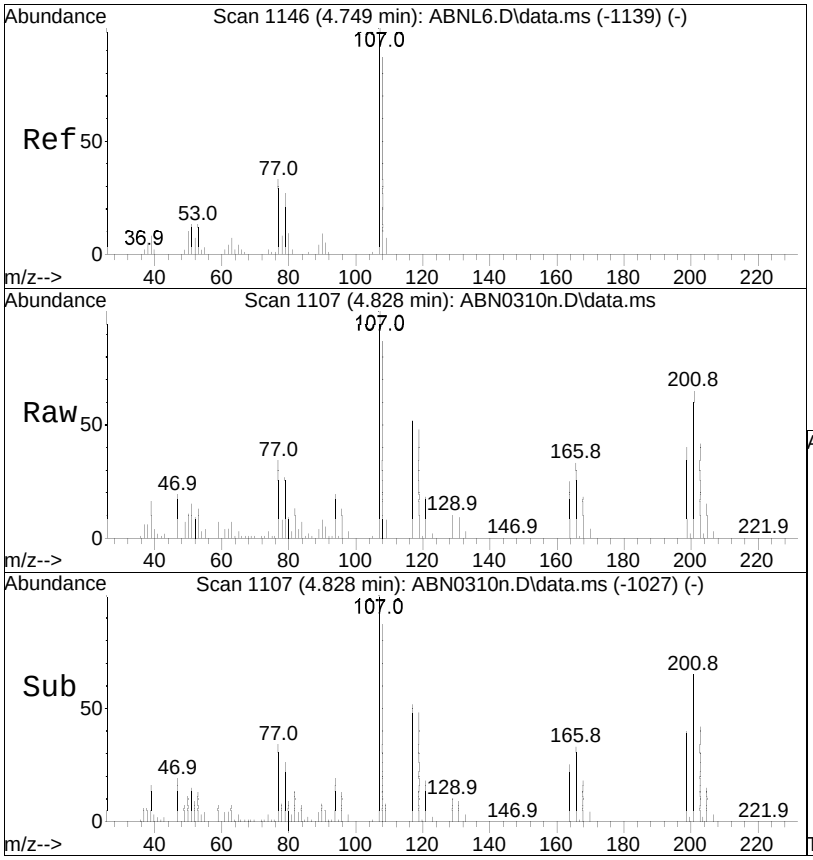


#17
n-Nitrosodi-n-propylamine
Concen: 4.59 ug/ml
RT: 4.778 min Scan# 1091
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 70 Resp: 27195

Ion	Ratio	Lower	Upper
70	100		
130	17.6	18.2	27.4#
101	7.4	7.8	11.8#

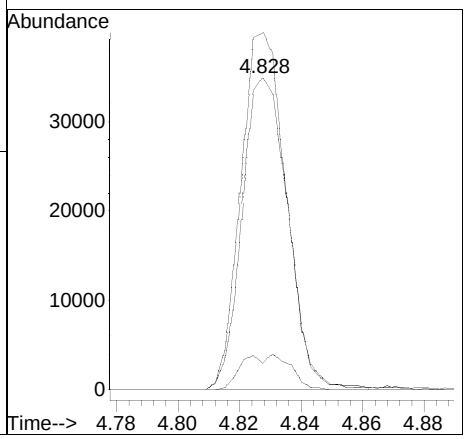


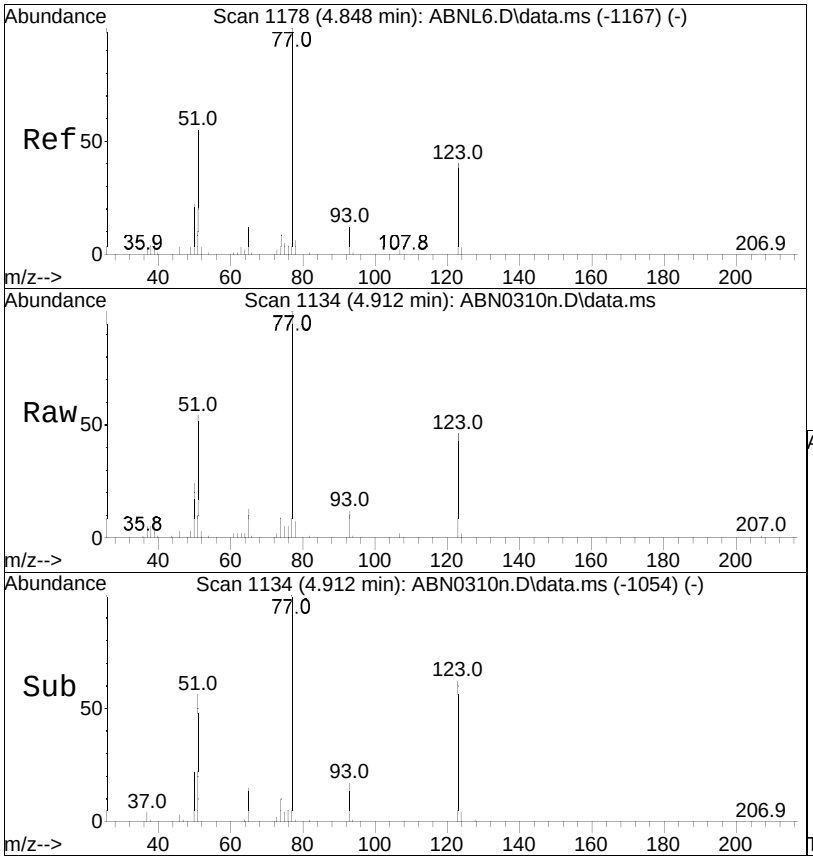


#18
3-Methylphenol/4-Methylphenol
Concen: 4.43 ug/ml
RT: 4.828 min Scan# 1107
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:108 Resp: 35982

Ion	Ratio	Lower	Upper
108	100		
107	113.8	88.6	132.8
90	6.2	8.8	13.2#

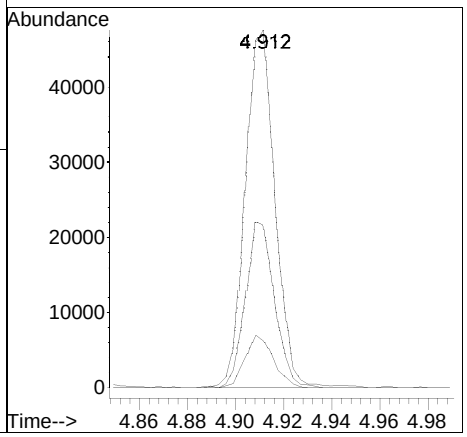


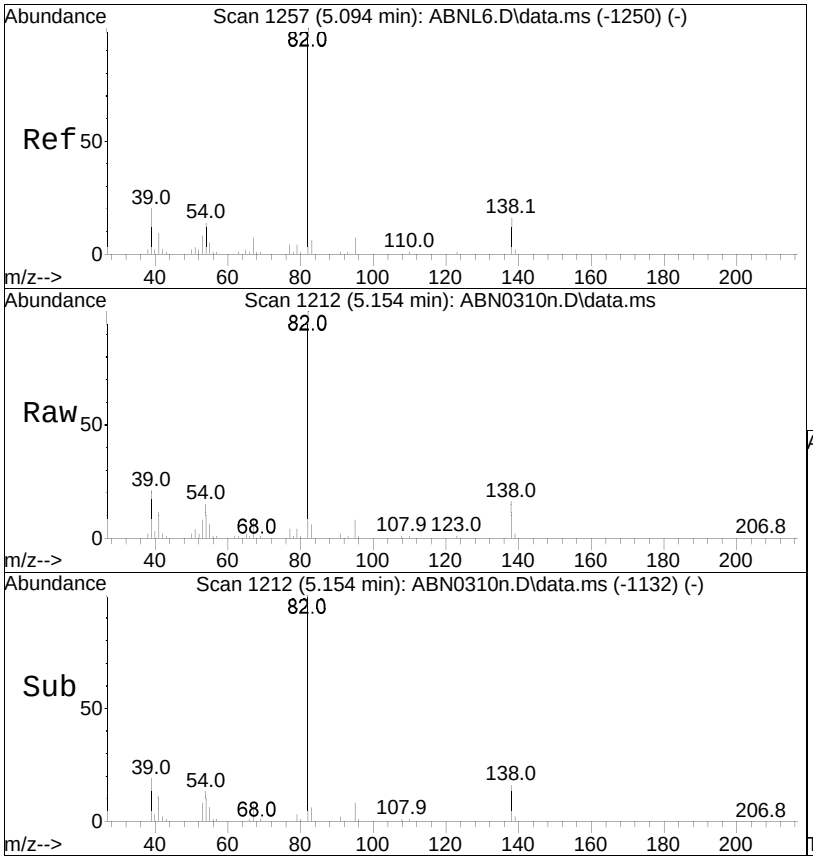


#20
Nitrobenzene
Concen: 4.85 ug/ml
RT: 4.912 min Scan# 1134
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 77 Resp: 40760

Ion	Ratio	Lower	Upper
77	100		
123	45.0	36.3	54.5
65	14.2	11.6	17.4

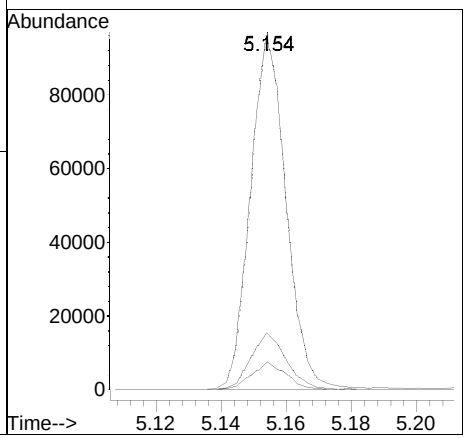


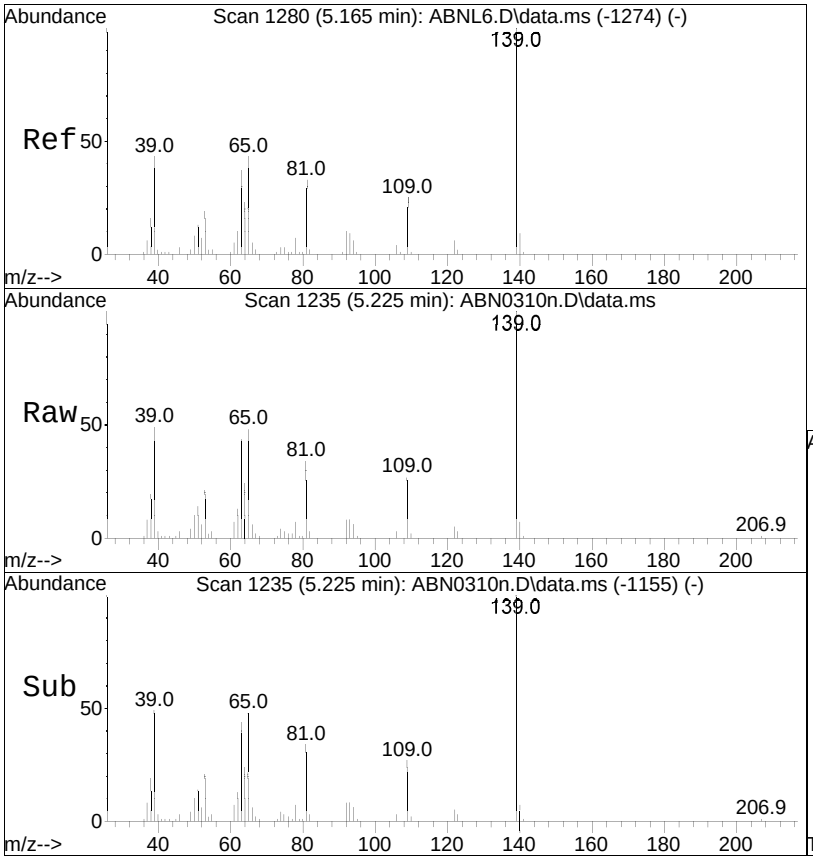


#21
Isophorone
Concen: 4.69 ug/ml
RT: 5.154 min Scan# 1212
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 82 Resp: 72407

Ion	Ratio	Lower	Upper
82	100		
138	15.9	14.7	22.1
95	7.5	5.2	7.8

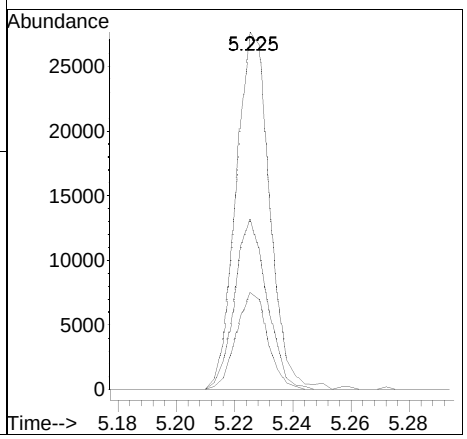


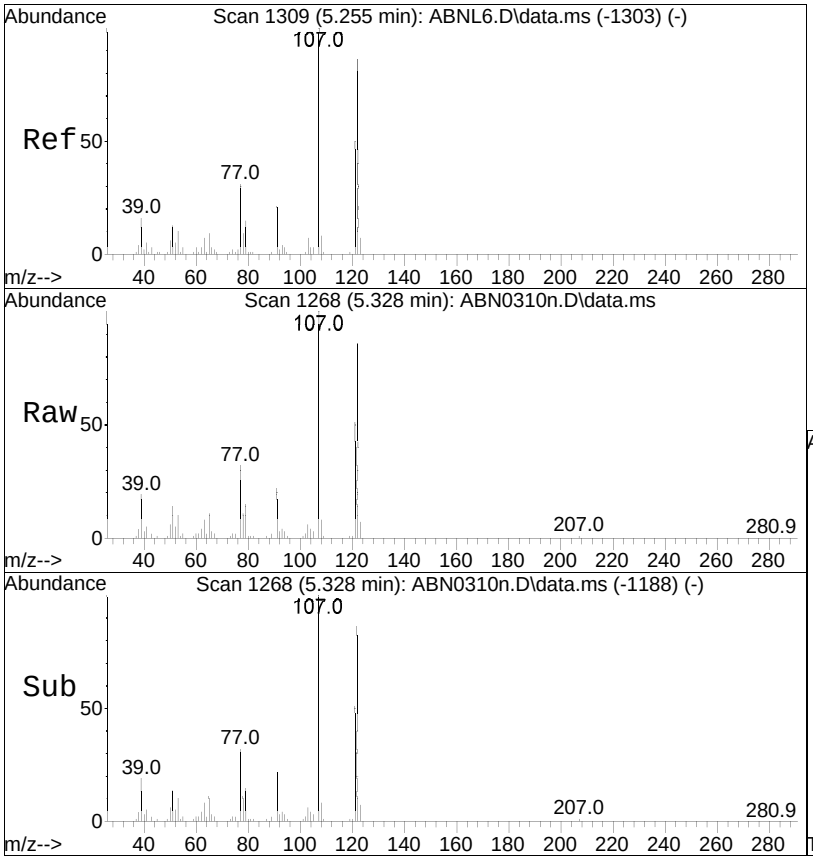


#22
2-Nitrophenol
Concen: 5.21 ug/ml
RT: 5.225 min Scan# 1235
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:139 Resp: 22134

Ion	Ratio	Lower	Upper
139	100		
109	25.5	19.4	29.0
65	45.8	46.1	69.1#

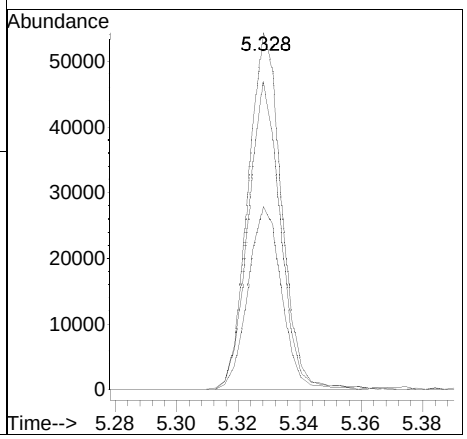


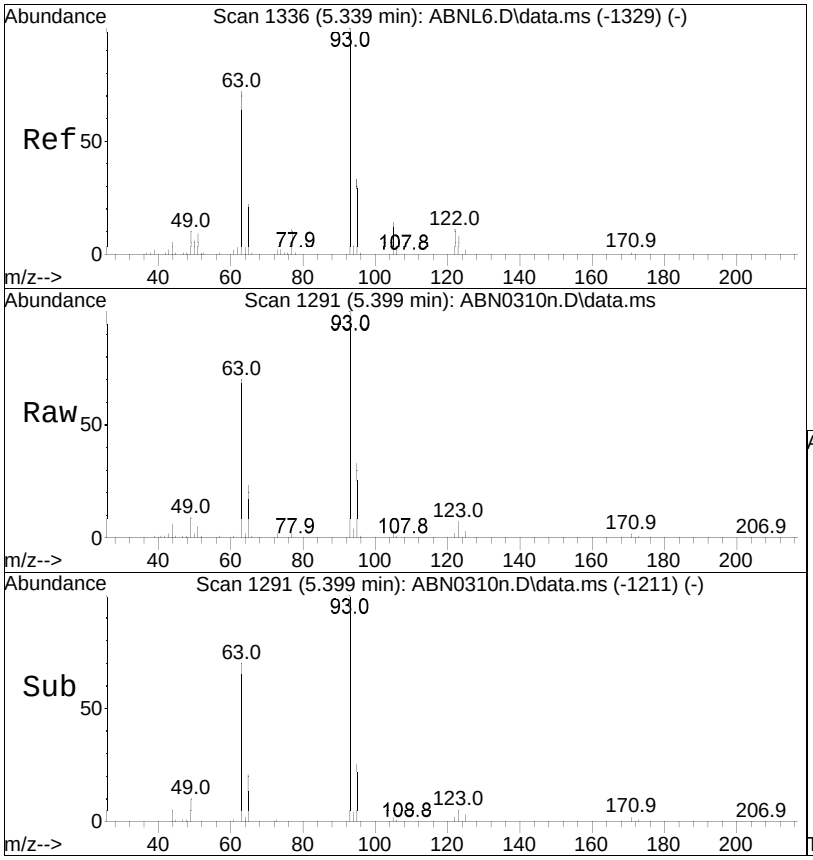


#23
2,4-Dimethylphenol
Concen: 5.39 ug/ml
RT: 5.328 min Scan# 1268
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:107 Resp: 40758

Ion	Ratio	Lower	Upper
107	100		
121	51.6	40.0	60.0
122	83.4	70.2	105.4

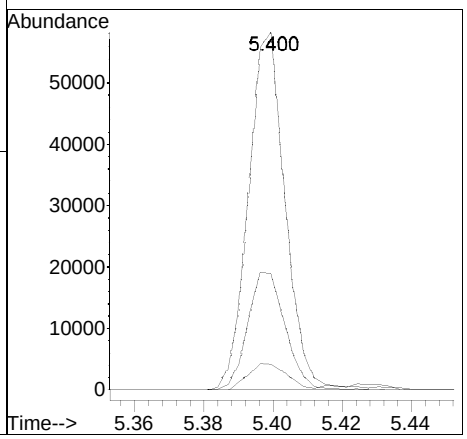


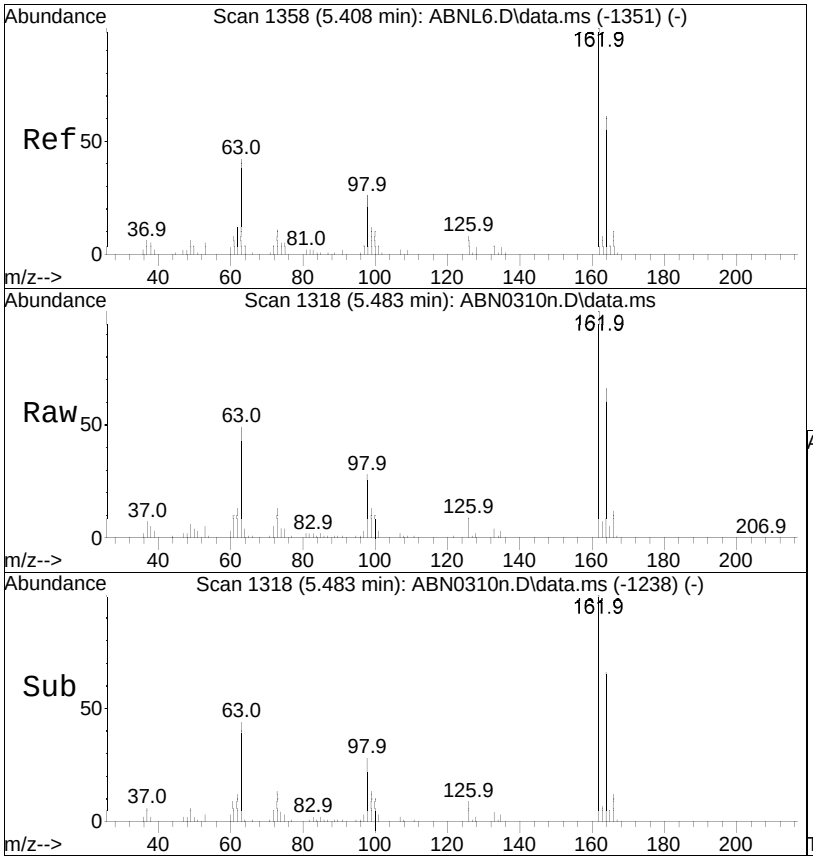


#24
Bis(2-chloroethoxy)methane
Concen: 4.44 ug/ml
RT: 5.399 min Scan# 1291
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 93 Resp: 42679

Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.8	38.8
123	8.0	10.1	15.1#

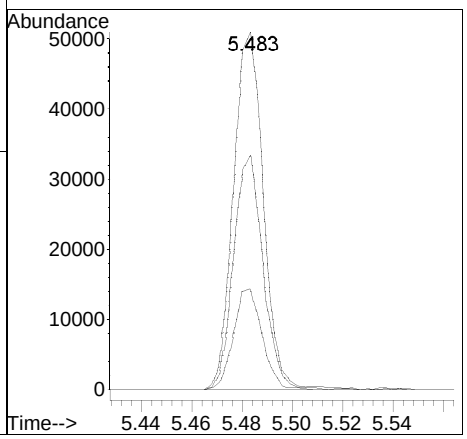


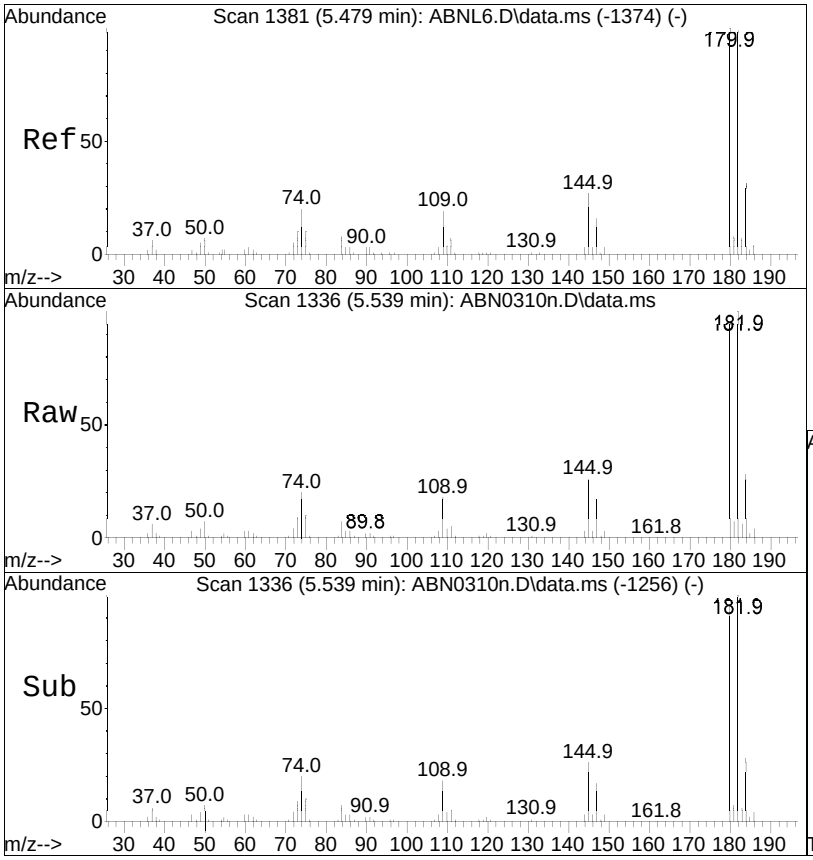


#25
2,4-Dichlorophenol
Concen: 4.74 ug/ml
RT: 5.483 min Scan# 1318
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:162 Resp: 41825

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.0	76.4
98	27.3	32.2	48.2#

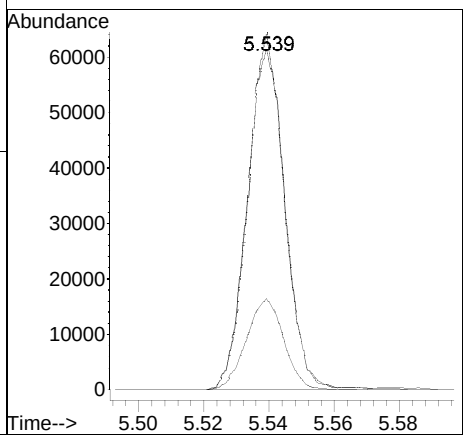


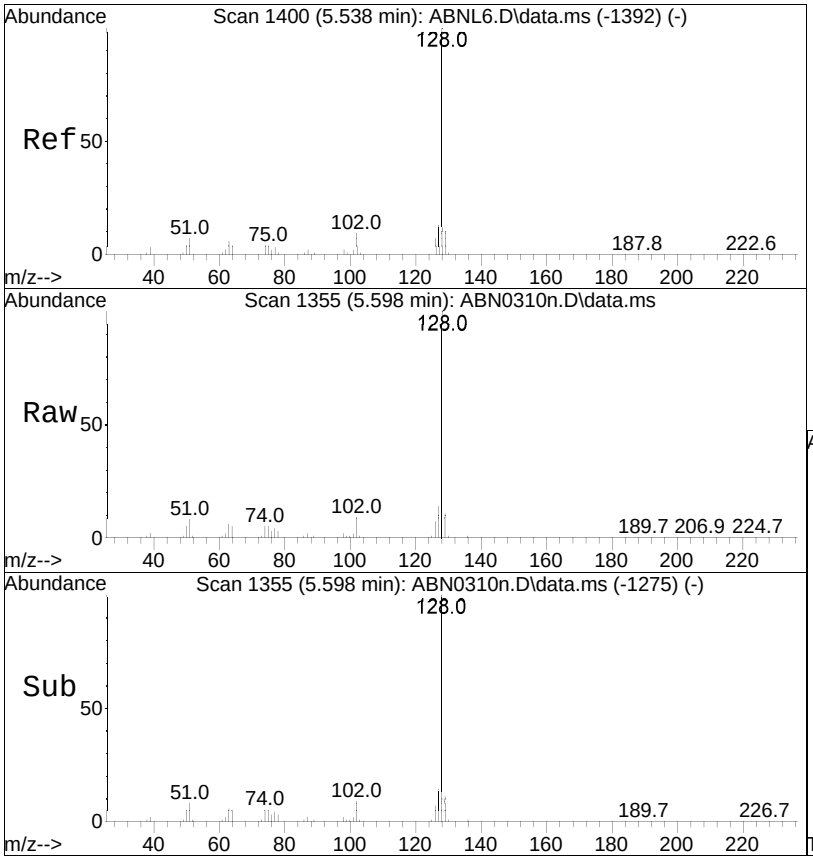


#26
1,2,4-Trichlorobenzene
Concen: 4.62 ug/ml
RT: 5.539 min Scan# 1336
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:180 Resp: 49340

Ion	Ratio	Lower	Upper
180	100		
182	100.1	76.0	114.0
145	26.6	25.7	38.5

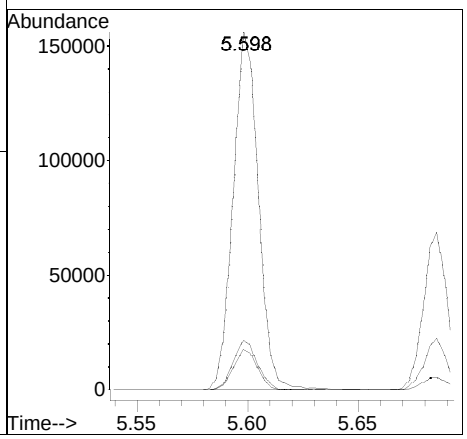


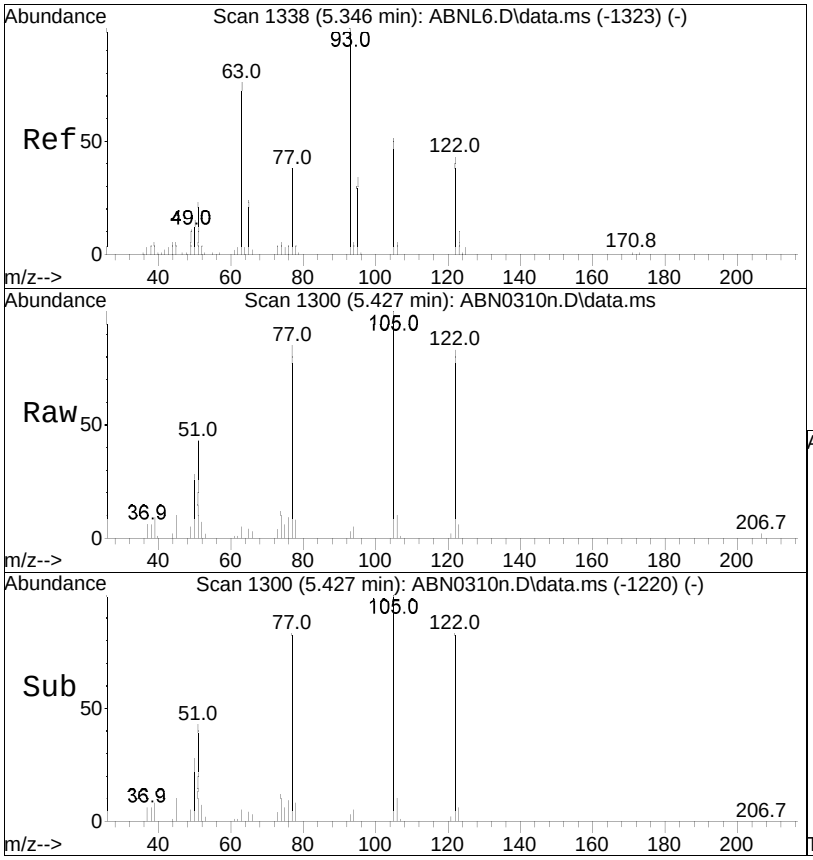


#38
Naphthalene
Concen: 4.38 ug/ml
RT: 5.598 min Scan# 1355
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:128 Resp: 123390

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.5	10.3	15.5

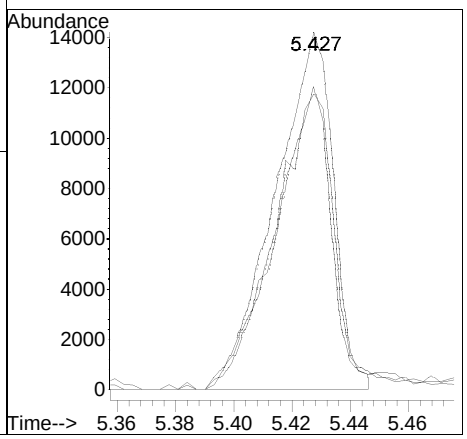


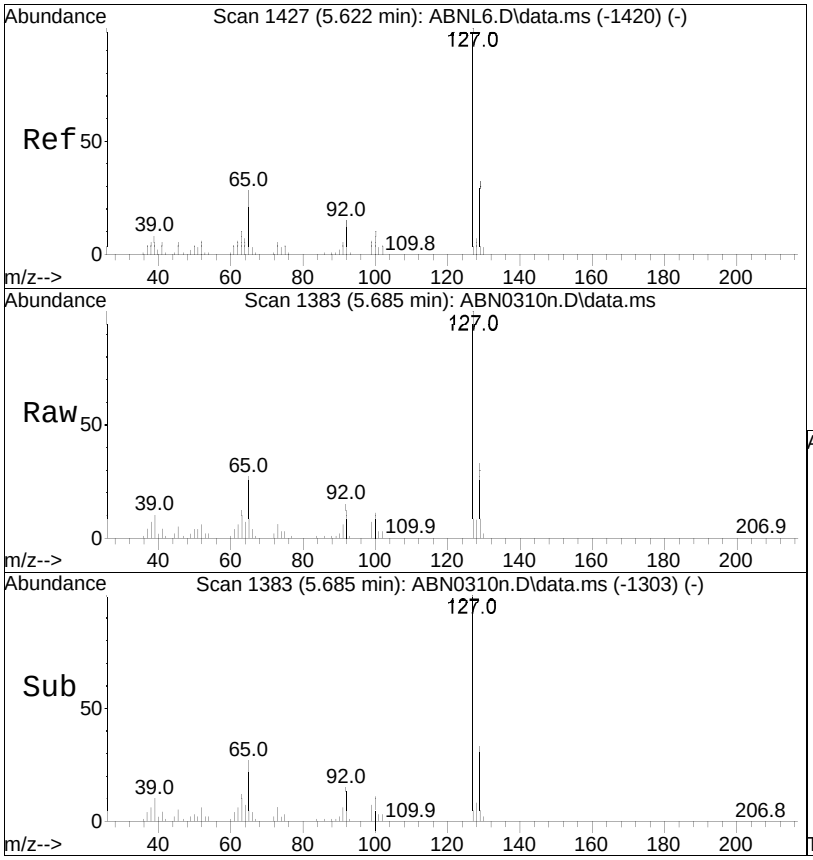


#39
Benzoic Acid
Concen: 3.38 ug/ml
RT: 5.427 min Scan# 1300
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:105 Resp: 19676

Ion	Ratio	Lower	Upper
105	100		
122	87.7	59.9	89.9
77	81.5	60.1	90.1

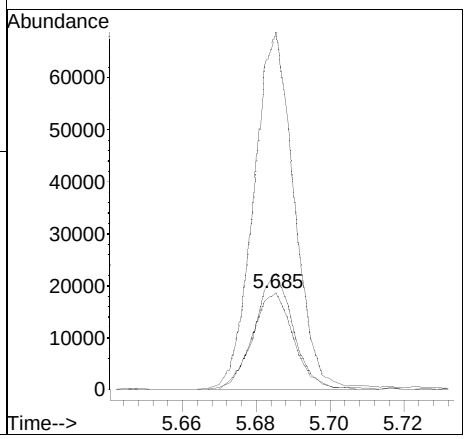


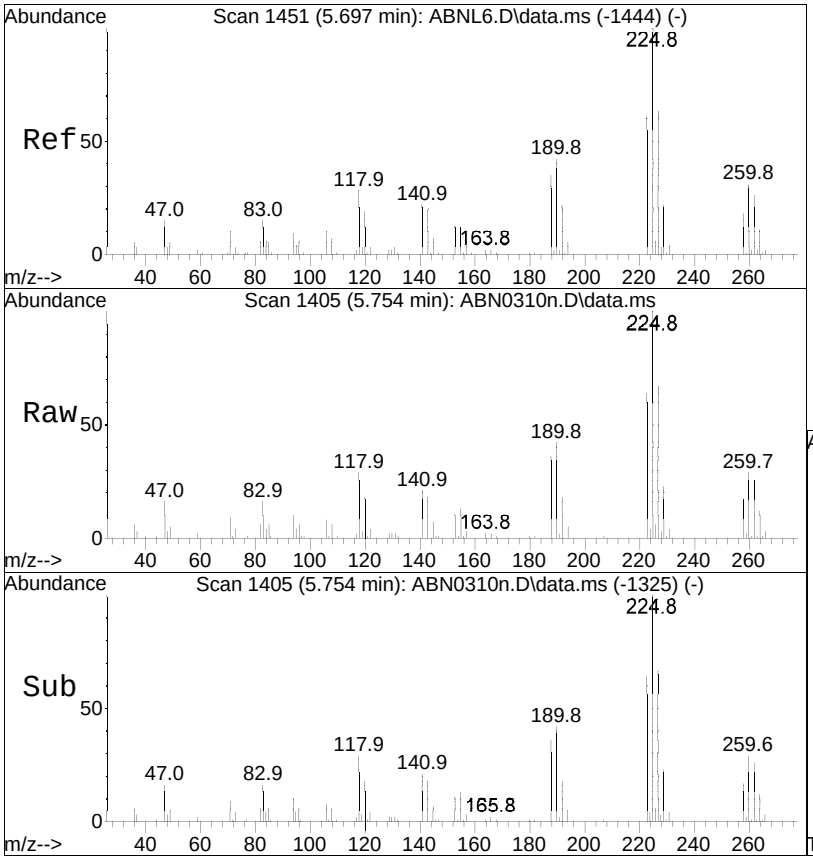


#40
4-Chloroaniline
Concen: 4.67 ug/ml
RT: 5.685 min Scan# 1383
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 65 Resp: 14455

Ion	Ratio	Lower	Upper
65	100		
127	361.2	237.6	356.4#
129	112.4	76.3	114.5

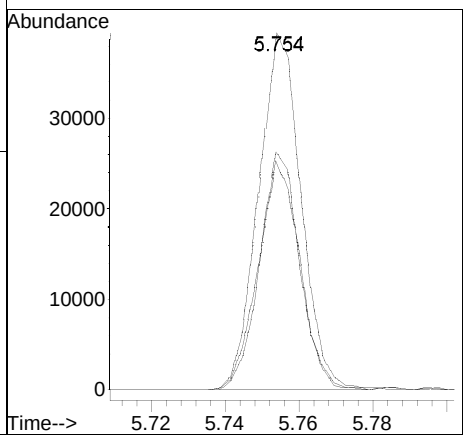


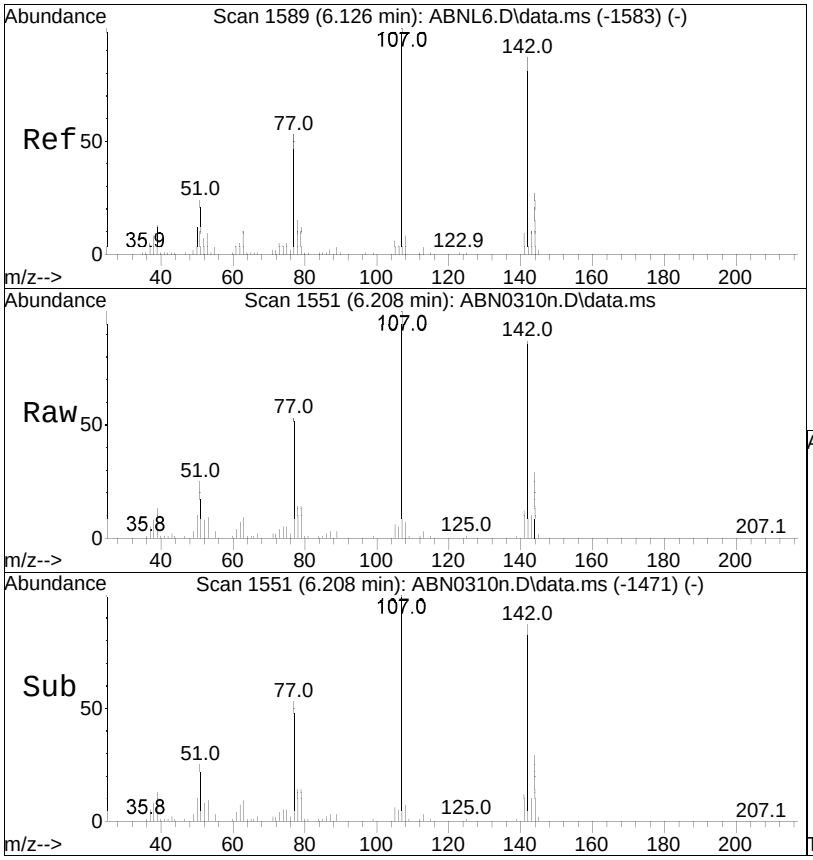


#41
Hexachlorobutadiene
Concen: 4.76 ug/ml
RT: 5.754 min Scan# 1405
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:225 Resp: 31515

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	63.0	52.2	78.2

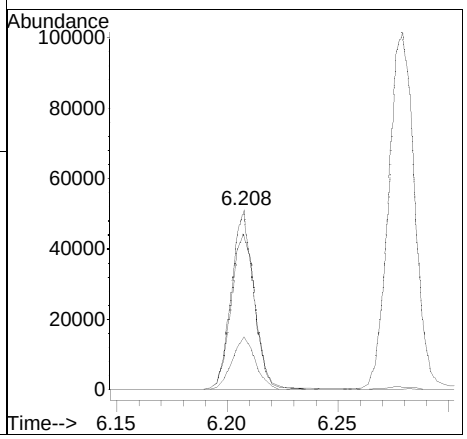


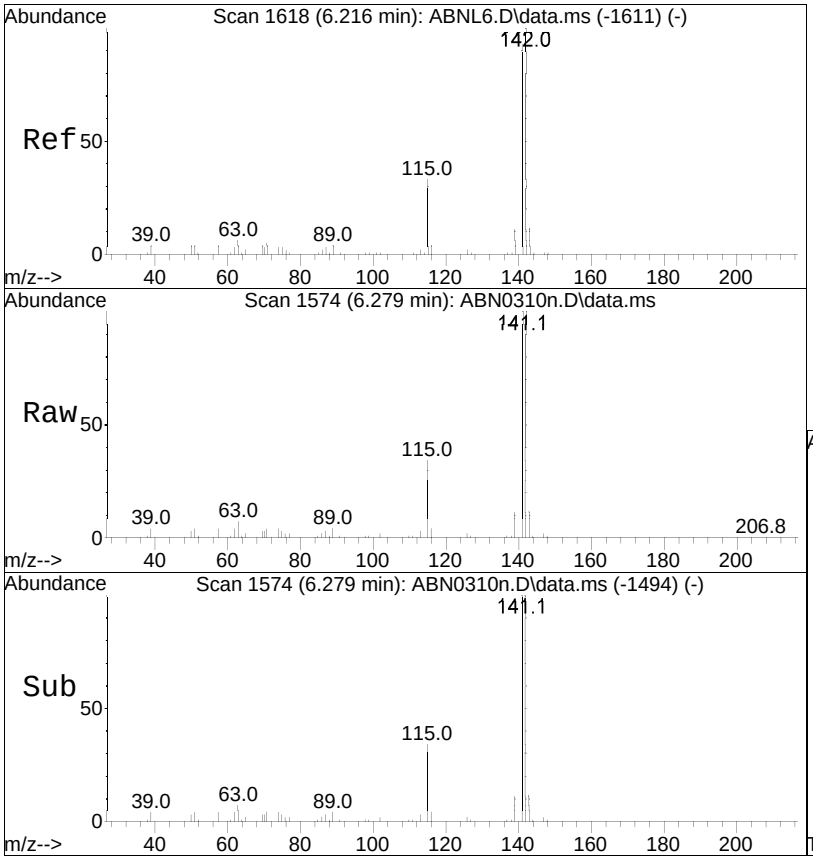


#42
p-Chloro-m-cresol
Concen: 4.91 ug/ml
RT: 6.208 min Scan# 1551
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:107 Resp: 36440

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	91.4	66.1	99.1

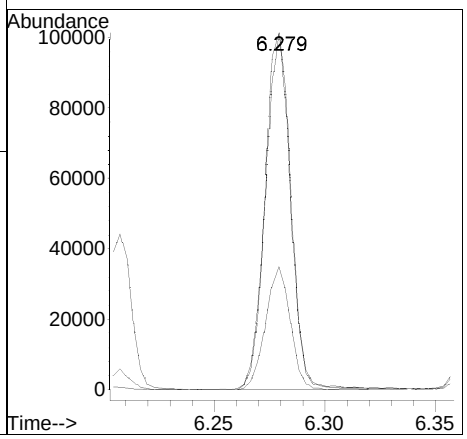


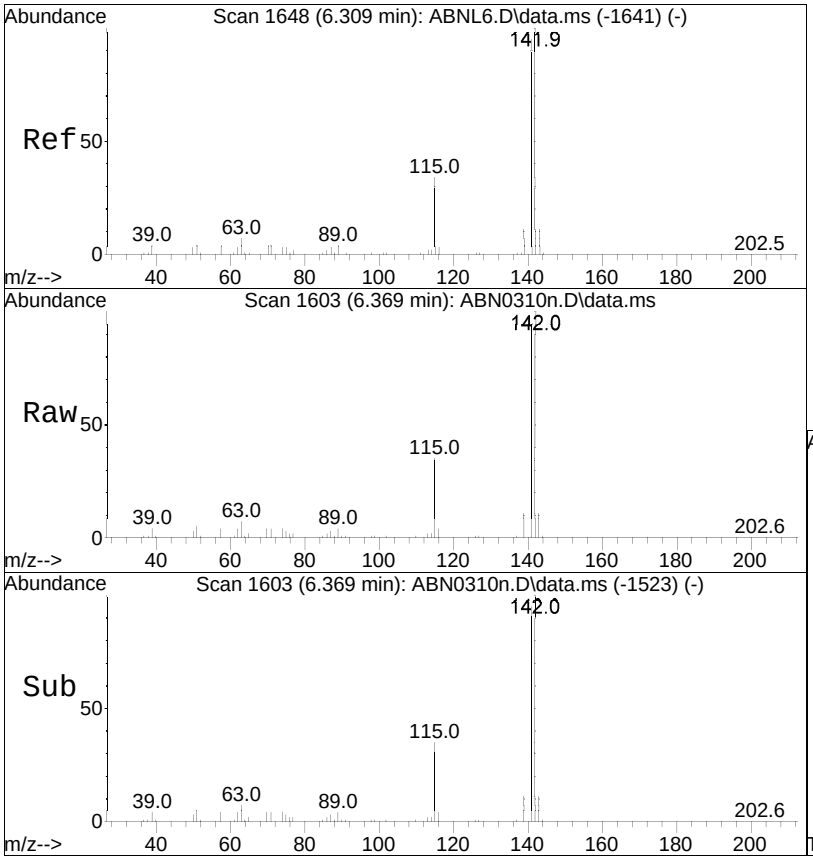


#43
2-Methylnaphthalene
Concen: 4.28 ug/ml
RT: 6.279 min Scan# 1574
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:142 Resp: 83343

Ion	Ratio	Lower	Upper
142	100		
141	94.6	69.6	104.4
115	32.6	26.6	40.0

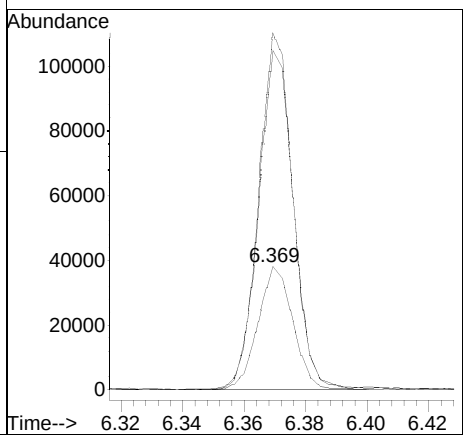


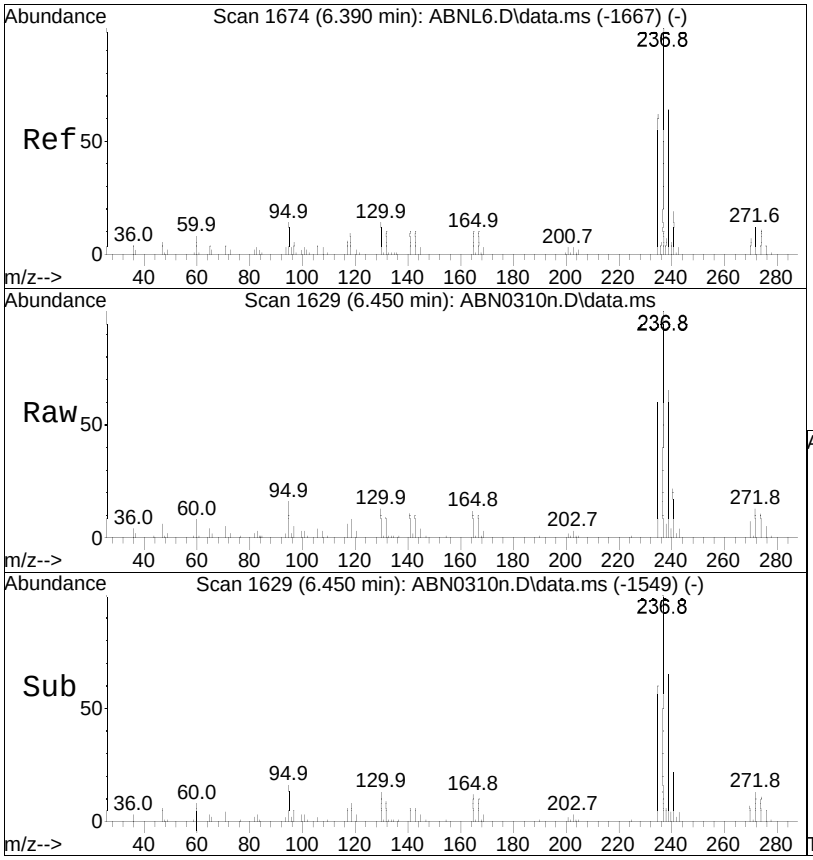


#44
1-Methylnaphthalene
Concen: 4.82 ug/ml
RT: 6.369 min Scan# 1603
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:115 Resp: 29875

Ion	Ratio	Lower	Upper
115	100		
141	273.2	207.8	311.6
142	283.2	226.8	340.2

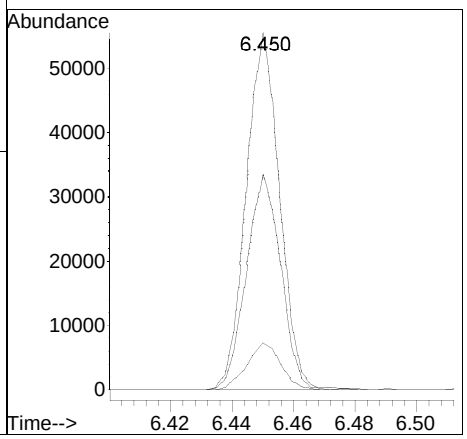


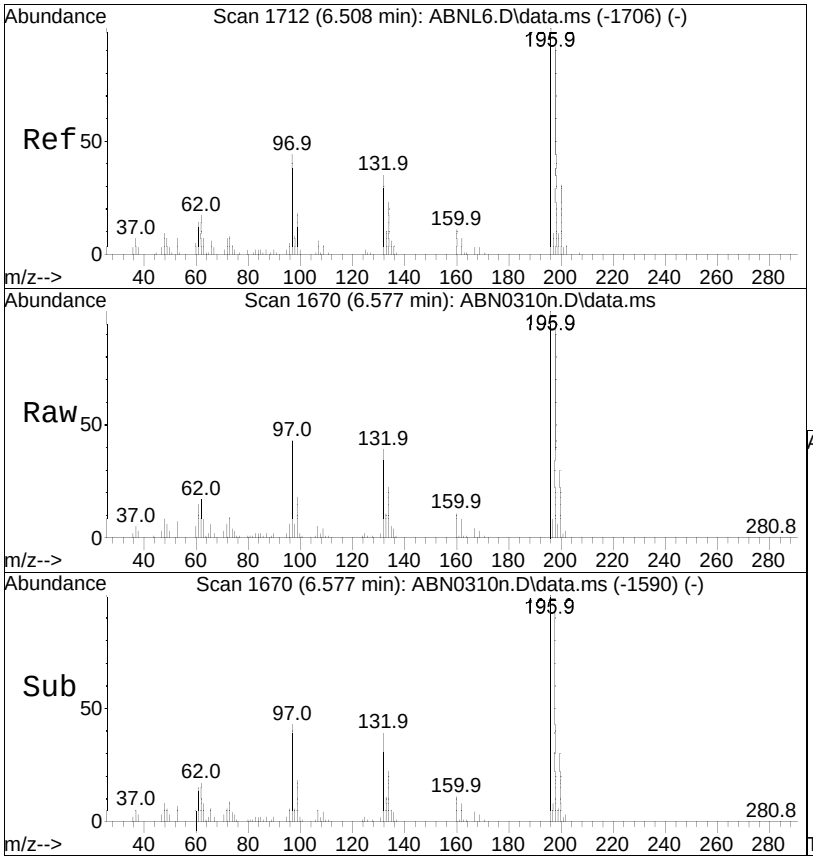


#45
Hexachlorocyclopentadiene
Concen: 6.00 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:237 Resp: 41816

Ion	Ratio	Lower	Upper
237	100		
235	61.8	49.7	74.5
272	13.5	9.8	14.6

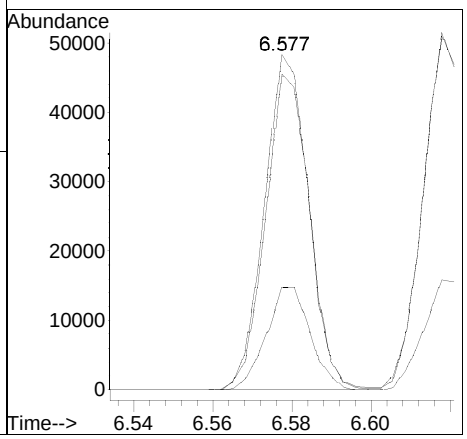


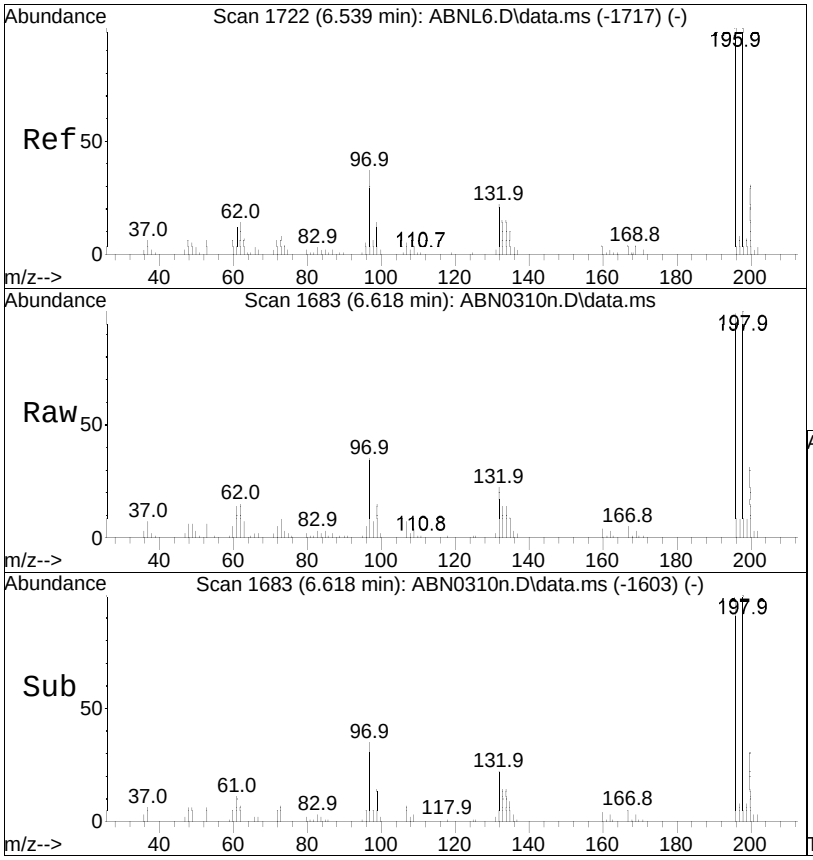


#46
2,4,6-Trichlorophenol
Concen: 5.09 ug/ml
RT: 6.577 min Scan# 1670
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:196 Resp: 37309

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.5	116.3
200	30.8	23.8	35.6

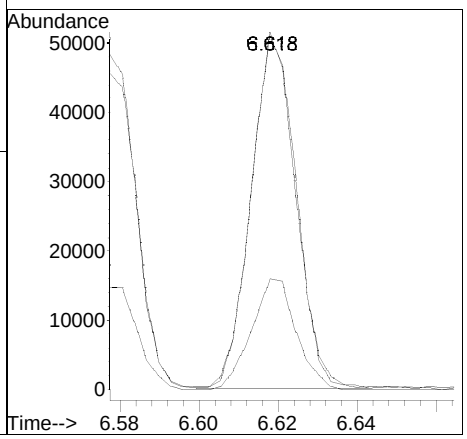


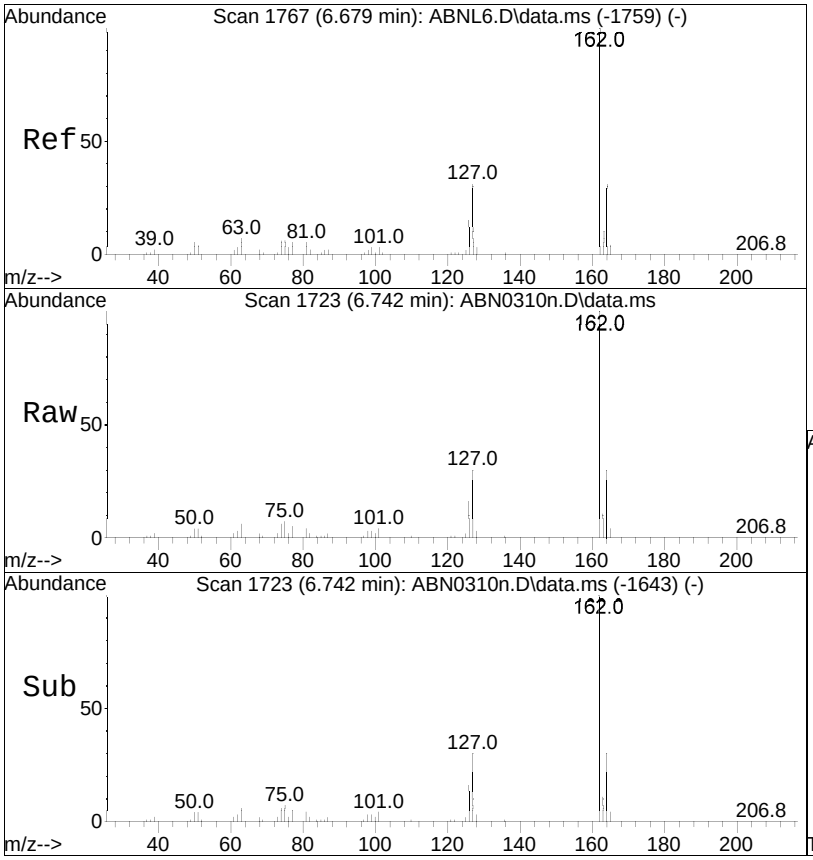


#47
2,4,5-Trichlorophenol
Concen: 4.94 ug/ml
RT: 6.618 min Scan# 1683
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:196 Resp: 40528

Ion	Ratio	Lower	Upper
196	100		
200	31.0	25.4	38.0
198	97.7	78.0	117.0

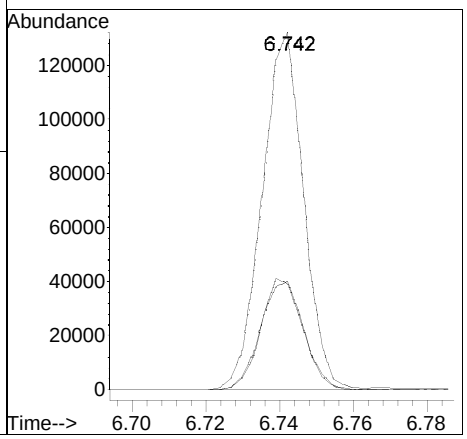


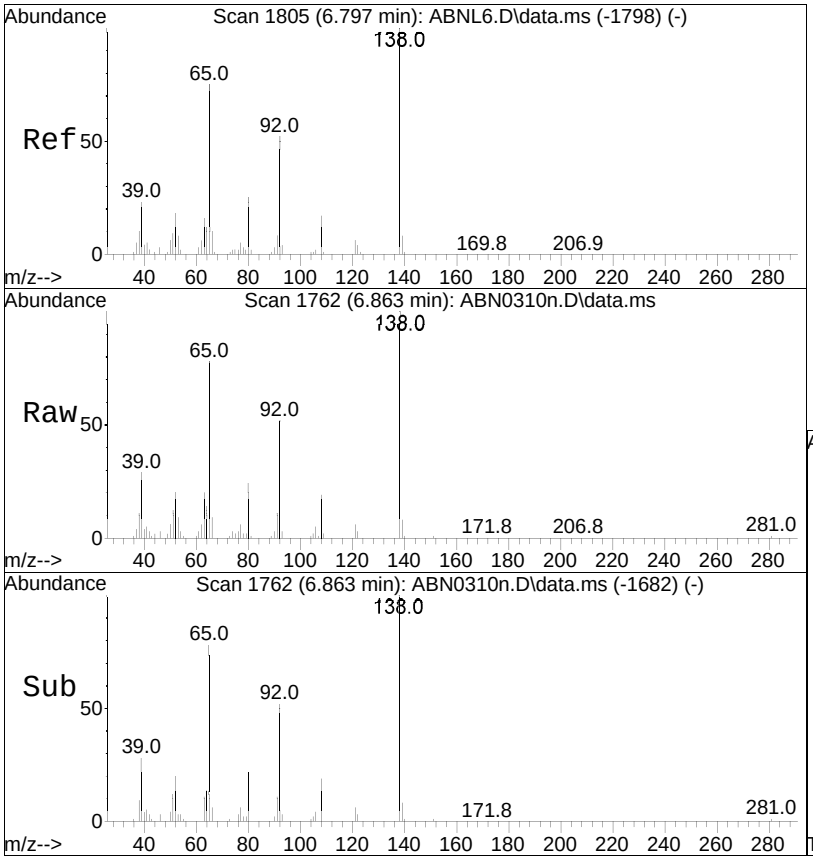


#49
2-Chloronaphthalene
Concen: 4.69 ug/ml
RT: 6.742 min Scan# 1723
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:162 Resp: 102428

Ion	Ratio	Lower	Upper
162	100		
127	31.8	32.2	48.4#
164	31.7	25.7	38.5

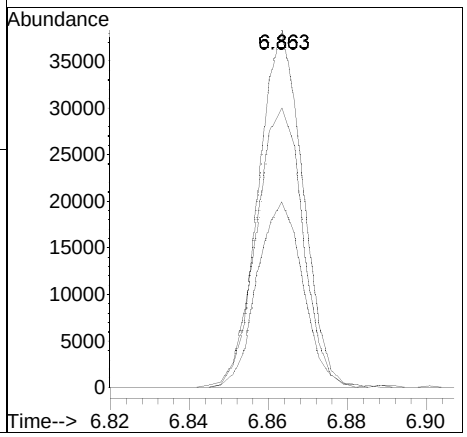


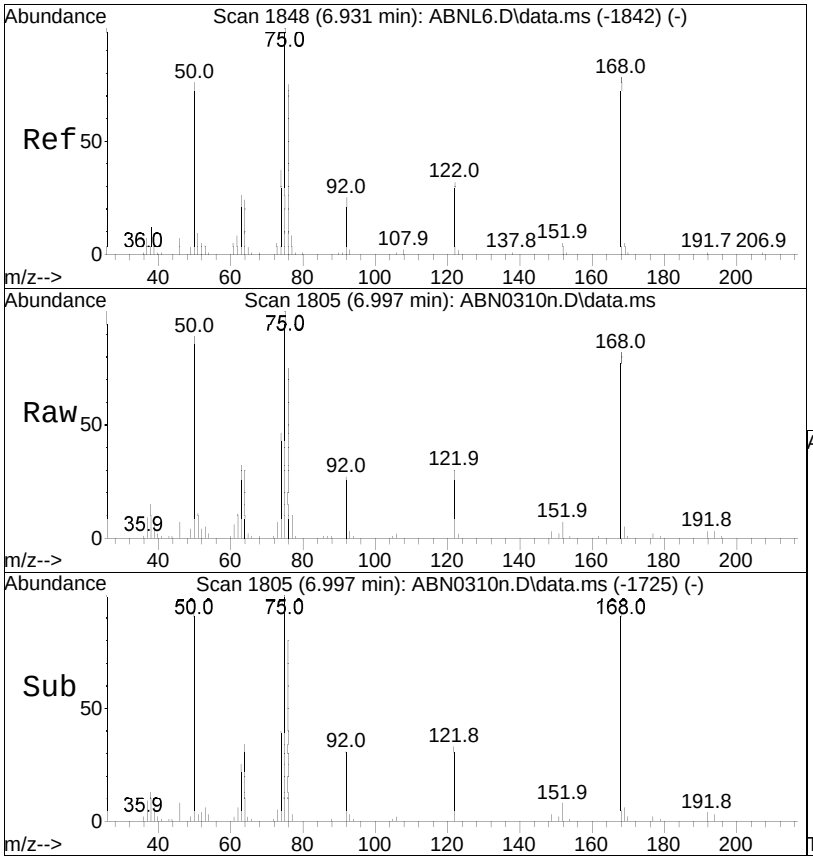


#50
2-Nitroaniline
Concen: 5.31 ug/ml
RT: 6.863 min Scan# 1762
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:138 Resp: 29661

Ion	Ratio	Lower	Upper
138	100		
92	54.1	53.5	80.3
65	82.8	86.3	129.5#

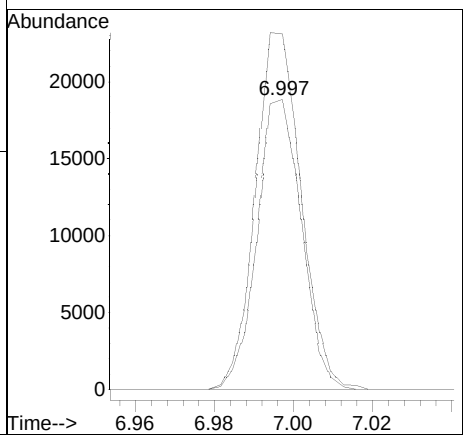


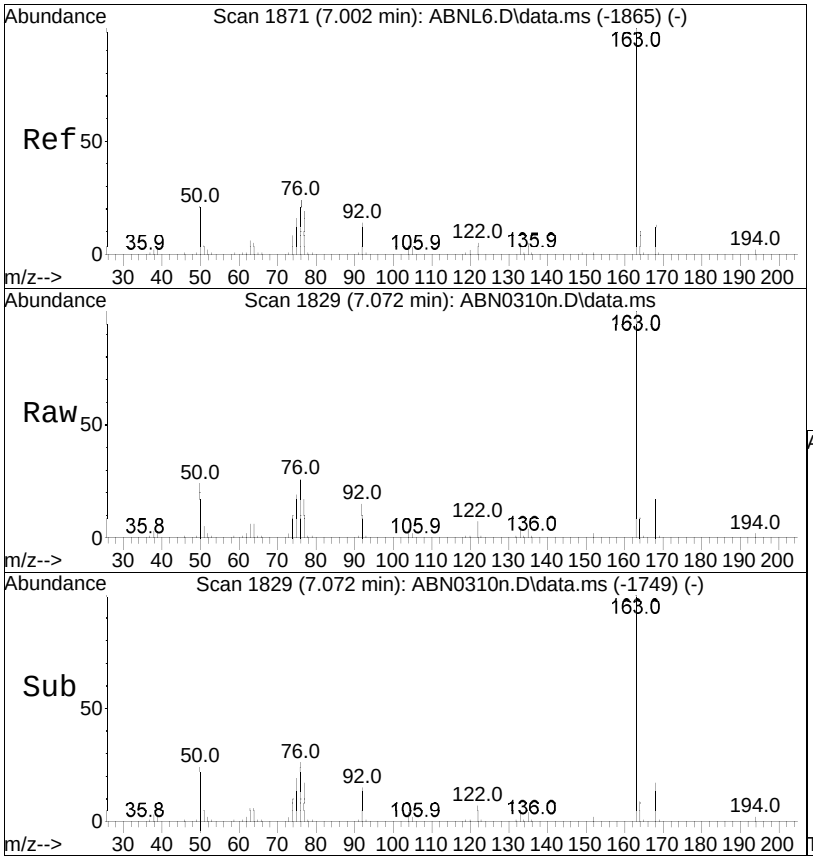


#51
1,4-Dinitrobenzene
Concen: 6.07 ug/ml
RT: 6.997 min Scan# 1805
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:168 Resp: 14717

Ion	Ratio	Lower	Upper
168	100		
75	126.8	121.8	182.8

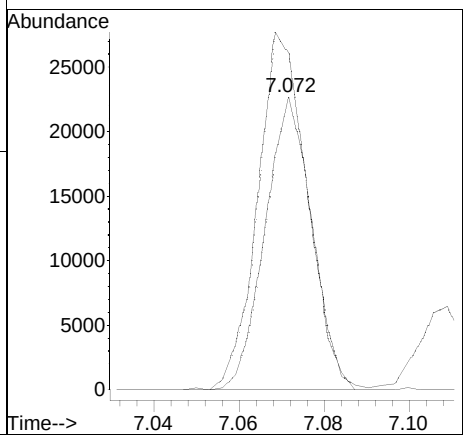


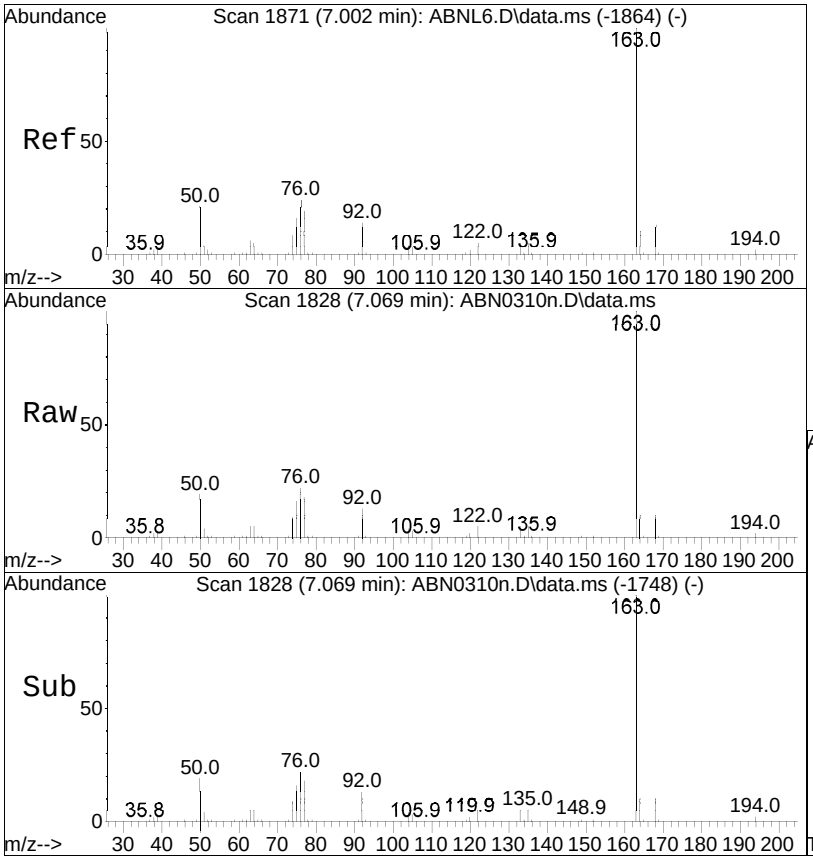


#52
1,3-Dinitrobenzene
Concen: 5.89 ug/ml
RT: 7.072 min Scan# 1829
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:168 Resp: 17118

Ion	Ratio	Lower	Upper
168	100		
75	129.9	22.7	34.1#

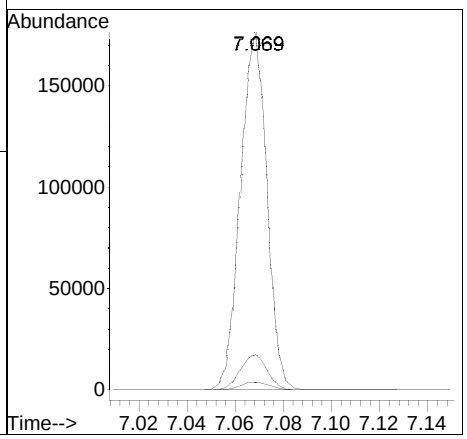


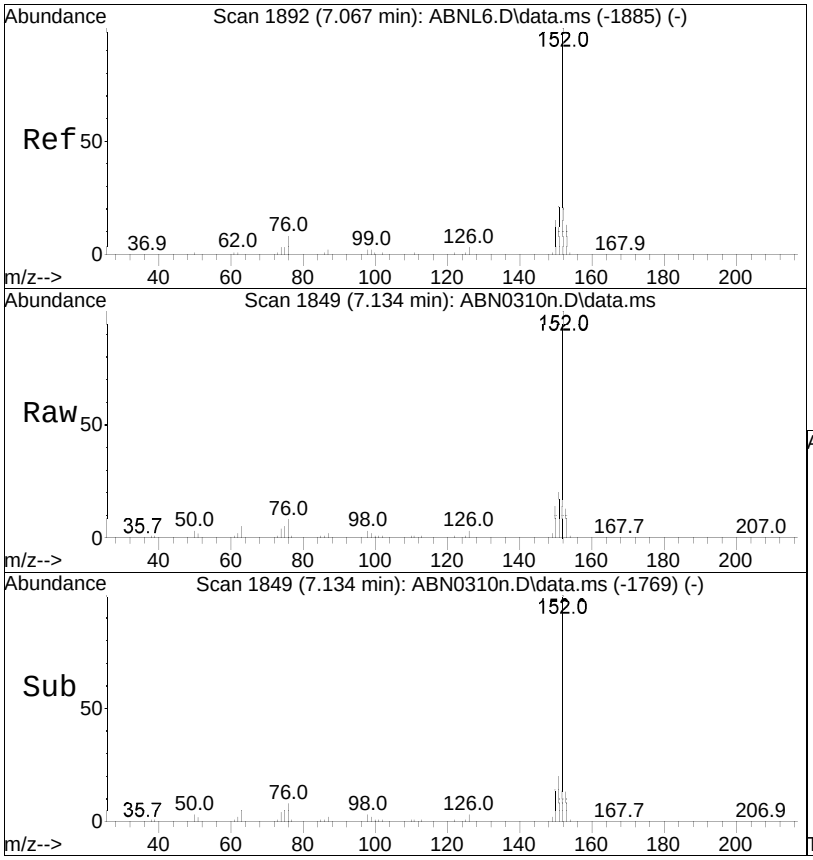


#53
Dimethyl phthalate
Concen: 5.25 ug/ml
RT: 7.069 min Scan# 1828
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:163 Resp: 133131

Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	10.1	7.9	11.9

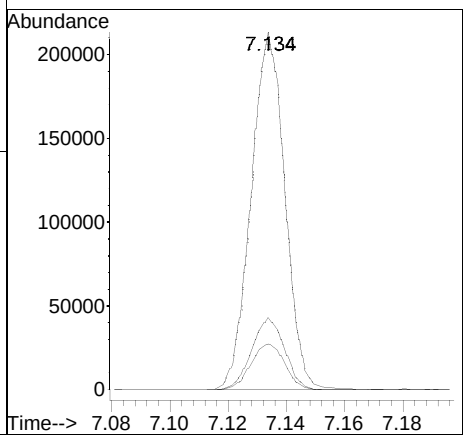


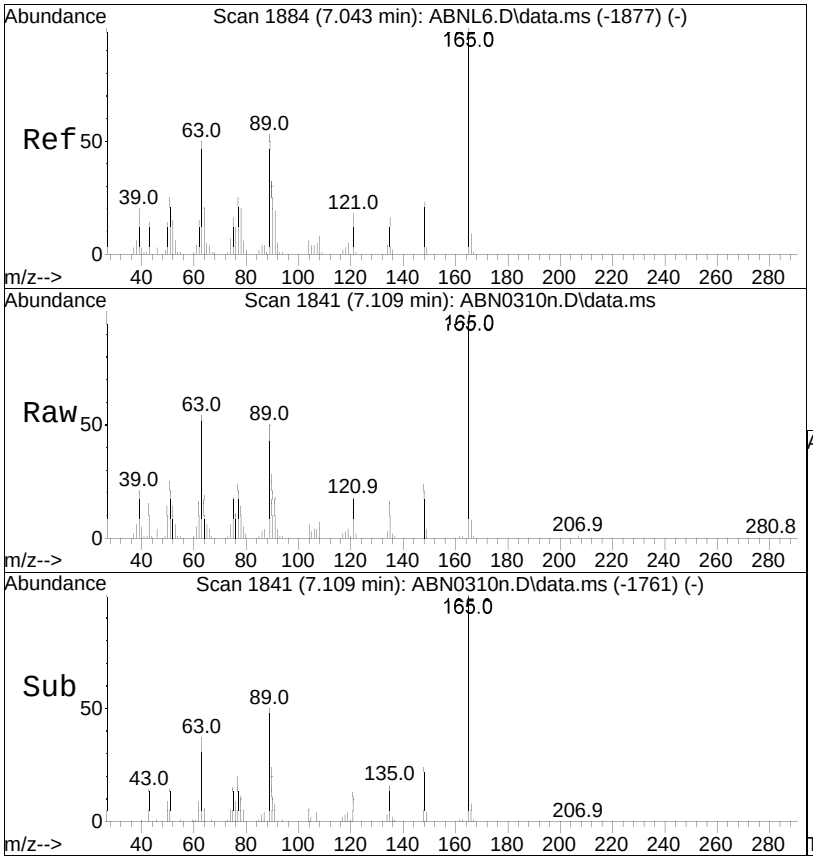


#54
Acenaphthylene
Concen: 5.30 ug/ml
RT: 7.134 min Scan# 1849
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:152 Resp: 169902

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.0	10.5	15.7

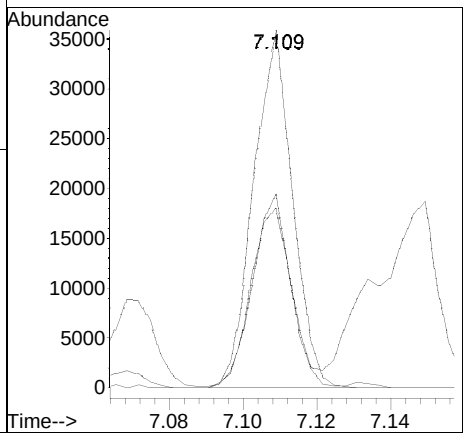


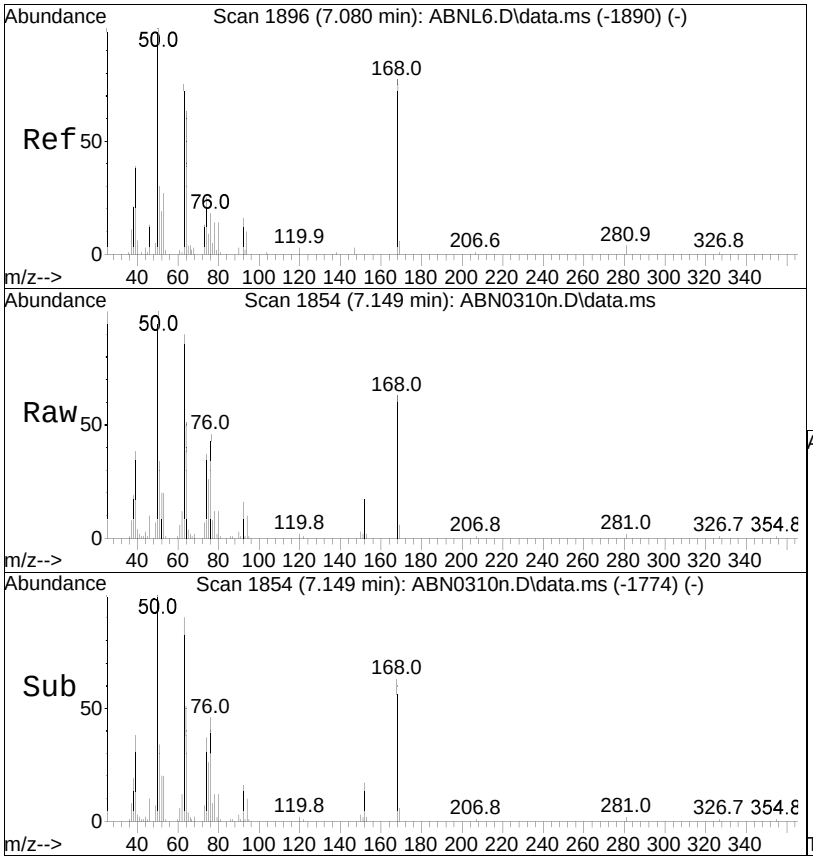


#55
2,6-Dinitrotoluene
Concen: 5.54 ug/ml
RT: 7.109 min Scan# 1841
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:165 Resp: 26227

Ion	Ratio	Lower	Upper
165	100		
89	52.6	54.2	81.2#
63	54.5	64.2	96.2#

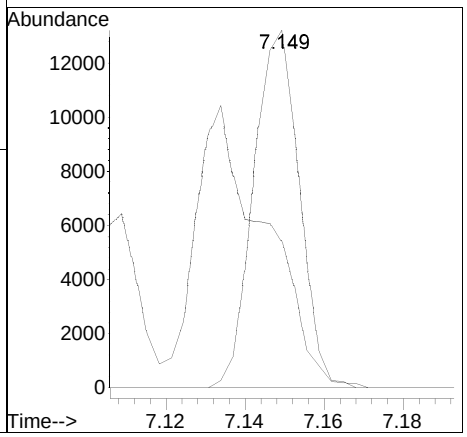


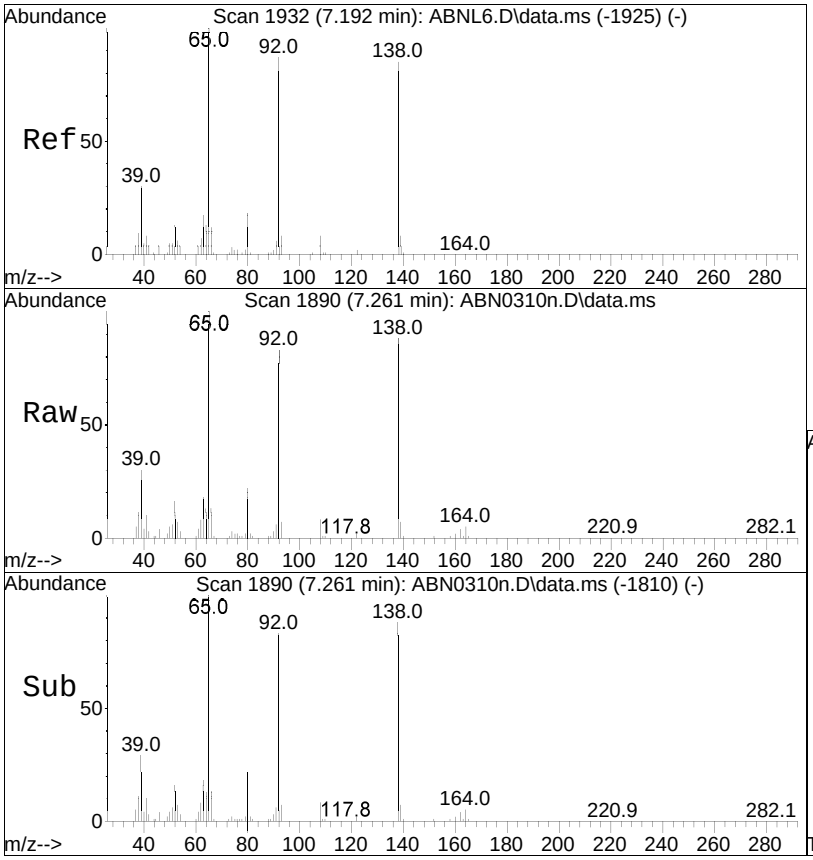


#56
1,2-Dinitrobenzene
Concen: 6.25 ug/ml
RT: 7.149 min Scan# 1854
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:168 Resp: 10595

Ion	Ratio	Lower	Upper
168	100		
75	119.5	30.9	46.3#

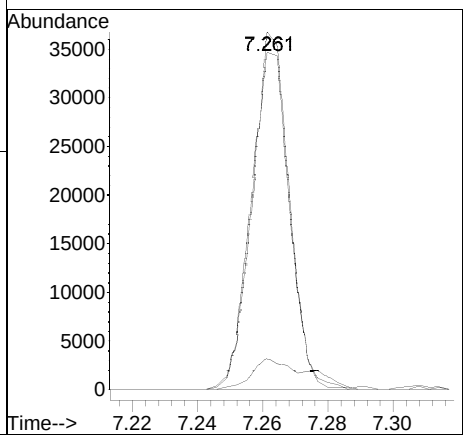


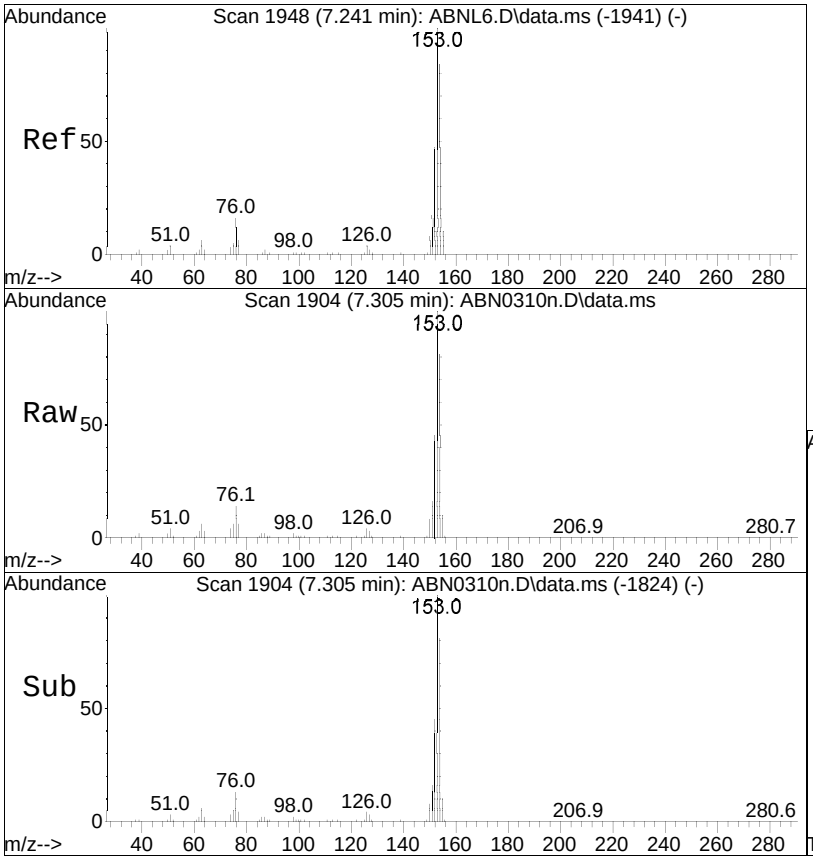


#66
3-Nitroaniline
Concen: 4.98 ug/ml
RT: 7.261 min Scan# 1890
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:138 Resp: 28569

Ion	Ratio	Lower	Upper
138	100		
92	99.7	93.4	140.2
108	13.2	9.5	14.3

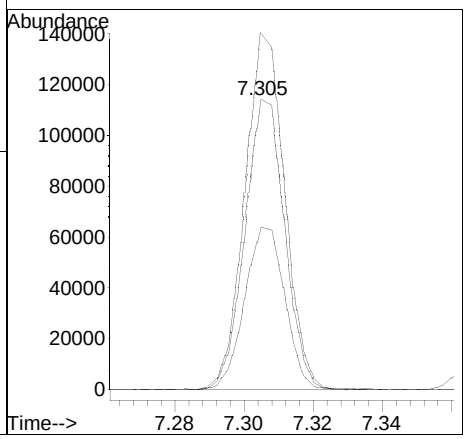


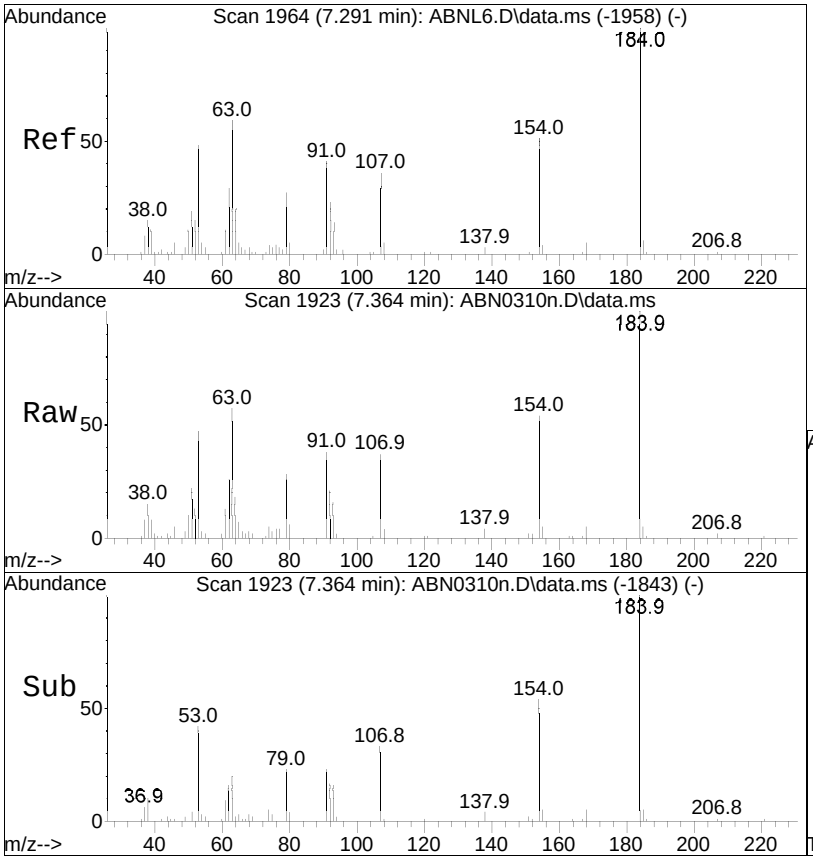


#67
Acenaphthene
Concen: 4.23 ug/ml
RT: 7.305 min Scan# 1904
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:154 Resp: 91322

Ion	Ratio	Lower	Upper
154	100		
153	122.9	85.3	127.9
152	57.1	41.4	62.0

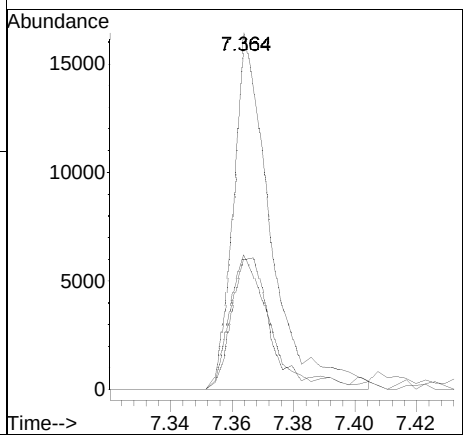


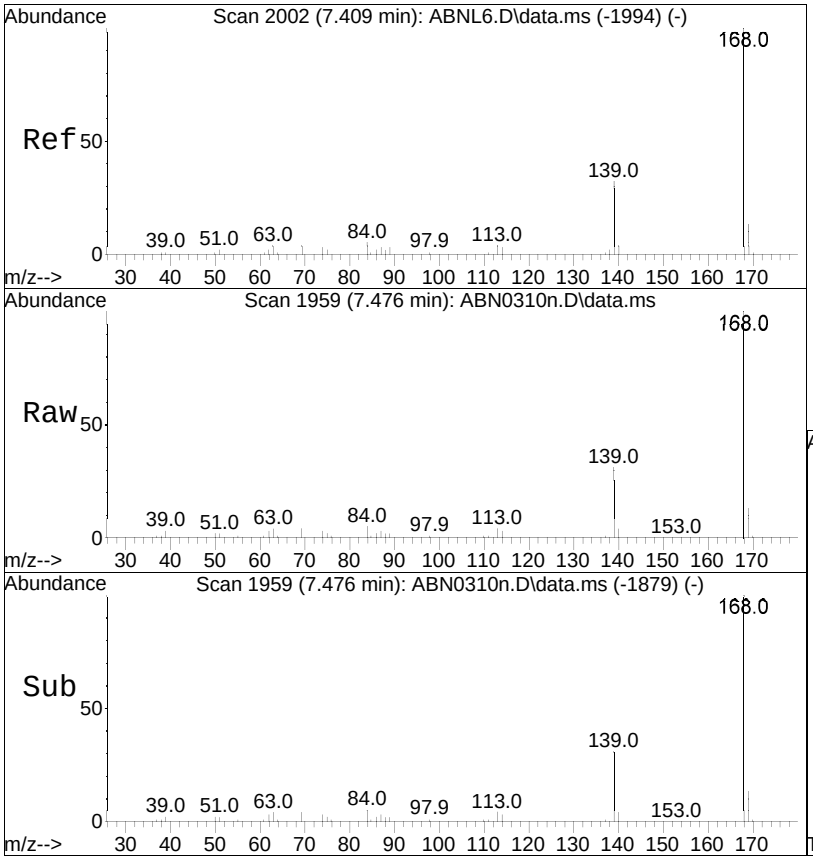


#68
2,4-Dinitrophenol
Concen: 4.01 ug/ml
RT: 7.364 min Scan# 1923
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:184 Resp: 13736

Ion	Ratio	Lower	Upper
184	100		
107	37.9	37.7	56.5
91	41.0	46.3	69.5#

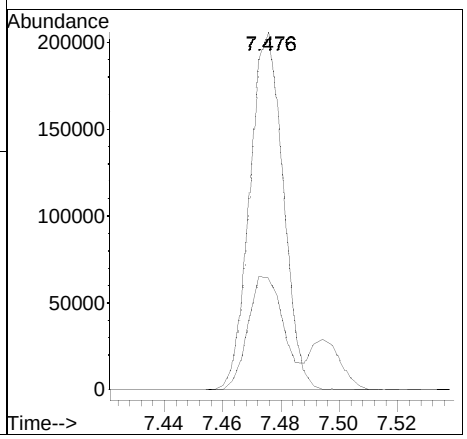


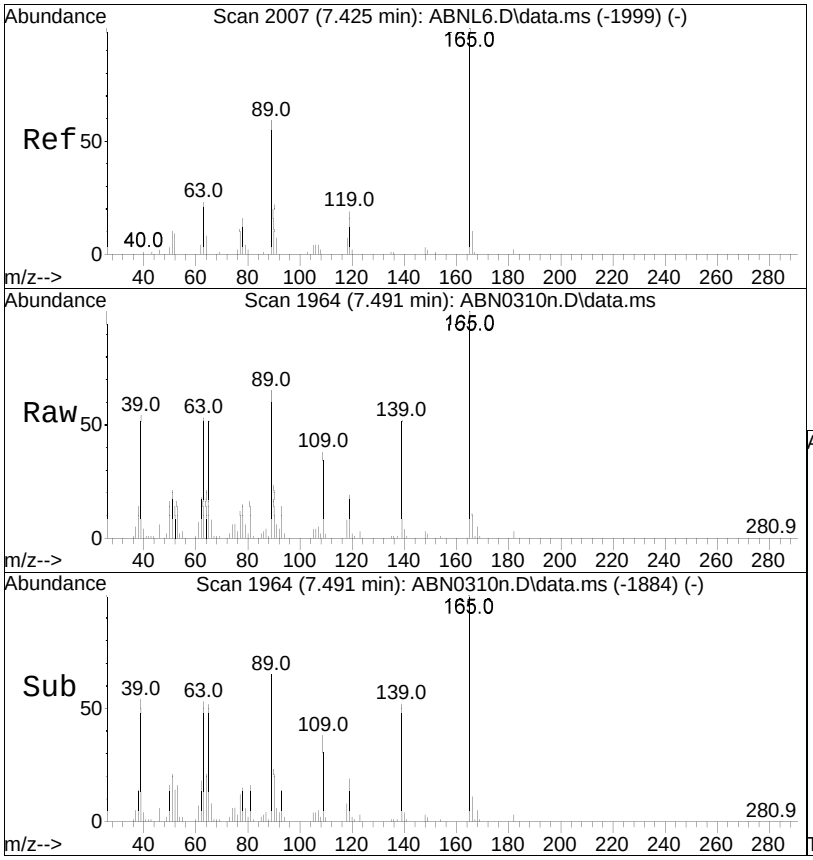


#69
Dibenzofuran
Concen: 4.37 ug/ml
RT: 7.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:168 Resp: 162833

Ion	Ratio	Lower	Upper
168	100		
139	35.3	31.4	47.2

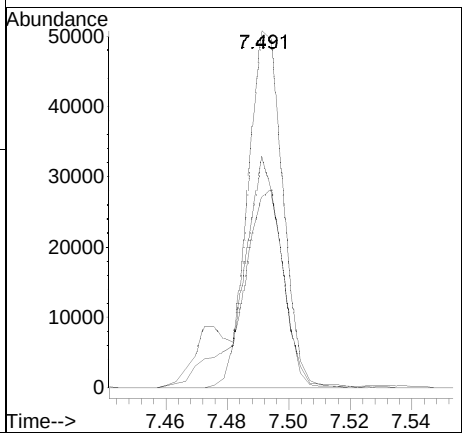


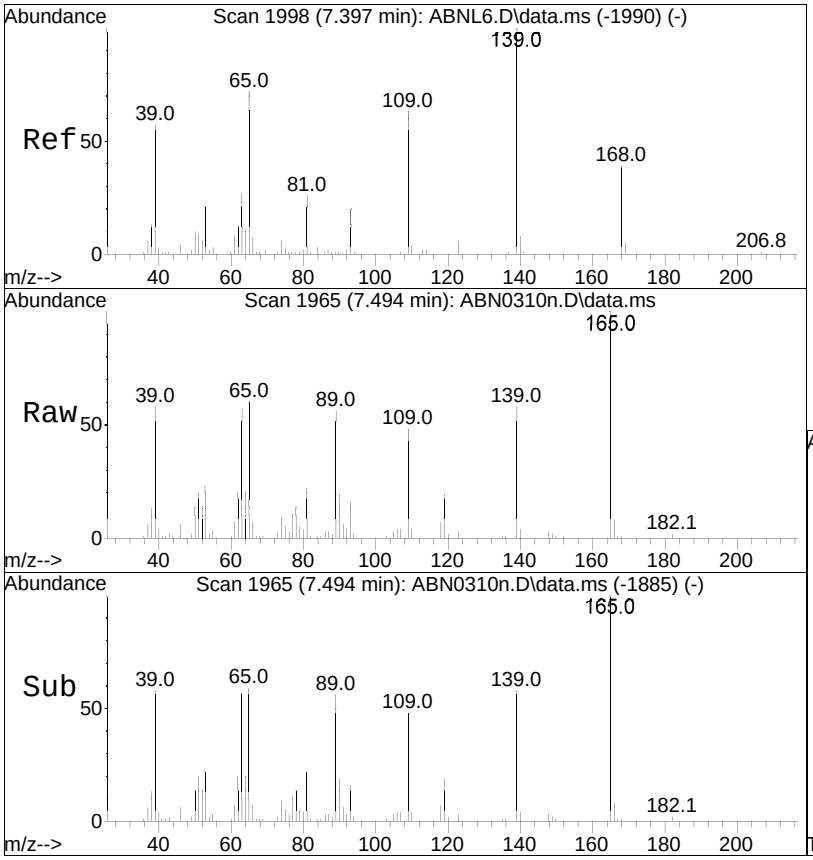


#70
2,4-Dinitrotoluene
Concen: 5.57 ug/ml
RT: 7.491 min Scan# 1964
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:165 Resp: 40020

Ion	Ratio	Lower	Upper
165	100		
89	72.4	72.0	108.0
63	56.0	52.7	79.1

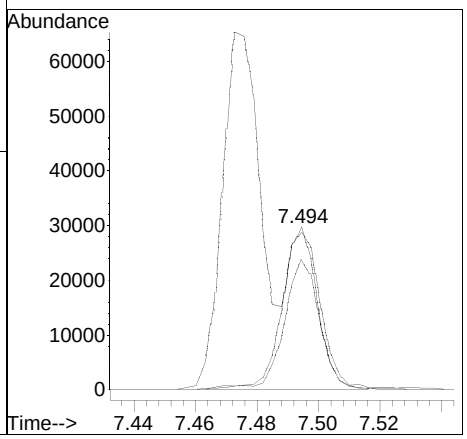


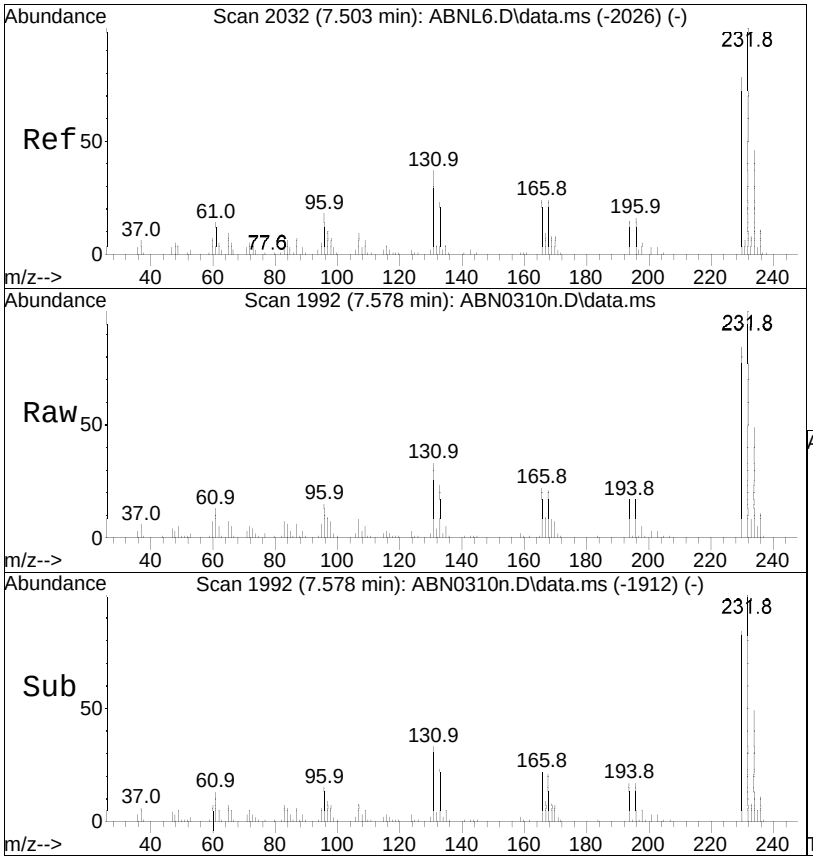


#71
4-Nitrophenol
Concen: 5.51 ug/ml
RT: 7.494 min Scan# 1965
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 65 Resp: 23580

Ion	Ratio	Lower	Upper
65	100		
109	80.4	47.4	71.2#
139	84.6	76.6	115.0

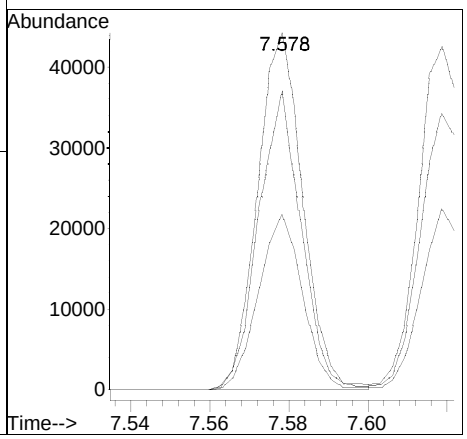


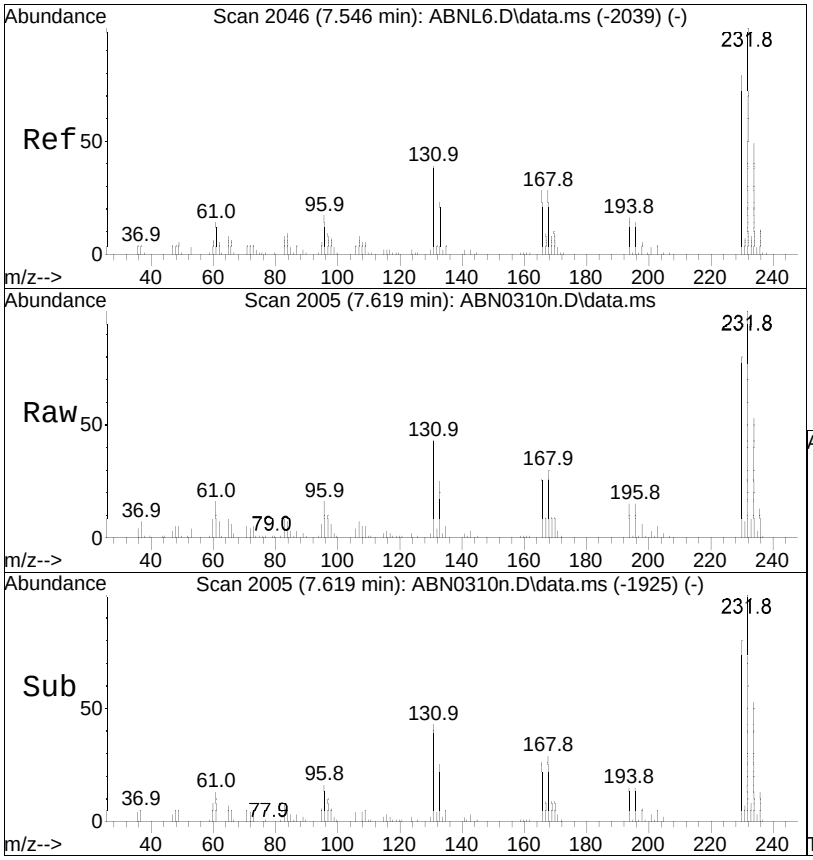


#72
2,3,5,6-Tetrachlorophenol
Concen: 4.35 ug/ml
RT: 7.578 min Scan# 1992
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:232 Resp: 35279

Ion	Ratio	Lower	Upper
232	100		
230	78.9	64.2	96.4
234	47.8	38.1	57.1

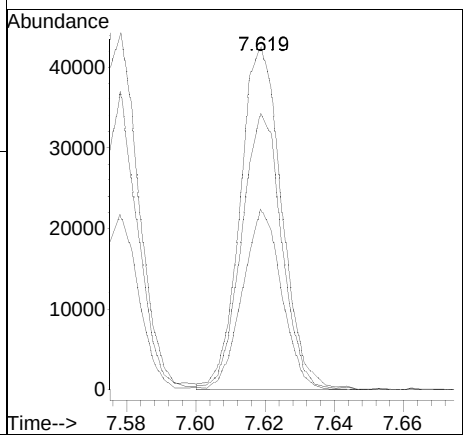


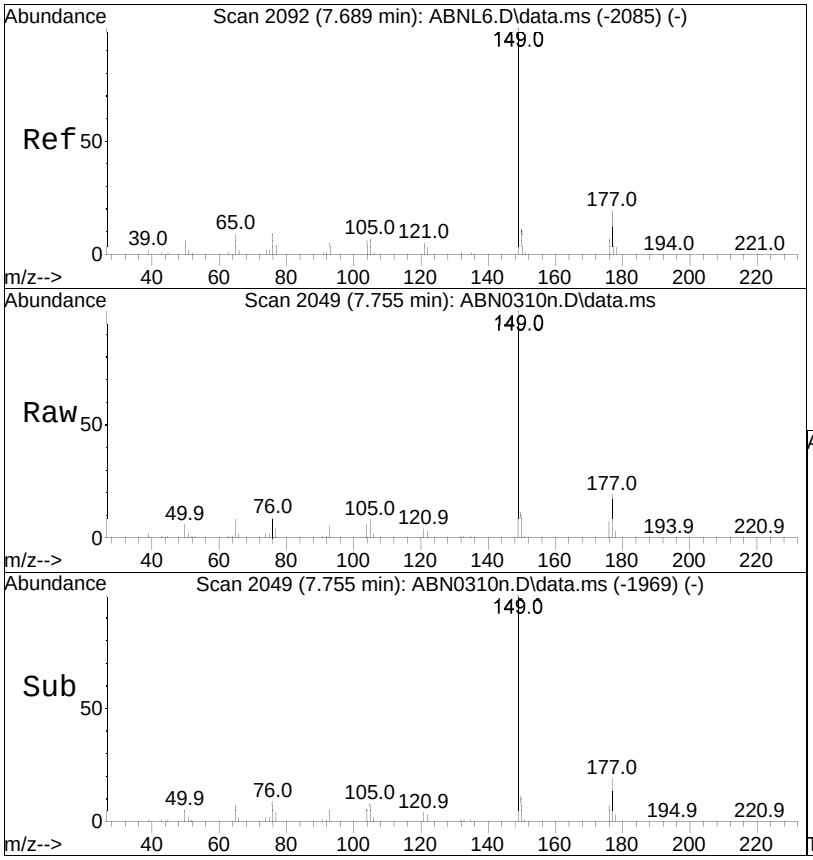


#73
2,3,4,6-Tetrachlorophenol
Concen: 4.45 ug/ml
RT: 7.619 min Scan# 2005
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:232 Resp: 35364

Ion	Ratio	Lower	Upper
232	100		
230	79.2	61.8	92.8
234	50.3	36.2	54.2

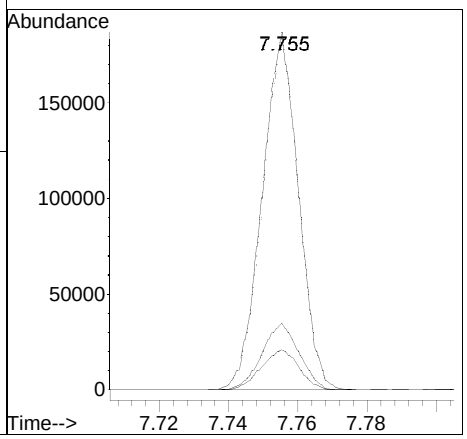


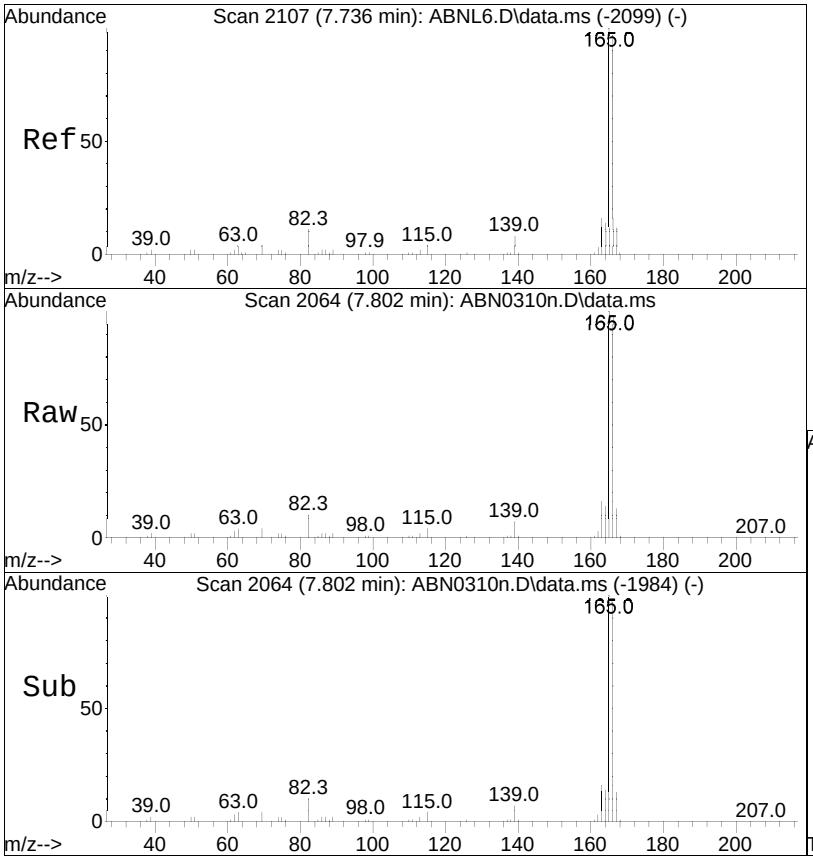


#74
Diethyl phthalate
Concen: 4.59 ug/ml
RT: 7.755 min Scan# 2049
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:149 Resp: 134248

Ion	Ratio	Lower	Upper
149	100		
177	19.3	16.1	24.1
150	11.8	9.4	14.2

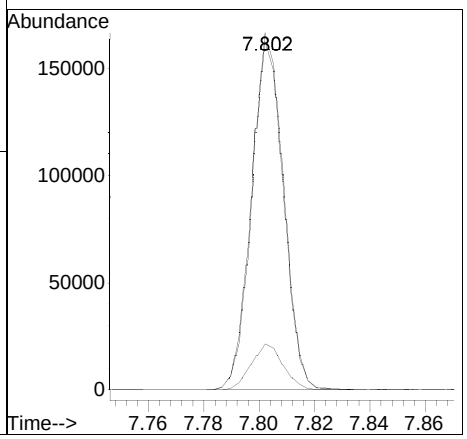


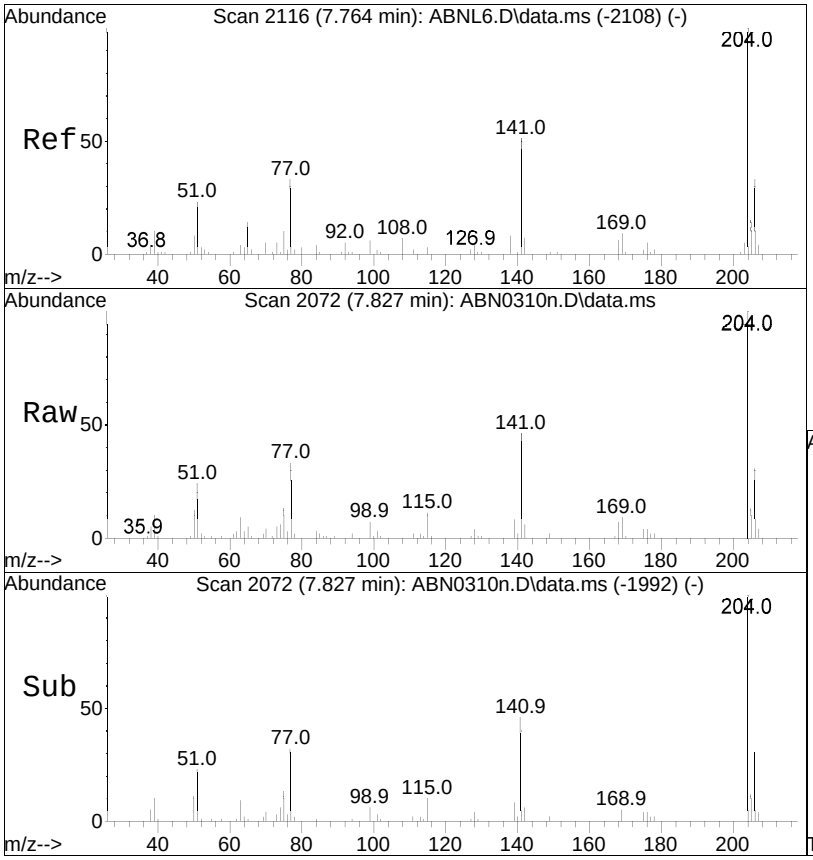


#75
Fluorene
Concen: 4.51 ug/ml
RT: 7.802 min Scan# 2064
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:166 Resp: 128772

Ion	Ratio	Lower	Upper
166	100		
165	104.1	76.2	114.2
167	13.4	10.6	15.8

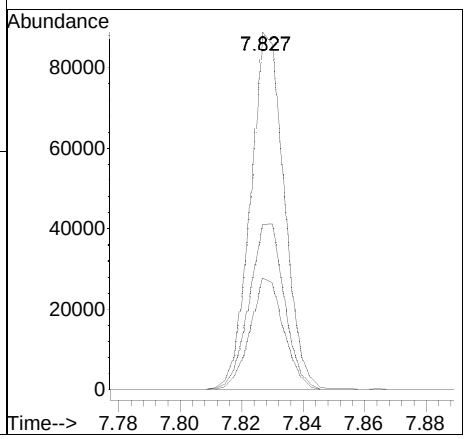


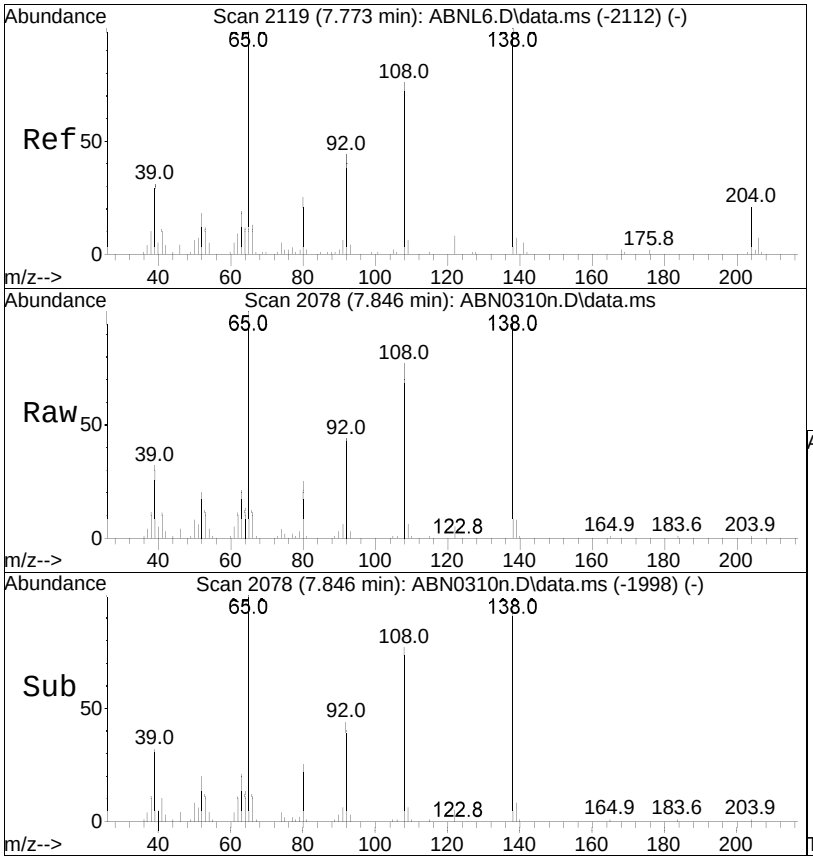


#76
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 7.827 min Scan# 2072
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:204 Resp: 66961

Ion	Ratio	Lower	Upper
204	100		
206	31.3	25.8	38.6
141	48.2	53.6	80.4#

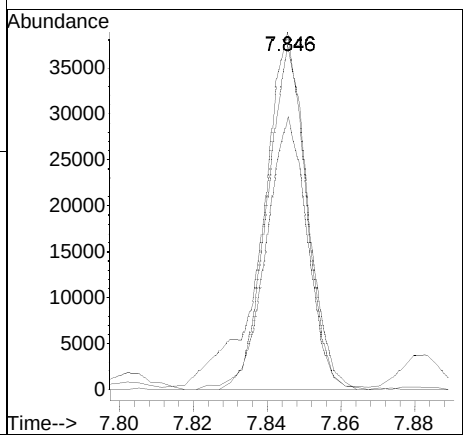


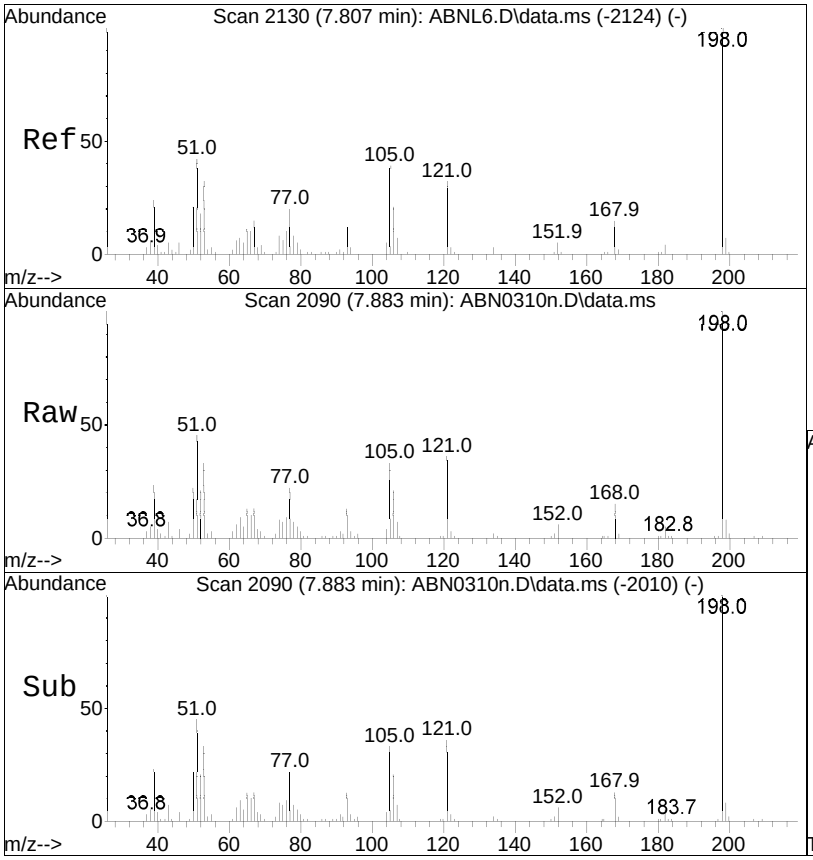


#77
4-Nitroaniline
Concen: 5.16 ug/ml
RT: 7.846 min Scan# 2078
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:138 Resp: 28602

Ion	Ratio	Lower	Upper
138	100		
108	79.5	52.1	78.1#
65	113.3	115.0	172.6#

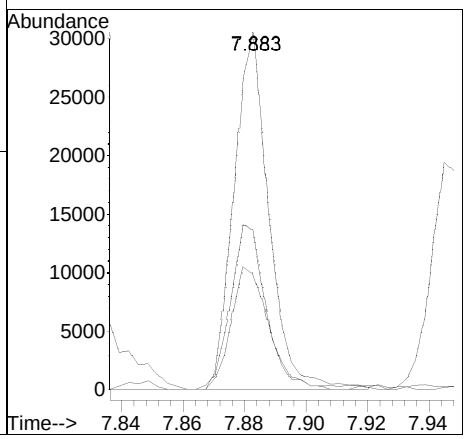


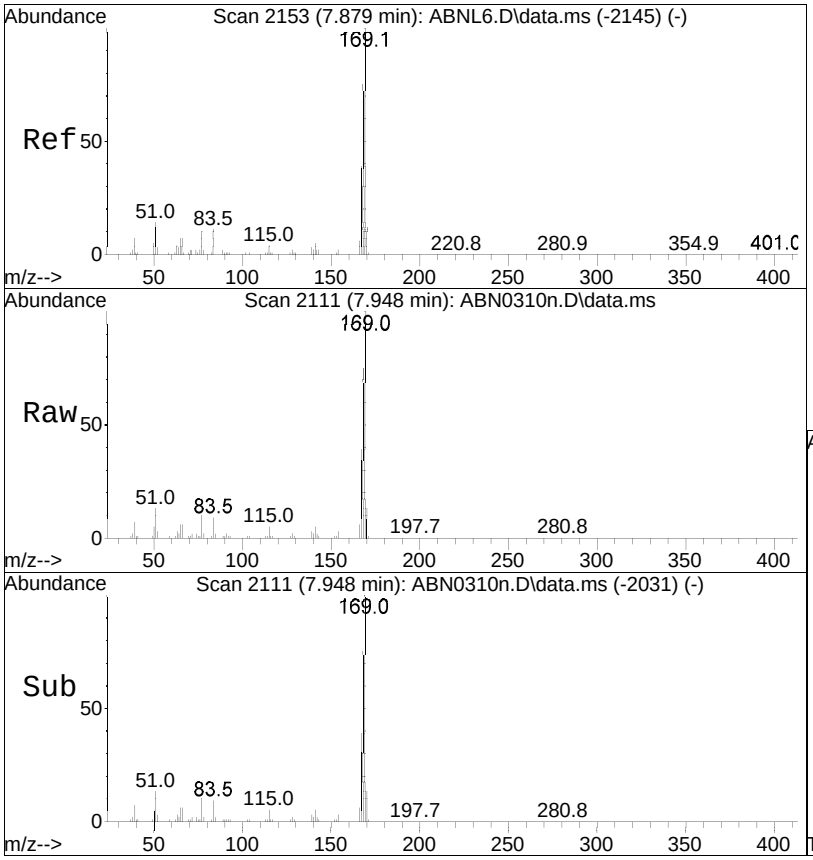


#78
4,6-Dinitro-o-cresol
Concen: 5.57 ug/ml
RT: 7.883 min Scan# 2090
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:198 Resp: 24190

Ion	Ratio	Lower	Upper
198	100		
51	46.9	76.0	114.0#
105	36.7	45.6	68.4#

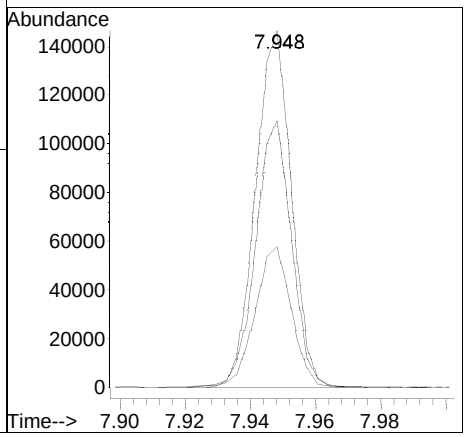


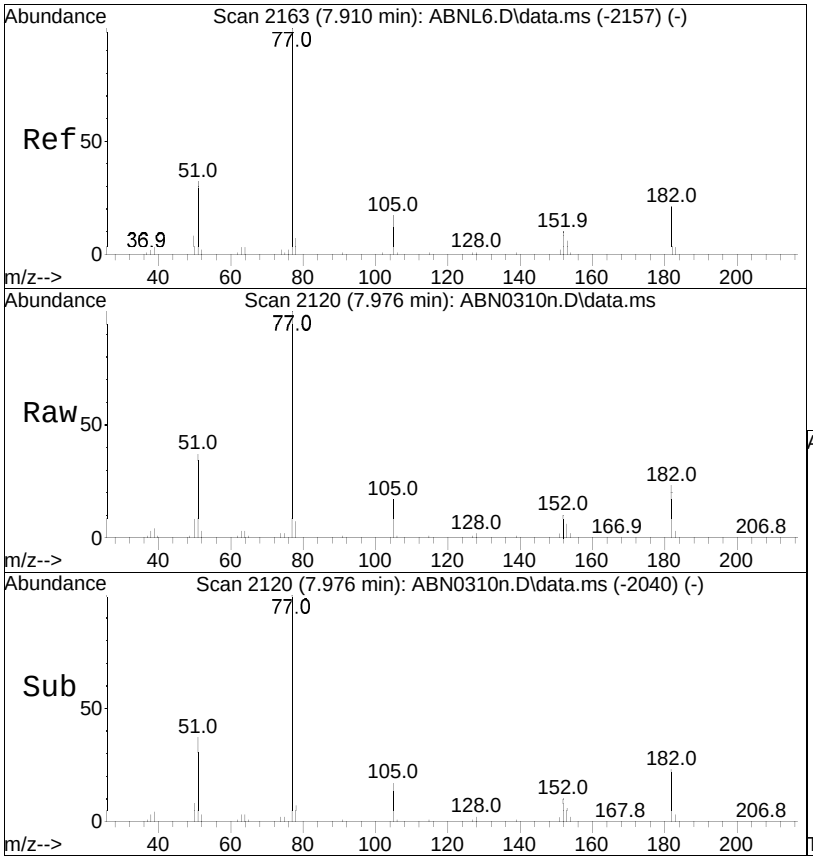


#79
NDPA/DPA
Concen: 4.50 ug/ml
RT: 7.948 min Scan# 2111
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:169 Resp: 111729

Ion	Ratio	Lower	Upper
169	100		
168	75.2	54.0	81.0
167	40.4	28.6	42.8

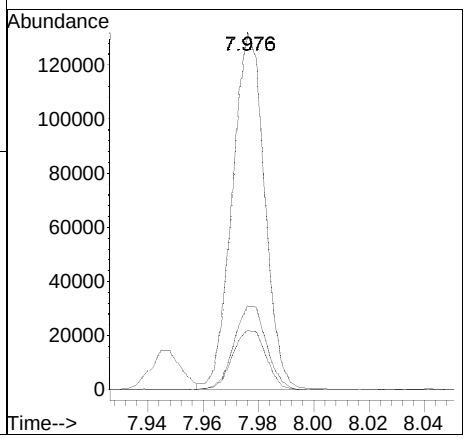


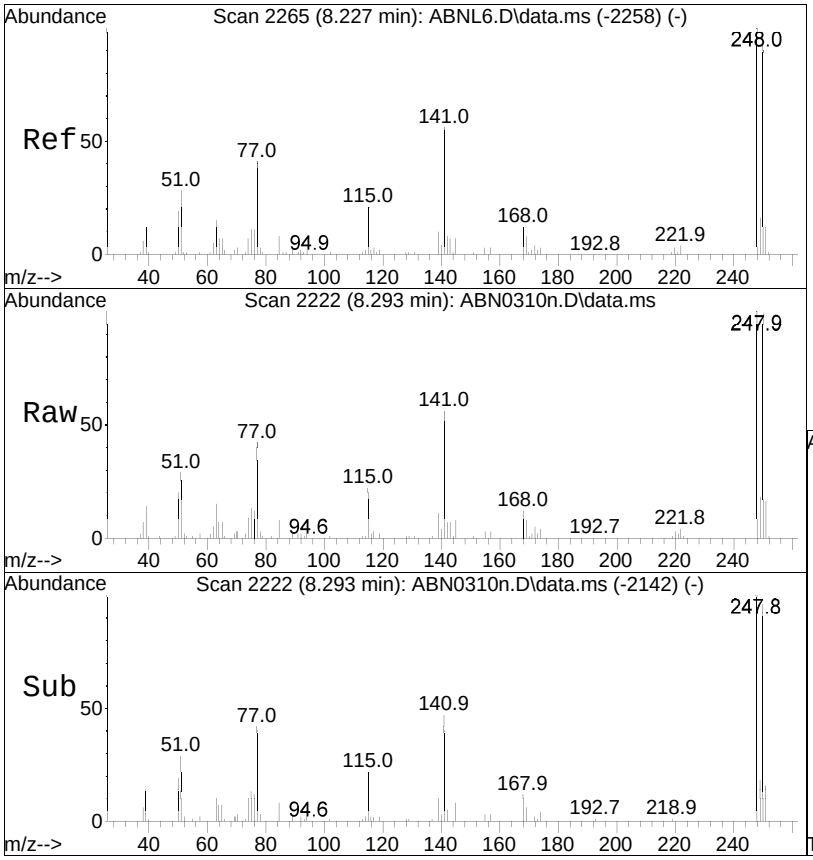


#80
Azobenzene
Concen: 4.46 ug/ml
RT: 7.976 min Scan# 2120
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion: 77 Resp: 105990

Ion	Ratio	Lower	Upper
77	100		
182	23.8	17.4	26.2
105	17.7	15.4	23.2

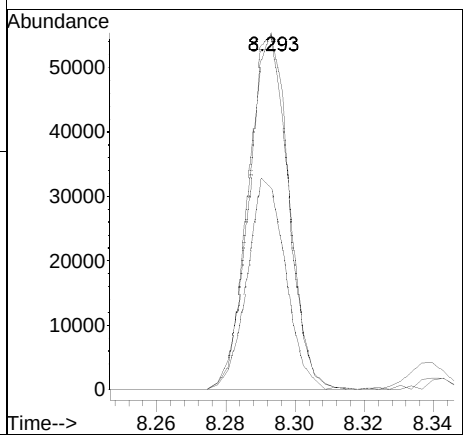


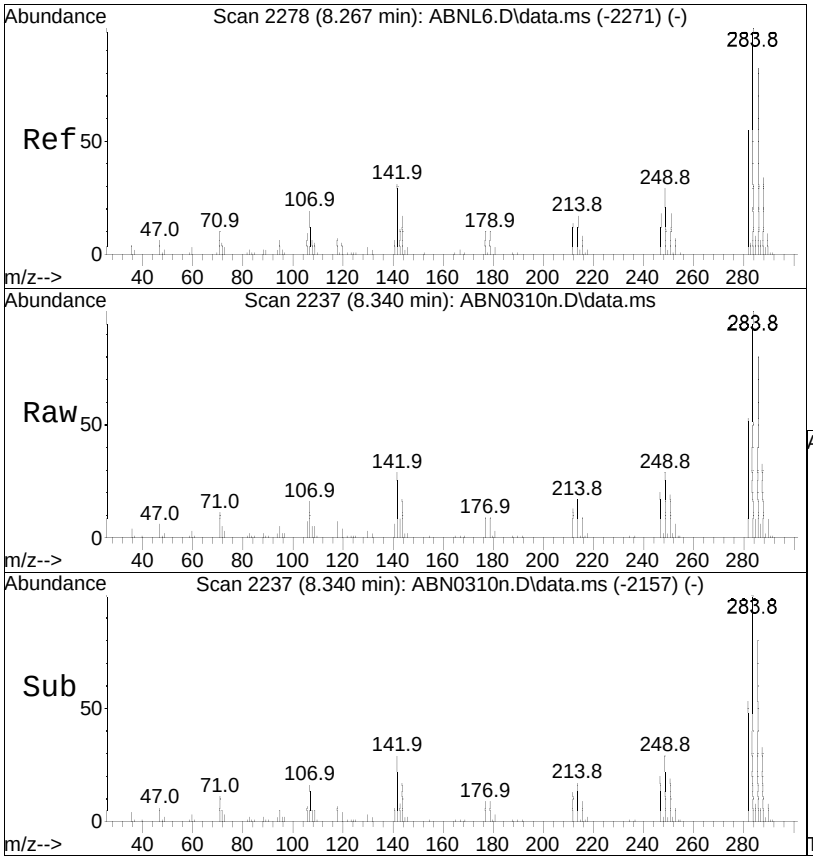


#82
4-Bromophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 8.293 min Scan# 2222
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:248 Resp: 44277

Ion	Ratio	Lower	Upper
248	100		
141	57.0	76.6	114.8#
250	98.6	77.3	115.9

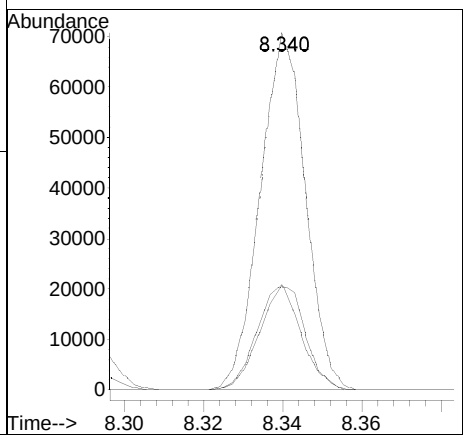


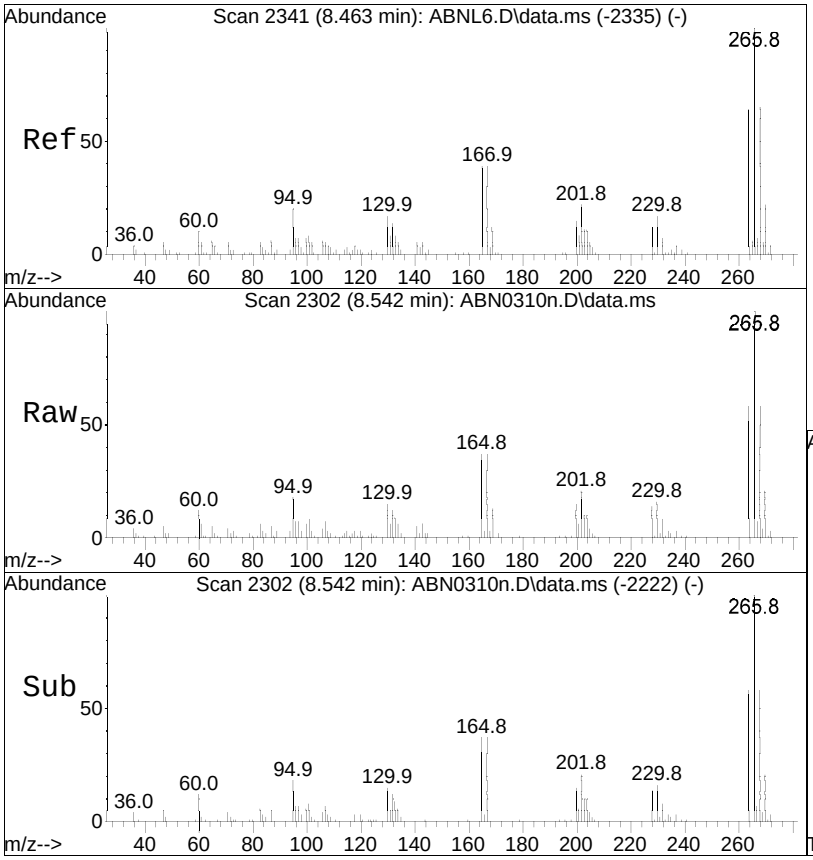


#83
Hexachlorobenzene
Concen: 4.58 ug/ml
RT: 8.340 min Scan# 2237
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:284 Resp: 55854

Ion	Ratio	Lower	Upper
284	100		
142	28.9	41.9	62.9#
249	29.6	24.1	36.1

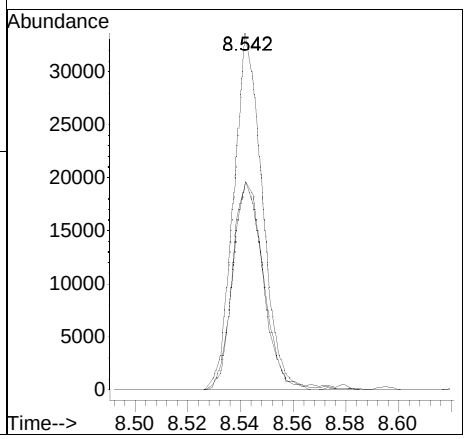


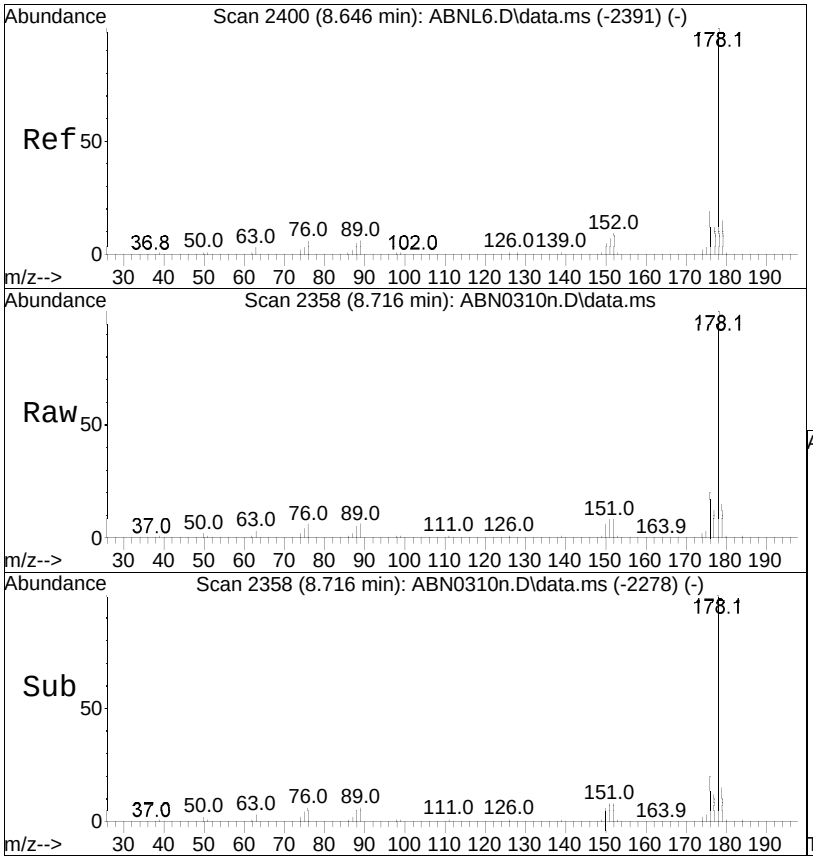


#84
Pentachlorophenol
Concen: 3.89 ug/ml
RT: 8.542 min Scan# 2302
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:266 Resp: 25686

Ion	Ratio	Lower	Upper
266	100		
264	60.7	49.7	74.5
268	62.7	50.5	75.7

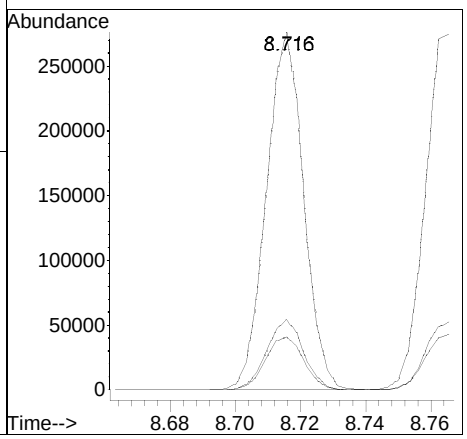


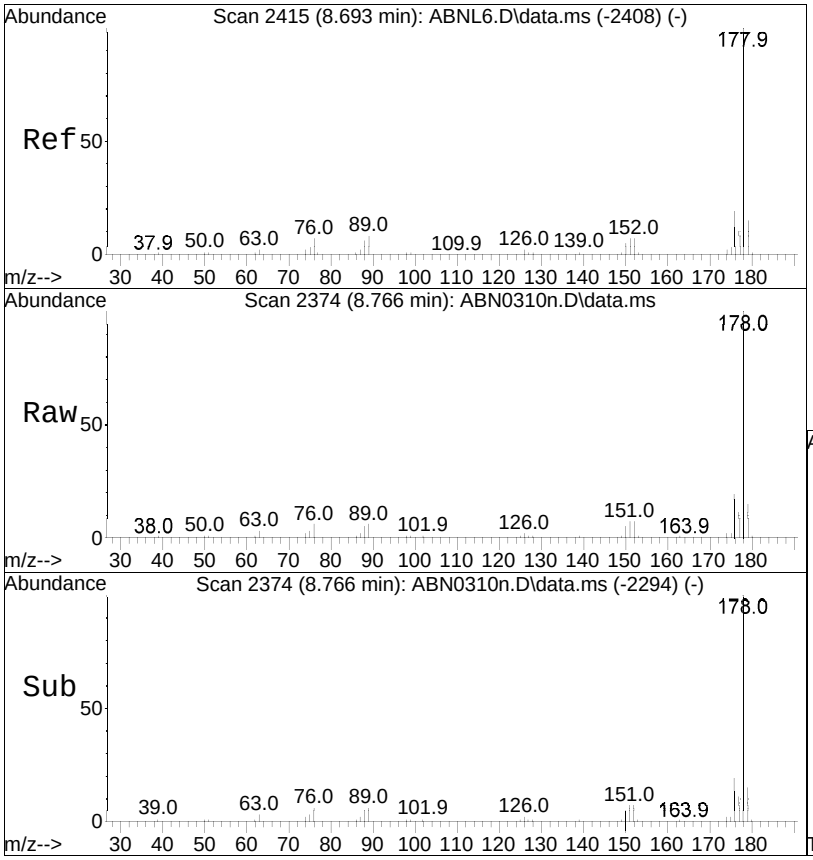


#91
Phenanthrene
Concen: 4.36 ug/ml
RT: 8.716 min Scan# 2358
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:178 Resp: 219179

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2
176	19.4	15.4	23.2

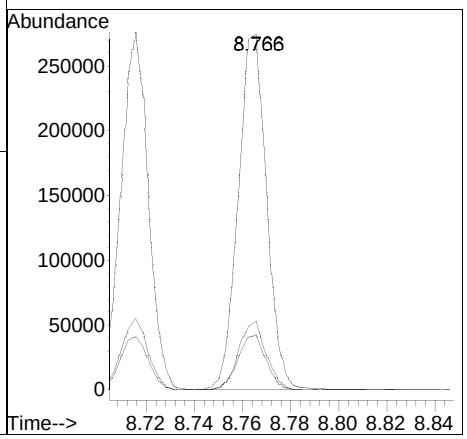


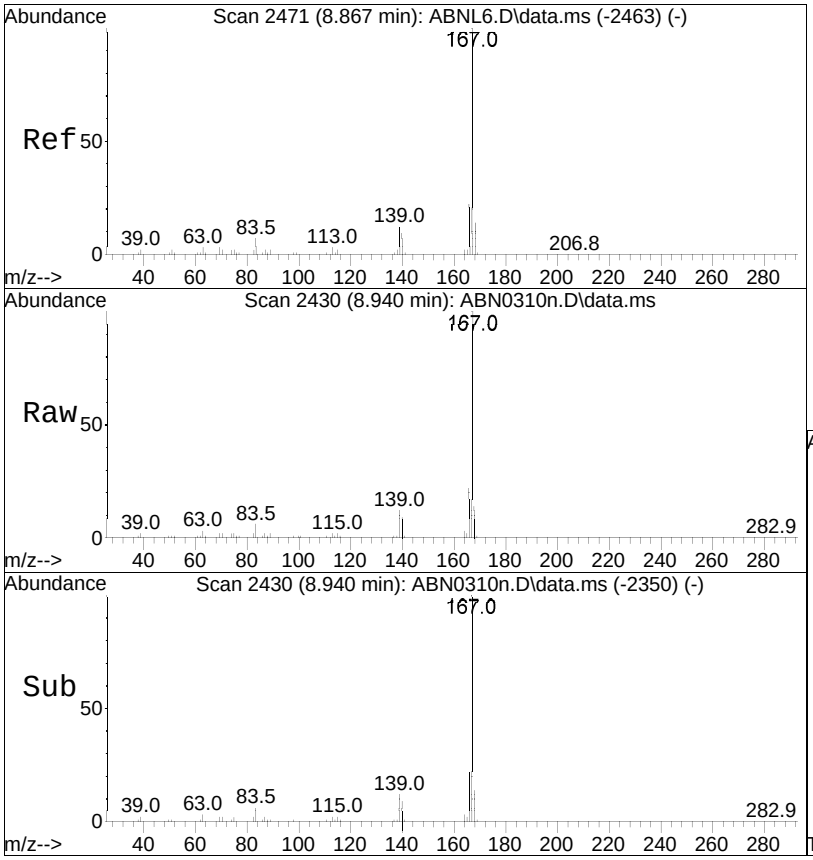


#92
Anthracene
Concen: 4.56 ug/ml
RT: 8.766 min Scan# 2374
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:178 Resp: 224801

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.0	18.0
176	18.8	14.6	22.0

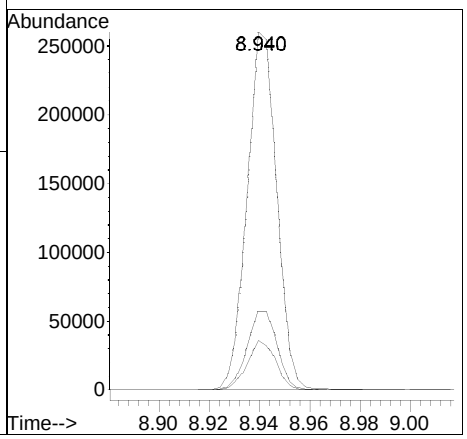


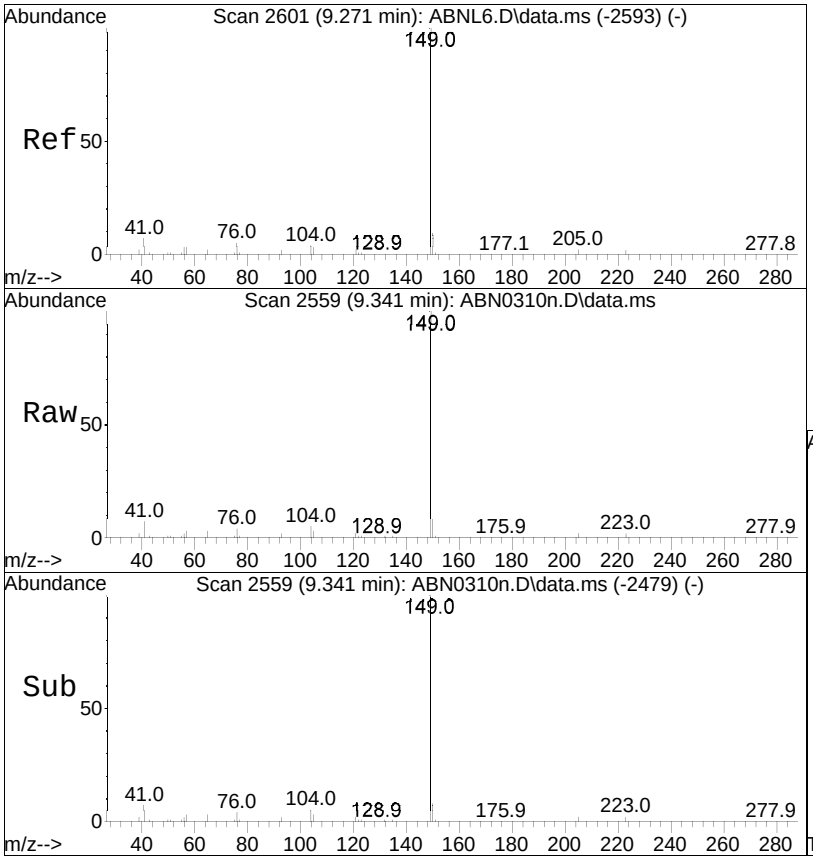


#93
Carbazole
Concen: 4.67 ug/ml
RT: 8.940 min Scan# 2430
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:167 Resp: 211187

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	22.6	17.4	26.0

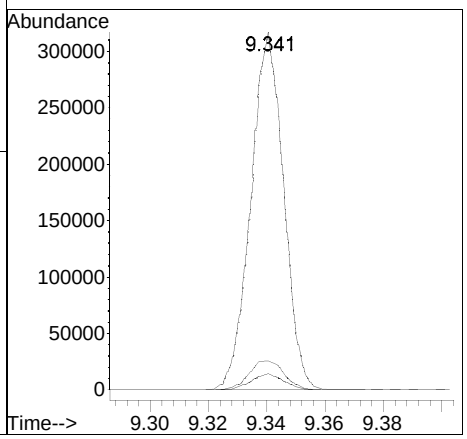


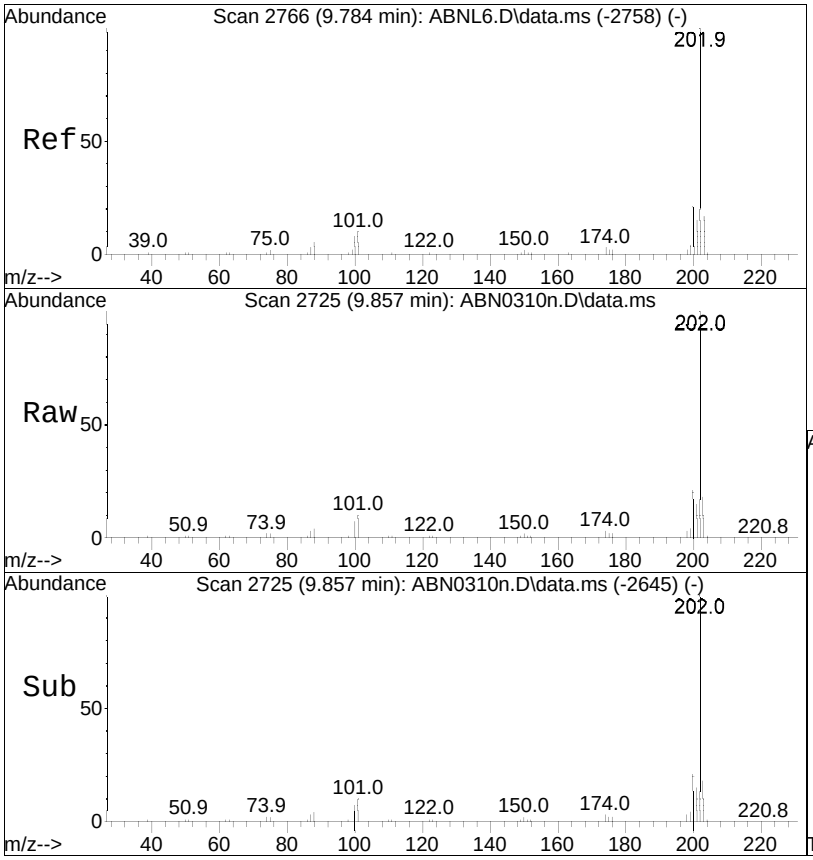


#94
Di-n-butylphthalate
Concen: 4.76 ug/ml
RT: 9.341 min Scan# 2559
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:149 Resp: 243968

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.5	4.5	6.7

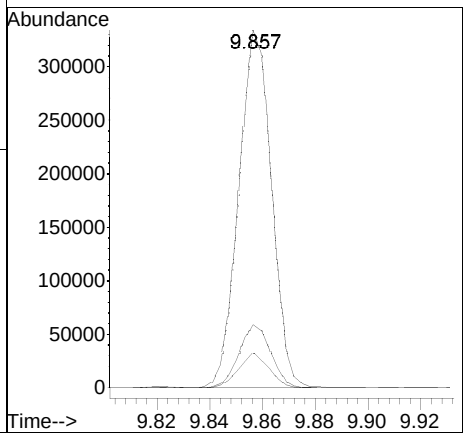


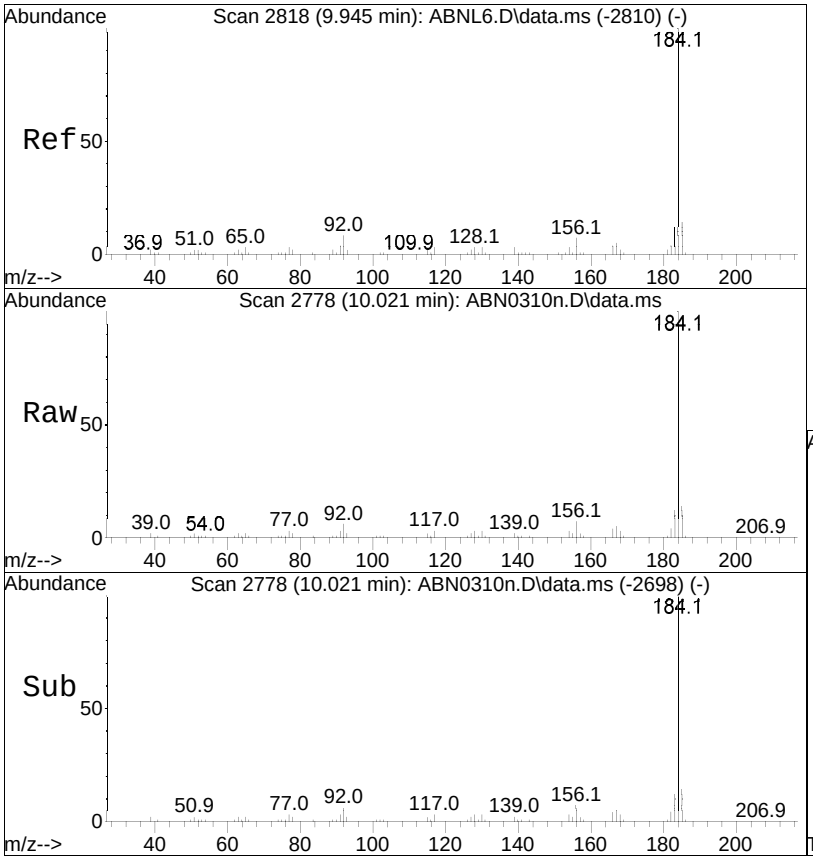


#95
Fluoranthene
Concen: 4.75 ug/ml
RT: 9.857 min Scan# 2725
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:202 Resp: 286900

Ion	Ratio	Lower	Upper
202	100		
101	9.1	13.5	20.3#
203	17.1	13.6	20.4

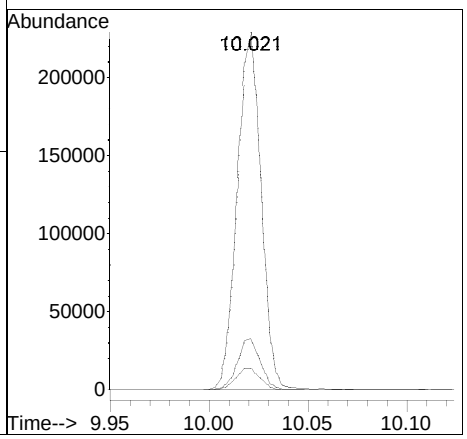


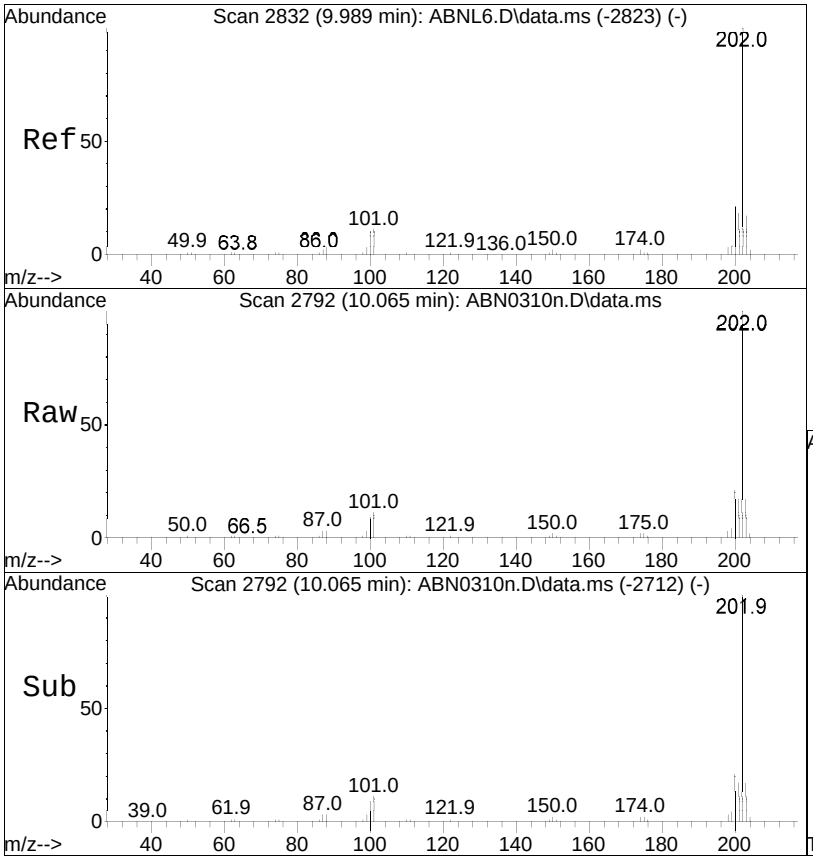


#96
Benzidine
Concen: 5.81 ug/ml
RT: 10.021 min Scan# 2778
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:184 Resp: 190331

Ion	Ratio	Lower	Upper
184	100		
92	6.2	9.1	13.7#
185	13.9	11.1	16.7

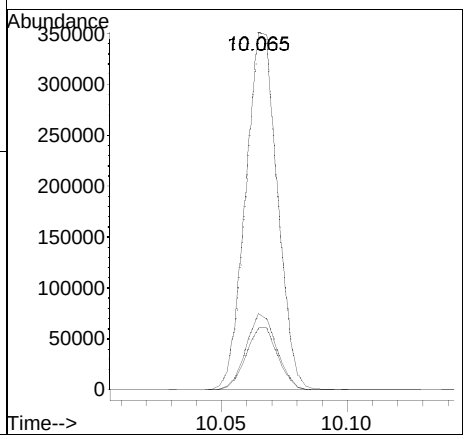


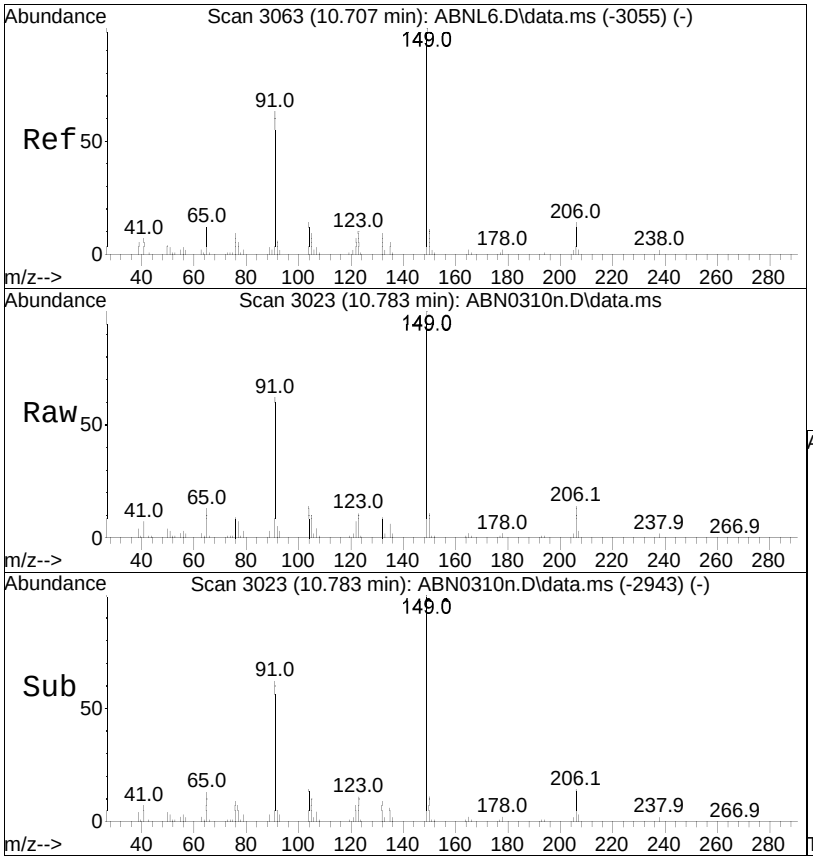


#97
Pyrene
Concen: 4.74 ug/ml
RT: 10.065 min Scan# 2792
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:202 Resp: 305845

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.6	14.2	21.4

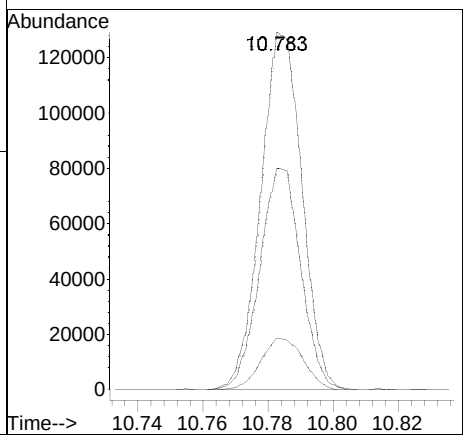


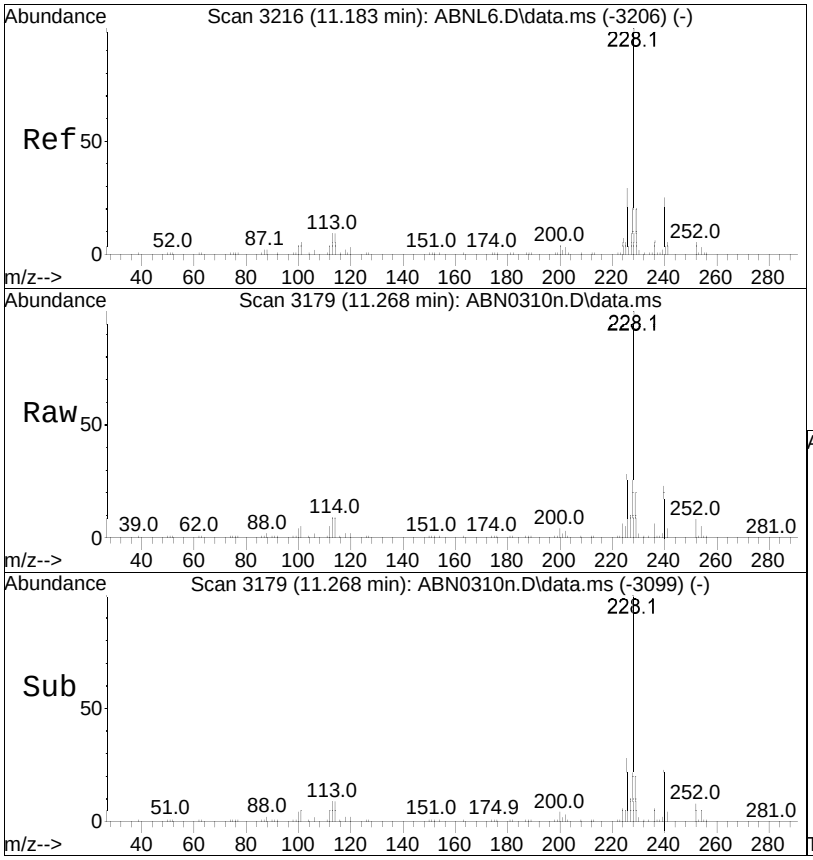


#99
Butyl benzyl phthalate
Concen: 5.13 ug/ml
RT: 10.783 min Scan# 3023
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:149 Resp: 112707

Ion	Ratio	Lower	Upper
149	100		
91	61.7	63.3	94.9#
206	14.8	13.9	20.9

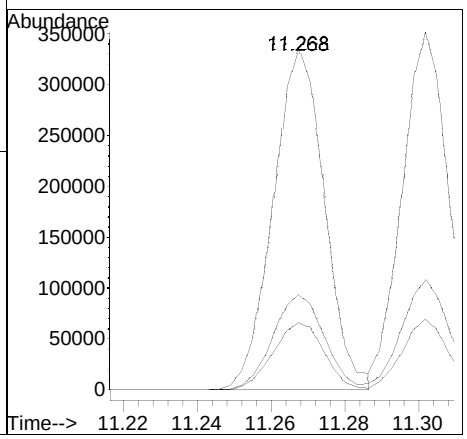


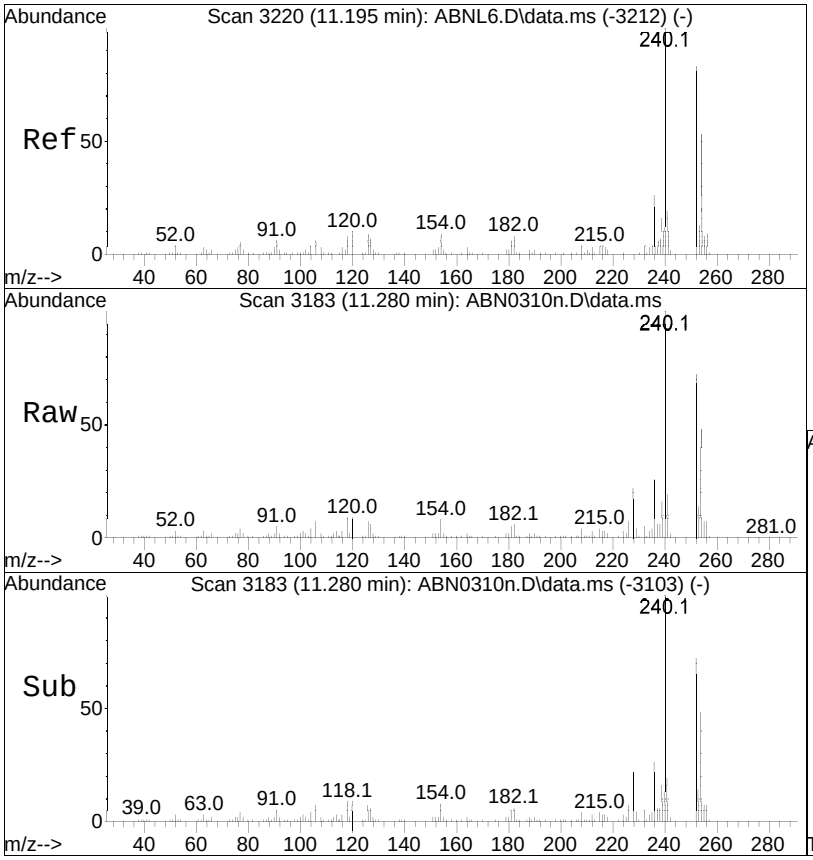


#107
Benzo(a)anthracene
Concen: 4.48 ug/ml
RT: 11.268 min Scan# 3179
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:228 Resp: 323521

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	19.8	15.6	23.4

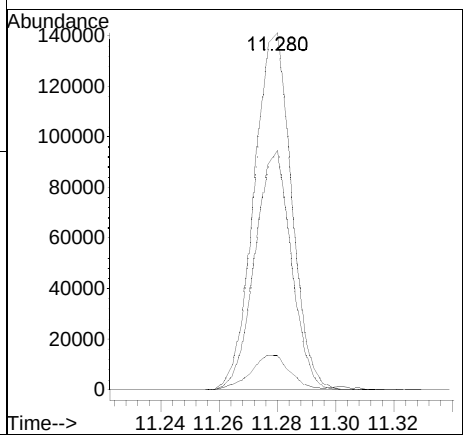


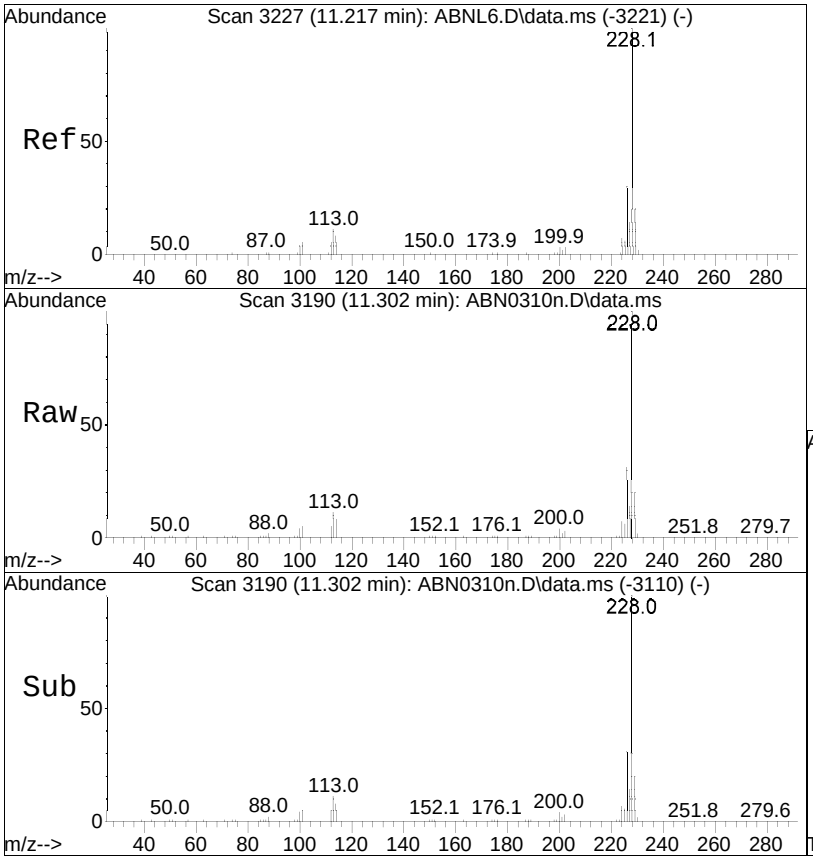


#108
3,3'-Dichlorobenzidine
Concen: 4.68 ug/ml
RT: 11.280 min Scan# 3183
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:252 Resp: 125923

Ion	Ratio	Lower	Upper
252	100		
126	10.4	14.5	21.7#
254	65.4	51.2	76.8

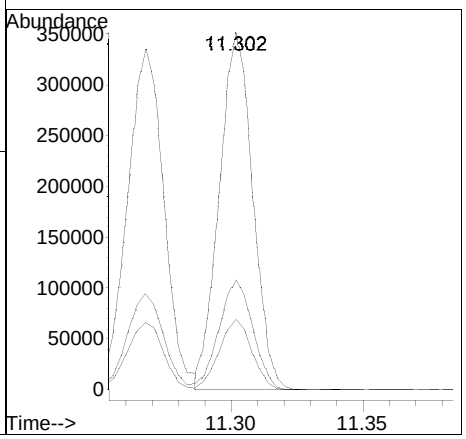


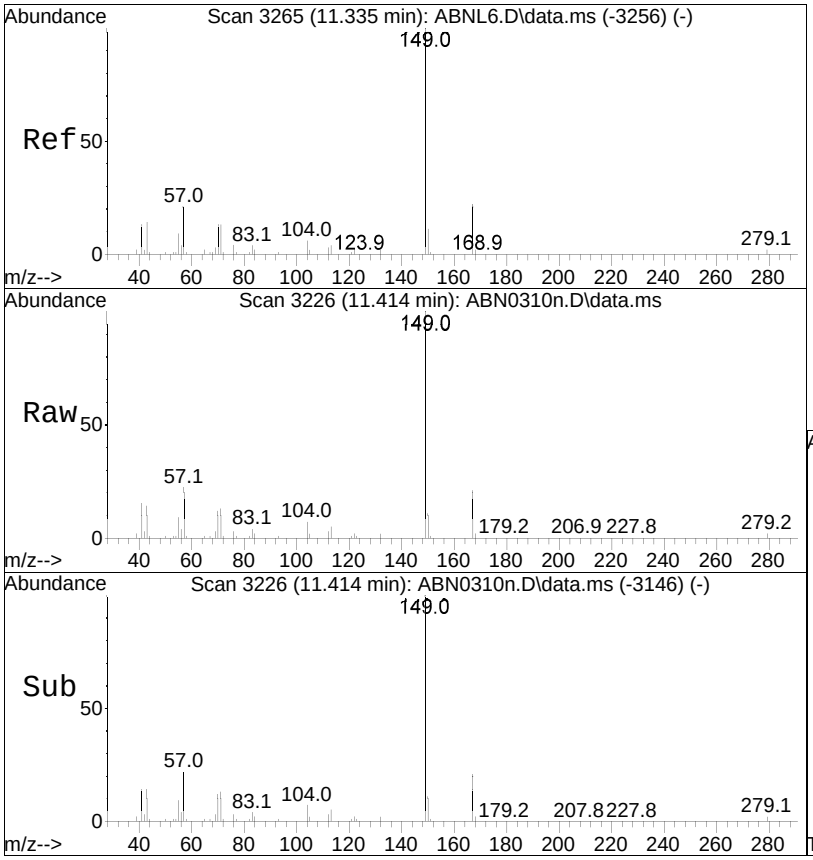


#109
Chrysene
Concen: 4.32 ug/ml
RT: 11.302 min Scan# 3190
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:228 Resp: 310835

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	19.2	15.8	23.8

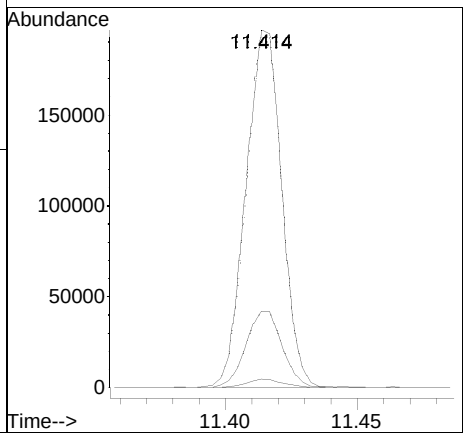


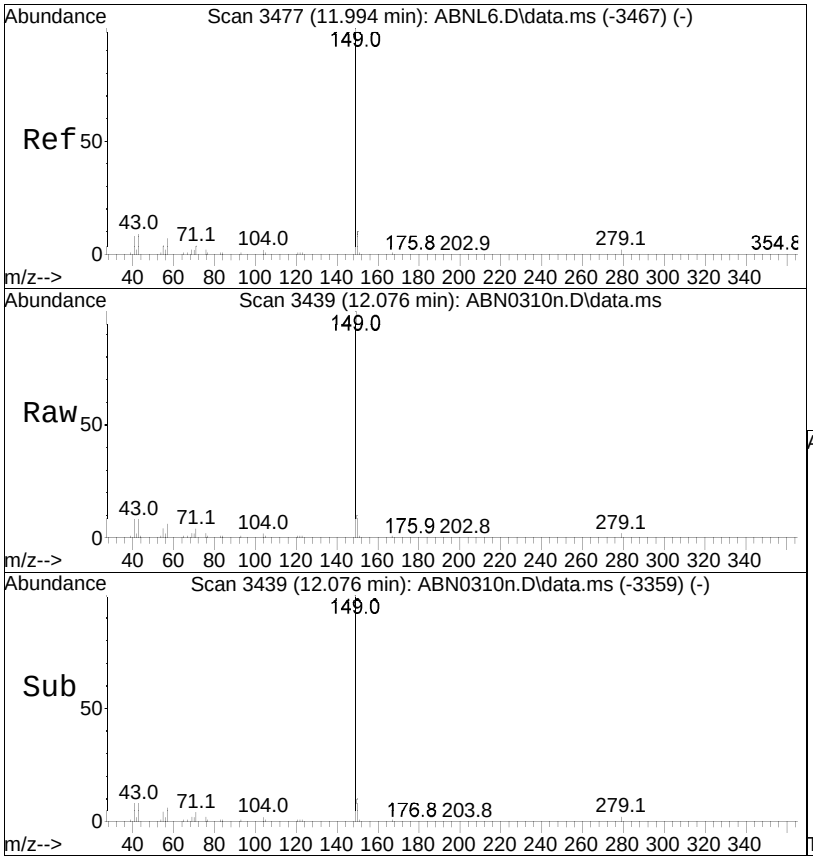


#110
Bis(2-ethylhexyl)phthalate
Concen: 4.75 ug/ml
RT: 11.414 min Scan# 3226
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:149 Resp: 183673

Ion	Ratio	Lower	Upper
149	100		
167	21.8	22.1	33.1#
279	2.2	3.0	4.4#

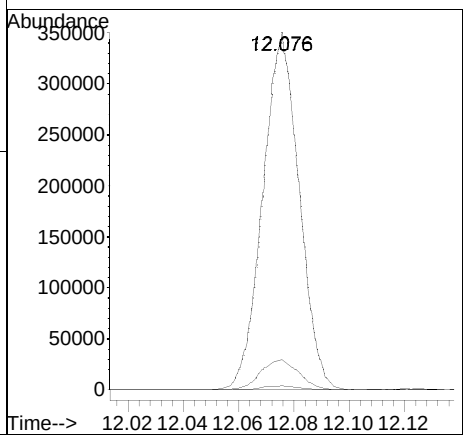


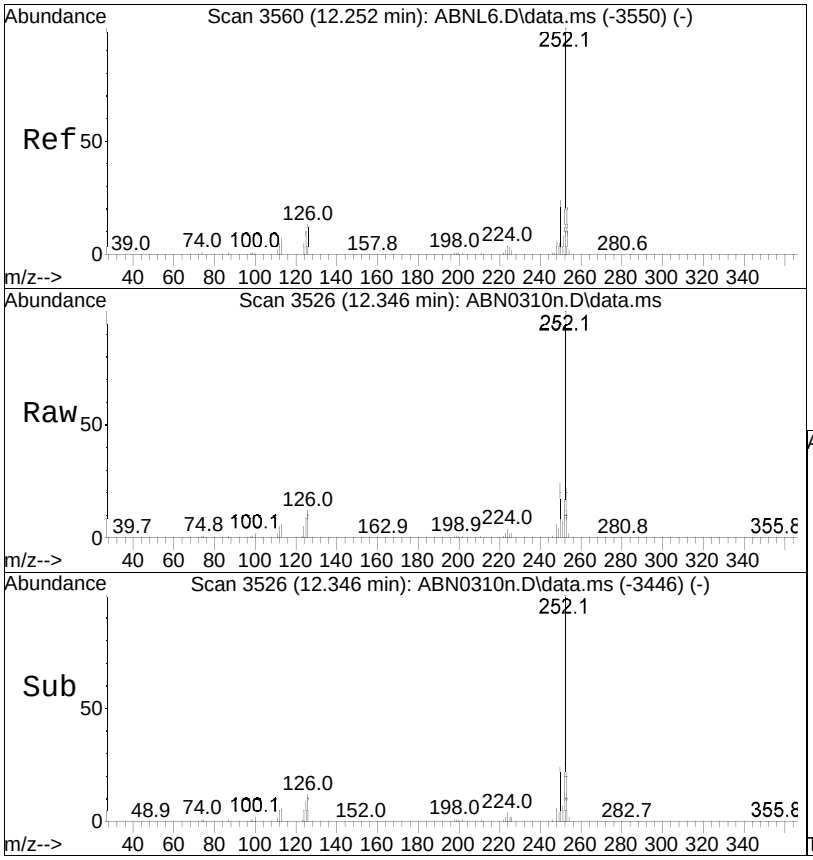


#111
Di-n-octylphthalate
Concen: 4.88 ug/ml
RT: 12.076 min Scan# 3439
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:149 Resp: 315255

Ion	Ratio	Lower	Upper
149	100		
43	8.9	18.8	28.2#
167	1.2	1.3	1.9#

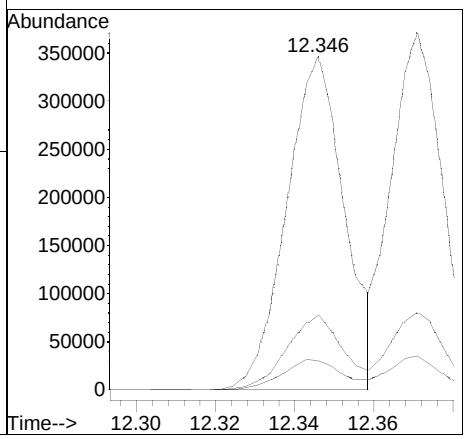


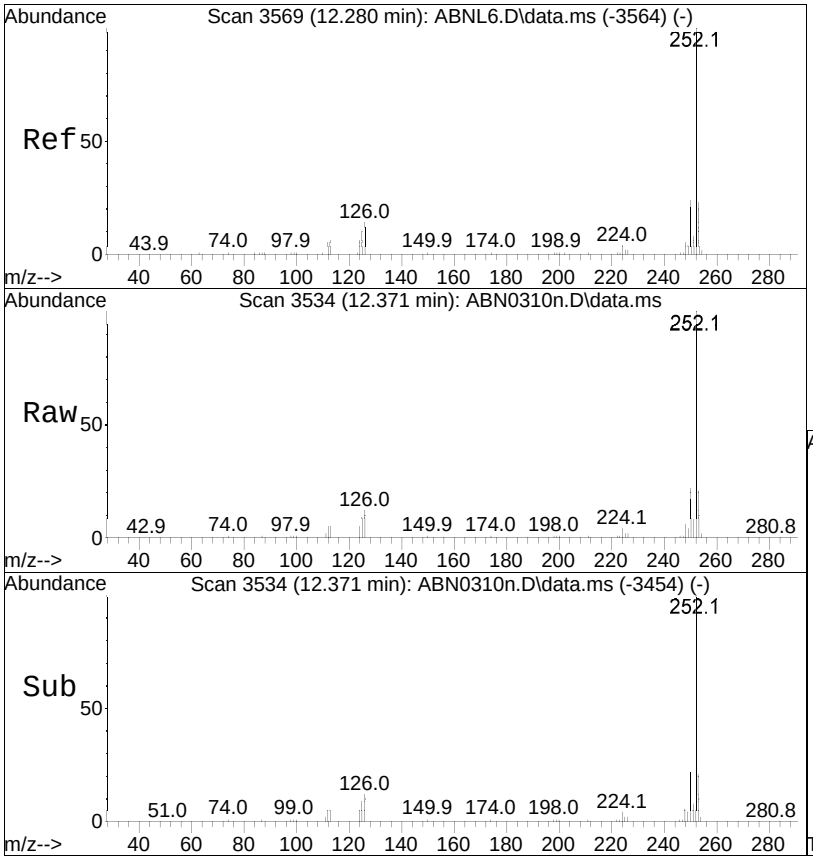


#112
Benzo(b)fluoranthene
Concen: 4.68 ug/ml
RT: 12.346 min Scan# 3526
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:252 Resp: 354322

Ion	Ratio	Lower	Upper
252	100		
125	9.5	13.3	19.9#
253	21.9	17.1	25.7

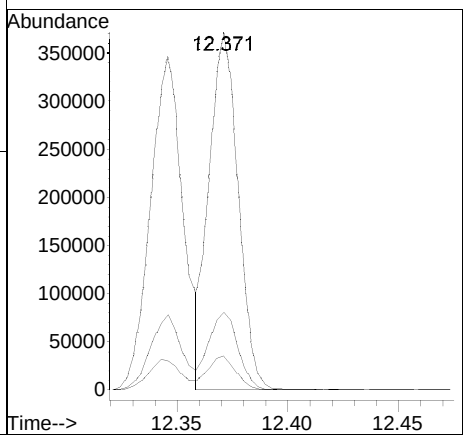


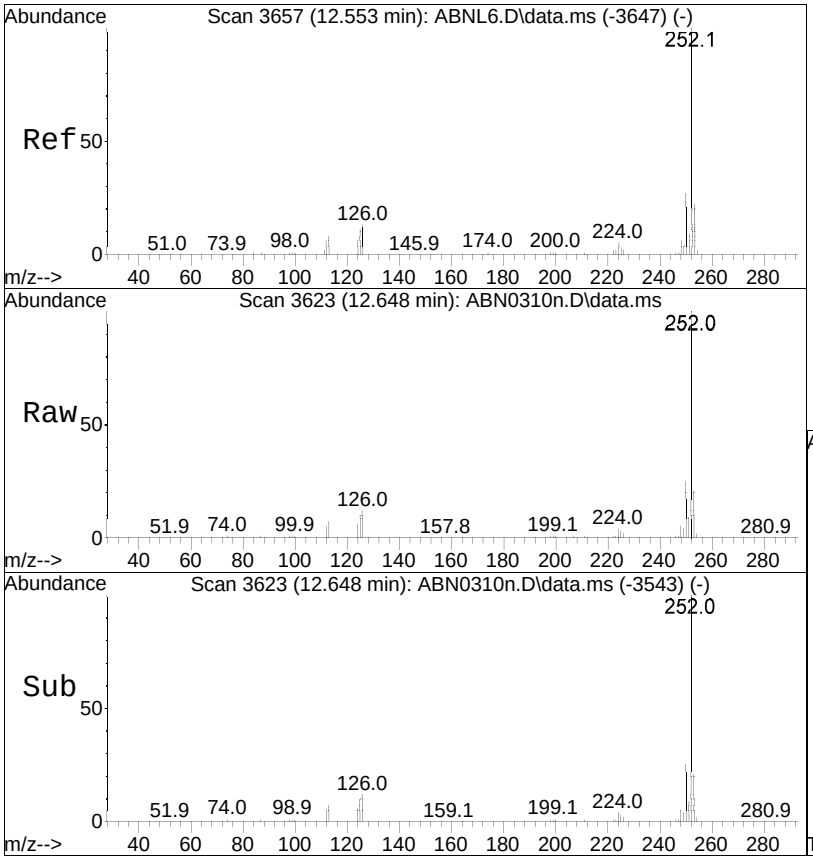


#113
Benzo(k)fluoranthene
Concen: 4.59 ug/ml
RT: 12.371 min Scan# 3534
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:252 Resp: 338355

Ion	Ratio	Lower	Upper
252	100		
125	9.1	13.0	19.6#
253	21.8	16.8	25.2

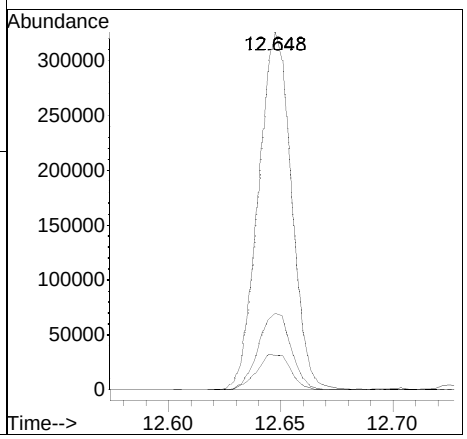


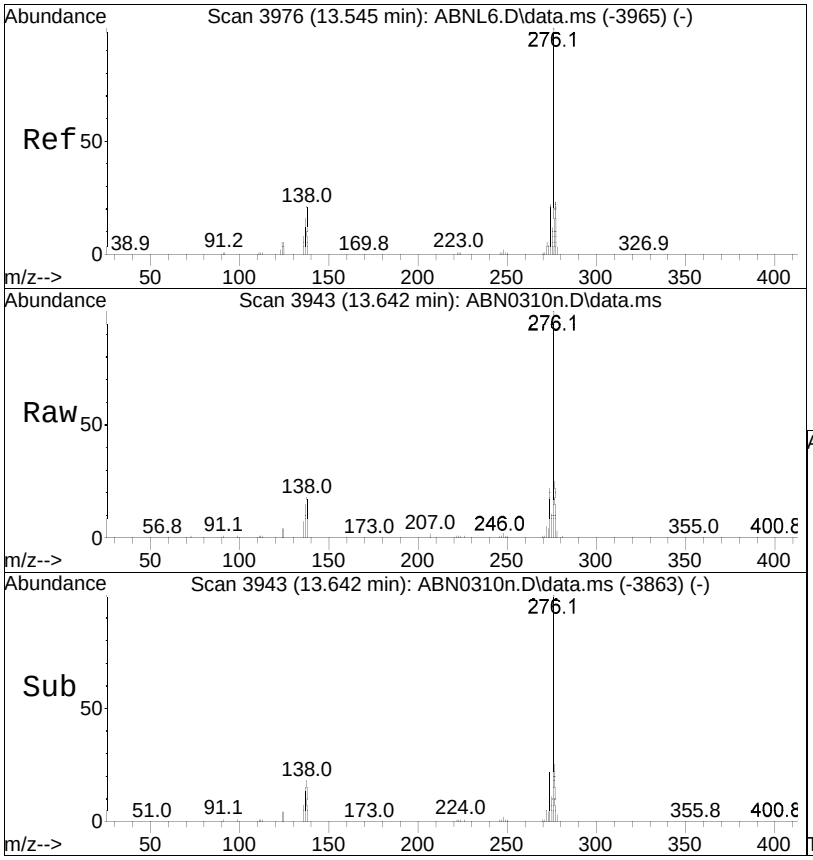


#114
Benzo(a)pyrene
Concen: 4.91 ug/ml M3
RT: 12.648 min Scan# 3623
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:252 Resp: 331161

Ion	Ratio	Lower	Upper
252	100		
125	0.2	14.2	21.2#
253	0.2	16.9	25.3#

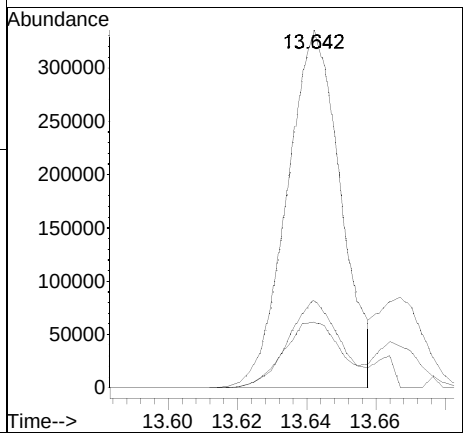


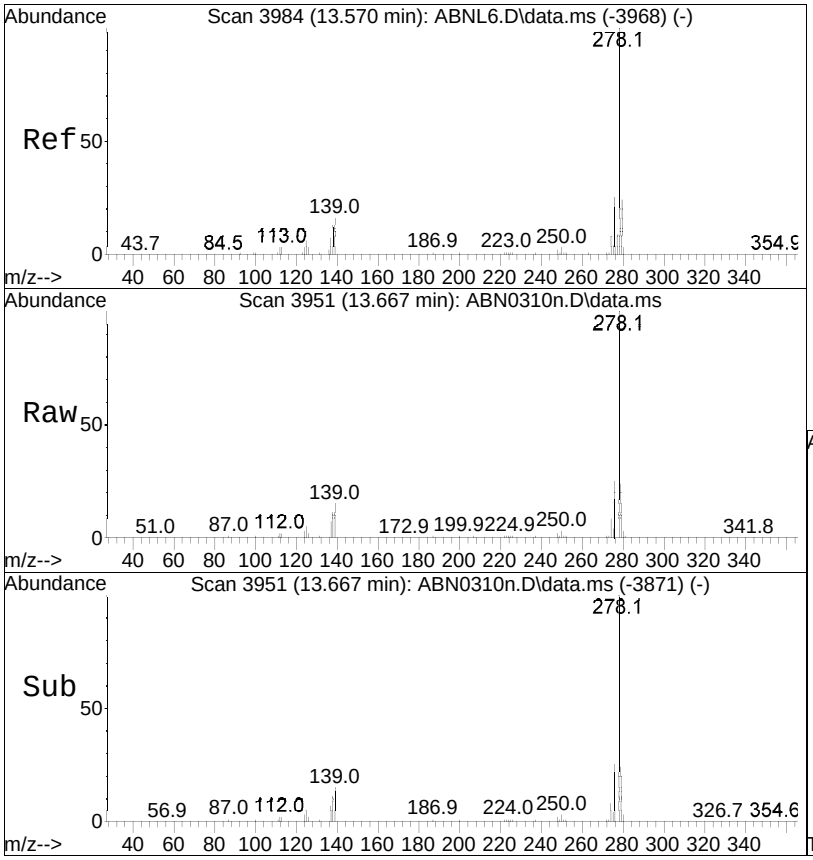


#116
Indeno(1,2,3-cd)pyrene
Concen: 4.65 ug/mL
RT: 13.642 min Scan# 3943
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:276 Resp: 361266

Ion	Ratio	Lower	Upper
276	100		
138	19.4	25.1	37.7#
277	24.1	18.6	28.0

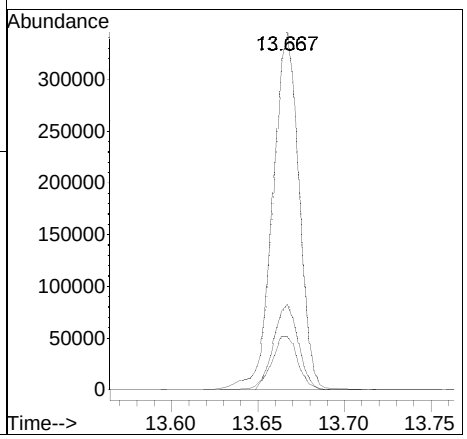


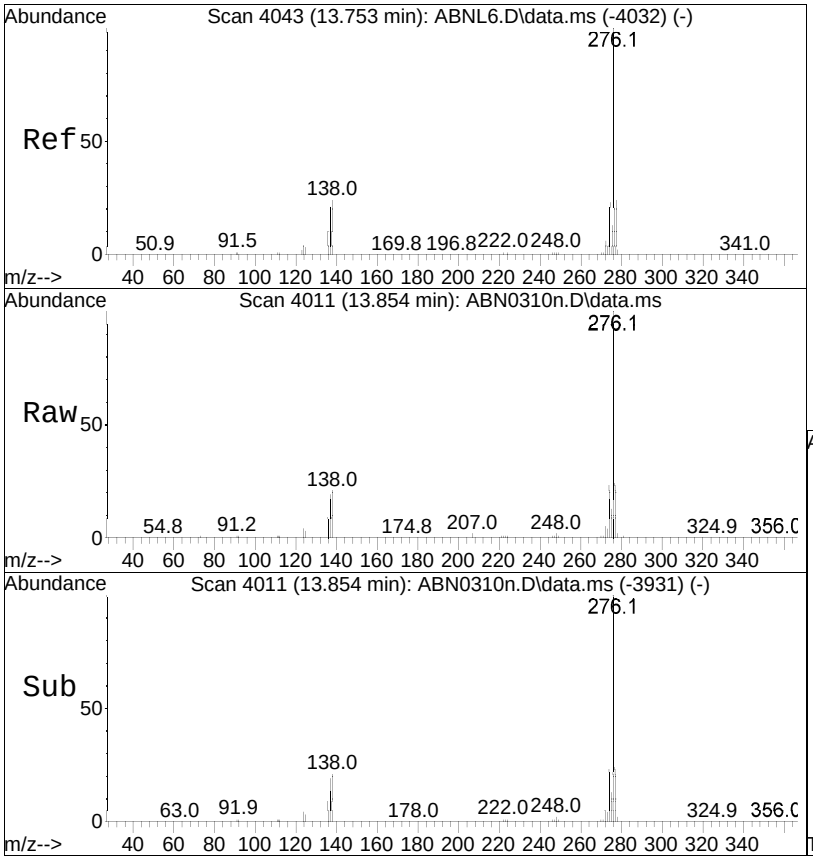


#117
Dibenzo(a,h)anthracene
Concen: 4.74 ug/ml
RT: 13.667 min Scan# 3951
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:278 Resp: 361293

Ion	Ratio	Lower	Upper
278	100		
139	14.8	20.8	31.2#
279	23.2	18.3	27.5

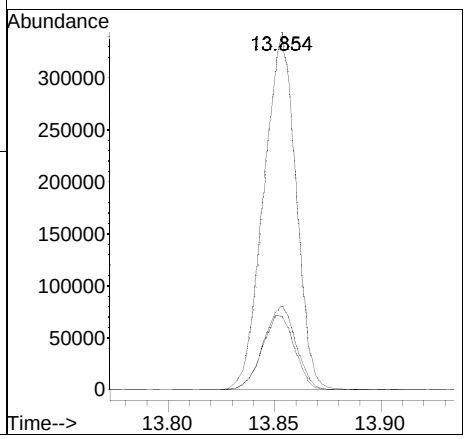




#118
Benzo(ghi)perylene
Concen: 4.77 ug/ml
RT: 13.854 min Scan# 4011
Delta R.T. 0.000 min
Lab File: ABN0310n.D
Acq: 10 Mar 2025 8:44 pm

Tgt Ion:276 Resp: 357944

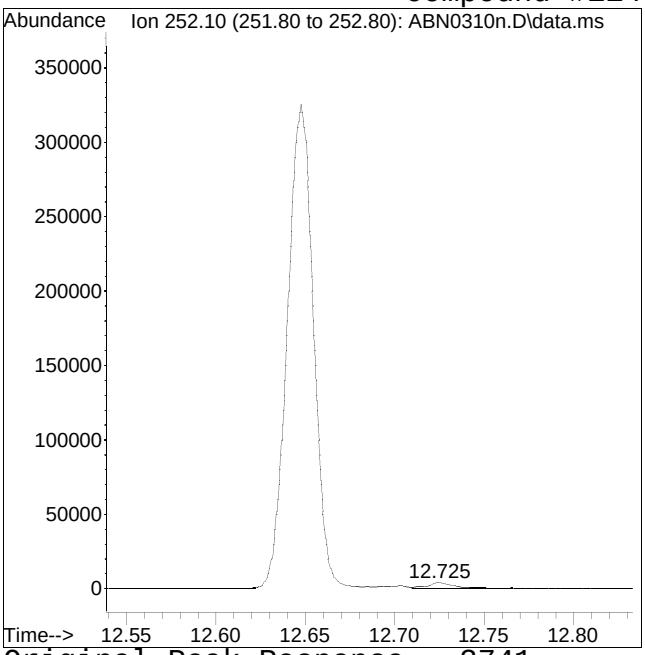
Ion	Ratio	Lower	Upper
276	100		
138	21.4	29.2	43.8#
277	23.8	18.8	28.2



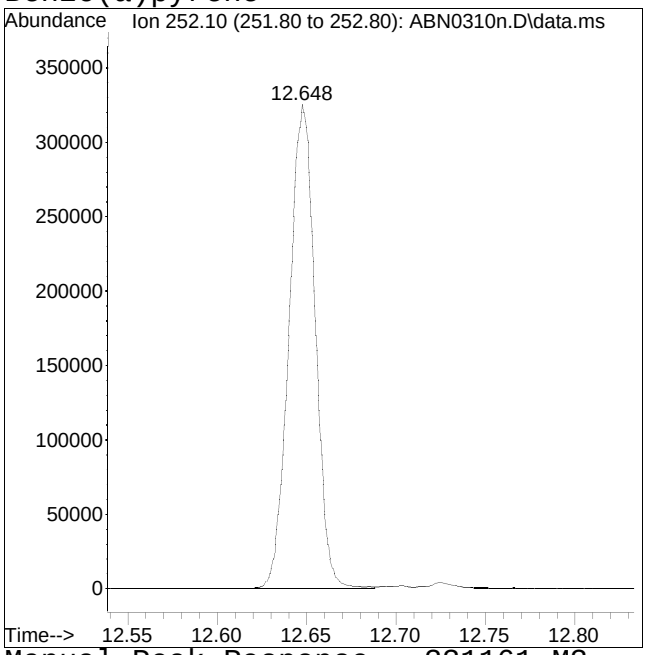
Manual Integration Report

Data Path : I:\8270\Dakota\250310RVTn\QMethod : FS241105RVT_Dakota.m
Data File : ABN0310n.D Operator : Dakota:ljg
Date Inj'd : 3/10/2025 8:44 pm Instrument : Dakota
Sample : WG2038779-3,32,,ABN 11297 Quant Date : 3/11/2025 7:17 am

Compound #114: Benzo(a)pyrene



Original Peak Response = 3741



Manual Peak Response = 331161 M3

M3 = 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:\8270\Dakota\250310RVTn\
Data File : AP90310n.D
Acq On : 10 Mar 2025 9:06 pm
Operator : Dakota:ljg
Sample : WG2038779-4,32,,AP9 11152 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Mar 11 07:18:35 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
28	T	Benzaldehyde	0.703	0.714	-1.6	104	0.00
29	T	Acetophenone	1.403	1.412	-0.6	107	0.00
30	T	m-Toluidine	1.287	1.277	0.8	107	0.00
31	T	2-Chloroaniline	1.368	1.396	-2.0	109	0.00
57	I	IS2_Naphthalene-d8	1.000	1.000	0.0	119	0.00
58	T	a-Terpineol	0.221	0.216	2.3	110	0.00
59	T	3-Chloroaniline	0.115	0.108	6.1	102	0.00
60	T	2,6-Dichlorophenol	0.296	0.313	-5.7	117	0.00
61	T	1-chloro-2-nitrobenzene	0.113	0.127	-12.4	120	0.00
62	T	Caprolactam	0.123	0.125	-1.6	117	0.00
63	T	1,2,4,5-Tetrachlorobenzene	0.413	0.420	-1.7	114	0.00
64	T	Biphenyl	0.842	0.865	-2.7	115	0.00
85	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	126	0.00
86	T	Dichloran	0.169	0.192	-13.6	146	0.00
87	T	Pentachloronitrobenzene	0.187	0.205	-9.6	143	0.00
100	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	132	0.00
101	T	Diphenamid	0.416	0.466	-12.0	142	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : AP90310n.D
Acq On : 10 Mar 2025 9:06 pm
Operator : Dakota:ljg
Sample : WG2038779-4,32,,AP9 11152 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Mar 11 07:18:35 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:26 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
27)	IS2_1,4-Dichlorobenzen...	4.340	152	31522	4.000	ug/ml	0.00
57)	IS2_Naphthalene-d8	5.580	136	117255	4.000	ug/ml	0.00
85)	IS2_Acenaphthene-d10	7.274	164	80847	4.000	ug/ml	0.00
100)	IS2_Phenanthrene-d10	8.694	188	188147	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
28)	Benzaldehyde	3.904	105	28151	5.078	ug/ml	94
29)	Acetophenone	4.753	105	55623	5.029	ug/ml#	80
30)	m-Toluidine	4.840	106	50300	4.960	ug/ml	96
31)	2-Chloroaniline	5.197	127	55015	5.103	ug/ml#	91
58)	a-Terpineol	5.648	59	31689	4.882	ug/ml#	81
59)	3-Chloroaniline	5.667	65	15811	4.707	ug/ml	83
60)	2,6-Dichlorophenol	5.692	162	45820	5.289	ug/ml#	82
61)	1-chloro-2-nitrobenzene	5.940	111	18578	5.586	ug/ml#	1
62)	Caprolactam	5.984	55	18324	5.086	ug/ml#	67
63)	1,2,4,5-Tetrachloroben...	6.450	216	61629	5.091	ug/ml#	96
64)	Biphenyl	6.742	154	126848	5.141	ug/ml	97
86)	Dichloran	8.405	206	19362	5.670	ug/ml#	57
87)	Pentachloronitrobenzene	8.554	237	20696	5.489	ug/ml#	77
101)	Diphenamid	9.608	167	109566	5.600	ug/ml#	70

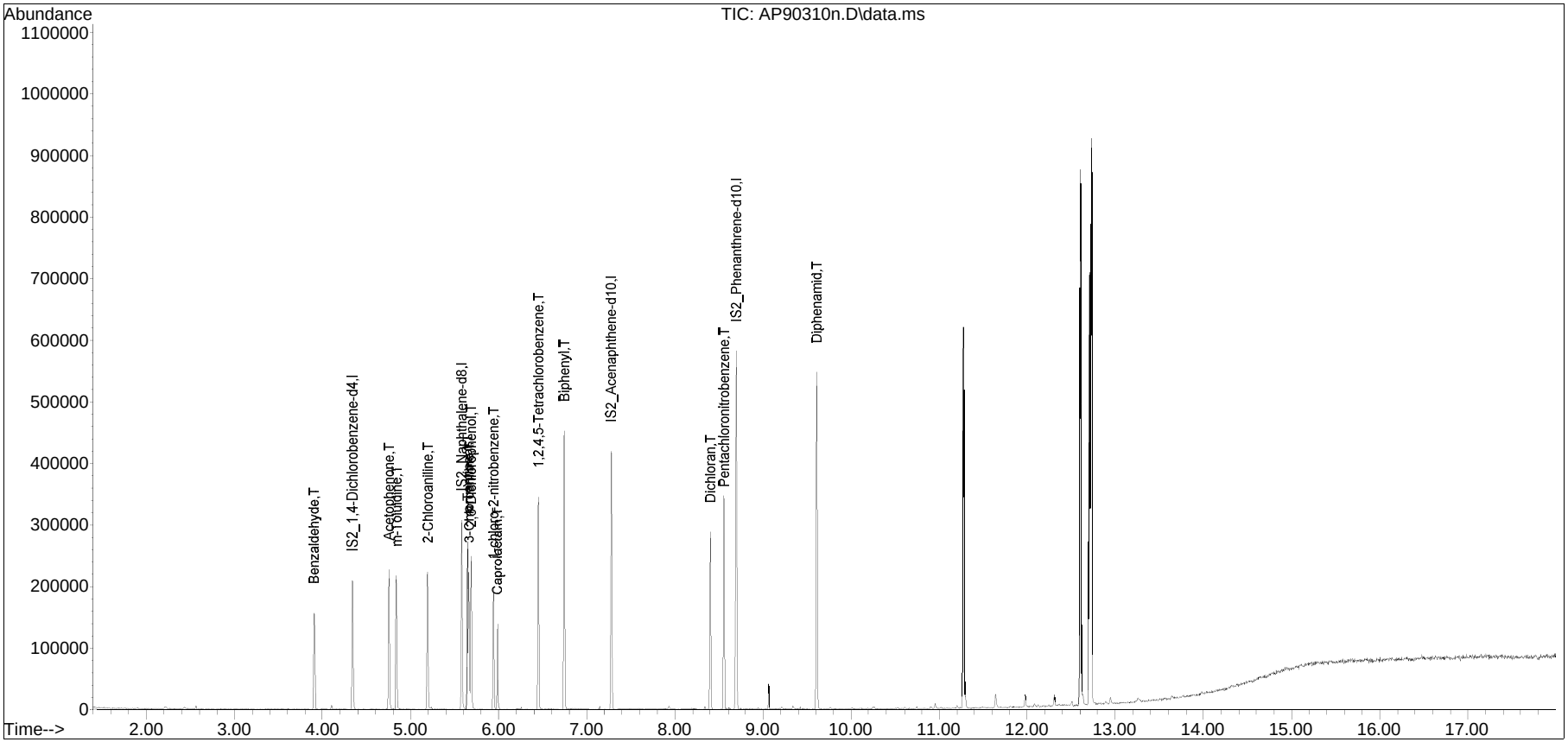
(#) = qualifier out of range (m) = manual integration (+) = signals summed

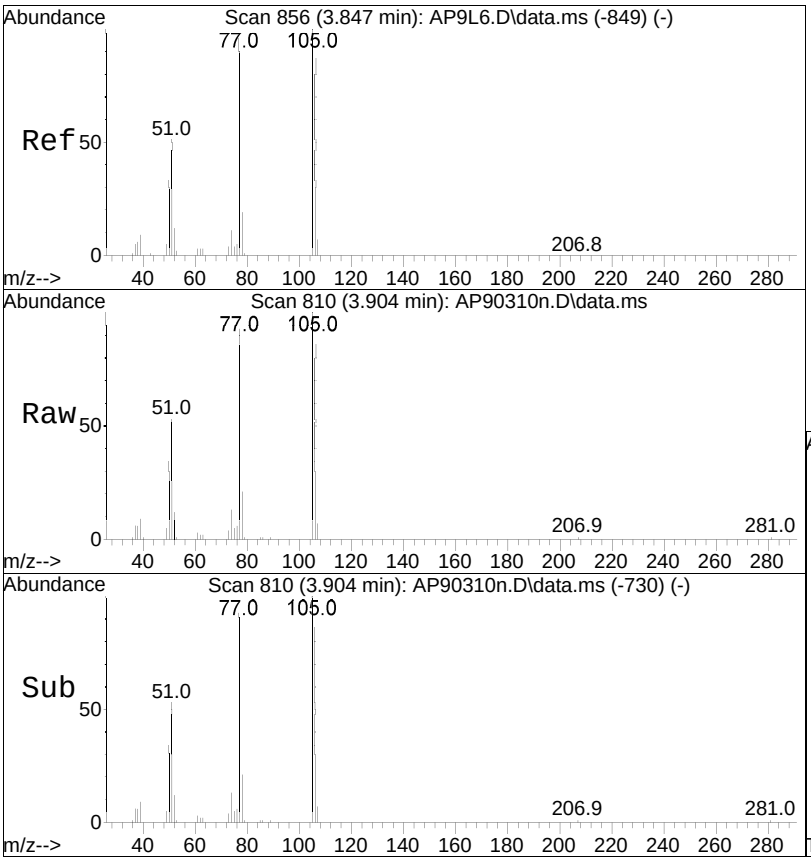
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : AP90310n.D
Acq On : 10 Mar 2025 9:06 pm
Operator : Dakota:ljg
Sample : WG2038779-4,32,,AP9 11152 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Mar 11 07:18:35 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:26 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

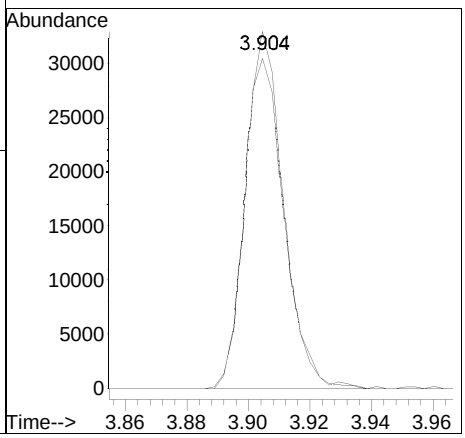


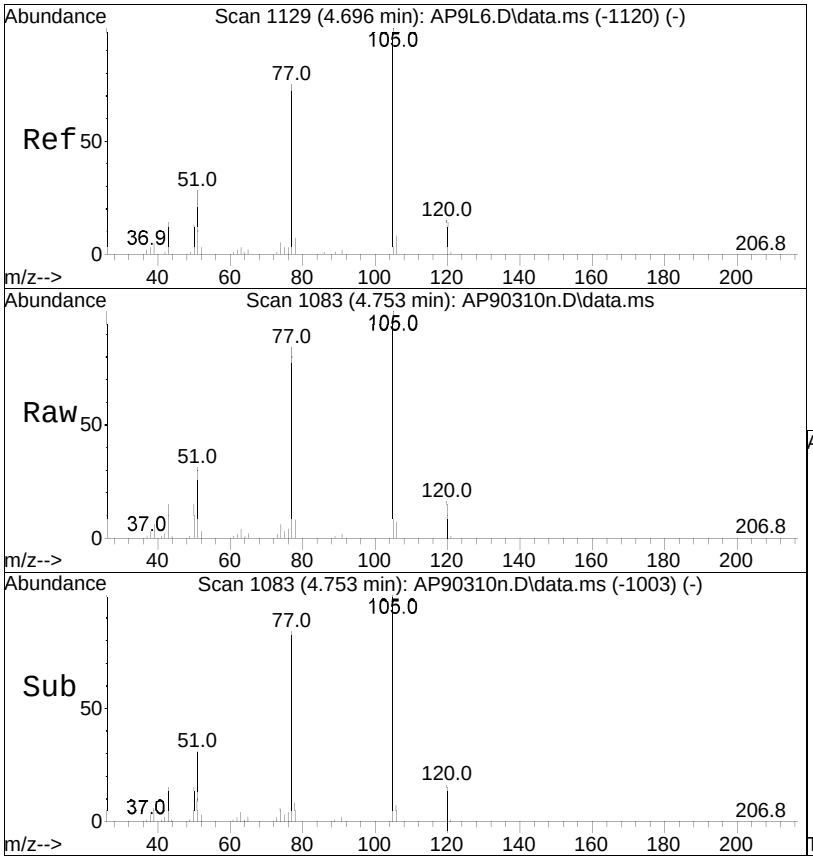


#28
Benzaldehyde
Concen: 5.08 ug/ml
RT: 3.904 min Scan# 810
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:105 Resp: 28151

Ion	Ratio	Lower	Upper
105	100		
77	97.0	82.2	123.4

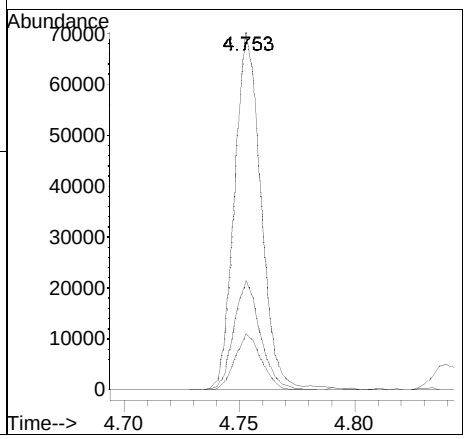


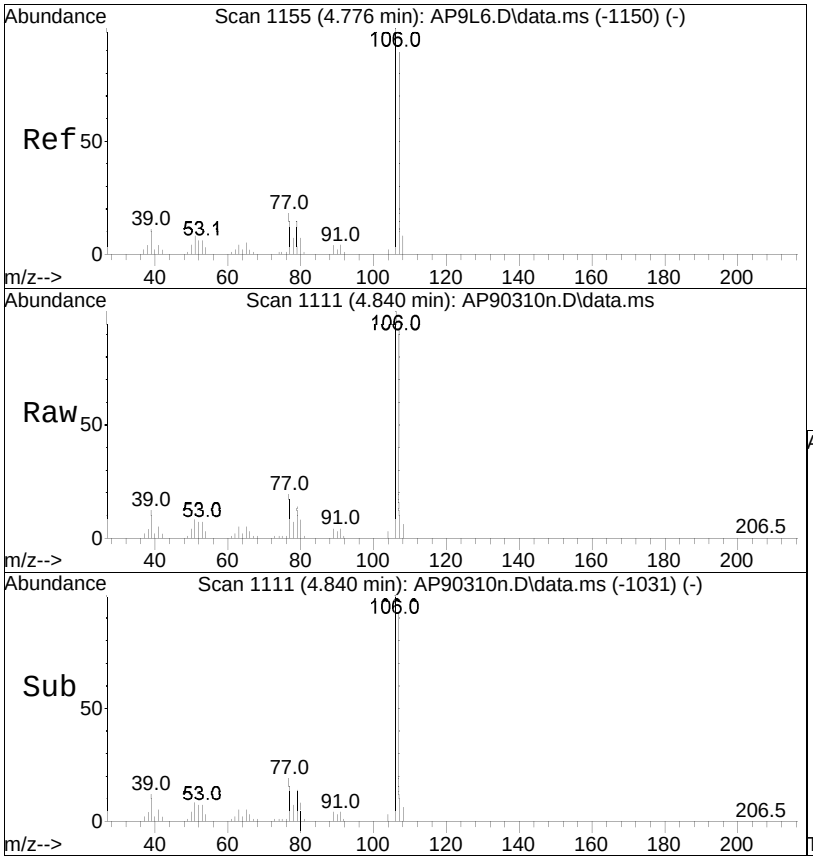


#29
Acetophenone
Concen: 5.03 ug/ml
RT: 4.753 min Scan# 1083
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:105 Resp: 55623

Ion	Ratio	Lower	Upper
105	100		
120	15.6	20.5	30.7#
51	30.7	34.9	52.3#

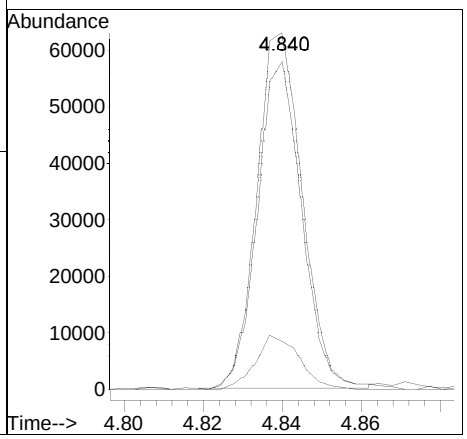


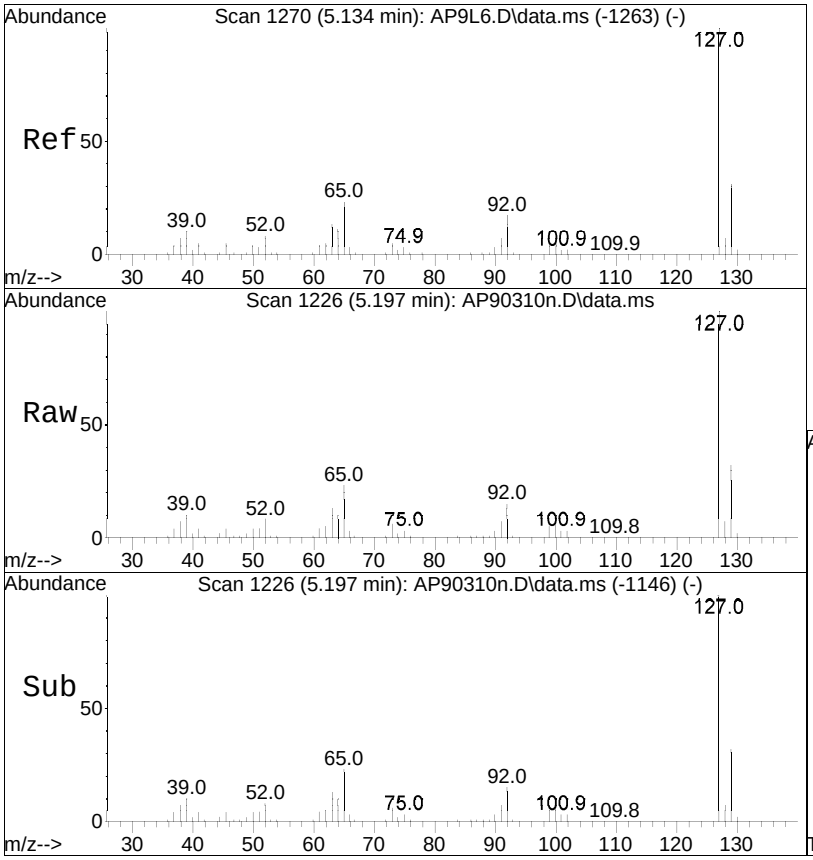


#30
m-Toluidine
Concen: 4.96 ug/ml
RT: 4.840 min Scan# 1111
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:106 Resp: 50300

Ion	Ratio	Lower	Upper
106	100		
107	90.5	75.7	113.5
79	14.8	11.8	17.8

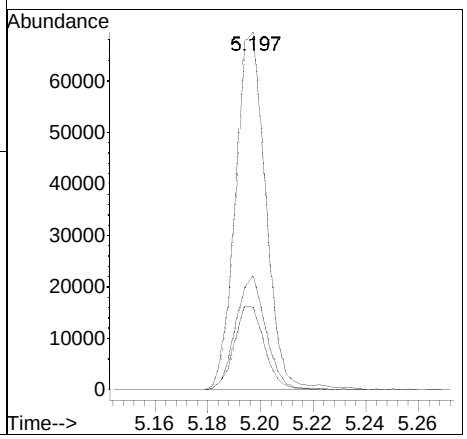


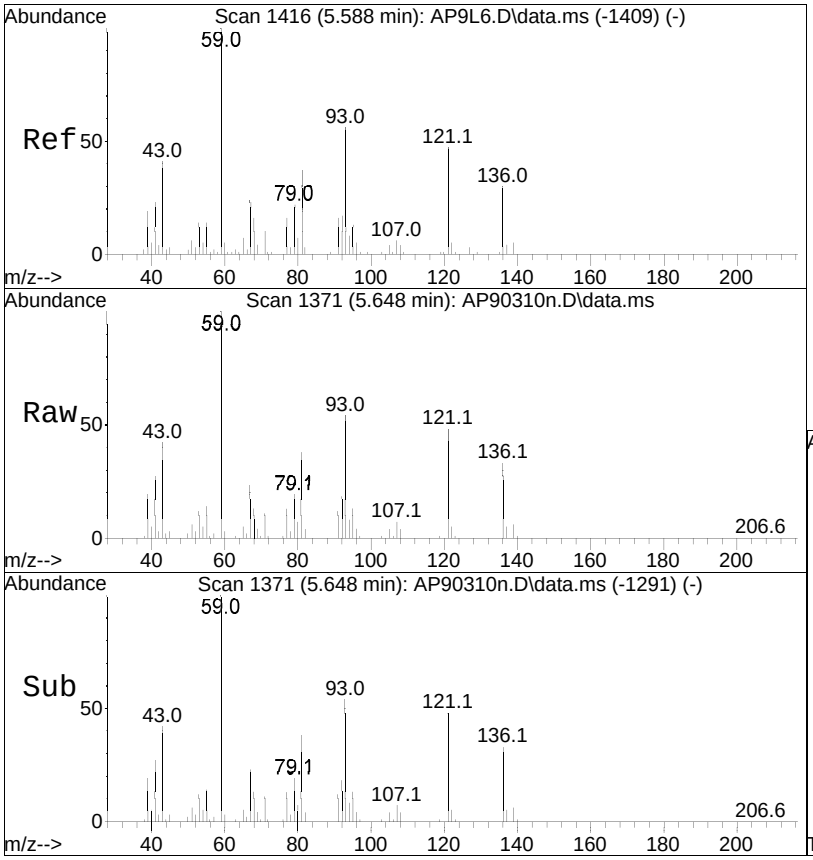


#31
2-Chloroaniline
Concen: 5.10 ug/ml
RT: 5.197 min Scan# 1226
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:127 Resp: 55015

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.9	38.9
65	23.6	26.3	39.5#

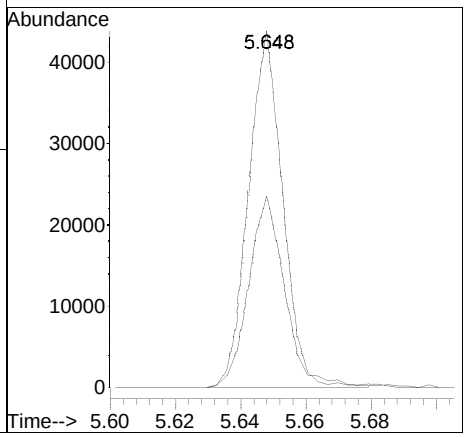


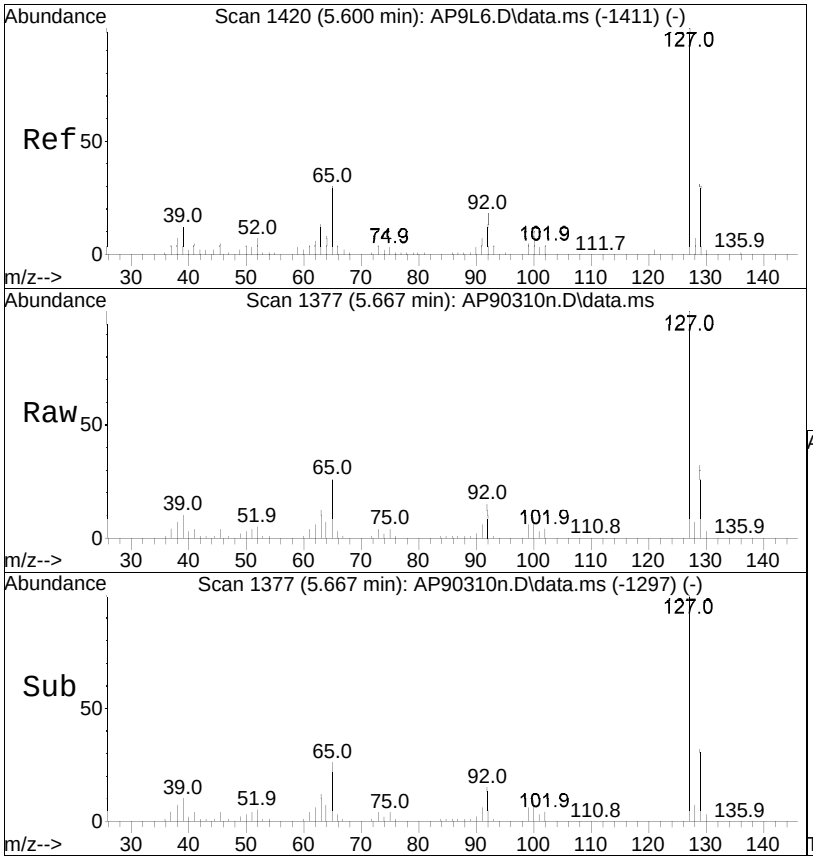


#58
a-Terpineol
Concen: 4.88 ug/ml
RT: 5.648 min Scan# 1371
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion: 59 Resp: 31689

Ion	Ratio	Lower	Upper
59	100		
93	57.0	35.6	53.4#

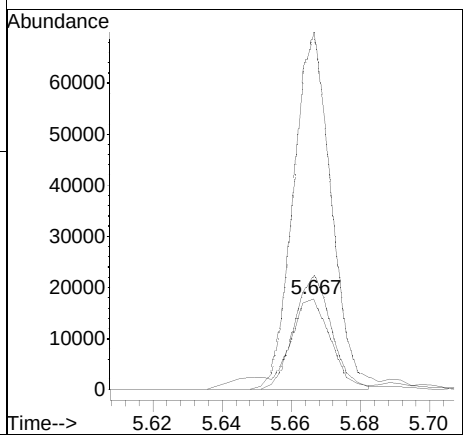


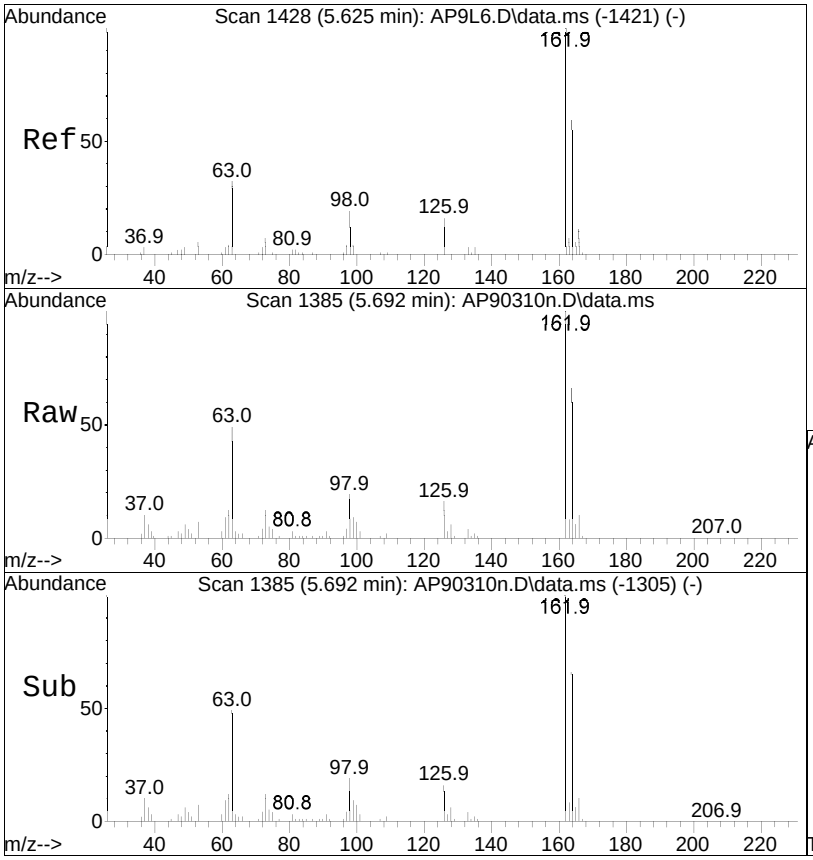


#59
3-Chloroaniline
Concen: 4.71 ug/ml
RT: 5.667 min Scan# 1377
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion: 65 Resp: 15811

Ion	Ratio	Lower	Upper
65	100		
127	342.4	243.2	364.8
129	107.4	78.8	118.2

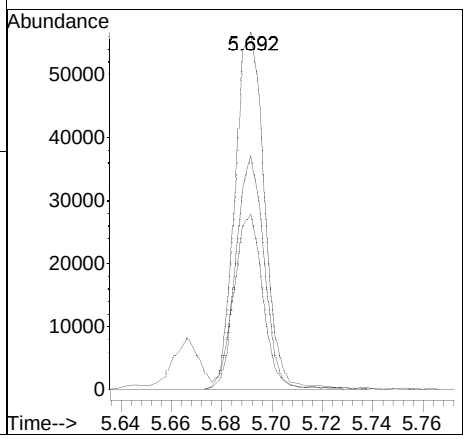


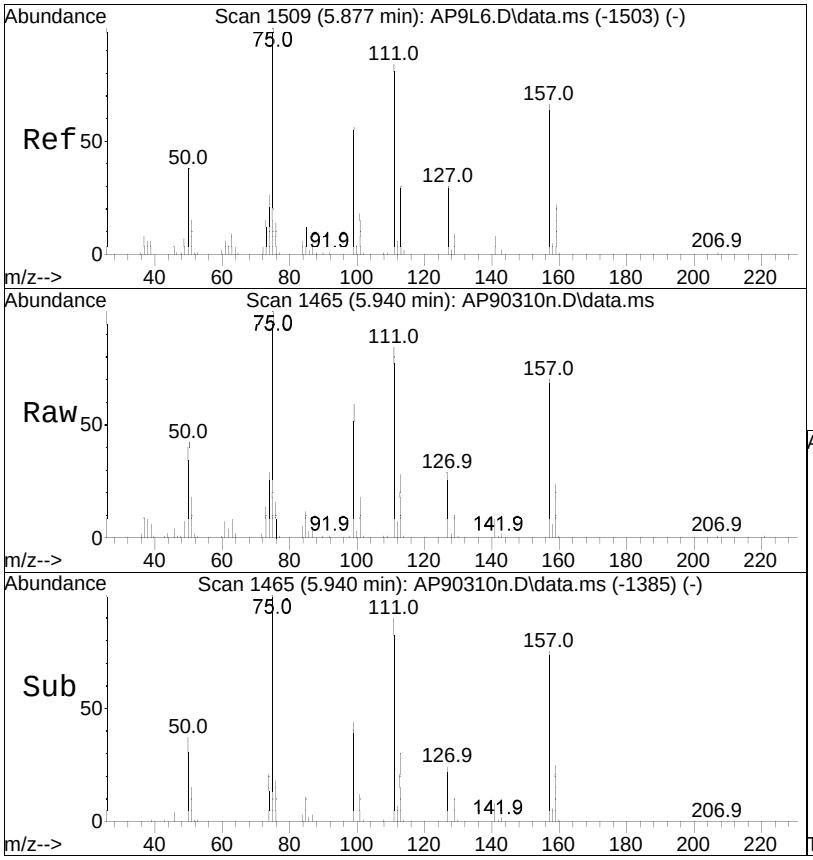


#60
2,6-Dichlorophenol
Concen: 5.29 ug/ml
RT: 5.692 min Scan# 1385
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:162 Resp: 45820

Ion	Ratio	Lower	Upper
162	100		
164	61.9	51.1	76.7
63	48.8	60.8	91.2#

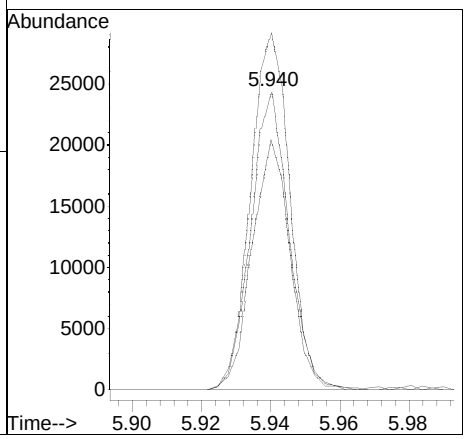


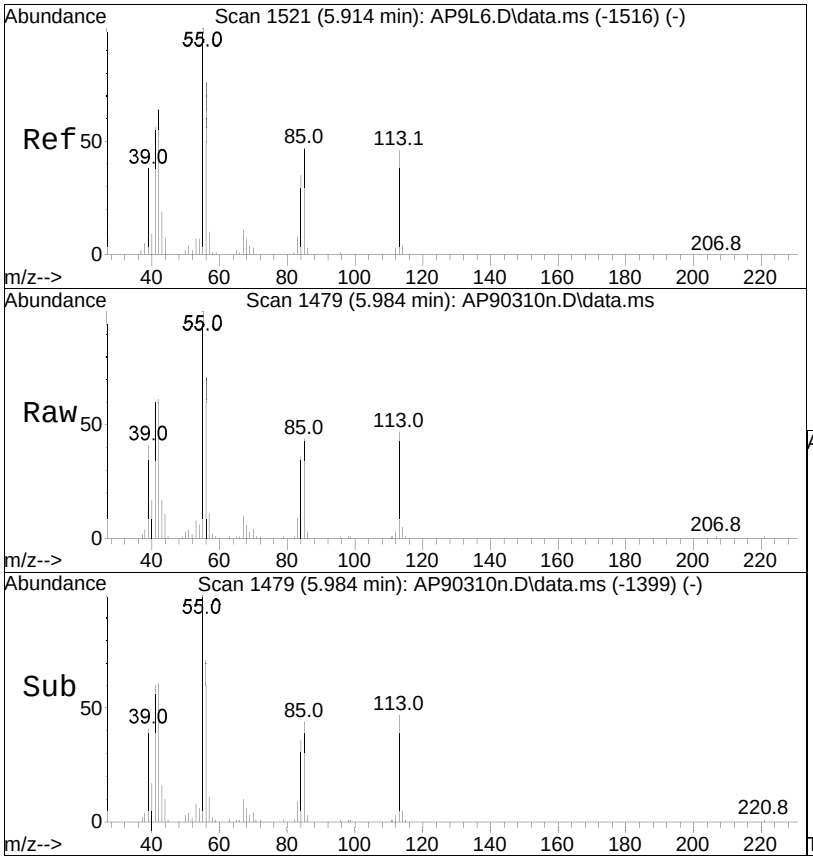


#61
1-chloro-2-nitrobenzene
Concen: 5.59 ug/ml
RT: 5.940 min Scan# 1465
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:111 Resp: 18578

Ion	Ratio	Lower	Upper
111	100		
157	83.4	0.0	0.0#
75	123.2	28.2	42.2#

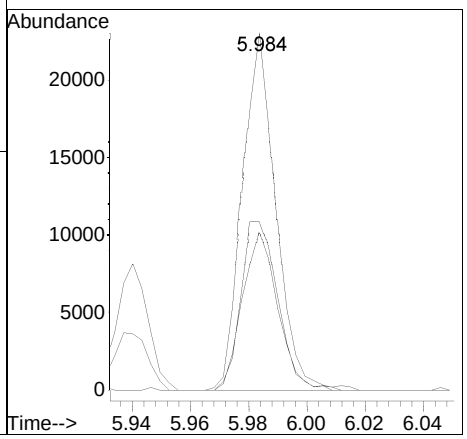


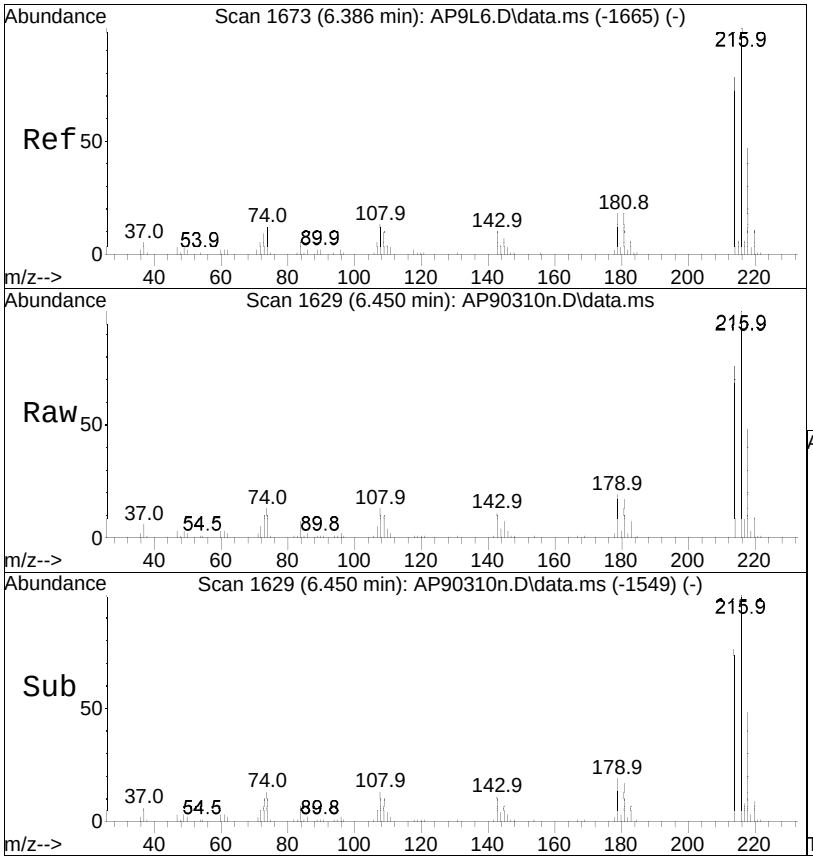


#62
Caprolactam
Concen: 5.09 ug/ml
RT: 5.984 min Scan# 1479
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion: 55 Resp: 18324

Ion	Ratio	Lower	Upper
55	100		
85	46.6	19.8	29.6#
113	52.0	29.6	44.4#

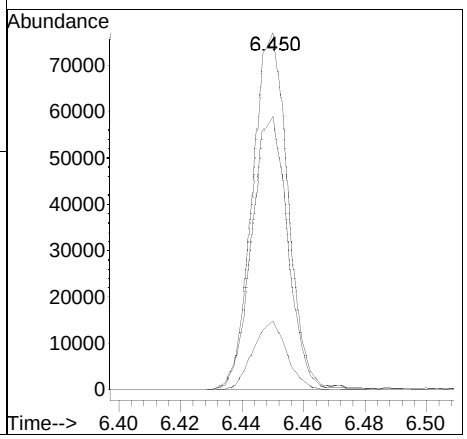


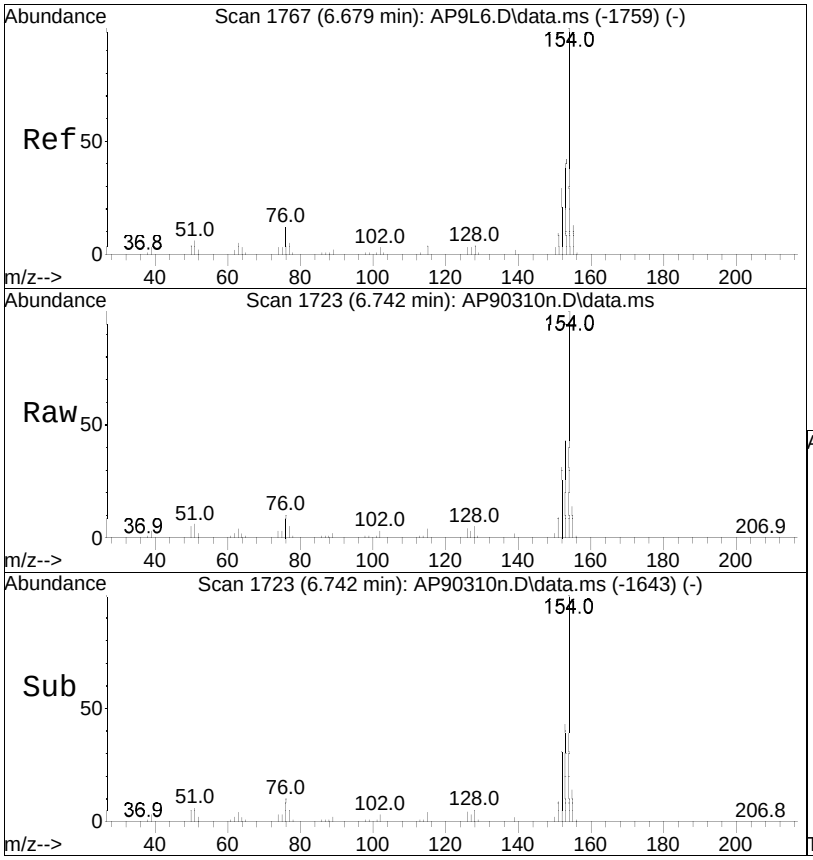


#63
1,2,4,5-Tetrachlorobenzene
Concen: 5.09 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:216 Resp: 61629

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.7	95.5
179	18.4	19.0	28.6#

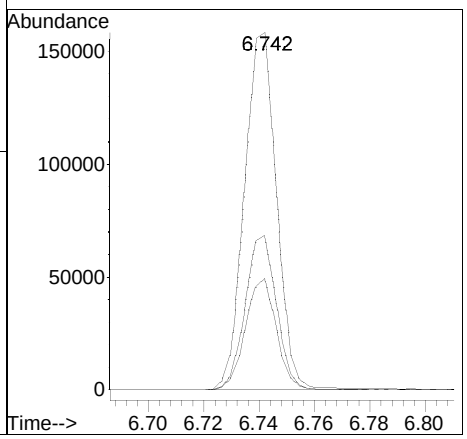


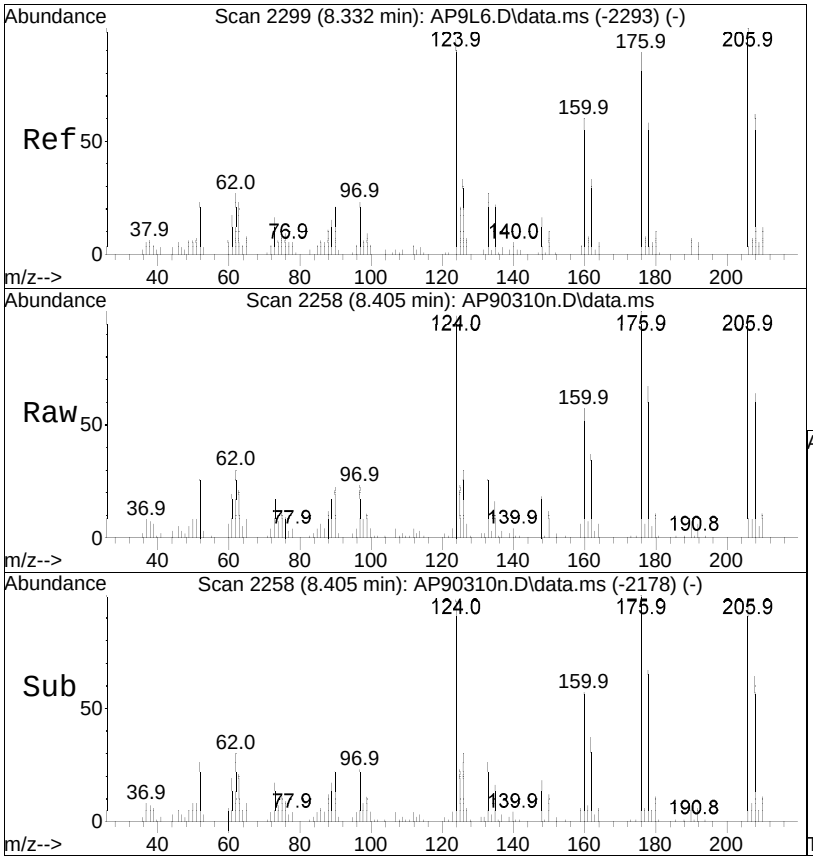


#64
Biphenyl
Concen: 5.14 ug/ml
RT: 6.742 min Scan# 1723
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:154 Resp: 126848

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.3	48.5
152	30.3	22.5	33.7

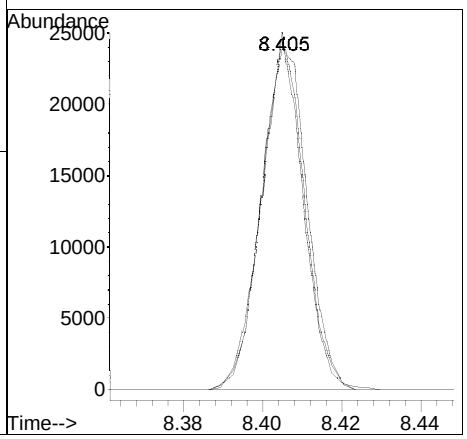


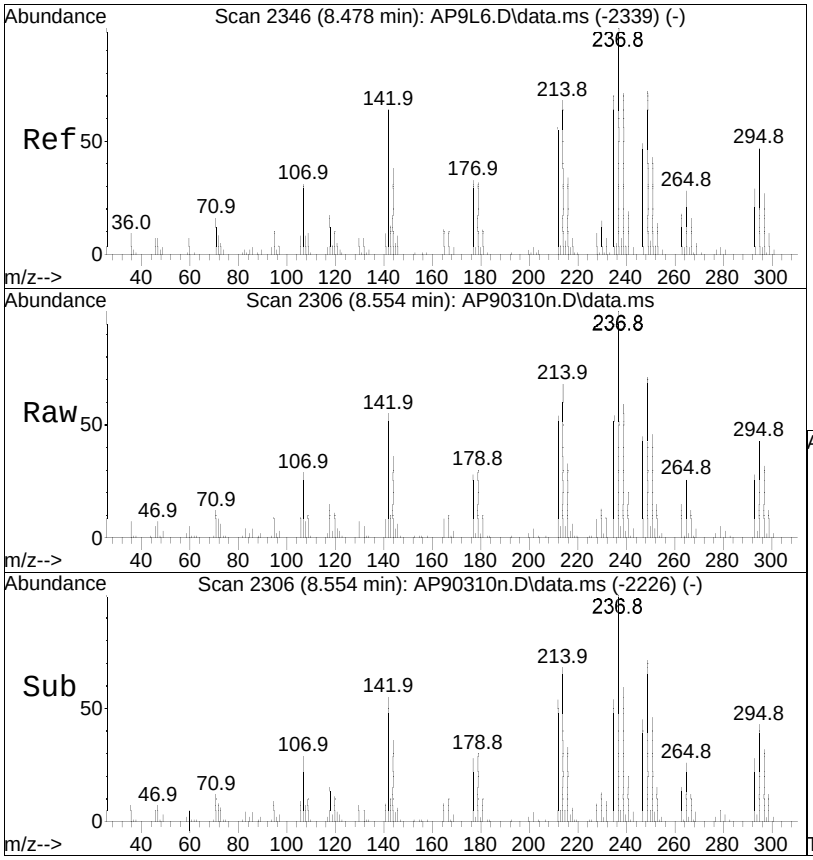


#86
Dichloran
Concen: 5.67 ug/ml
RT: 8.405 min Scan# 2258
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:206 Resp: 19362

Ion	Ratio	Lower	Upper
206	100		
176	94.9	104.6	157.0#
124	92.9	130.5	195.7#

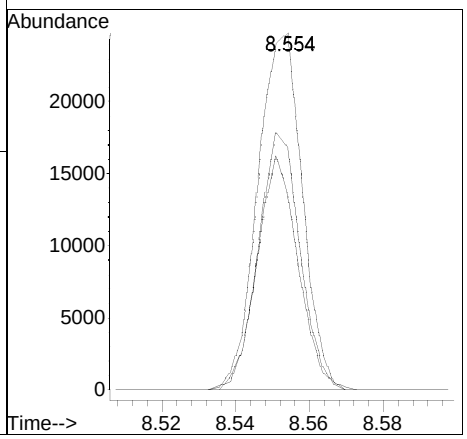


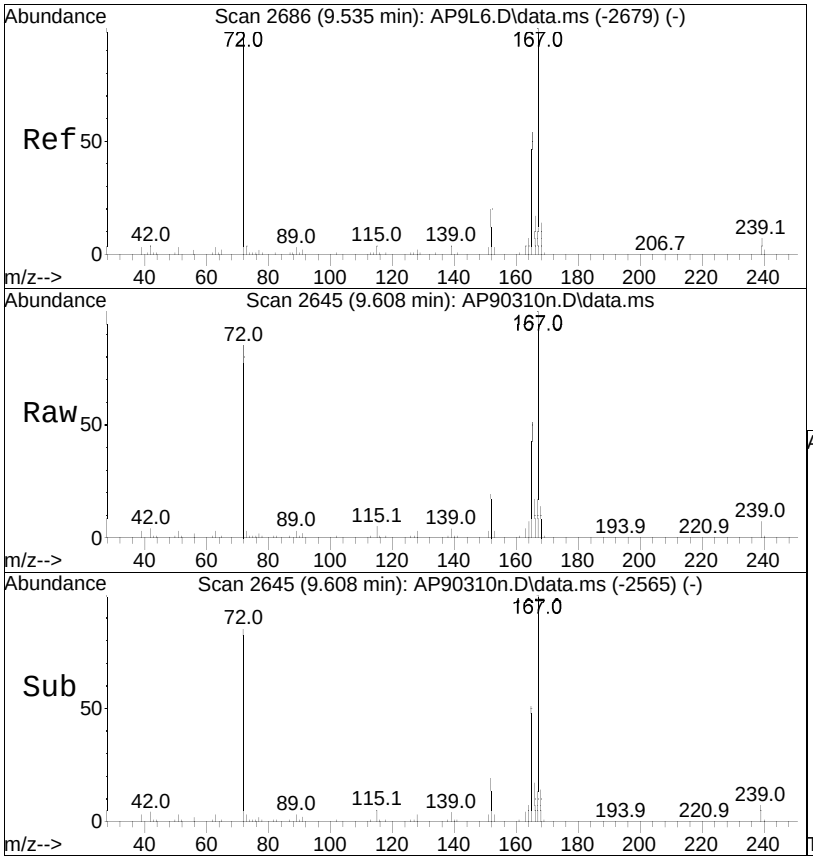


#87
Pentachloronitrobenzene
Concen: 5.49 ug/ml
RT: 8.554 min Scan# 2306
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:237 Resp: 20696

Ion	Ratio	Lower	Upper
237	100		
142	60.3	77.0	115.4#
214	67.8	58.2	87.4

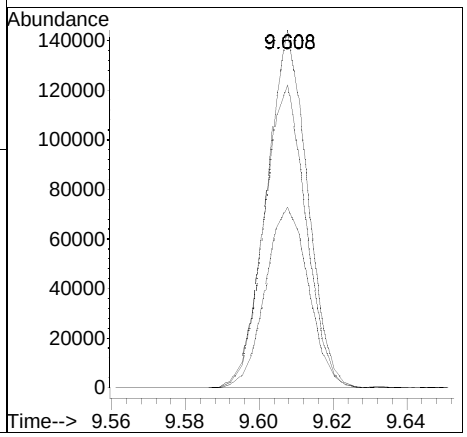




#101
Diphenamid
Concen: 5.60 ug/ml
RT: 9.608 min Scan# 2645
Delta R.T. 0.000 min
Lab File: AP90310n.D
Acq: 10 Mar 2025 9:06 pm

Tgt Ion:167 Resp: 109566

Ion	Ratio	Lower	Upper
167	100		
72	87.8	109.7	164.5#
165	53.7	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\250310RVTn\	QMethod	: FS241105RVT_Dakota.m
Data File	: AP90310n.D	Operator	: Dakota:ljg
Date Inj'd	: 3/10/2025 9:06 pm	Instrument	: Dakota
Sample	: WG2038779-4,32,,AP9 11152	Quant Date	: 3/11/2025 7:19 am

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

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ADP0310n.D
Acq On : 10 Mar 2025 10:15 pm
Operator : Dakota:ljg
Sample : WG2038779-5,32,,ADP 11153 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Mar 11 05:07:32 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 05:08:23 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	106	0.00
33	T	1,4-Dioxane		0.381	0.355	6.8	94	0.00
35	T	n-Decane		1.048	0.951	9.3	92	0.00
88	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	119	0.00
89	T	Atrazine		0.343	0.406	-18.4	142	0.00
102	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	132	0.00
103	T	n-Octadecane		0.334	0.305	8.7	121	0.00
104	T	Parathion	*	5.000	5.593	-11.9	167	0.00
105	T	3,3'-Dimethylbenzidine	*	5.000	5.422	-8.4	164	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ADP0310n.D
Acq On : 10 Mar 2025 10:15 pm
Operator : Dakota:ljg
Sample : WG2038779-5,32,,ADP 11153 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Mar 11 05:07:32 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 05:08:23 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.346	152	28785	4.000	ug/ml	0.00
88)	IS3_Acenaphthene-d10	7.280	164	72248	4.000	ug/ml	0.00
102)	IS3_Phenanthrene-d10	8.700	188	176444	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.452	88	12774	4.660	ug/ml#	89
35)	n-Decane	4.243	57	34226	4.537	ug/ml#	28
89)	Atrazine	8.498	200	36694	5.921	ug/ml#	90
103)	n-Octadecane	8.703	57	67165	4.563	ug/ml#	1
104)	Parathion	9.496	109	20740	5.593	ug/ml	95
105)	3,3'-Dimethylbenzidine	10.749	212	178670	5.422	ug/ml	98

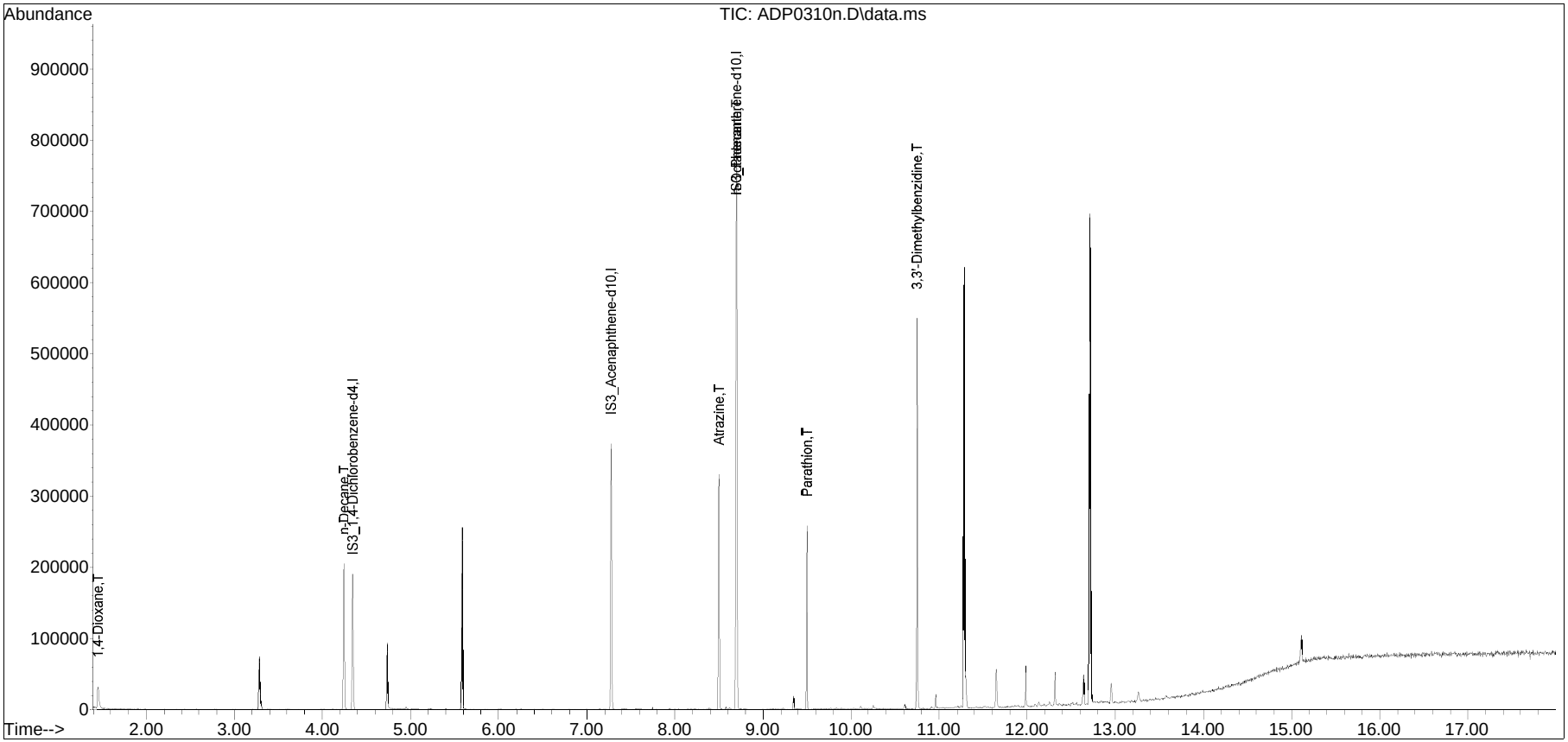
(#) = qualifier out of range (m) = manual integration (+) = signals summed

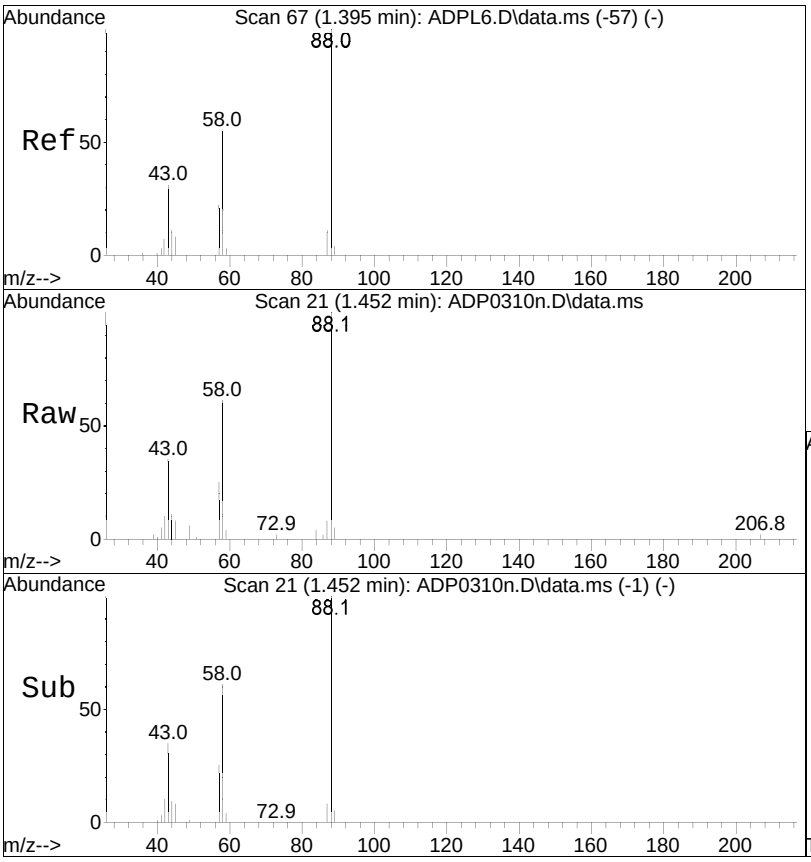
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : ADP0310n.D
Acq On : 10 Mar 2025 10:15 pm
Operator : Dakota:ljg
Sample : WG2038779-5,32,,ADP 11153 gmr0304A
Misc : WG2038779,,ical21680
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Mar 11 05:07:32 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 05:08:23 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

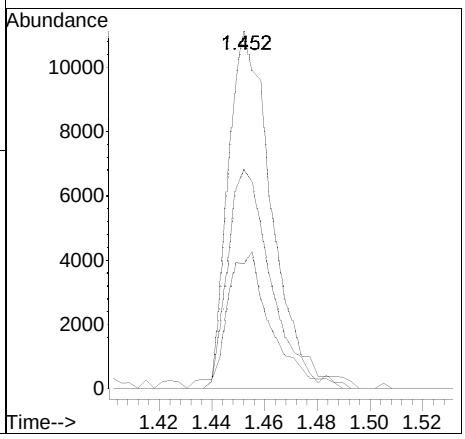


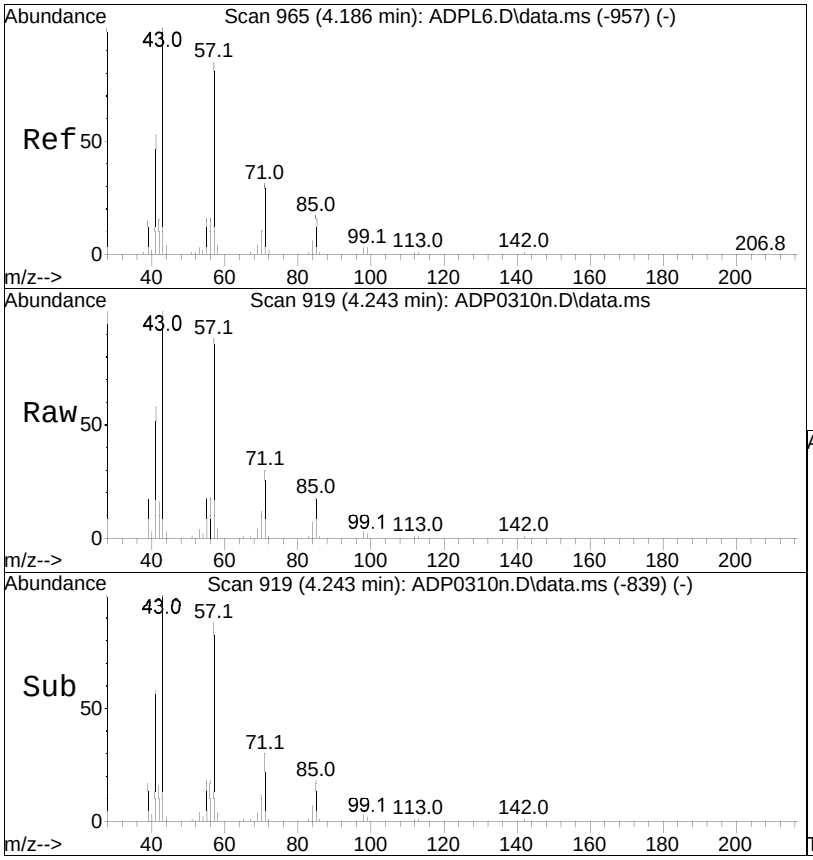


#33
1,4-Dioxane
Concen: 4.66 ug/ml
RT: 1.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion: 88 Resp: 12774

Ion	Ratio	Lower	Upper
88	100		
58	60.6	44.8	67.2
43	38.9	22.4	33.6#

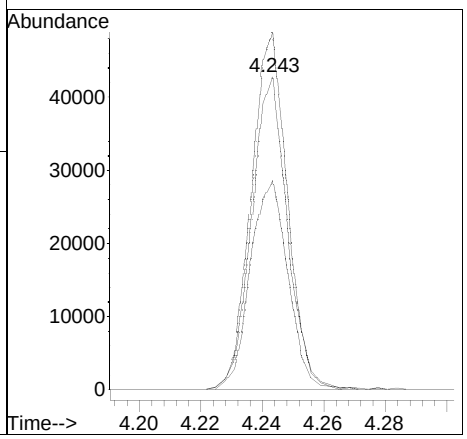


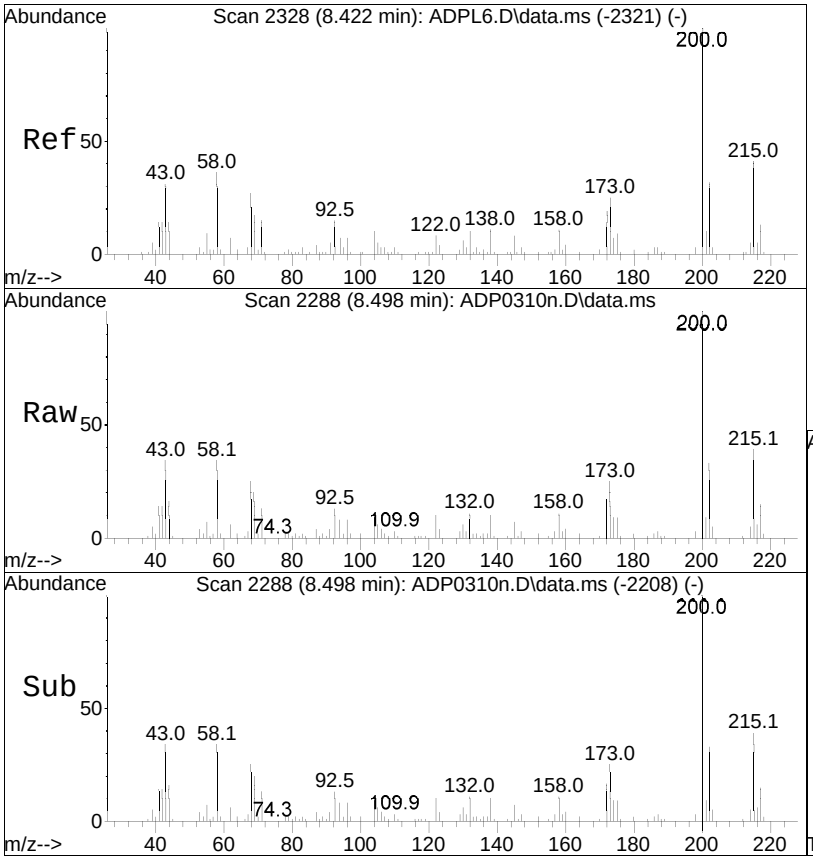


#35
n-Decane
Concen: 4.54 ug/ml
RT: 4.243 min Scan# 919
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion: 57 Resp: 34226

Ion	Ratio	Lower	Upper
57	100		
43	115.6	0.2	0.2#
41	70.4	0.2	0.2#

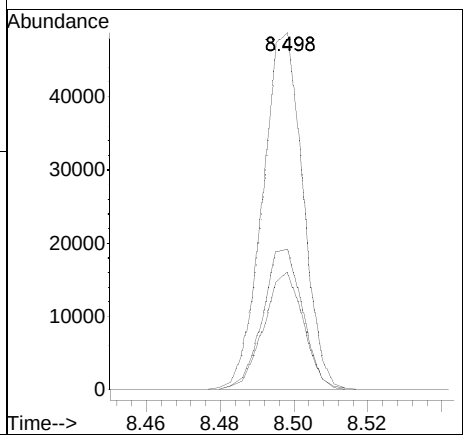


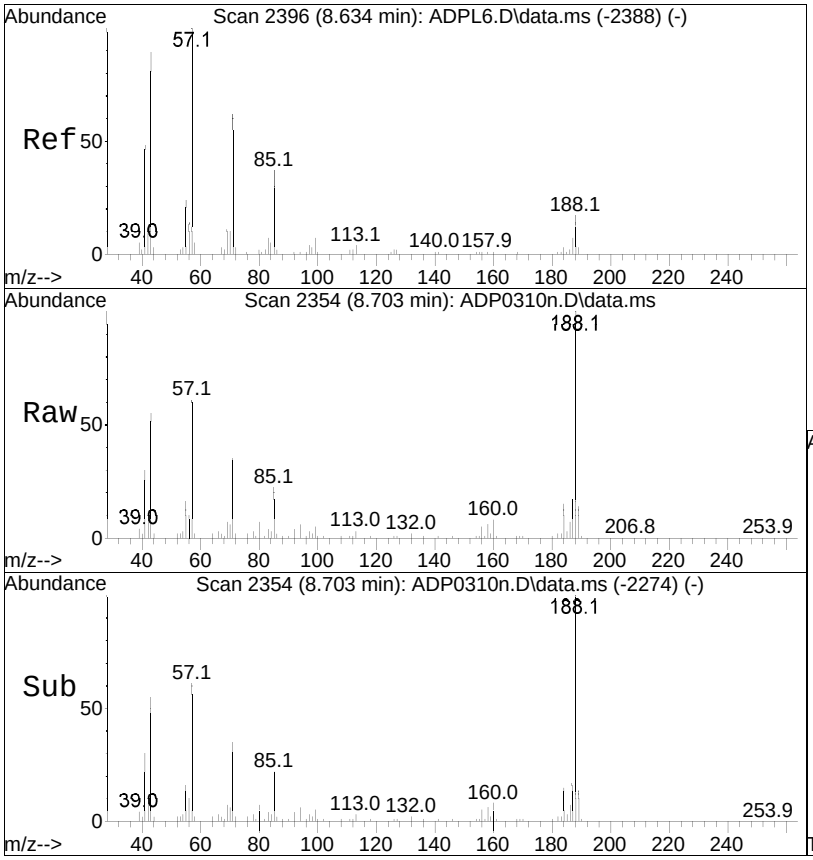


#89
Atrazine
Concen: 5.92 ug/ml
RT: 8.498 min Scan# 2288
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion:200 Resp: 36694

Ion	Ratio	Lower	Upper
200	100		
202	32.6	25.8	38.6
215	39.2	40.2	60.4#

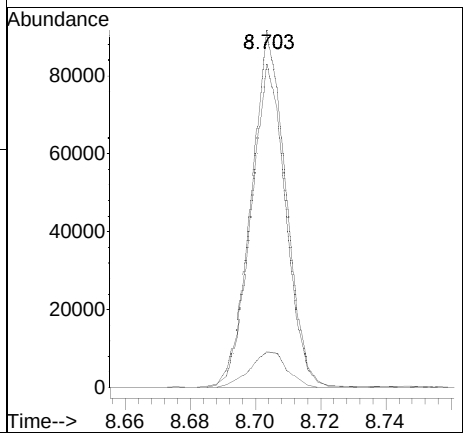


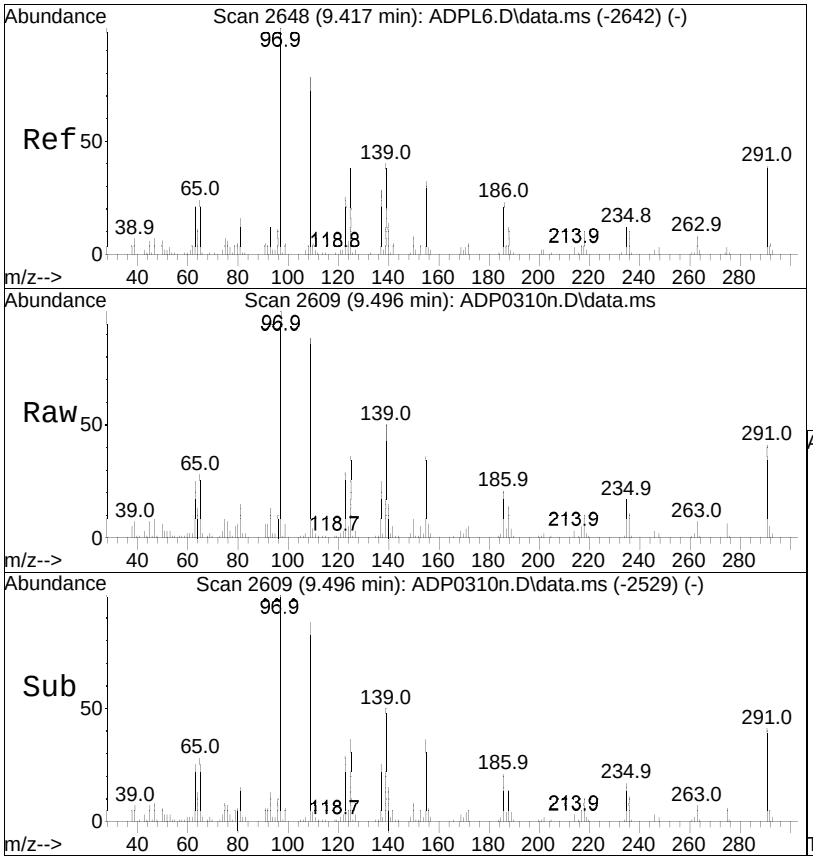


#103
n-Octadecane
Concen: 4.56 ug/ml
RT: 8.703 min Scan# 2354
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion: 57 Resp: 67165

Ion	Ratio	Lower	Upper
57	100		
43	90.7	9.0	13.6#
70	10.8	0.2	0.2#

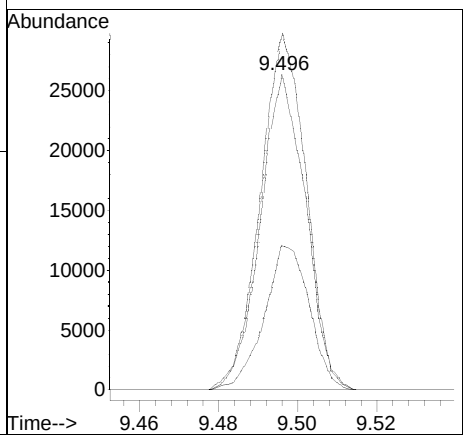


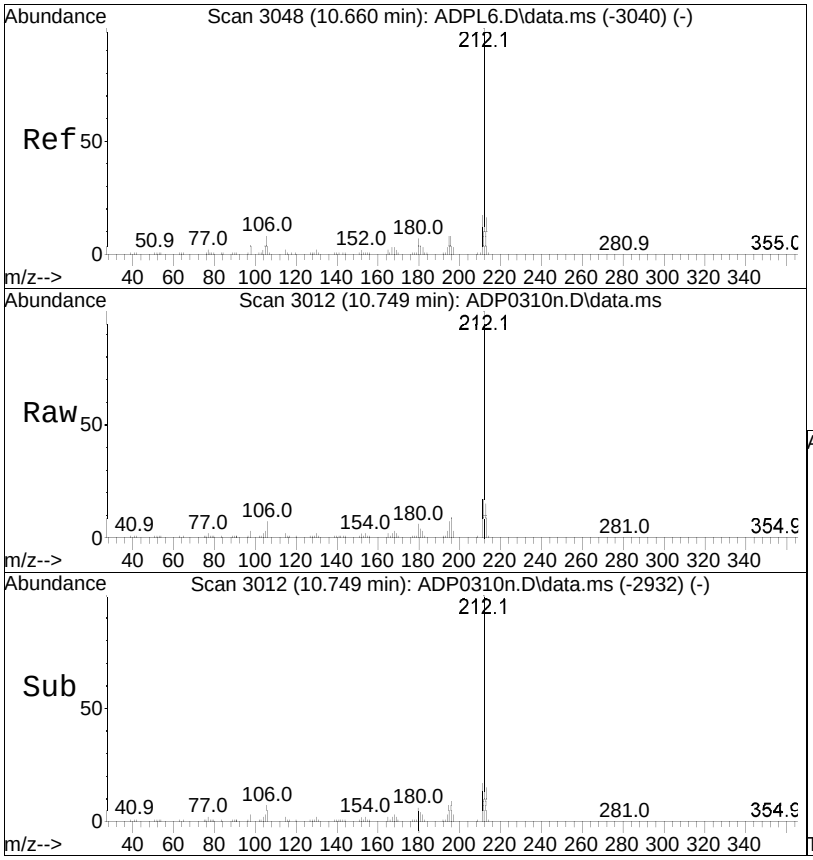


#104
Parathion
Concen: 5.59 ug/ml
RT: 9.496 min Scan# 2609
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion:109 Resp: 20740

Ion	Ratio	Lower	Upper
109	100		
97	114.4	87.4	131.2
291	46.1	34.2	51.2

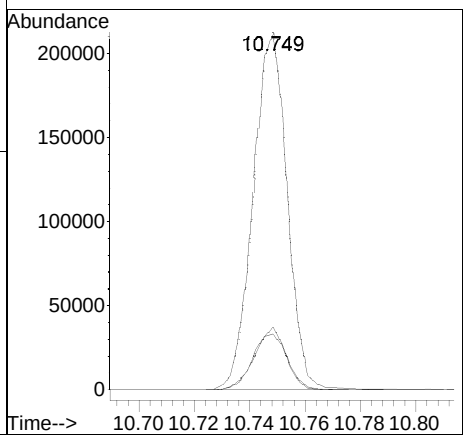




#105
3,3'-Dimethylbenzidine
Concen: 5.42 ug/ml
RT: 10.749 min Scan# 3012
Delta R.T. 0.000 min
Lab File: ADP0310n.D
Acq: 10 Mar 2025 10:15 pm

Tgt Ion:212 Resp: 178670

Ion	Ratio	Lower	Upper
212	100		
211	16.9	12.9	19.3
213	15.7	13.2	19.8



Manual Integration Report

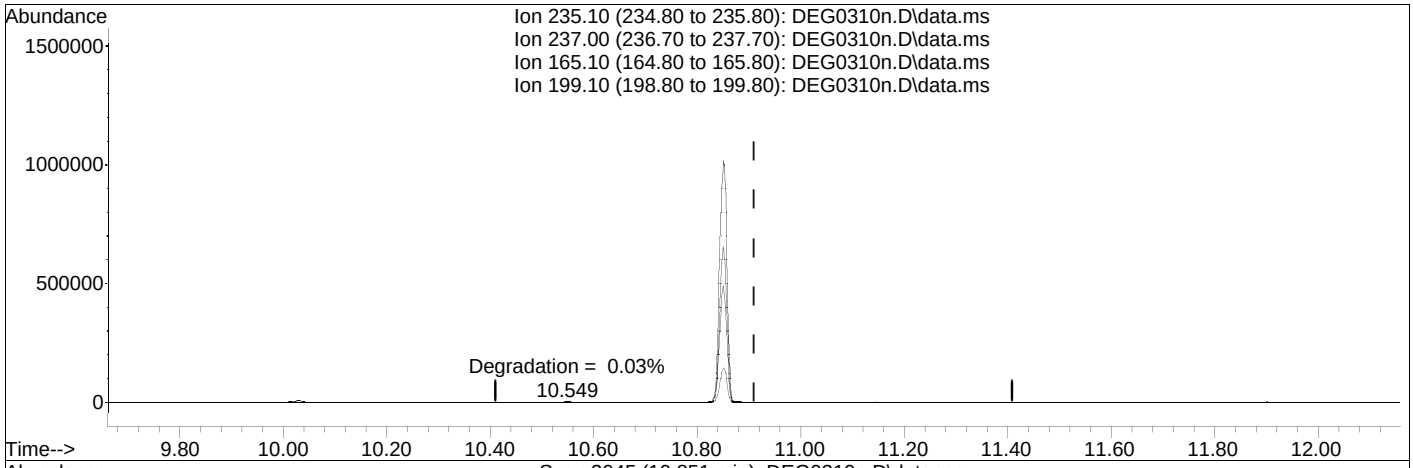
Data Path	: I:\8270\Dakota\250310RVTn\	QMethod	: FS241105RVT_Dakota.m
Data File	: ADP0310n.D	Operator	: Dakota:ljg
Date Inj'd	: 3/10/2025 10:15 pm	Instrument	: Dakota
Sample	: WG2038779-5,32,,ADP 11153	Quant Date	: 3/11/2025 5:08 am

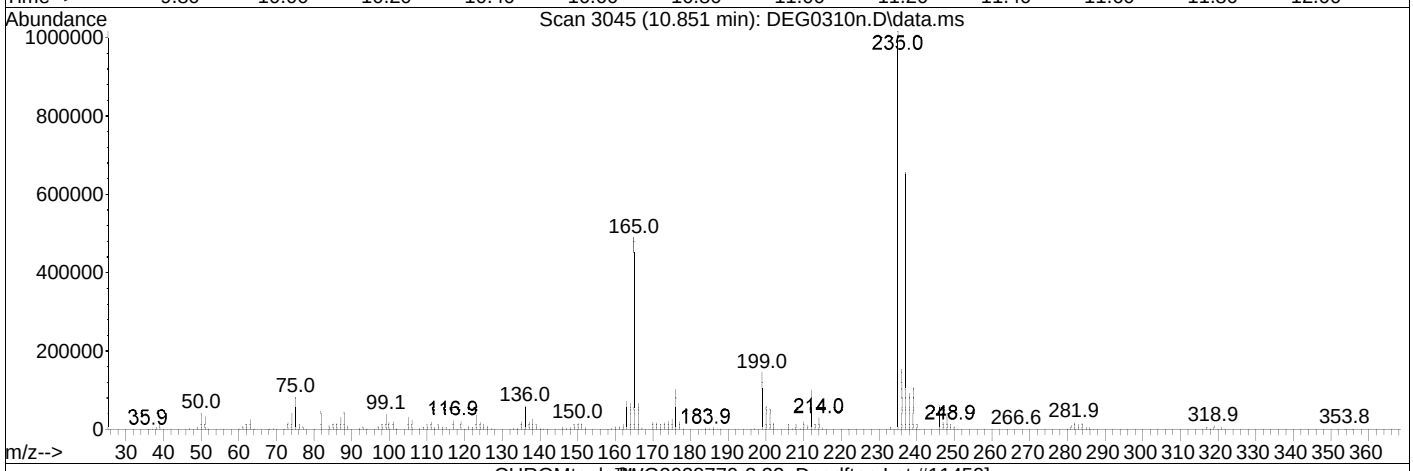
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : DEG0310n.D
Acq On : 10 Mar 2025 8:21 pm
Operator : Dakota:ljg
Sample : WG2038779-2,32,,Degdftpp Lot #11459
Misc : WG2038779,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Mar 10 20:42:07 2025
Quant Method : I:\8270\Dakota\250310RVTn\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 00:17:18 2025
Response via : Initial Calibration





CHROMtools [WG2038779-2,32,,Degdftpp Lot #11459]

(6) DDT (T)

10.851min (-0.059) 152.14

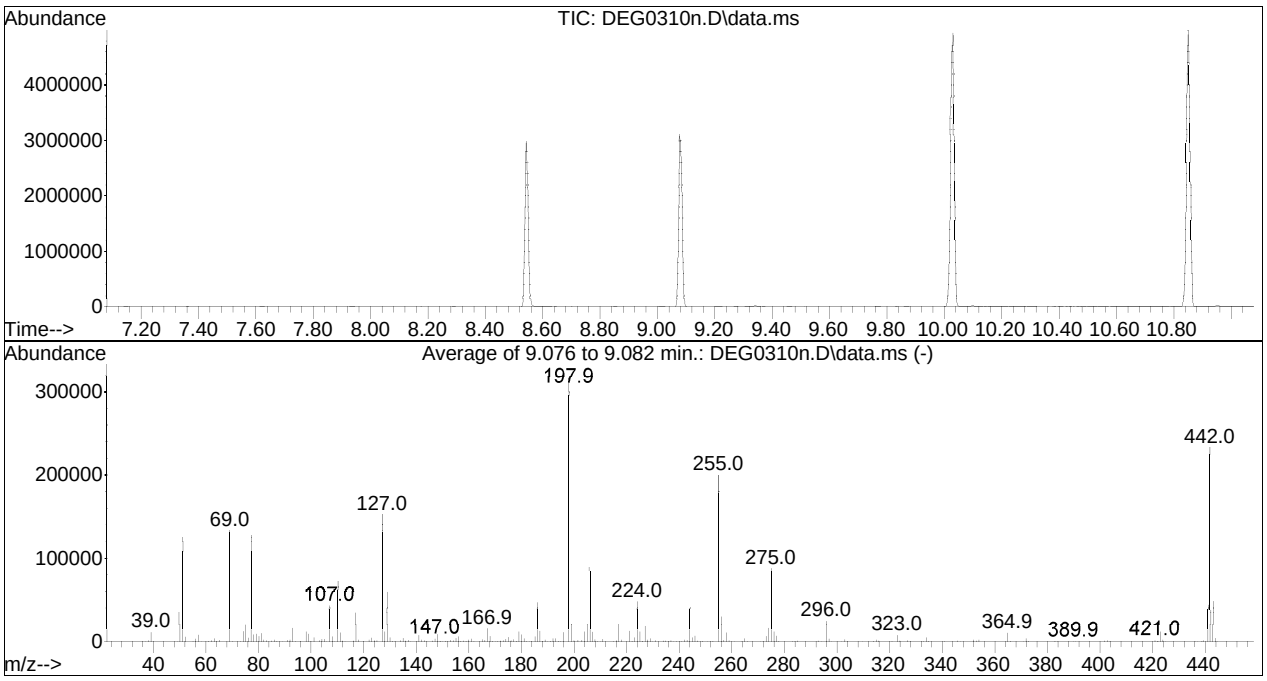
response 927392

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.90	64.32
165.10	48.70	47.54
199.10	15.80	14.24

Data Path : I:\8270\Dakota\250310RVTn\
Data File : DEG0310n.D
Acq On : 10 Mar 2025 8:21 pm
Operator : Dakota:mrg
Sample : WG2038779-1,32,,Degdftpp Lot #11459
Misc : WG2038779,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Mar 07 01:25:09 2025



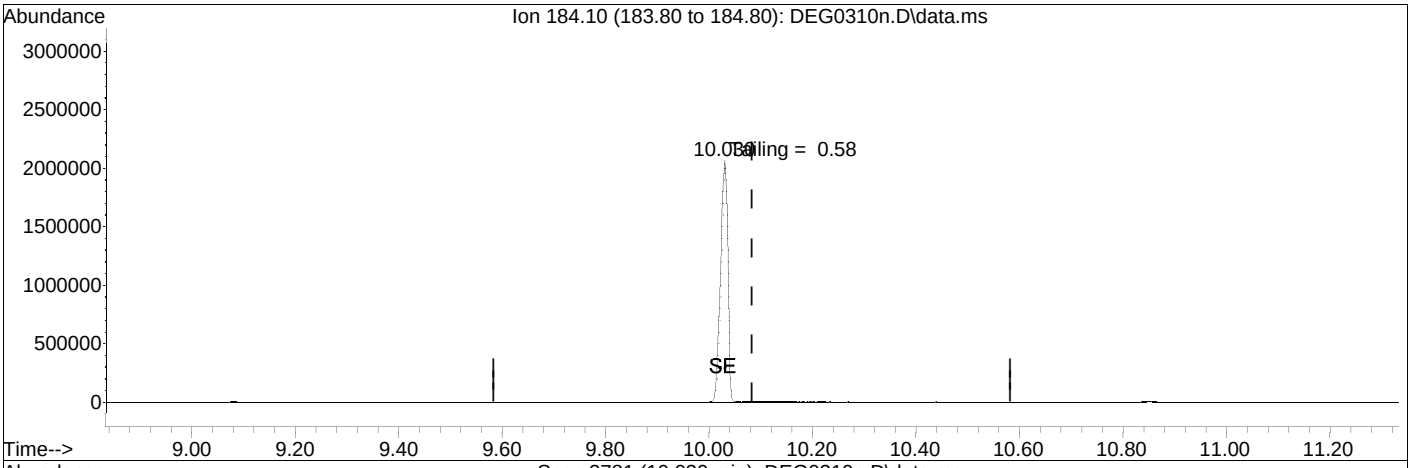
Spectrum Information: Average of 9.076 to 9.082 min.

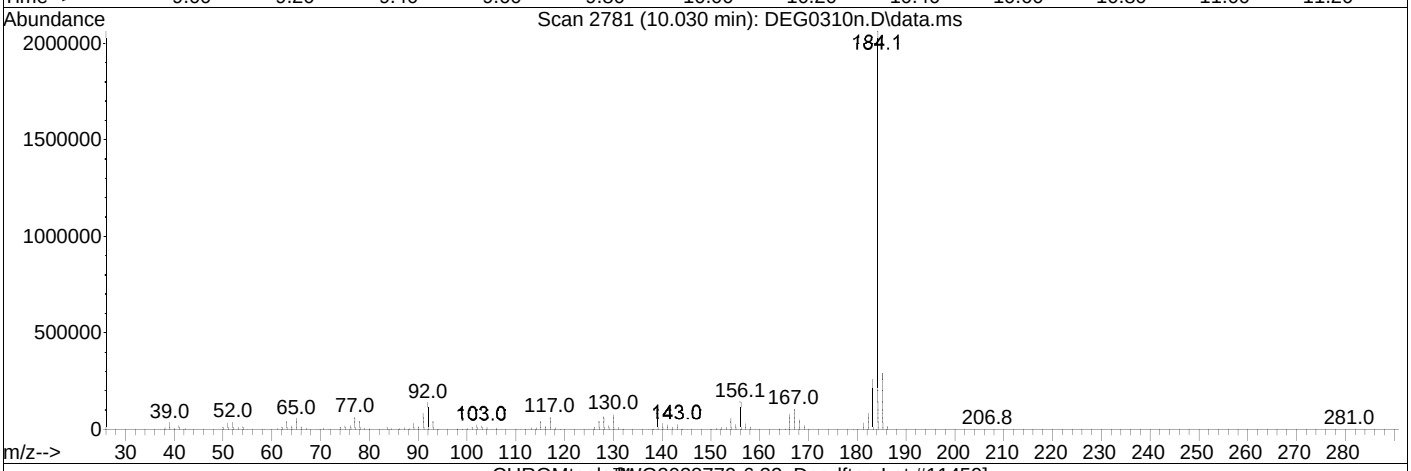
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.4	124789	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	132912	PASS
70	69	0.00	2	0.6	751	PASS
127	198	10	80	48.0	152259	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	317013	PASS
199	198	5	9	6.7	21245	PASS
275	198	10	60	27.4	86941	PASS
365	198	1	100	3.3	10502	PASS
441	442	0.01	24	18.8	43816	PASS
442	198	50	100	73.4	232832	PASS
443	442	15	24	20.7	48125	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : DEG0310n.D
Acq On : 10 Mar 2025 8:21 pm
Operator : Dakota:ljg
Sample : WG2038779-6,32,,Degdftpp Lot #11459
Misc : WG2038779,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Mar 10 20:42:07 2025
Quant Method : I:\8270\Dakota\250310RVTn\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 00:17:18 2025
Response via : Initial Calibration





CHROMtools [WG2038779-6,32,,Degdftpp Lot #11459]

(3) Benzidine (T)

10.030min (-0.053) 182.01

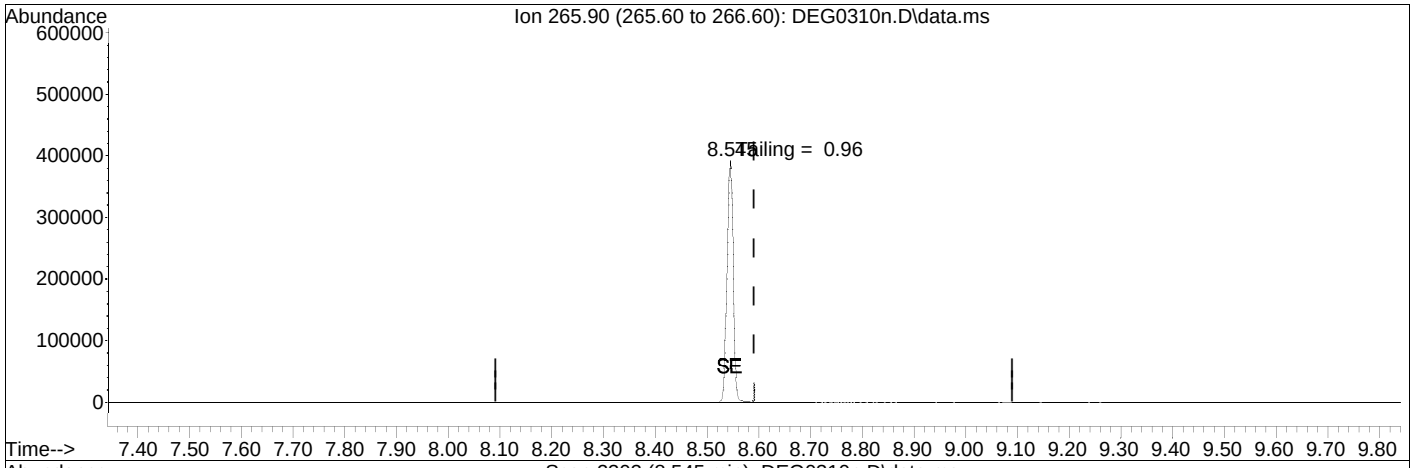
response 1852915

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

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : DEG0310n.D
Acq On : 10 Mar 2025 8:21 pm
Operator : Dakota:ljg
Sample : WG2038779-7,32,,Degdftpp Lot #11459
Misc : WG2038779,,ical21680
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Mar 10 20:42:07 2025
Quant Method : I:\8270\Dakota\250310RVTn\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 00:17:18 2025
Response via : Initial Calibration



CHROMtools [WG2038779-7,32,,Degdftpp Lot #11459]

(1) Pentachlorophenol (T)

8.545min (-0.046) 150.04

response 315138

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

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-1.D
Acq On : 6 Mar 2025 2:23 am
Operator : SV106:smz
Sample : WG2037072-1,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 15:09:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.372	152	52463	4.000	ug/ml		0.00
Standard Area 1 = 73068			Recovery = 71.80%				
27) IS2_1,4-Dichlorobenzen...	6.372	152	52463	4.000	ug/ml		0.00
Standard Area 3 = 68803			Recovery = 76.25%				
32) IS3_1,4-Dichlorobenzen...	6.372	152	52463	4.000	ug/ml		0.00
Standard Area 2 = 71316			Recovery = 73.56%				
35) IS1_Naphthalene-d8	7.807	136	194811	4.000	ug/ml	#	0.00
Standard Area 1 = 265385			Recovery = 73.41%				
55) IS2_Naphthalene-d8	7.807	136	194811	4.000	ug/ml	#	0.00
Standard Area 3 = 246463			Recovery = 79.04%				
63) IS1_Acenaphthene-d10	9.572	164	112180	4.000	ug/ml		0.00
Standard Area 1 = 170121			Recovery = 65.94%				
83) IS2_Acenaphthene-d10	9.572	164	112180	4.000	ug/ml		0.00
Standard Area 3 = 148400			Recovery = 75.59%				
86) IS3_Acenaphthene-d10	9.572	164	112180	4.000	ug/ml		0.00
Standard Area 2 = 154260			Recovery = 72.72%				
88) IS1_Phenanthrene-d10	11.007	188	211106	4.000	ug/ml	#	0.00
Standard Area 1 = 330097			Recovery = 63.95%				
100) IS3_Phenanthrene-d10	11.007	188	211106	4.000	ug/ml	#	0.00
Standard Area 2 = 299241			Recovery = 70.55%				
104) IS1_Chrysene-d12	13.636	240	199842	4.000	ug/ml		0.00
Standard Area 1 = 331360			Recovery = 60.31%				
113) IS1_Perylene-d12	15.101	264	215388	4.000	ug/ml		0.00
Standard Area 1 = 342841			Recovery = 62.82%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.407	112	14658	0.898	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.90%				
7) Phenol-d6	6.007	99	16581	0.844	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.20%				
19) Nitrobenzene-d5	7.036	82	18853	1.057	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 105.70%				
46) 2-Fluorobiphenyl	8.930	172	41457	0.919	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 91.90%				
79) 2,4,6-Tribromophenol	10.336	330	7421	1.169	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 58.45%				

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-1.D
Acq On : 6 Mar 2025 2:23 am
Operator : SV106:smz
Sample : WG2037072-1,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 15:09:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.589	244	56796	1.002	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 100.20%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
28) Benzaldehyde	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	d
53) 2,6-Dinitrotoluene	0.000	0	N.D.	d
60) Caprolactam	0.000	0	N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
62) Biphenyl	0.000	0	N.D.	
64) 3-Nitroaniline	0.000	0	N.D.	
66) 2,4-Dinitrophenol	0.000	0	N.D.	
67) Dibenzofuran	0.000	0	N.D.	
68) 2,4-Dinitrotoluene	0.000	0	N.D.	d
69) 4-Nitrophenol	0.000	0	N.D.	
72) Diethyl phthalate	0.000	0	N.D.	
74) 4-Chlorophenyl phenyl ...	0.000	0	N.D.	
75) 4-Nitroaniline	0.000	0	N.D.	

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-1.D
Acq On : 6 Mar 2025 2:23 am
Operator : SV106:smz
Sample : WG2037072-1,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 15:09:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D. d		
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.760	149	6536	0.158	ug/ml#	89
109) Di-n-octylphthalate	0.000		0	N.D. d		

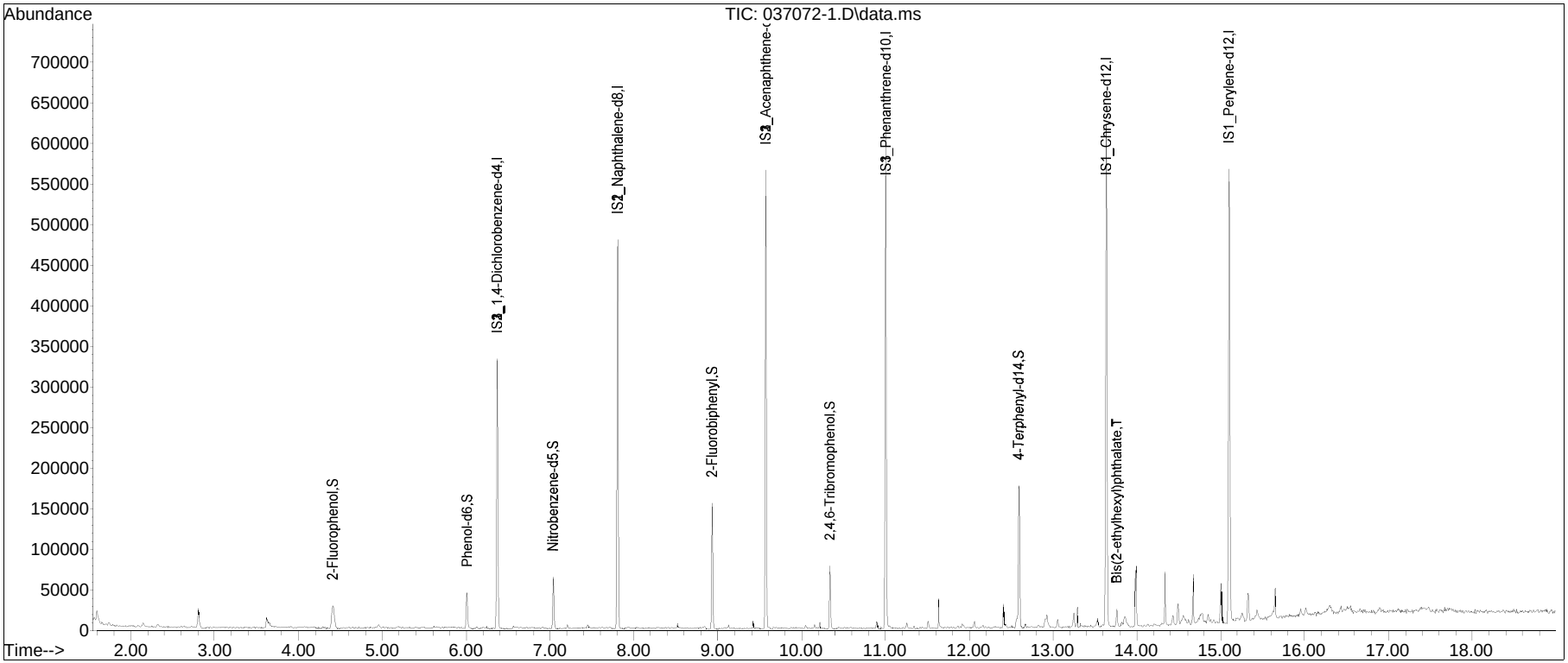
(#) = qualifier out of range (m) = manual integration (+) = signals summed

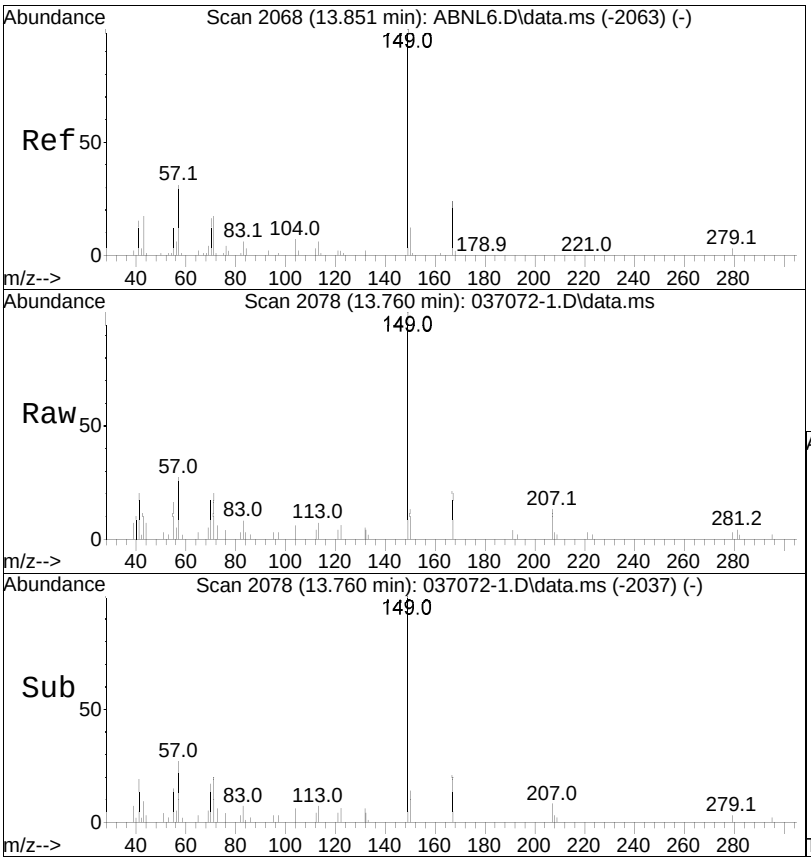
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-1.D
Acq On : 6 Mar 2025 2:23 am
Operator : SV106:smz
Sample : WG2037072-1,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 06 15:09:47 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90305n.D•

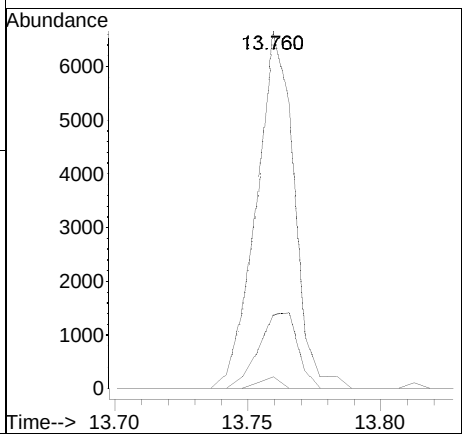




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.16 ug/ml
RT: 13.760 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 037072-1.D
Acq: 6 Mar 2025 2:23 am

Tgt Ion:149 Resp: 6536

Ion	Ratio	Lower	Upper
149	100		
167	21.9	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250305NRVT\	QMethod	: FS241009SV106.m
Data File	: 037072-1.D	Operator	: SV106:smz
Date Inj'd	: 3/6/2025 2:23 am	Instrument	: SV 106
Sample	: WG2037072-1,32,,ASK	Quant Date	: 3/6/2025 2:42 am

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

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-1.D
Acq On : 10 Mar 2025 10:37 pm
Operator : Dakota:ljg
Sample : WG2038540-1,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 08:45:22 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.340	152	27184	4.000	ug/ml	0.00
Standard Area 1 = 27477			Recovery = 98.93%			
27) IS2_1,4-Dichlorobenzen...	4.340	152	27184	4.000	ug/ml	0.00
Standard Area 3 = 31522			Recovery = 86.24%			
32) IS3_1,4-Dichlorobenzen...	4.340	152	27184	4.000	ug/ml	0.00
Standard Area 2 = 28785			Recovery = 94.44%			
37) IS1_Naphthalene-d8	5.580	136	94866	4.000	ug/ml	0.00
Standard Area 1 = 102381			Recovery = 92.66%			
57) IS2_Naphthalene-d8	5.580	136	94866	4.000	ug/ml	0.00
Standard Area 3 = 117255			Recovery = 80.91%			
65) IS1_Acenaphthene-d10	7.277	164	62891	4.000	ug/ml	0.00
Standard Area 1 = 74281			Recovery = 84.67%			
85) IS2_Acenaphthene-d10	7.277	164	62891	4.000	ug/ml	0.00
Standard Area 3 = 80847			Recovery = 77.79%			
88) IS3_Acenaphthene-d10	7.277	164	62891	4.000	ug/ml	0.00
Standard Area 2 = 72248			Recovery = 87.05%			
90) IS1_Phenanthrene-d10	8.694	188	149190	4.000	ug/ml	0.00
Standard Area 1 = 169879			Recovery = 87.82%			
102) IS3_Phenanthrene-d10	8.694	188	149190	4.000	ug/ml	0.00
Standard Area 2 = 176444			Recovery = 84.55%			
106) IS1_Chrysene-d12	11.277	240	187198	4.000	ug/ml	0.00
Standard Area 1 = 213117			Recovery = 87.84%			
115) IS1_Perylene-d12	12.707	264	229367	4.000	ug/ml	0.00
Standard Area 1 = 251655			Recovery = 91.14%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.087	112	6363	0.910	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.50%			
7) Phenol-d6	4.078	99	5658	0.632	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.60%			
19) Nitrobenzene-d5	4.896	82	5131	0.632	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.20%			
48) 2-Fluorobiphenyl	6.652	172	16082	0.685	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.50%			
81) 2,4,6-Tribromophenol	8.041	330	5165	1.149	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 57.45%			

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-1.D
Acq On : 10 Mar 2025 10:37 pm
Operator : Dakota:ljg
Sample : WG2038540-1,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 08:45:22 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.264	244	33363	0.773	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 77.30%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
28) Benzaldehyde	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
40) 4-Chloroaniline	0.000	0	N.D.	
42) p-Chloro-m-cresol	0.000	0	N.D.	
45) Hexachlorocyclopentadiene	0.000	0	N.D.	
46) 2,4,6-Trichlorophenol	0.000	0	N.D.	
47) 2,4,5-Trichlorophenol	0.000	0	N.D.	
50) 2-Nitroaniline	0.000	0	N.D.	
53) Dimethyl phthalate	0.000	0	N.D.	d
55) 2,6-Dinitrotoluene	0.000	0	N.D.	d
62) Caprolactam	0.000	0	N.D.	
63) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
64) Biphenyl	0.000	0	N.D.	
66) 3-Nitroaniline	0.000	0	N.D.	
68) 2,4-Dinitrophenol	0.000	0	N.D.	
69) Dibenzofuran	0.000	0	N.D.	
70) 2,4-Dinitrotoluene	0.000	0	N.D.	d
71) 4-Nitrophenol	0.000	0	N.D.	
74) Diethyl phthalate	0.000	0	N.D.	
76) 4-Chlorophenyl phenyl ...	0.000	0	N.D.	
77) 4-Nitroaniline	0.000	0	N.D.	

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-1.D
Acq On : 10 Mar 2025 10:37 pm
Operator : Dakota:ljg
Sample : WG2038540-1,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 08:45:22 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
79)	NDPA/DPA	0.000		0	N.D.		
82)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
89)	Atrazine	0.000		0	N.D.		
93)	Carbazole	0.000		0	N.D.		
94)	Di-n-butylphthalate	0.000		0	N.D.		
99)	Butyl benzyl phthalate	0.000		0	N.D.		
108)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
110)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
111)	Di-n-octylphthalate	0.000		0	N.D.	d	

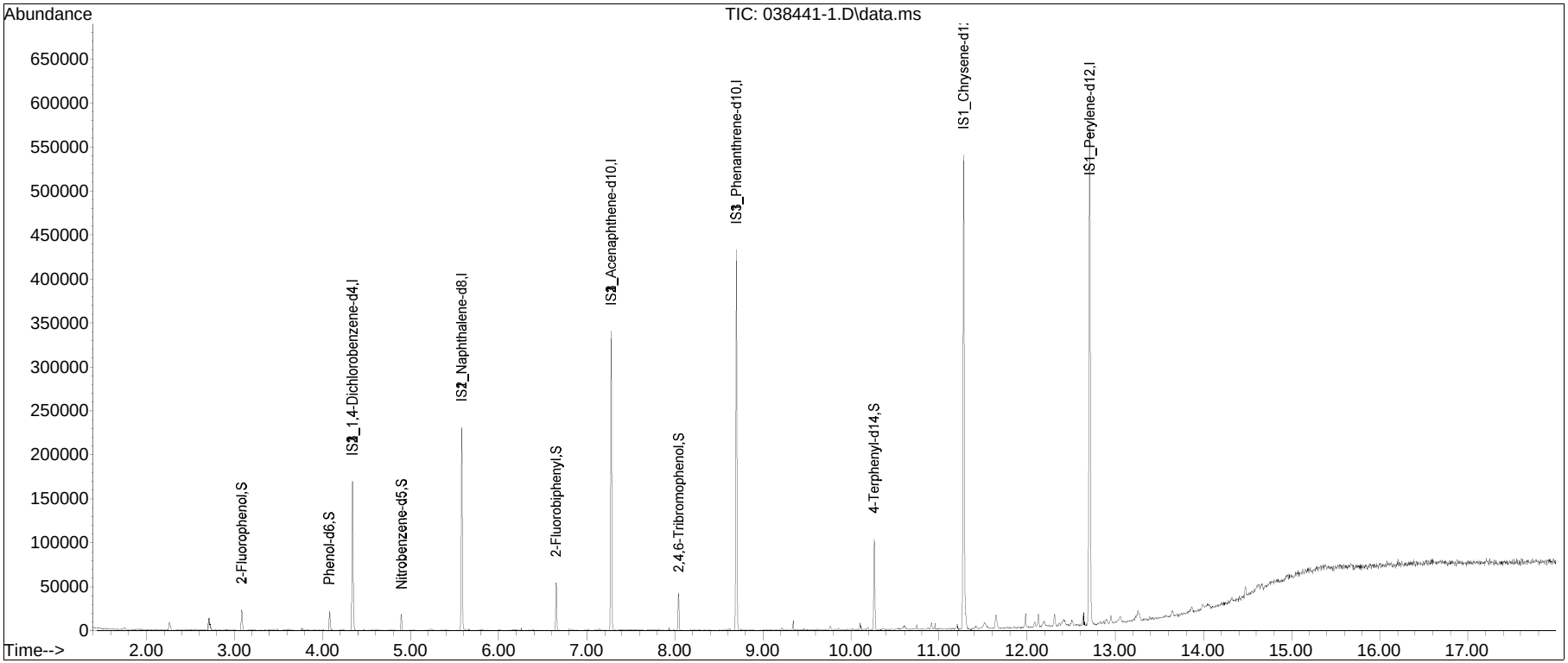
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-1.D
Acq On : 10 Mar 2025 10:37 pm
Operator : Dakota:ljg
Sample : WG2038540-1,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 11 08:45:22 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA0RVTn\AP90310n.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\250310RVTn\	QMethod	: FS241105RVT_Dakota.m
Data File	: 038441-1.D	Operator	: Dakota:ljg
Date Inj'd	: 3/10/2025 10:37 pm	Instrument	: Dakota
Sample	: WG2038540-1,32,,mrg	Quant Date	: 3/11/2025 7:26 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-2.D
Acq On : 6 Mar 2025 2:47 am
Operator : SV106:smz
Sample : WG2037072-2,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 15:10:27 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.372	152	56981	4.000	ug/ml		0.00
Standard Area 1 = 73068			Recovery = 77.98%				
27) IS2_1,4-Dichlorobenzen...	6.372	152	56981	4.000	ug/ml		0.00
Standard Area 3 = 68803			Recovery = 82.82%				
32) IS3_1,4-Dichlorobenzen...	6.372	152	56981	4.000	ug/ml		0.00
Standard Area 2 = 71316			Recovery = 79.90%				
35) IS1_Naphthalene-d8	7.807	136	210435	4.000	ug/ml	#	0.00
Standard Area 1 = 265385			Recovery = 79.29%				
55) IS2_Naphthalene-d8	7.807	136	210435	4.000	ug/ml	#	0.00
Standard Area 3 = 246463			Recovery = 85.38%				
63) IS1_Acenaphthene-d10	9.572	164	124994	4.000	ug/ml		0.00
Standard Area 1 = 170121			Recovery = 73.47%				
83) IS2_Acenaphthene-d10	9.572	164	124994	4.000	ug/ml		0.00
Standard Area 3 = 148400			Recovery = 84.23%				
86) IS3_Acenaphthene-d10	9.572	164	124994	4.000	ug/ml		0.00
Standard Area 2 = 154260			Recovery = 81.03%				
88) IS1_Phenanthrene-d10	11.007	188	235789	4.000	ug/ml	#	0.00
Standard Area 1 = 330097			Recovery = 71.43%				
100) IS3_Phenanthrene-d10	11.007	188	235789	4.000	ug/ml	#	0.00
Standard Area 2 = 299241			Recovery = 78.80%				
104) IS1_Chrysene-d12	13.642	240	227798	4.000	ug/ml		0.00
Standard Area 1 = 331360			Recovery = 68.75%				
113) IS1_Perylene-d12	15.106	264	251935	4.000	ug/ml		0.00
Standard Area 1 = 342841			Recovery = 73.48%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.407	112	19412	1.095	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.75%				
7) Phenol-d6	6.001	99	19976	0.936	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.80%				
19) Nitrobenzene-d5	7.036	82	18806	0.971	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.10%				
46) 2-Fluorobiphenyl	8.930	172	40113	0.824	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.40%				
79) 2,4,6-Tribromophenol	10.342	330	12532	1.772	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 88.60%				

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-2.D
Acq On : 6 Mar 2025 2:47 am
Operator : SV106:smz
Sample : WG2037072-2,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 15:10:27 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.595	244	55084	0.870	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.00%			
Target Compounds						Qvalue
6) 2-Chlorophenol	6.107	128	33220	1.708	ug/ml	97
8) Phenol	6.019	94	21817	0.985	ug/ml	93
14) Bis(2-chloroisopropyl)...	6.772	45	45723	1.594	ug/ml#	48
15) 2-Methylphenol	6.760	108	28915	1.807	ug/ml	99
17) n-Nitrosodi-n-propylamine	6.913	70	27901	2.083	ug/ml#	92
18) 3-Methylphenol/4-Methy...	6.948	108	30619	1.754	ug/ml	97
20) Nitrobenzene	7.054	77	40116	2.028	ug/ml	96
21) Isophorone	7.342	82	72807	2.115	ug/ml	94
22) 2-Nitrophenol	7.419	139	17416	1.716	ug/ml#	92
23) 2,4-Dimethylphenol	7.519	107	36038	2.262	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.613	93	48292	2.100	ug/ml#	97
25) 2,4-Dichlorophenol	7.683	162	31848	1.789	ug/ml	94
28) Benzaldehyde	5.789	105	31668	2.346	ug/ml	99
29) Acetophenone	6.878	105	56766	2.179	ug/ml#	80
38) 4-Chloroaniline	7.913	65	14088	2.114	ug/ml	74
40) p-Chloro-m-cresol	8.442	107	32997	2.117	ug/ml	98
43) Hexachlorocyclopentadiene	8.725	237	15087	1.095	ug/ml#	98
44) 2,4,6-Trichlorophenol	8.848	196	25154	1.737	ug/ml	98
45) 2,4,5-Trichlorophenol	8.877	196	28075	1.873	ug/ml	99
48) 2-Nitroaniline	9.142	138	22141	1.885	ug/ml	93
51) Dimethyl phthalate	9.348	163	92454	1.922	ug/ml#	98
53) 2,6-Dinitrotoluene	9.389	165	18583	1.900	ug/ml#	88
60) Caprolactam	8.236	55	5509	0.714	ug/ml#	50
61) 1,2,4,5-Tetrachloroben...	8.719	216	32193	1.523	ug/ml	93
62) Biphenyl	9.024	154	85648	1.795	ug/ml	99
64) 3-Nitroaniline	9.542	138	19612	1.943	ug/ml	97
66) 2,4-Dinitrophenol	9.648	184	8127	2.214	ug/ml	93
67) Dibenzofuran	9.771	168	103171	1.764	ug/ml	99
68) 2,4-Dinitrotoluene	9.777	165	26951	2.058	ug/ml	98
69) 4-Nitrophenol	9.730	65	9349	1.252	ug/ml#	85
72) Diethyl phthalate	10.042	149	94696	1.996	ug/ml	98
74) 4-Chlorophenyl phenyl ...	10.124	204	40200	1.715	ug/ml	94
75) 4-Nitroaniline	10.130	138	20977	2.042	ug/ml#	83

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-2.D
Acq On : 6 Mar 2025 2:47 am
Operator : SV106:smz
Sample : WG2037072-2,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 15:10:27 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
76) 4,6-Dinitro-o-cresol	10.166	198	14978	1.917 ug/ml#	65
77) NDPA/DPA	10.242	169	71735	1.820 ug/ml	98
80) 4-Bromophenyl phenyl e...	10.595	248	25662	1.767 ug/ml#	85
87) Atrazine	10.783	200	24933	1.923 ug/ml	95
91) Carbazole	11.248	167	126032	2.029 ug/ml	98
92) Di-n-butylphthalate	11.648	149	154002	1.981 ug/ml	99
97) Butyl benzyl phthalate	13.124	149	65529	2.005 ug/ml	93
106) 3,3'-Dichlorobenzidine	13.636	252	51150	1.982 ug/ml#	97
108) Bis(2-ethylhexyl)phtha...	13.759	149	102515	2.174 ug/ml#	93
109) Di-n-octylphthalate	14.442	149	169808	2.171 ug/ml#	73

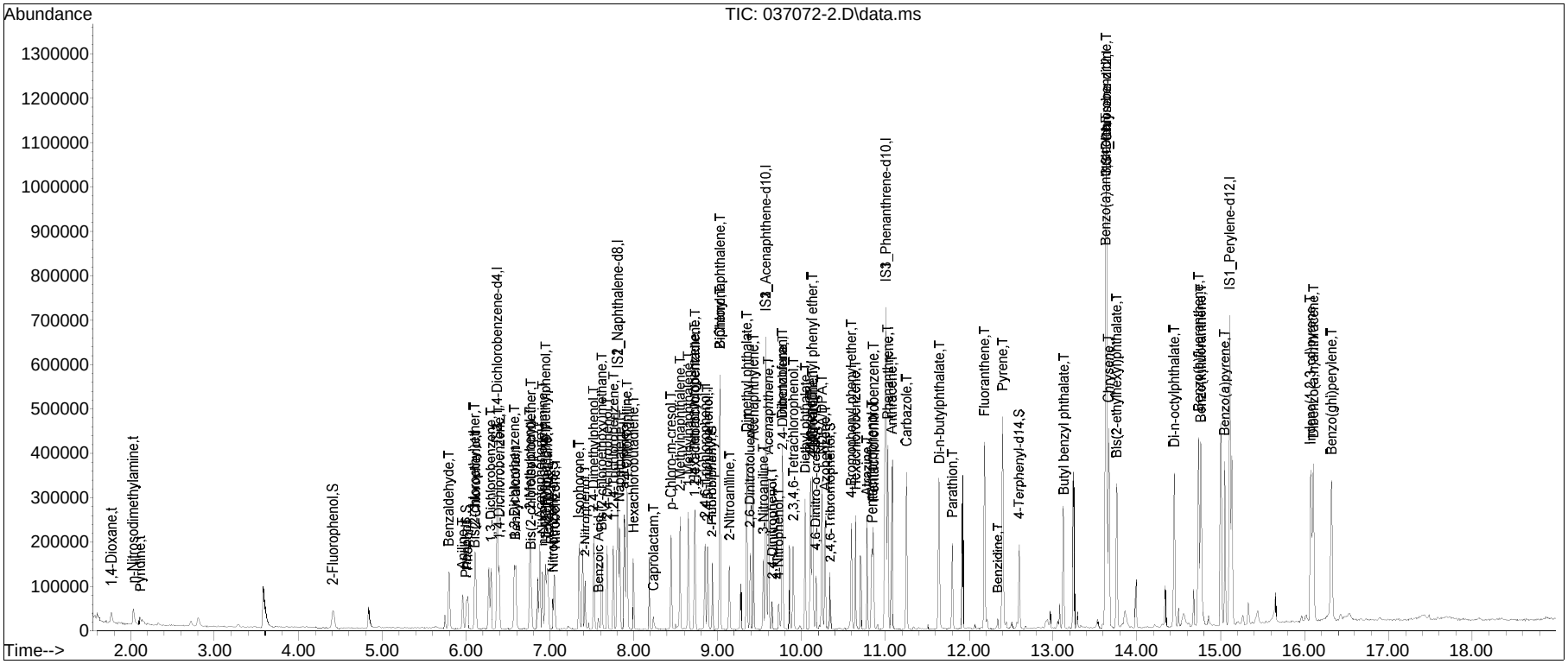
(#) = qualifier out of range (m) = manual integration (+) = signals summed

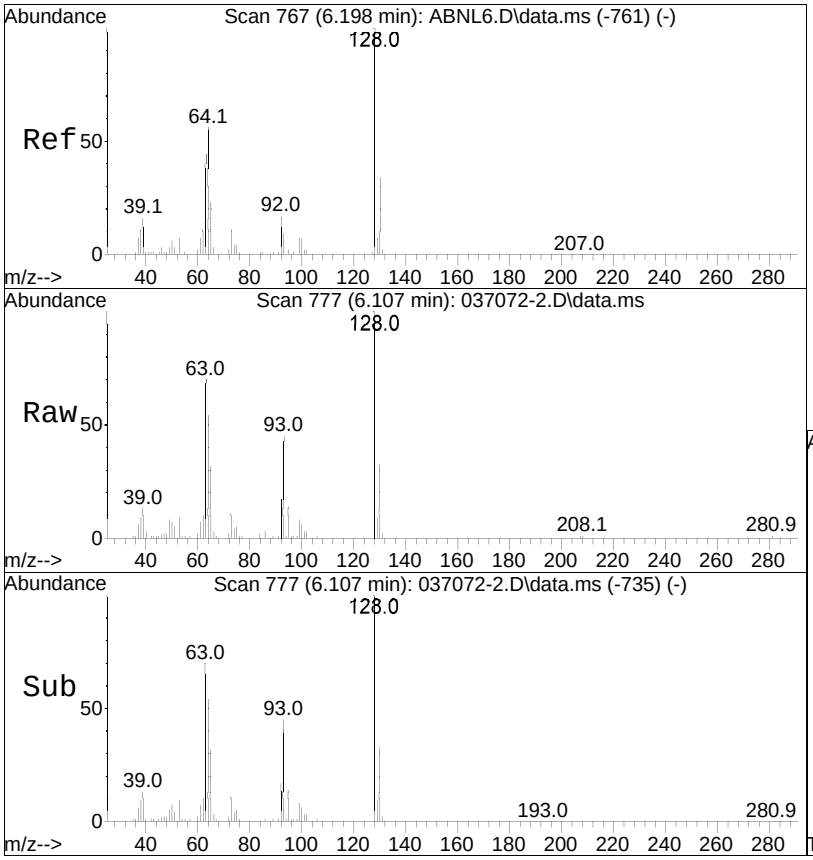
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-2.D
Acq On : 6 Mar 2025 2:47 am
Operator : SV106:smz
Sample : WG2037072-2,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 15:10:27 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90305n.D•

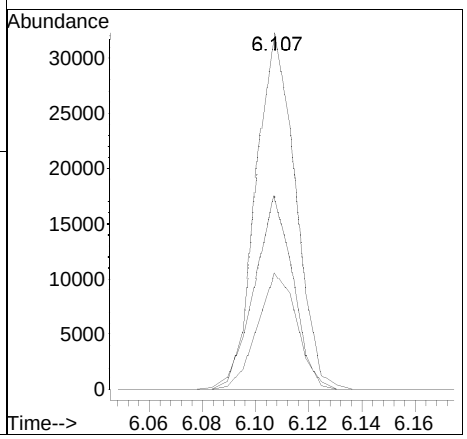


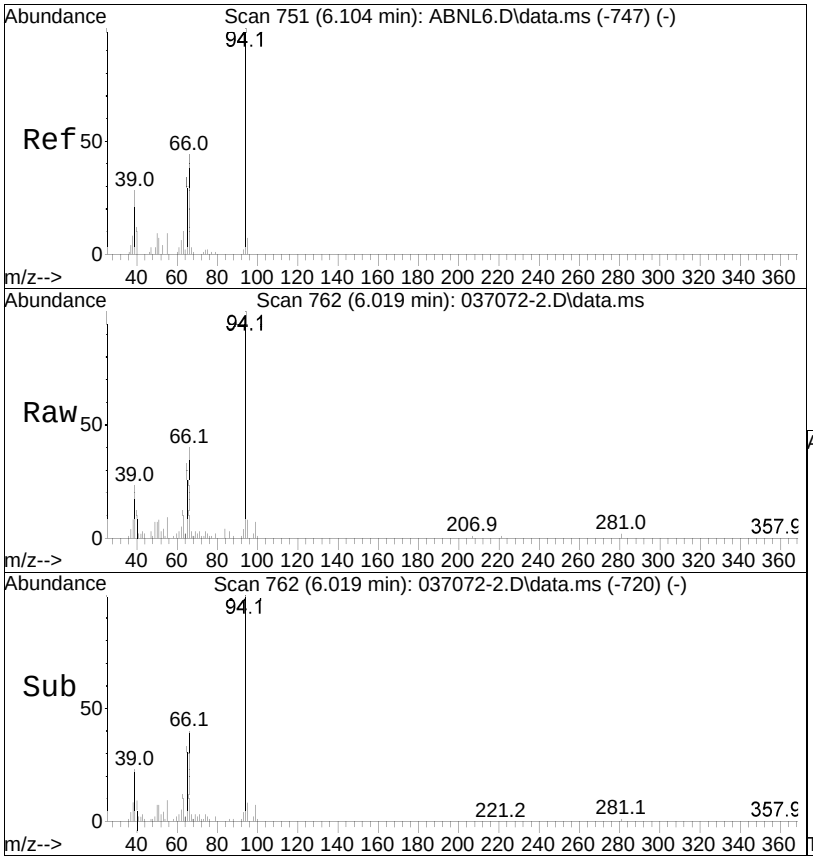


#6
2-Chlorophenol
Concen: 1.71 ug/ml
RT: 6.107 min Scan# 777
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:128 Resp: 33220

Ion	Ratio	Lower	Upper
128	100		
64	53.2	45.1	67.7
130	33.0	26.2	39.4

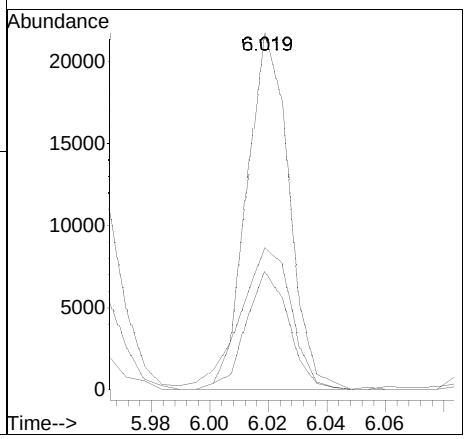


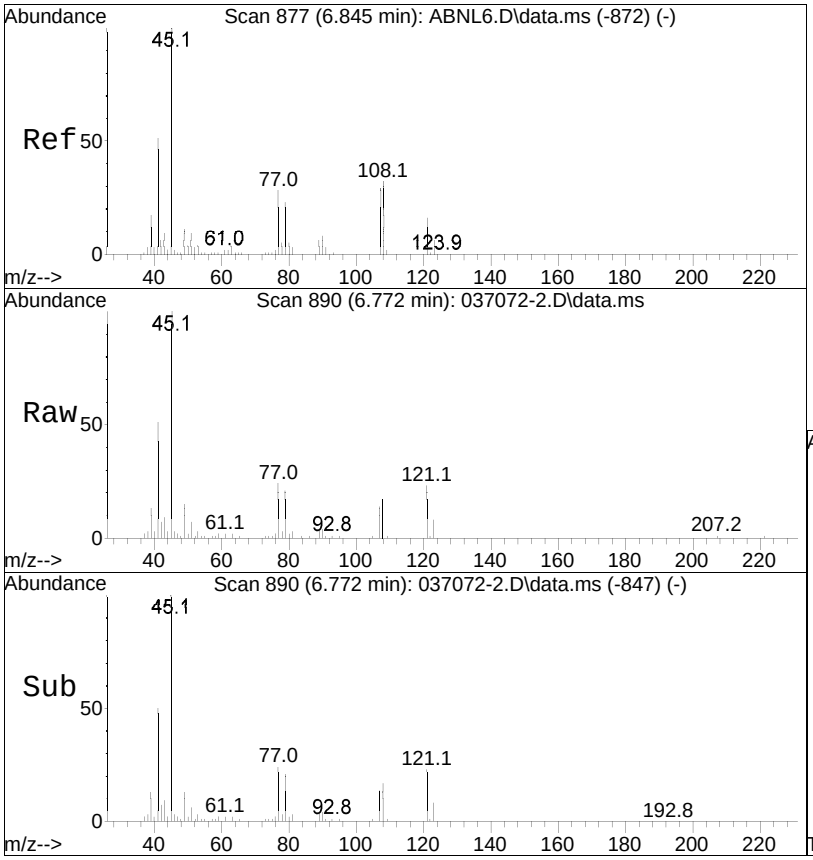


#8
Phenol
Concen: 0.99 ug/ml
RT: 6.019 min Scan# 762
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 94 Resp: 21817

Ion	Ratio	Lower	Upper
94	100		
65	33.7	26.0	39.0
66	48.7	33.8	50.8

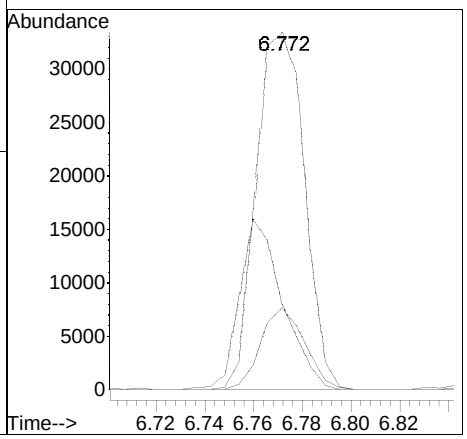


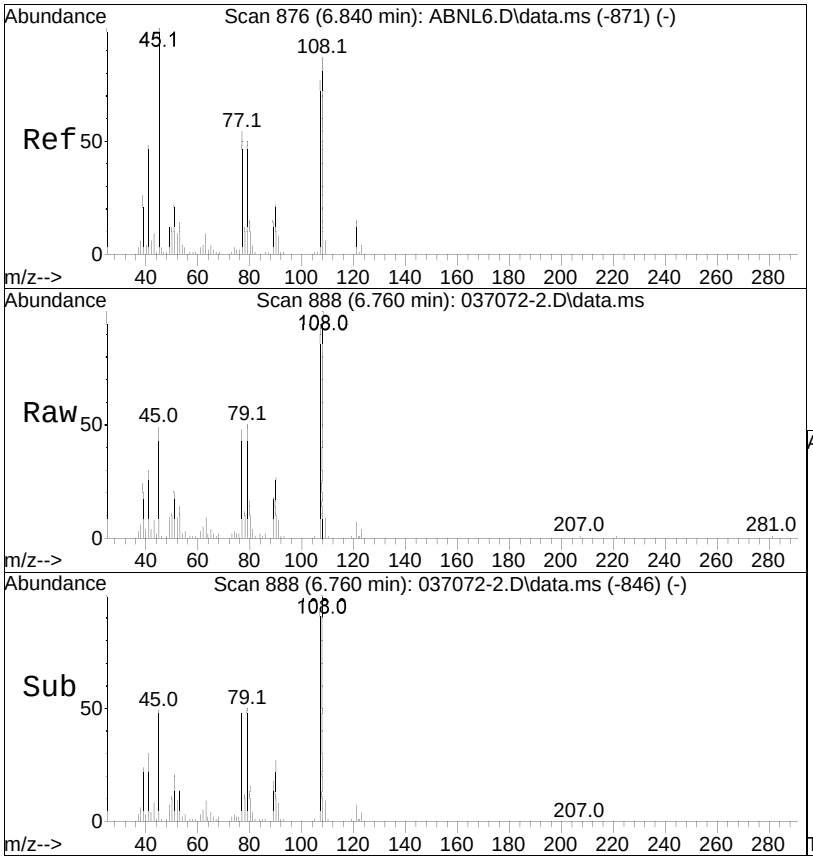


#14
Bis(2-chloroisopropyl)ether
Concen: 1.59 ug/ml
RT: 6.772 min Scan# 890
Delta R.T. 0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 45 Resp: 45723

Ion	Ratio	Lower	Upper
45	100		
121	20.9	9.8	14.6#
77	42.8	6.1	9.1#

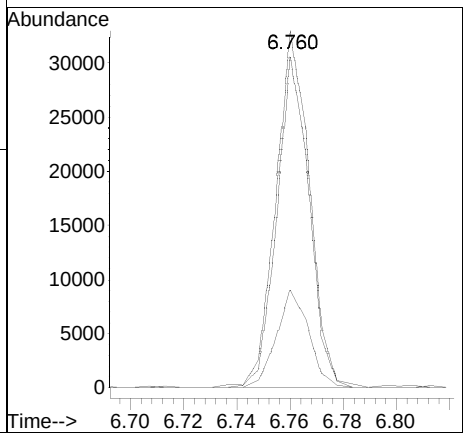


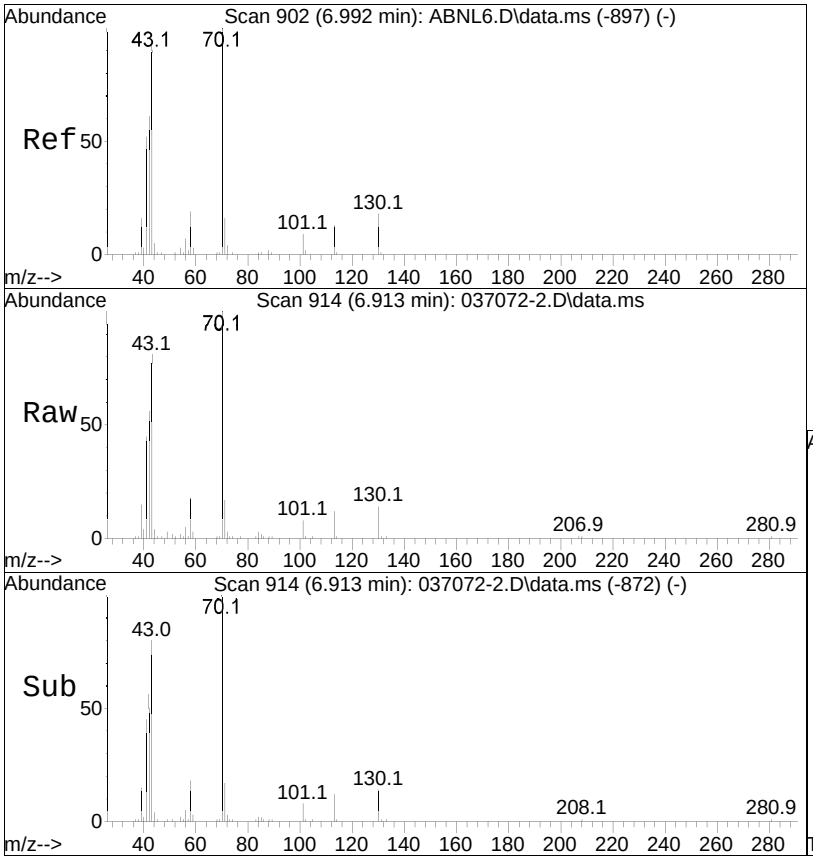


#15
2-Methylphenol
Concen: 1.81 ug/ml
RT: 6.760 min Scan# 888
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:108 Resp: 28915

Ion	Ratio	Lower	Upper
108	100		
107	88.6	70.7	106.1
90	26.3	18.7	28.1

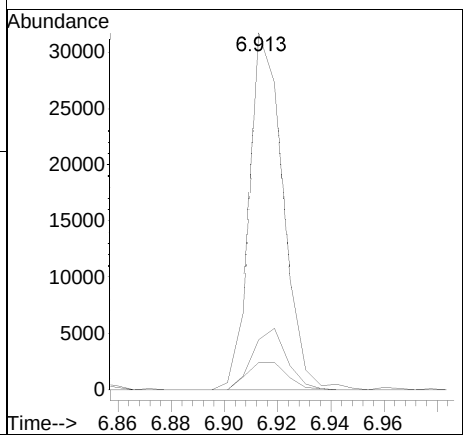


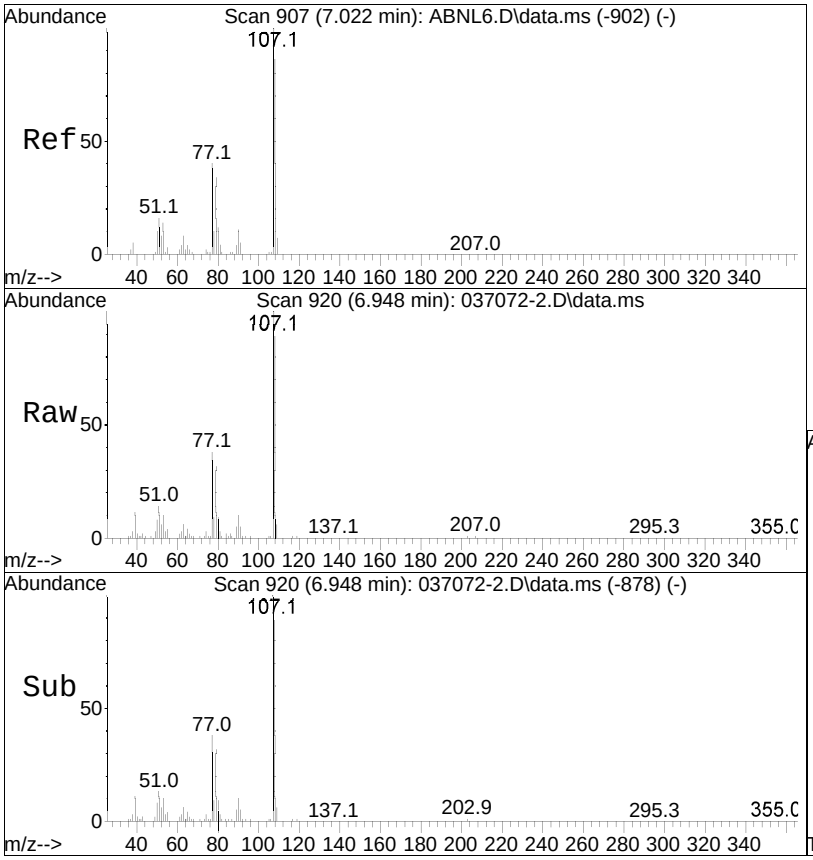


#17
n-Nitrosodi-n-propylamine
Concen: 2.08 ug/ml
RT: 6.913 min Scan# 914
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 70 Resp: 27901

Ion	Ratio	Lower	Upper
70	100		
130	17.5	18.2	27.4#
101	9.3	7.8	11.8

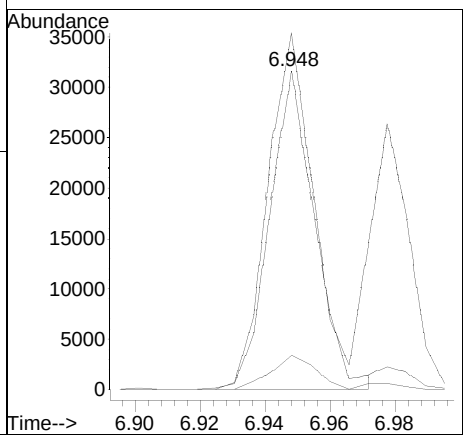


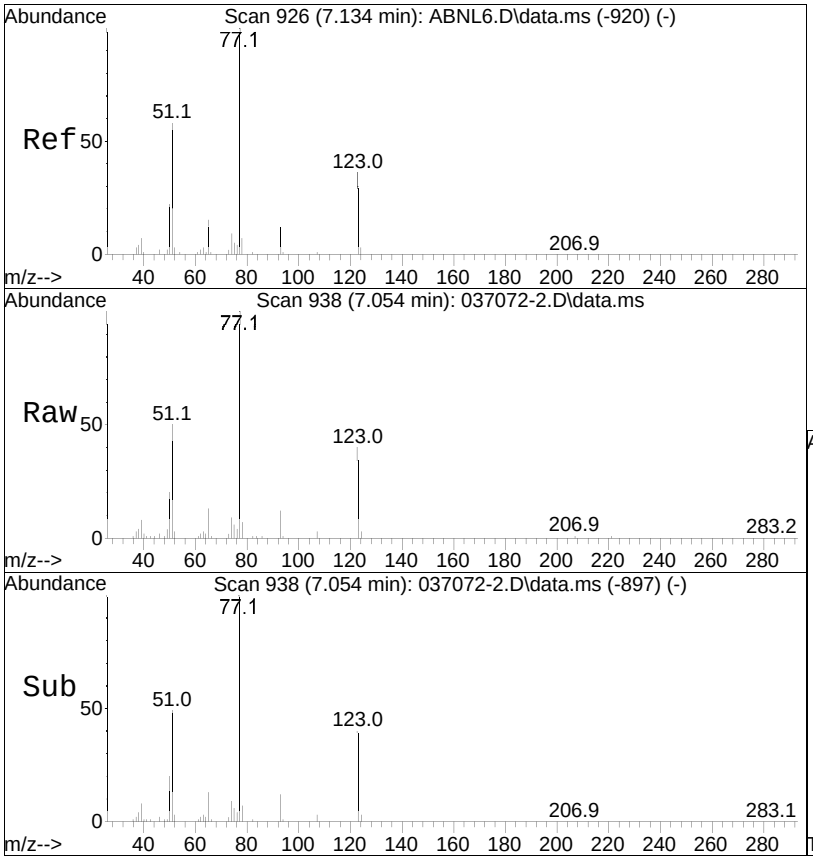


#18
3-Methylphenol/4-Methylphenol
Concen: 1.75 ug/ml
RT: 6.948 min Scan# 920
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:108 Resp: 30619

Ion	Ratio	Lower	Upper
108	100		
107	113.6	88.6	132.8
90	10.6	8.8	13.2

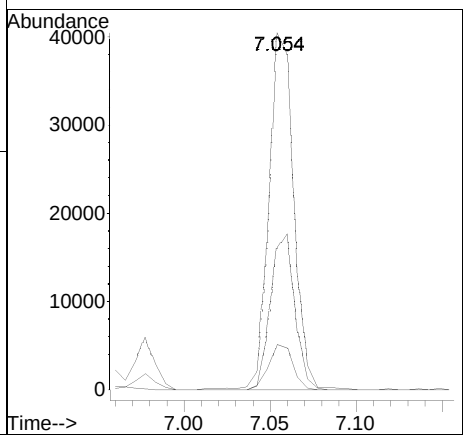


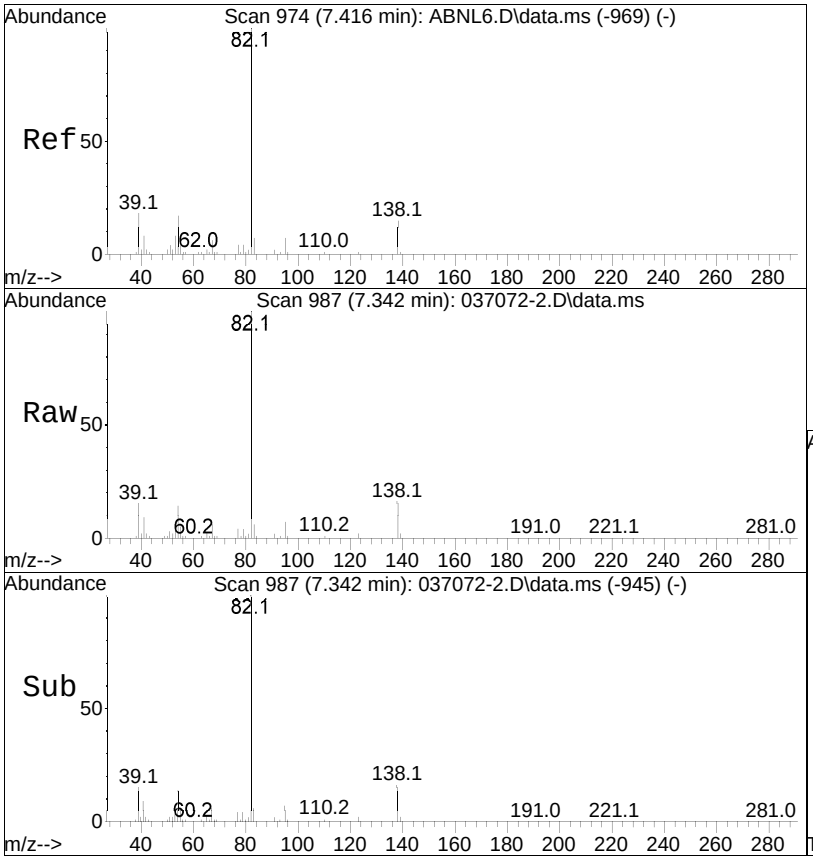


#20
Nitrobenzene
Concen: 2.03 ug/ml
RT: 7.054 min Scan# 938
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 77 Resp: 40116

Ion	Ratio	Lower	Upper
77	100		
123	42.7	36.3	54.5
65	12.6	11.6	17.4

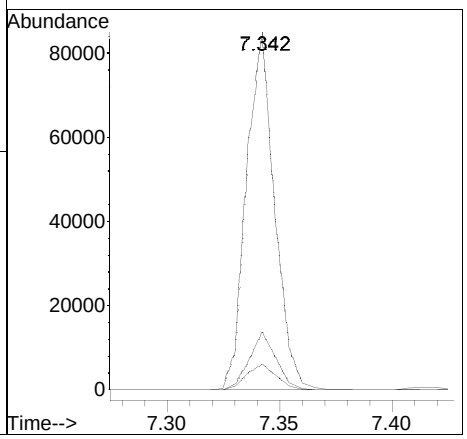


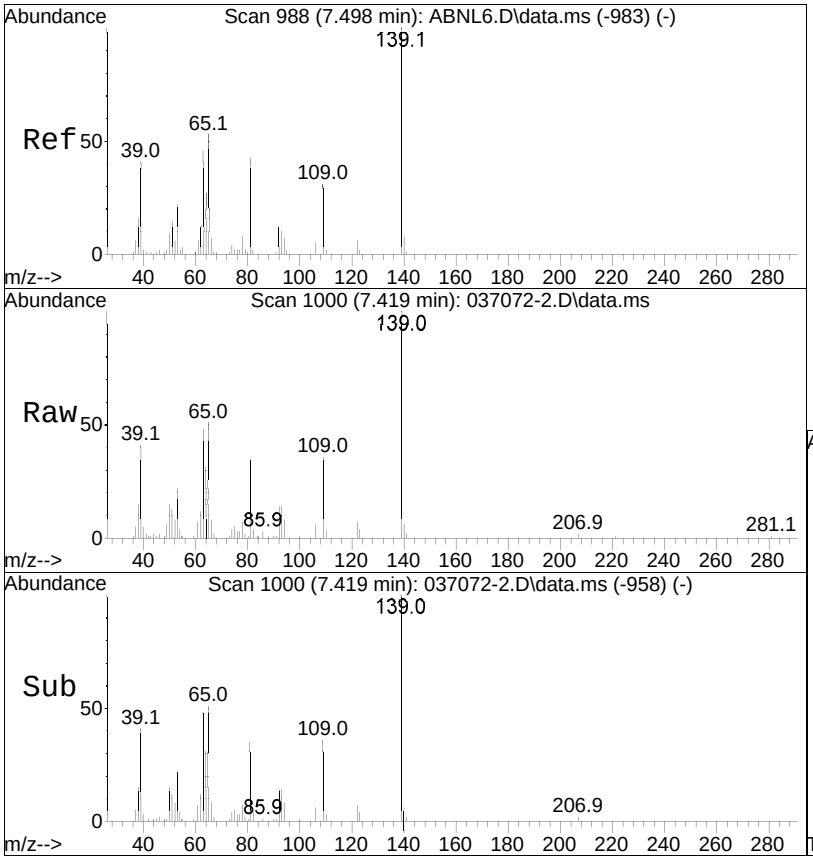


#21
Isophorone
Concen: 2.12 ug/ml
RT: 7.342 min Scan# 987
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 82 Resp: 72807

Ion	Ratio	Lower	Upper
82	100		
138	15.5	14.7	22.1
95	7.7	5.2	7.8

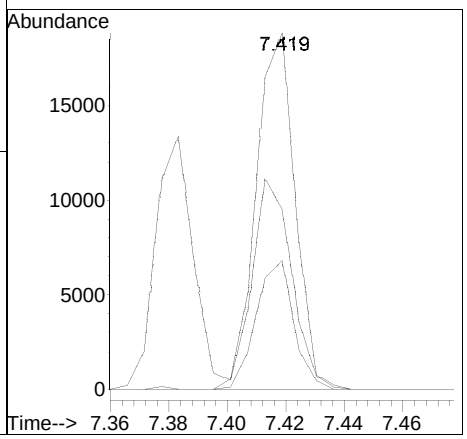


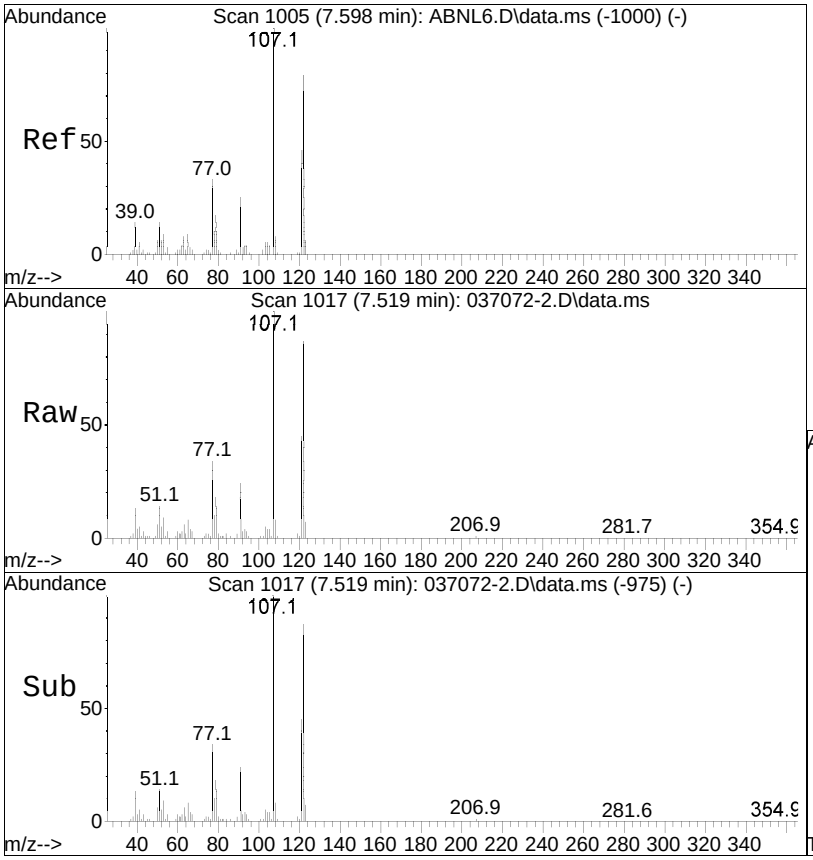


#22
2-Nitrophenol
Concen: 1.72 ug/ml
RT: 7.419 min Scan# 1000
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:139 Resp: 17416

Ion	Ratio	Lower	Upper
139	100		
109	35.0	19.4	29.0#
65	59.1	46.1	69.1

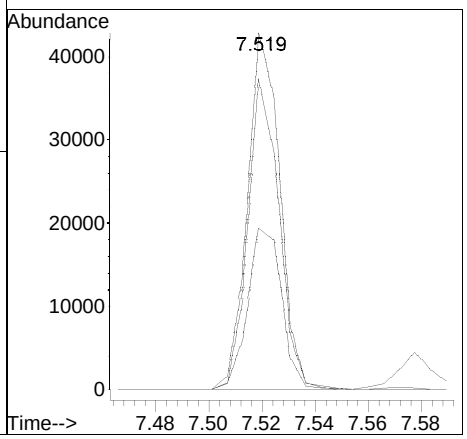


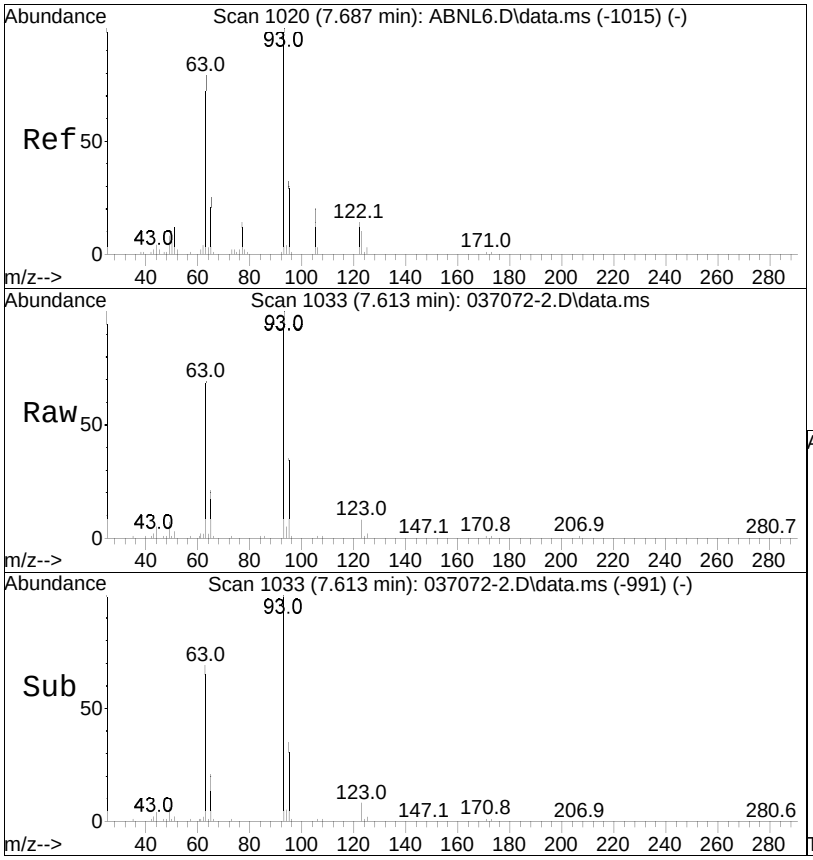


#23
2,4-Dimethylphenol
Concen: 2.26 ug/ml
RT: 7.519 min Scan# 1017
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:107 Resp: 36038

Ion	Ratio	Lower	Upper
107	100		
121	47.8	40.0	60.0
122	83.5	70.2	105.4

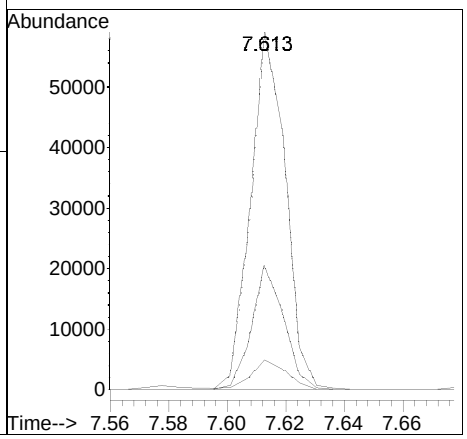


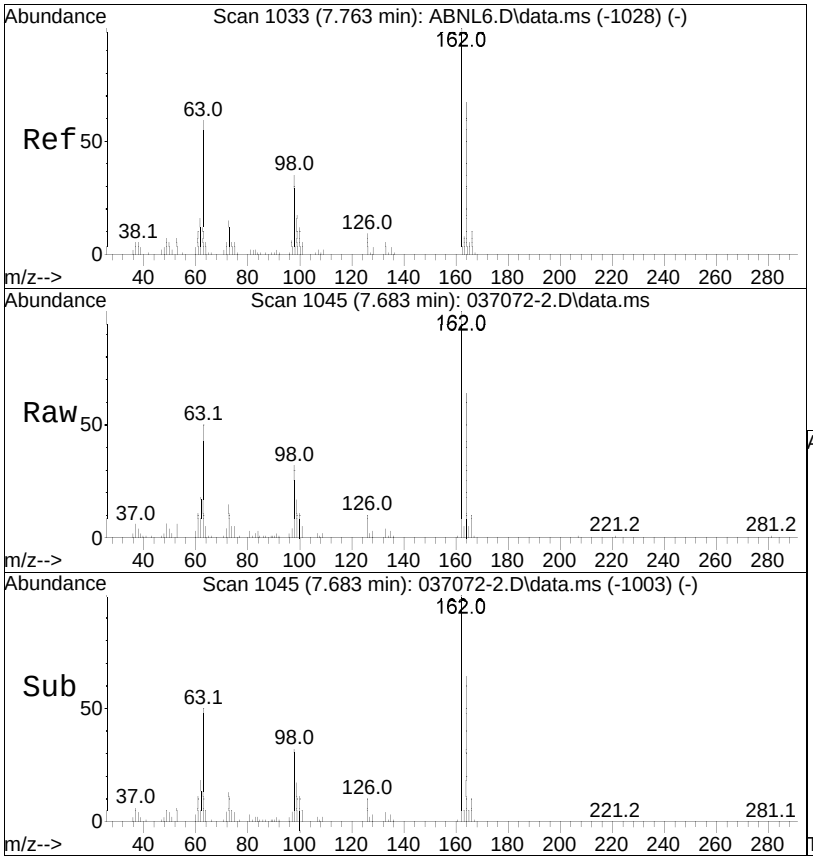


#24
Bis(2-chloroethoxy)methane
Concen: 2.10 ug/ml
RT: 7.613 min Scan# 1033
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 93 Resp: 48292

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.8
123	8.5	10.1	15.1#

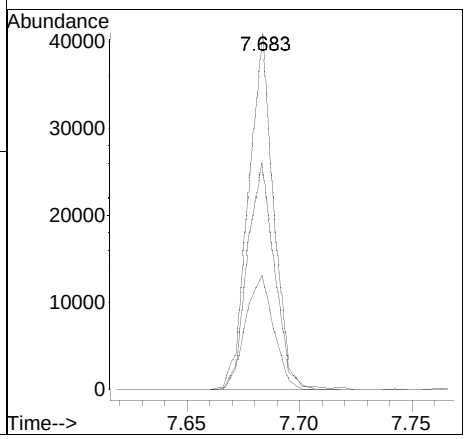


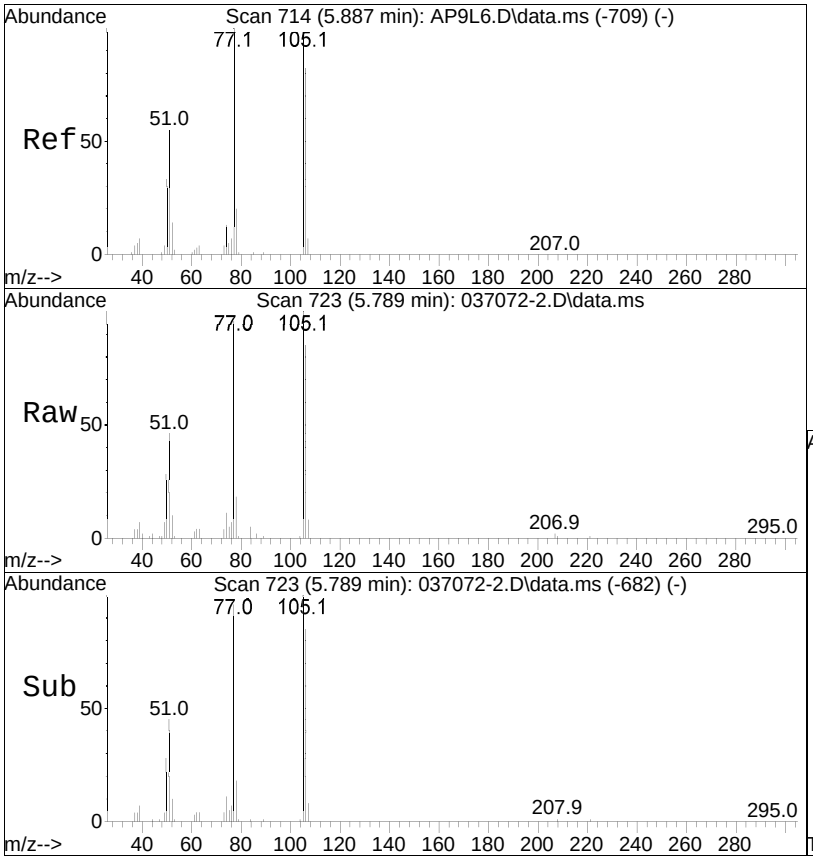


#25
2,4-Dichlorophenol
Concen: 1.79 ug/ml
RT: 7.683 min Scan# 1045
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:162 Resp: 31848

Ion	Ratio	Lower	Upper
162	100		
164	68.6	51.0	76.4
98	36.2	32.2	48.2

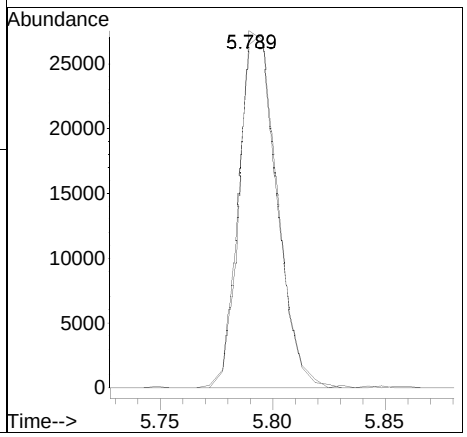


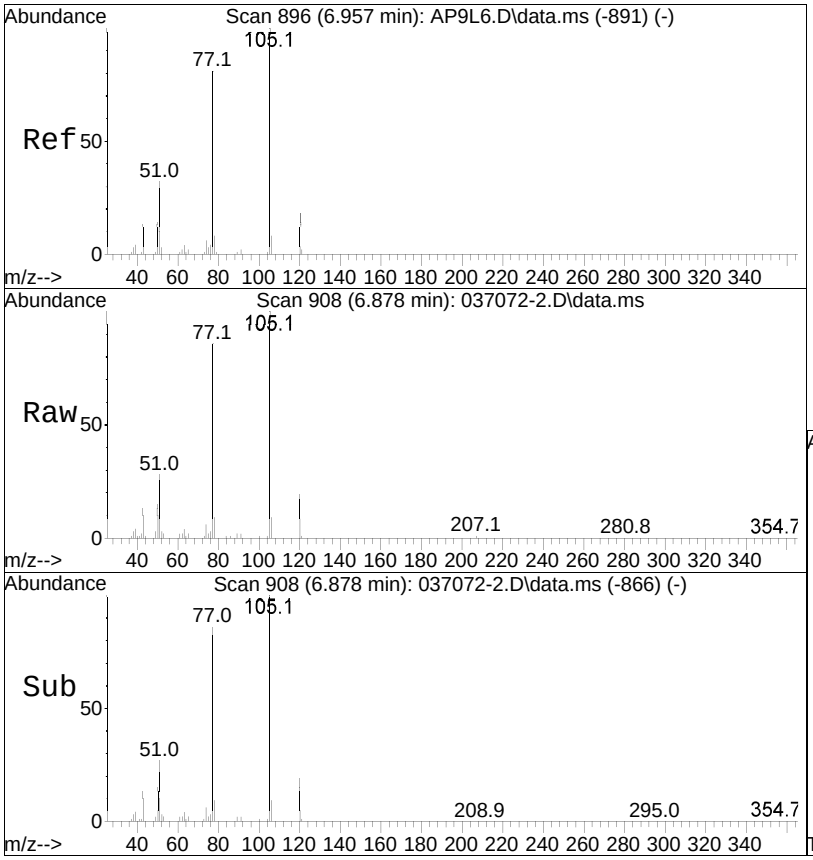


#28
Benzaldehyde
Concen: 2.35 ug/ml
RT: 5.789 min Scan# 723
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:105 Resp: 31668

Ion	Ratio	Lower	Upper
105	100		
77	101.8	82.2	123.4

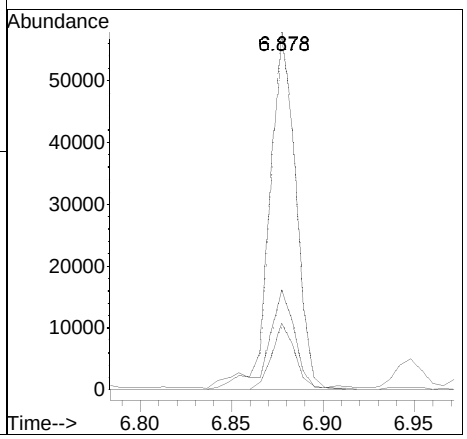


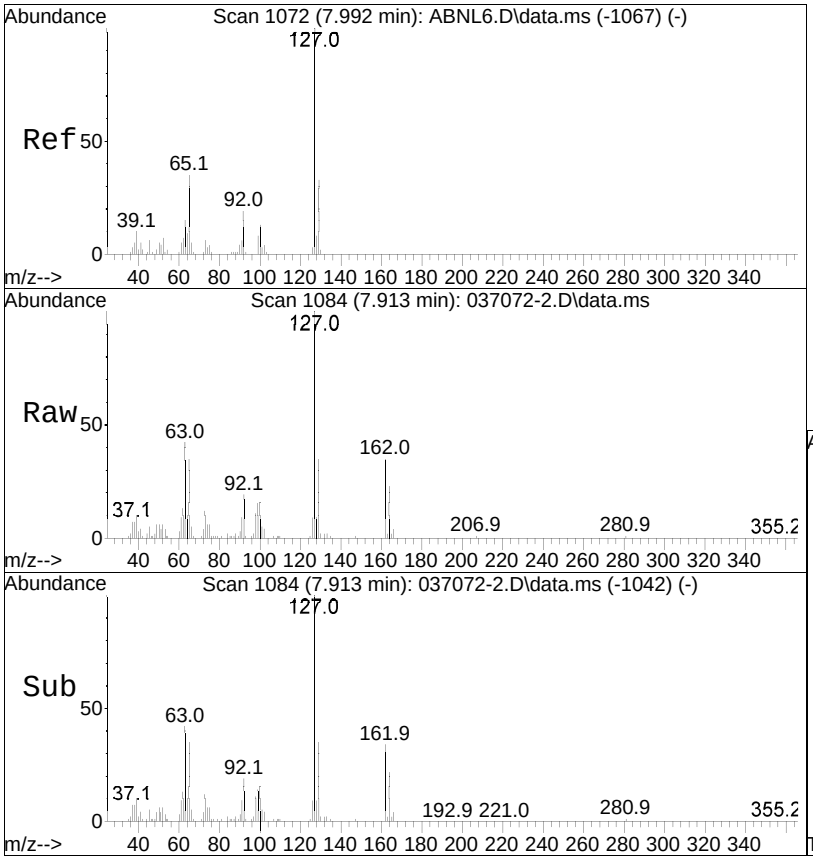


#29
Acetophenone
Concen: 2.18 ug/ml
RT: 6.878 min Scan# 908
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:105 Resp: 56766

Ion	Ratio	Lower	Upper
105	100		
120	16.8	20.5	30.7#
51	30.0	34.9	52.3#

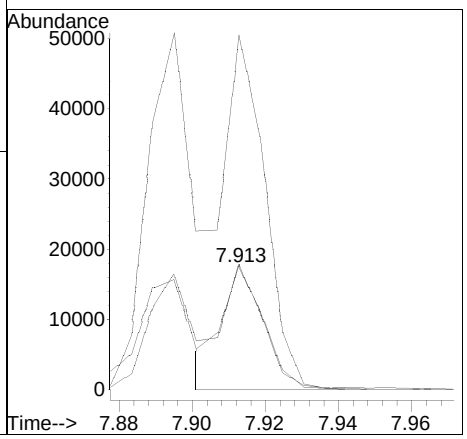


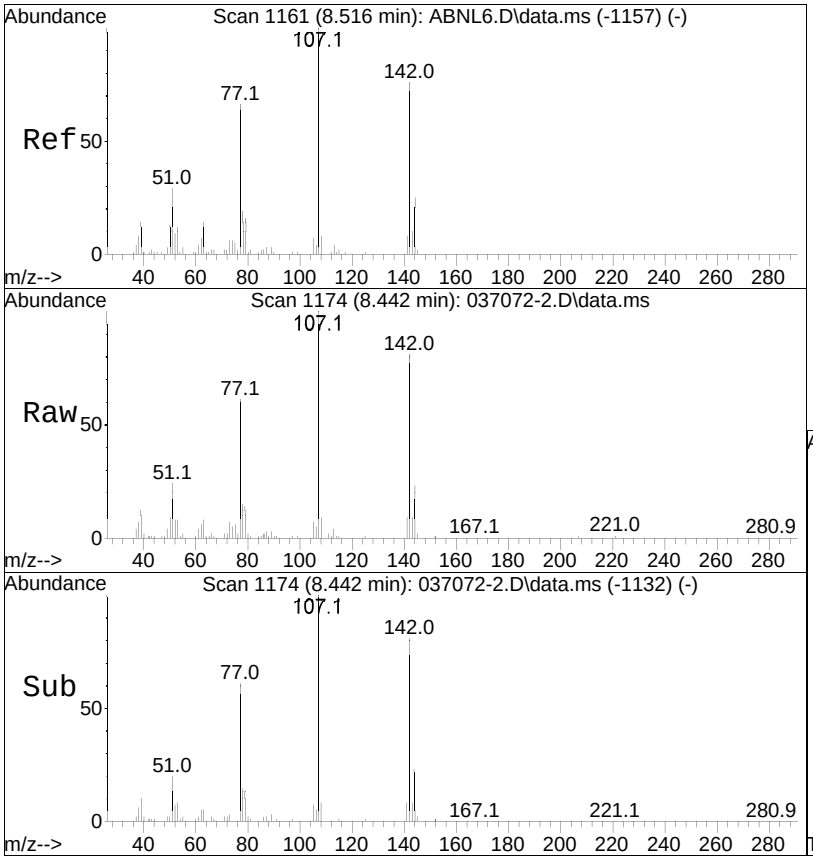


#38
4-Chloroaniline
Concen: 2.11 ug/ml
RT: 7.913 min Scan# 1084
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 65 Resp: 14088

Ion	Ratio	Lower	Upper
65	100		
127	240.8	237.6	356.4
129	80.2	76.3	114.5

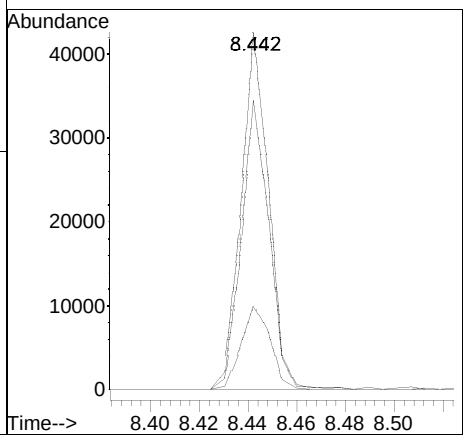


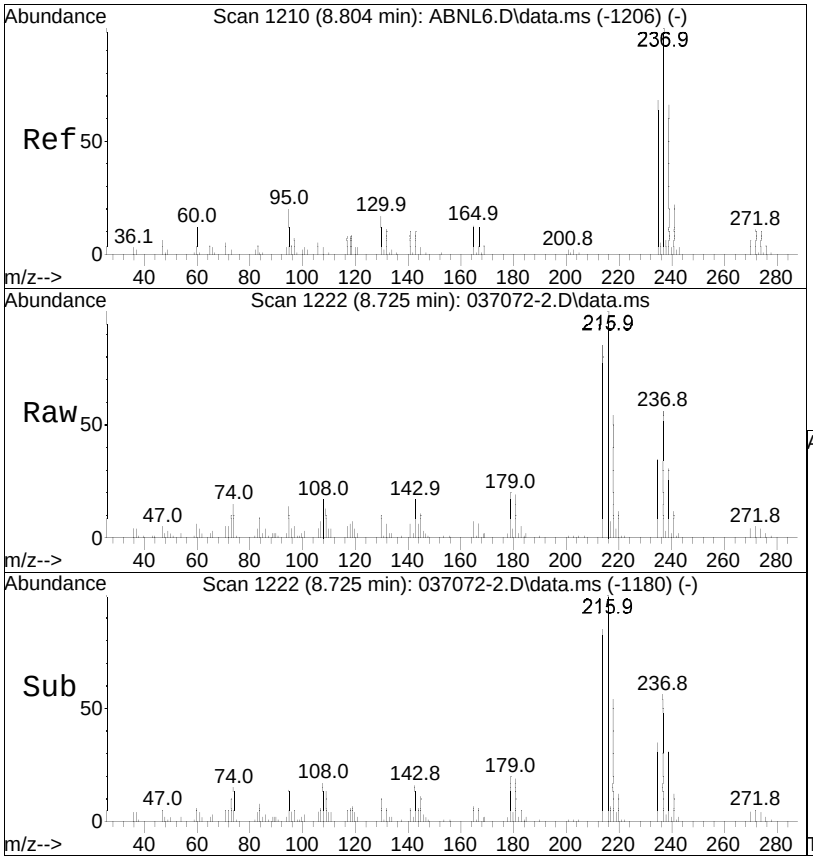


#40
p-Chloro-m-cresol
Concen: 2.12 ug/ml
RT: 8.442 min Scan# 1174
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:107 Resp: 32997

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.9	31.3
142	81.3	66.1	99.1

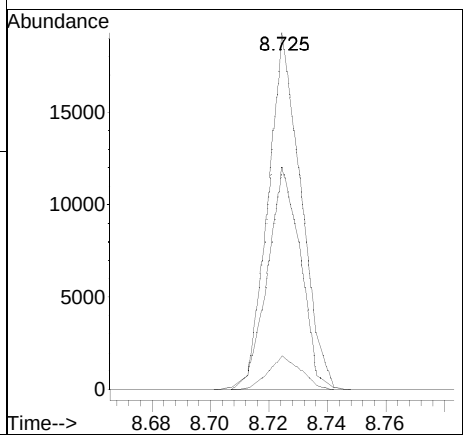


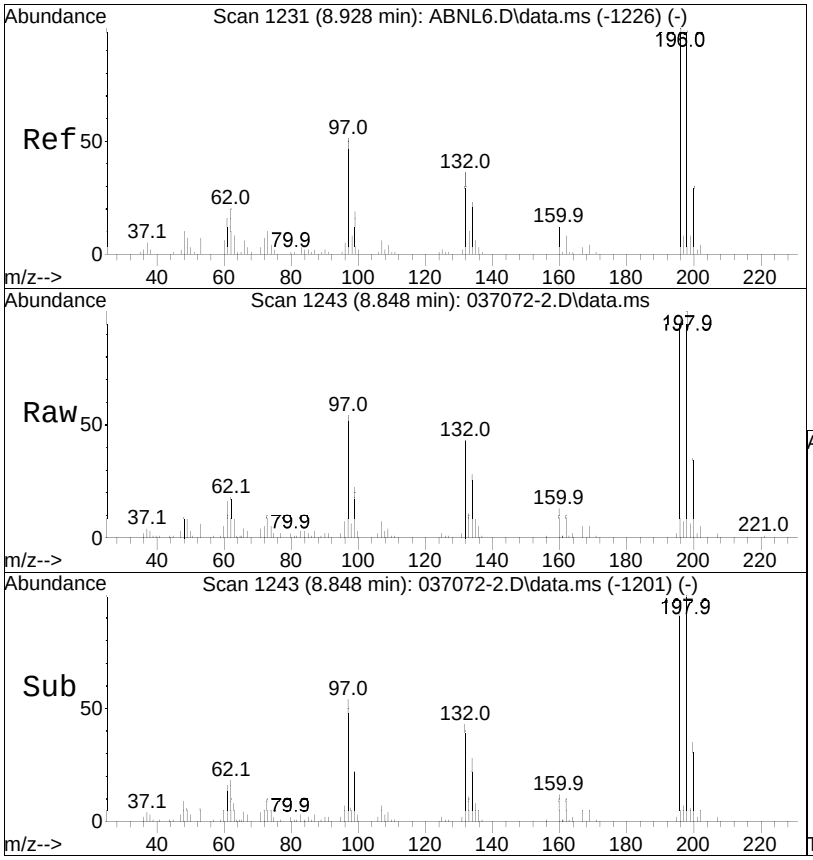


#43
Hexachlorocyclopentadiene
Concen: 1.10 ug/ml
RT: 8.725 min Scan# 1222
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:237 Resp: 15087

Ion	Ratio	Lower	Upper
237	100		
235	62.6	49.7	74.5
272	9.6	9.8	14.6#

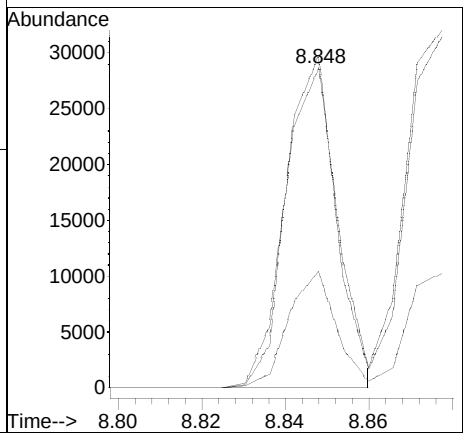


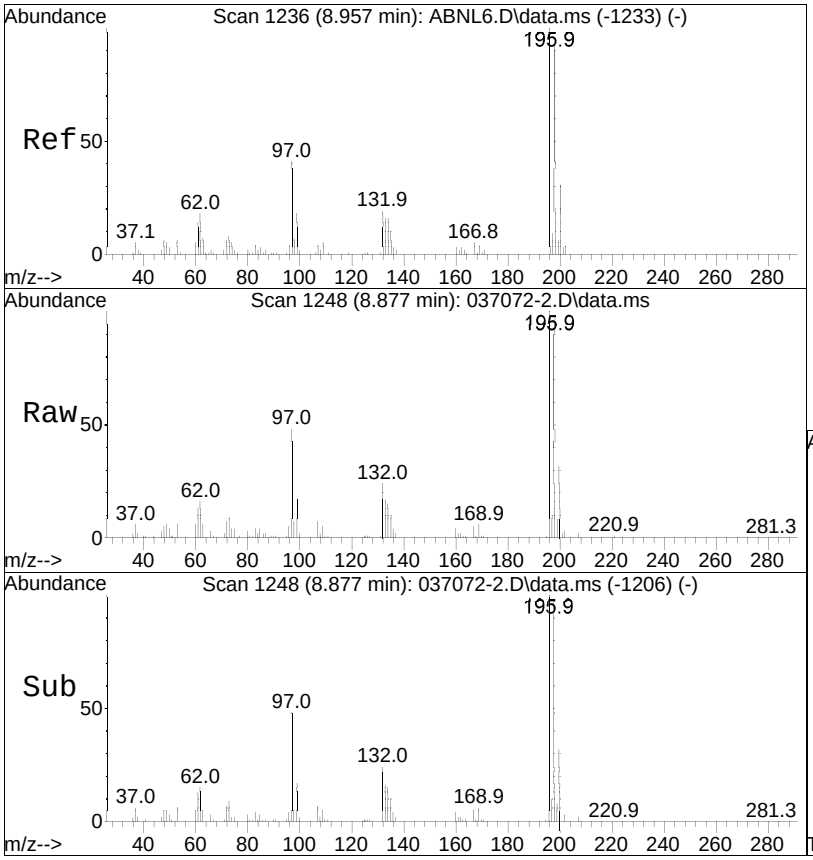


#44
2,4,6-Trichlorophenol
Concen: 1.74 ug/ml
RT: 8.848 min Scan# 1243
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:196 Resp: 25154

Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.5	116.3
200	33.2	23.8	35.6

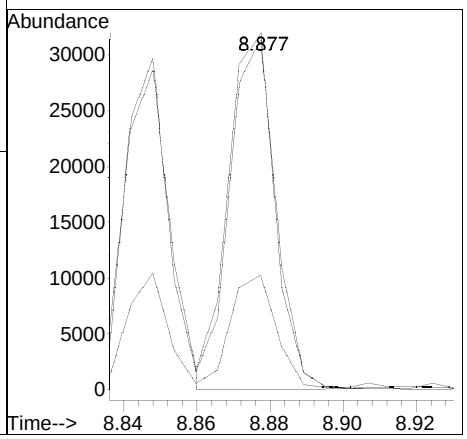


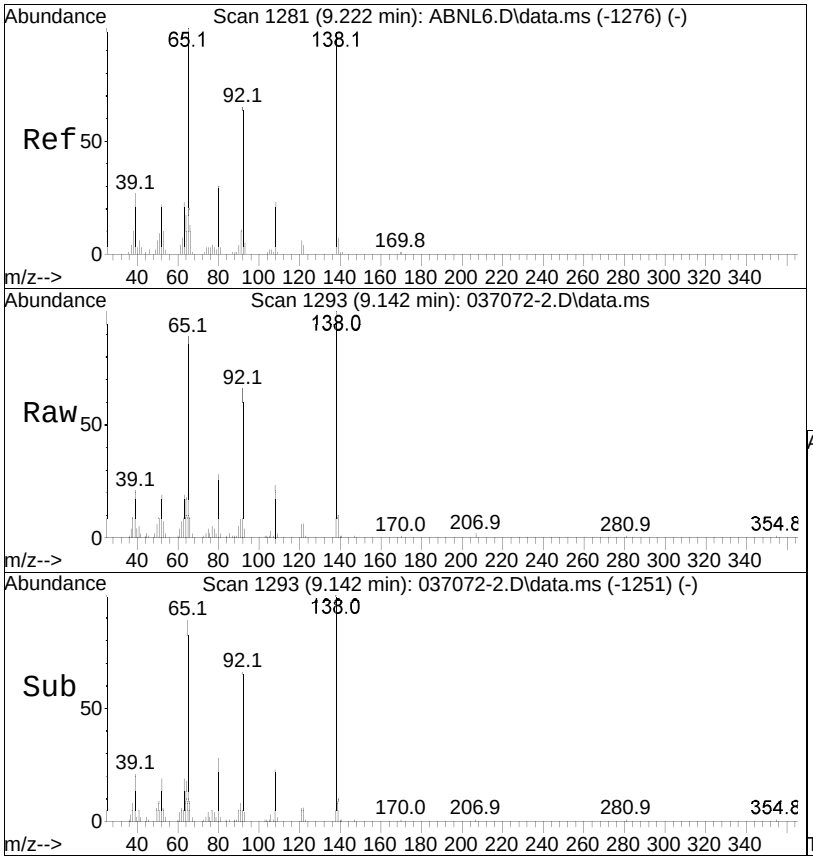


#45
2,4,5-Trichlorophenol
Concen: 1.87 ug/ml
RT: 8.877 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:196 Resp: 28075

Ion	Ratio	Lower	Upper
196	100		
200	33.1	25.4	38.0
198	98.2	78.0	117.0

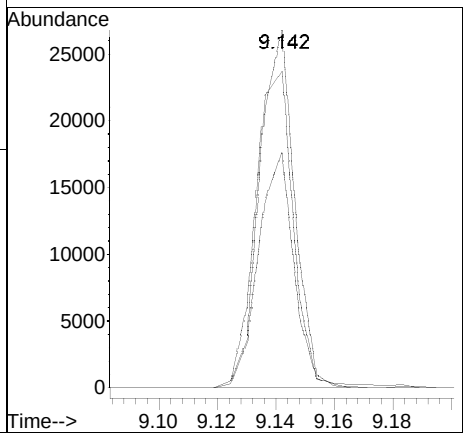


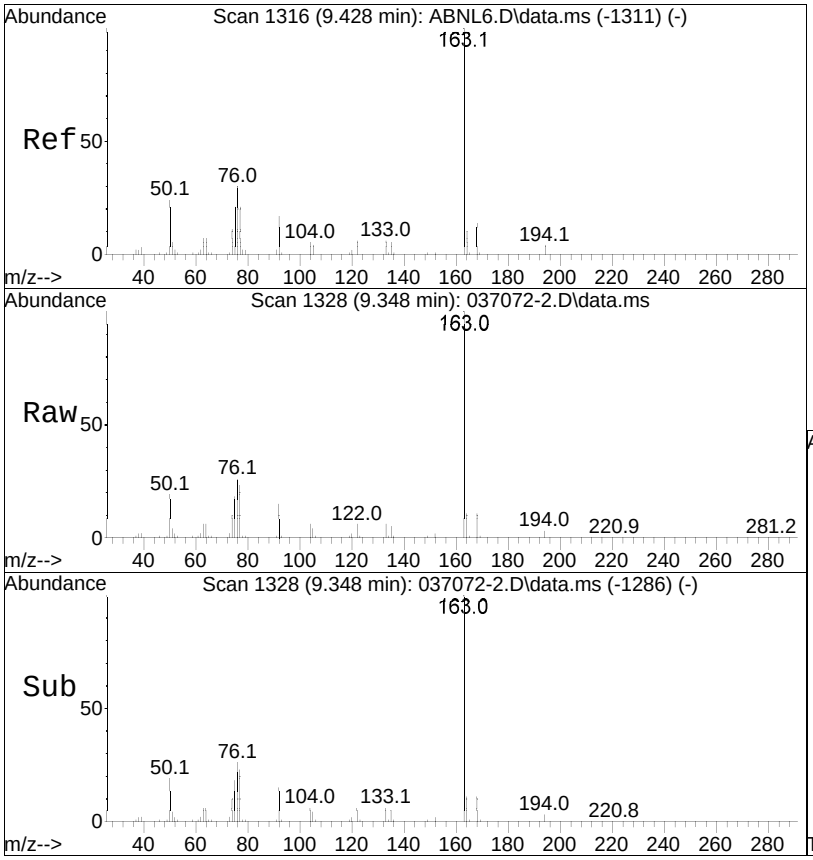


#48
2-Nitroaniline
Concen: 1.88 ug/ml
RT: 9.142 min Scan# 1293
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:138 Resp: 22141

Ion	Ratio	Lower	Upper
138	100		
92	66.5	53.5	80.3
65	96.8	86.3	129.5

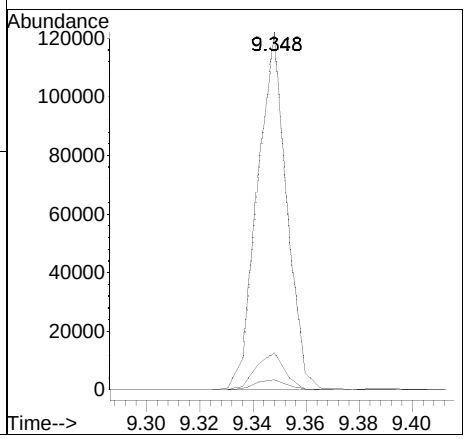


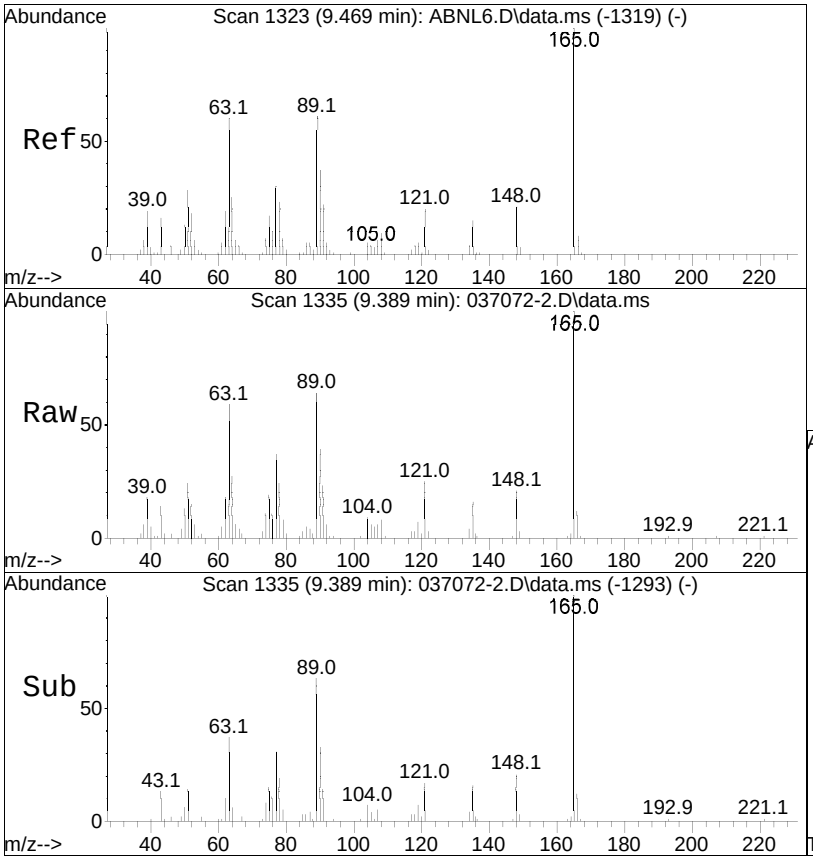


#51
Dimethyl phthalate
Concen: 1.92 ug/ml
RT: 9.348 min Scan# 1328
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:163 Resp: 92454

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.4	7.9	11.9

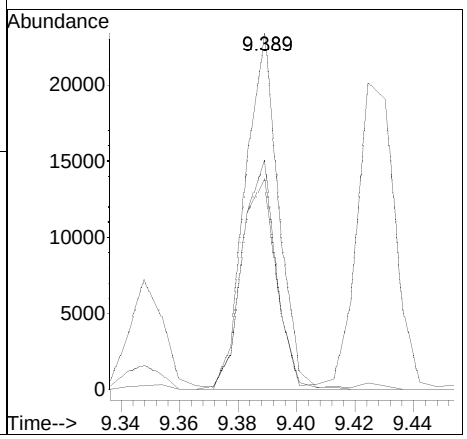


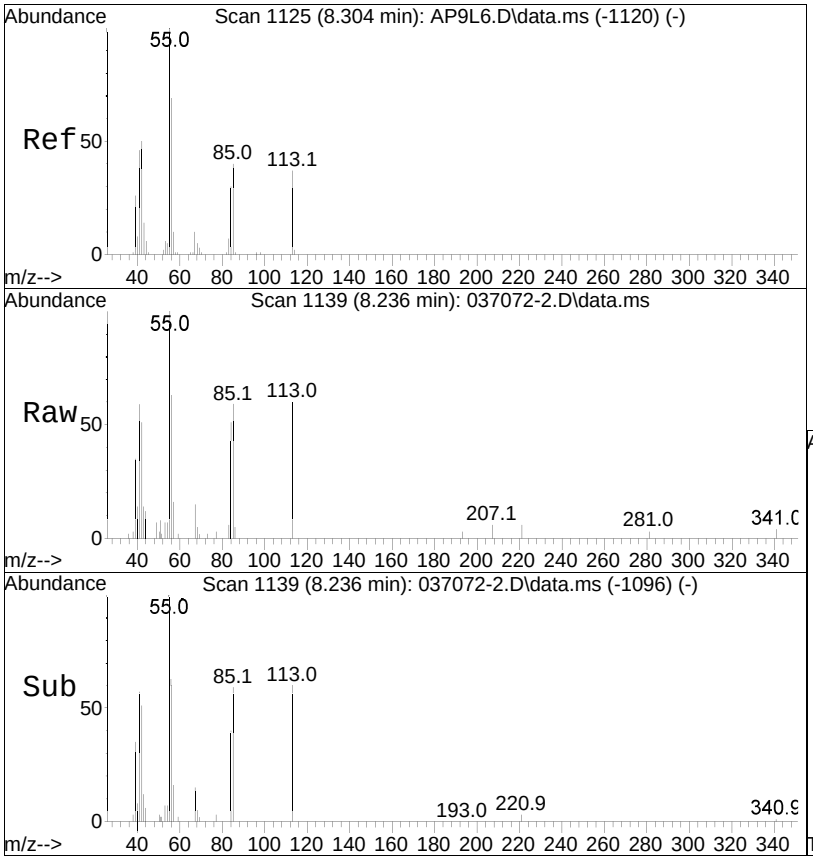


#53
2,6-Dinitrotoluene
Concen: 1.90 ug/ml
RT: 9.389 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:165 Resp: 18583

Ion	Ratio	Lower	Upper
165	100		
89	65.9	54.2	81.2
63	62.4	64.2	96.2#

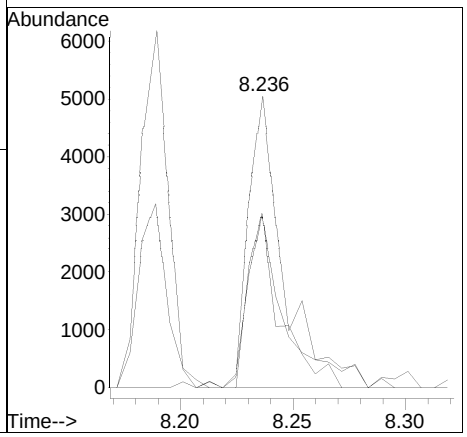


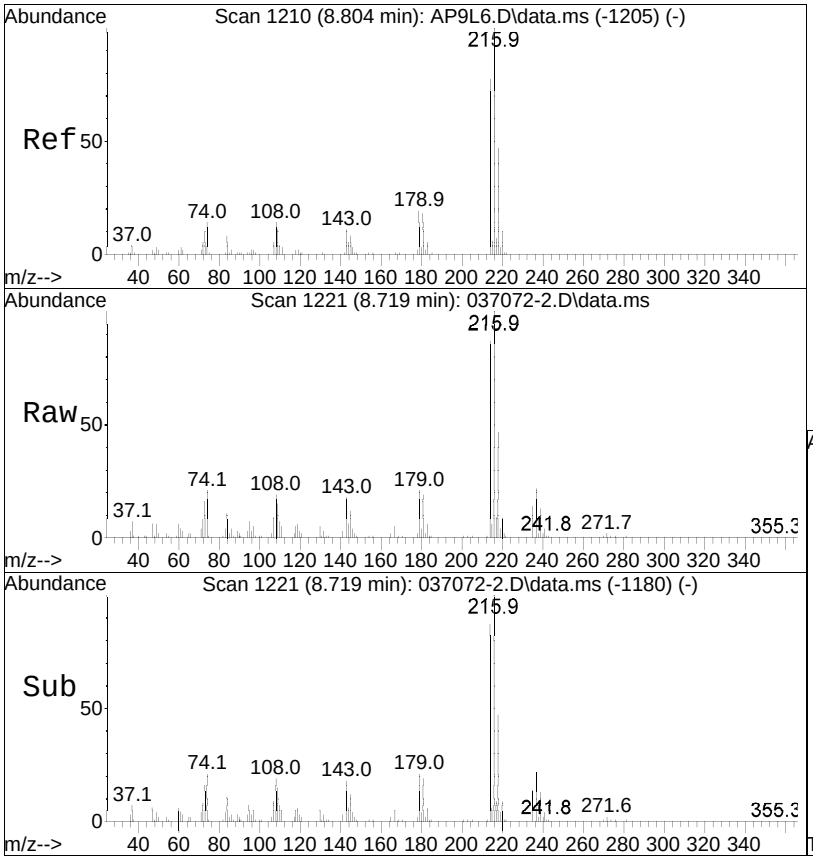


#60
Caprolactam
Concen: 0.71 ug/ml
RT: 8.236 min Scan# 1139
Delta R.T. 0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 55 Resp: 5509

Ion	Ratio	Lower	Upper
55	100		
85	64.9	19.8	29.6#
113	54.4	29.6	44.4#

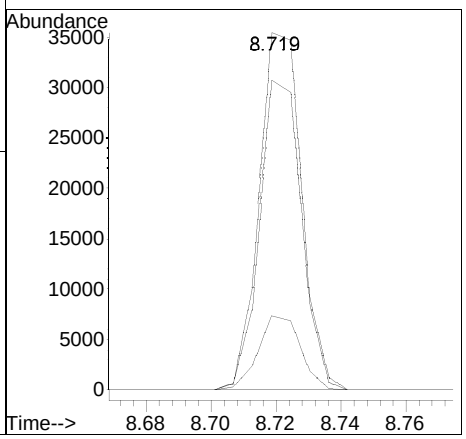


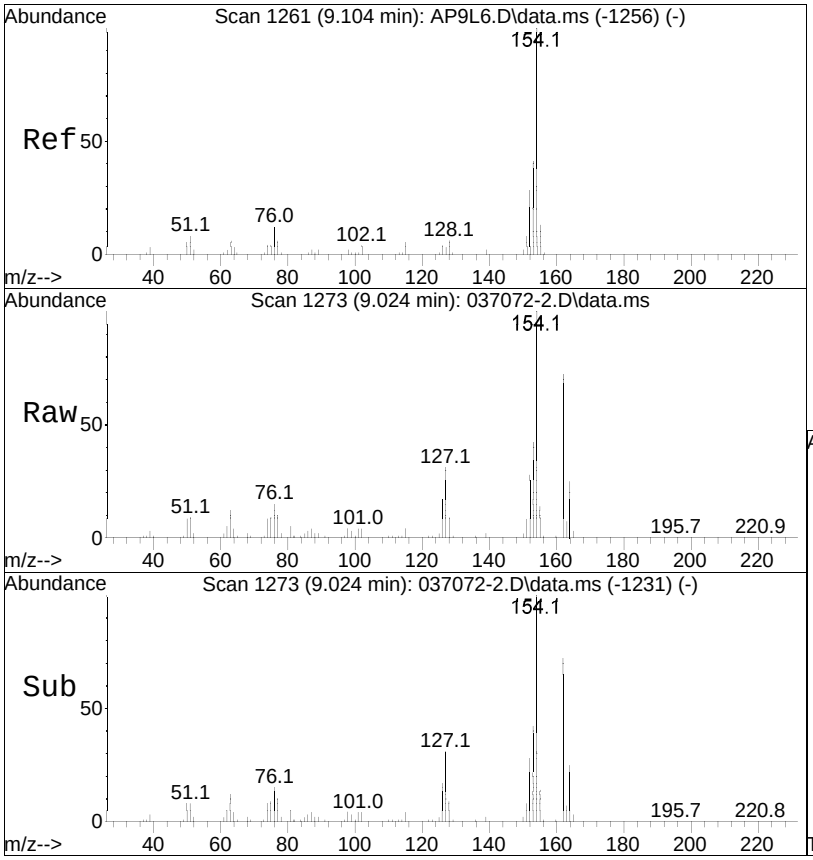


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.52 ug/ml
RT: 8.719 min Scan# 1221
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:216 Resp: 32193

Ion	Ratio	Lower	Upper
216	100		
214	85.6	63.7	95.5
179	20.7	19.0	28.6

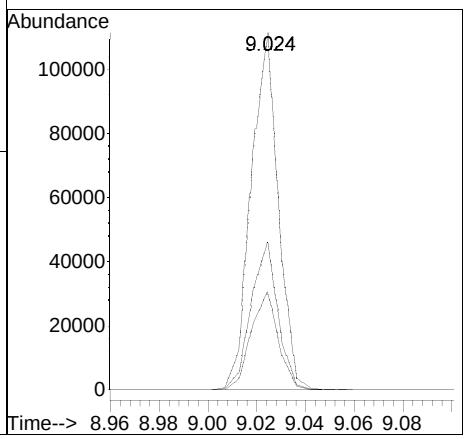


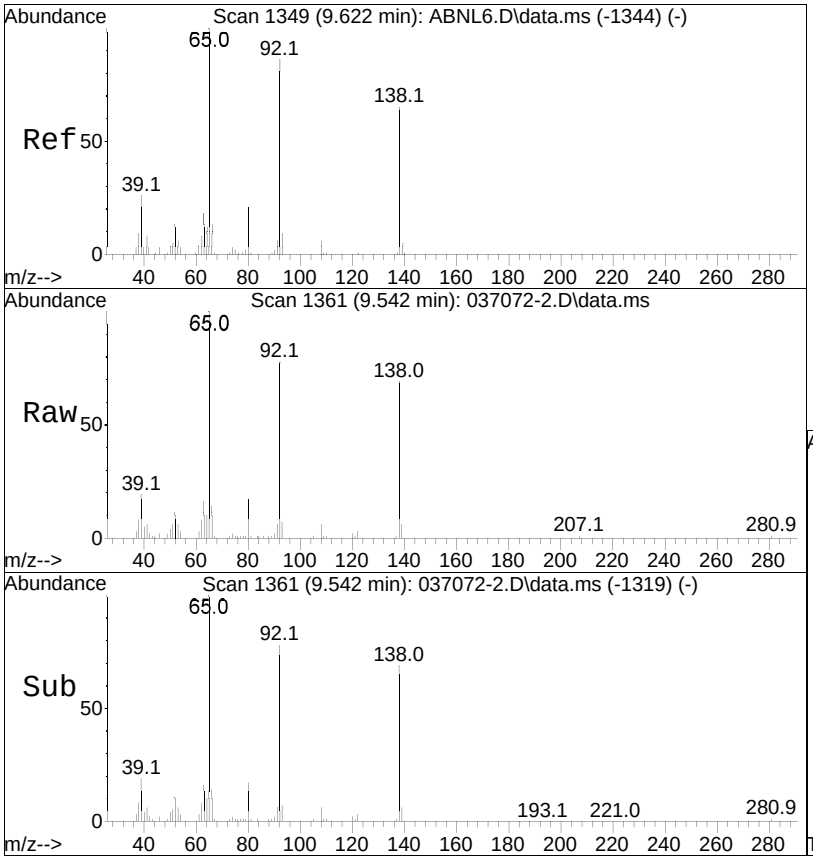


#62
Biphenyl
Concen: 1.80 ug/ml
RT: 9.024 min Scan# 1273
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:154 Resp: 85648

Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.3	48.5
152	27.7	22.5	33.7

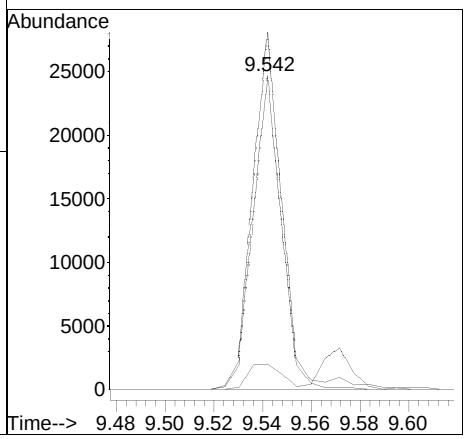


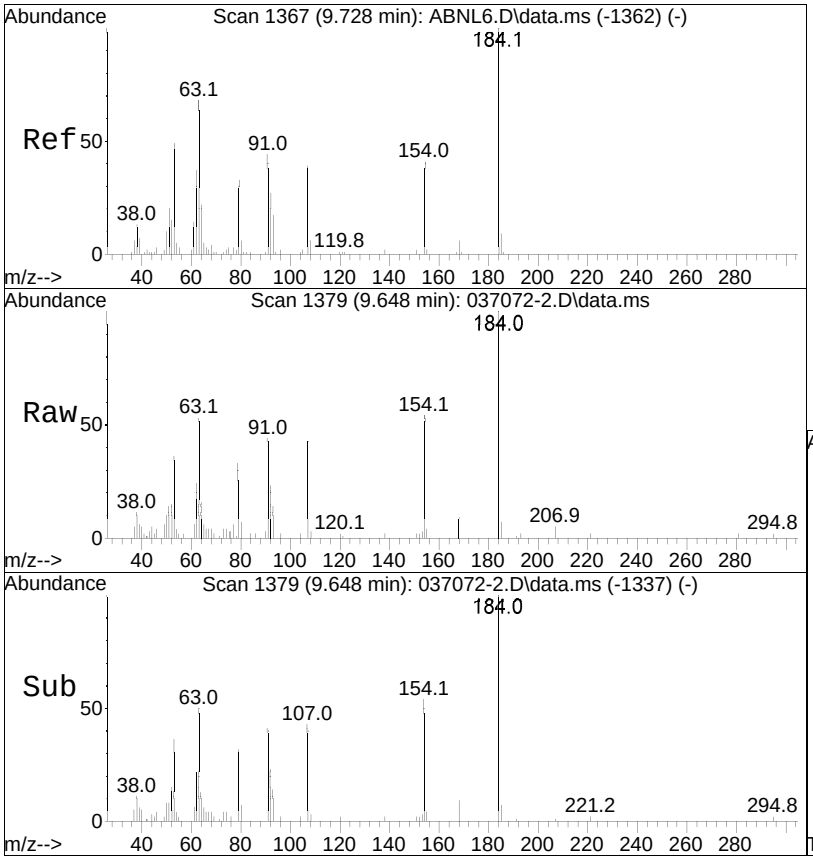


#64
3-Nitroaniline
Concen: 1.94 ug/ml
RT: 9.542 min Scan# 1361
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:138 Resp: 19612

Ion	Ratio	Lower	Upper
138	100		
92	120.2	93.4	140.2
108	9.9	9.5	14.3

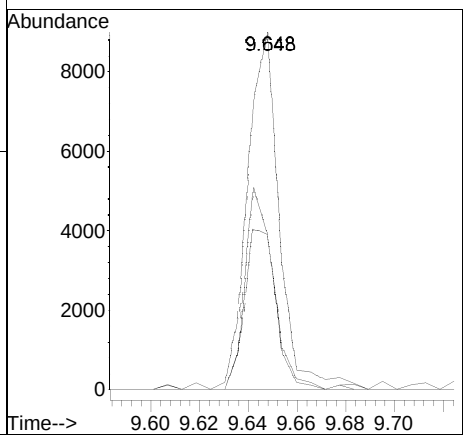


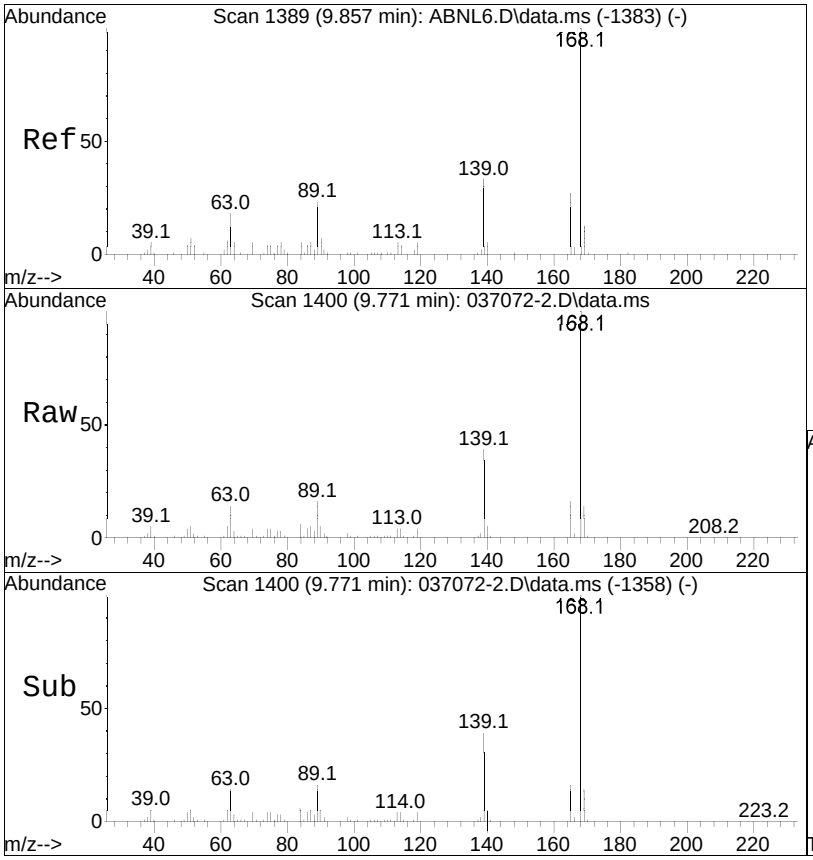


#66
2,4-Dinitrophenol
Concen: 2.21 ug/ml
RT: 9.648 min Scan# 1379
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:184 Resp: 8127

Ion	Ratio	Lower	Upper
184	100		
107	45.5	37.7	56.5
91	50.5	46.3	69.5

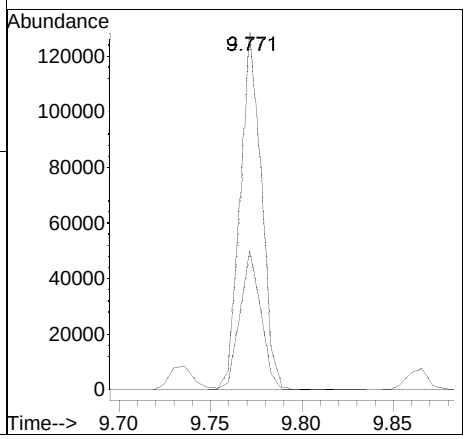


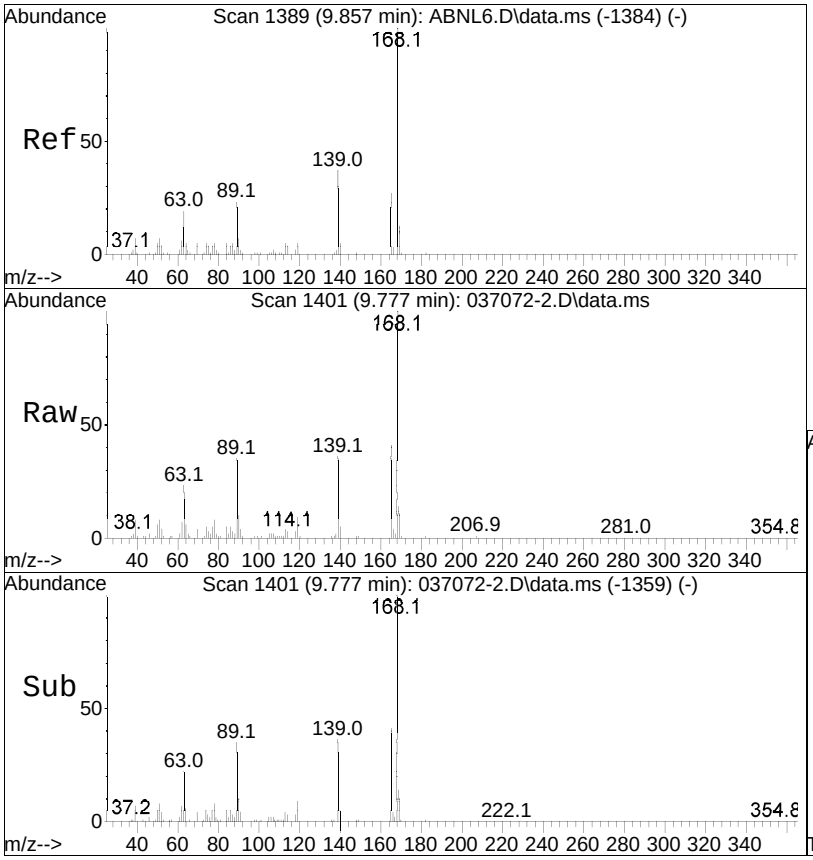


#67
Dibenzofuran
Concen: 1.76 ug/ml
RT: 9.771 min Scan# 1400
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:168 Resp: 103171

Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.4	47.2

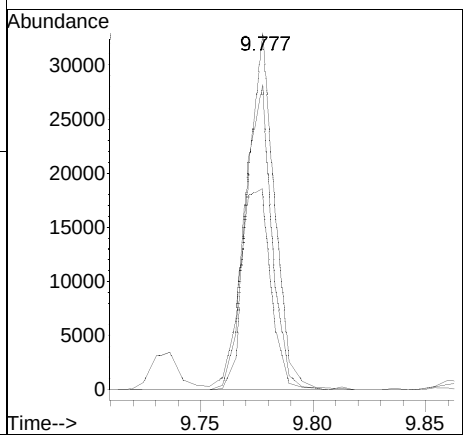


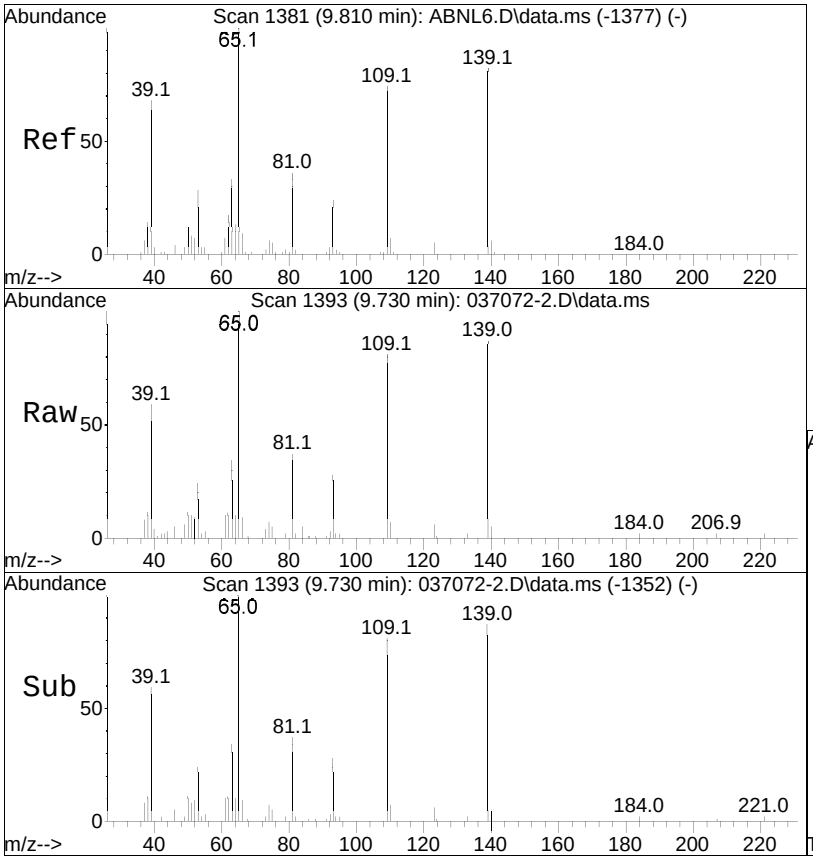


#68
2,4-Dinitrotoluene
Concen: 2.06 ug/ml
RT: 9.777 min Scan# 1401
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:165 Resp: 26951

Ion	Ratio	Lower	Upper
165	100		
89	86.7	72.0	108.0
63	66.0	52.7	79.1

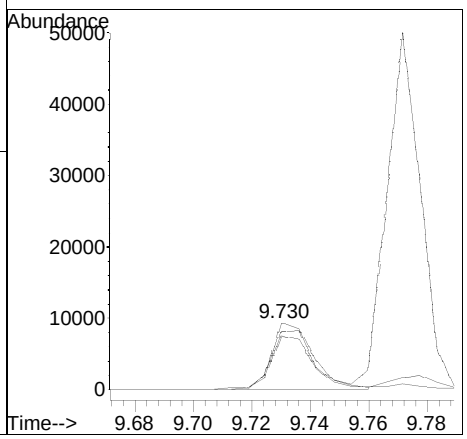


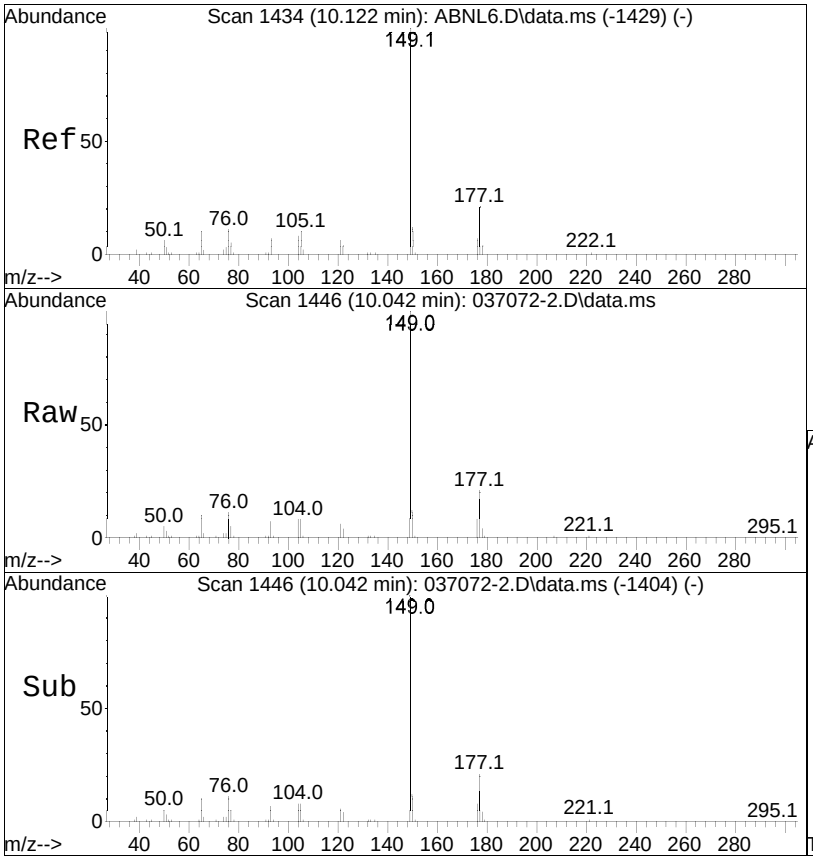


#69
4-Nitrophenol
Concen: 1.25 ug/ml
RT: 9.730 min Scan# 1393
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion: 65 Resp: 9349

Ion	Ratio	Lower	Upper
65	100		
109	79.8	47.4	71.2#
139	89.1	76.6	115.0

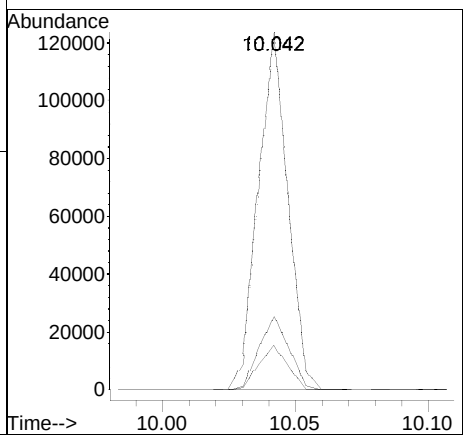


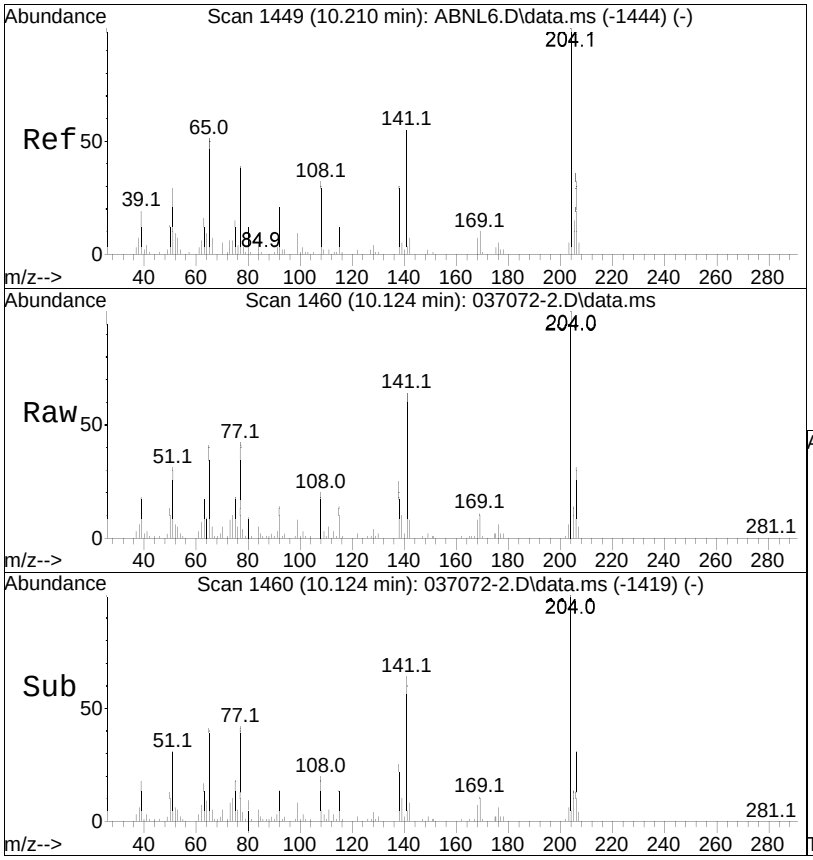


#72
Diethyl phthalate
Concen: 2.00 ug/ml
RT: 10.042 min Scan# 1446
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:149 Resp: 94696

Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.1	24.1
150	12.4	9.4	14.2

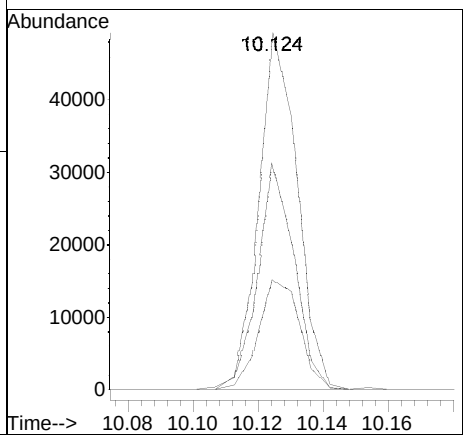


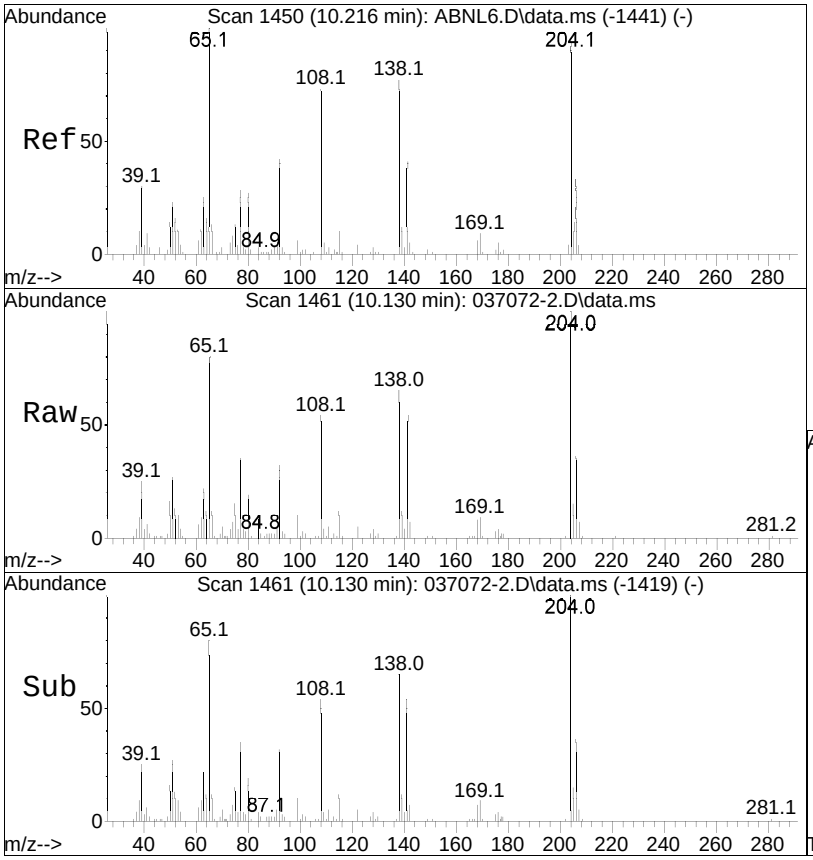


#74
4-Chlorophenyl phenyl ether
Concen: 1.71 ug/ml
RT: 10.124 min Scan# 1460
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:204 Resp: 40200

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.8	38.6
141	60.2	53.6	80.4

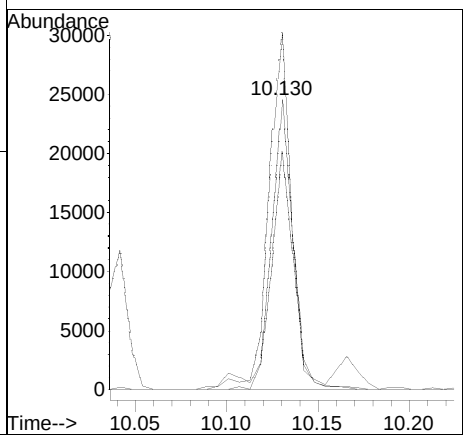


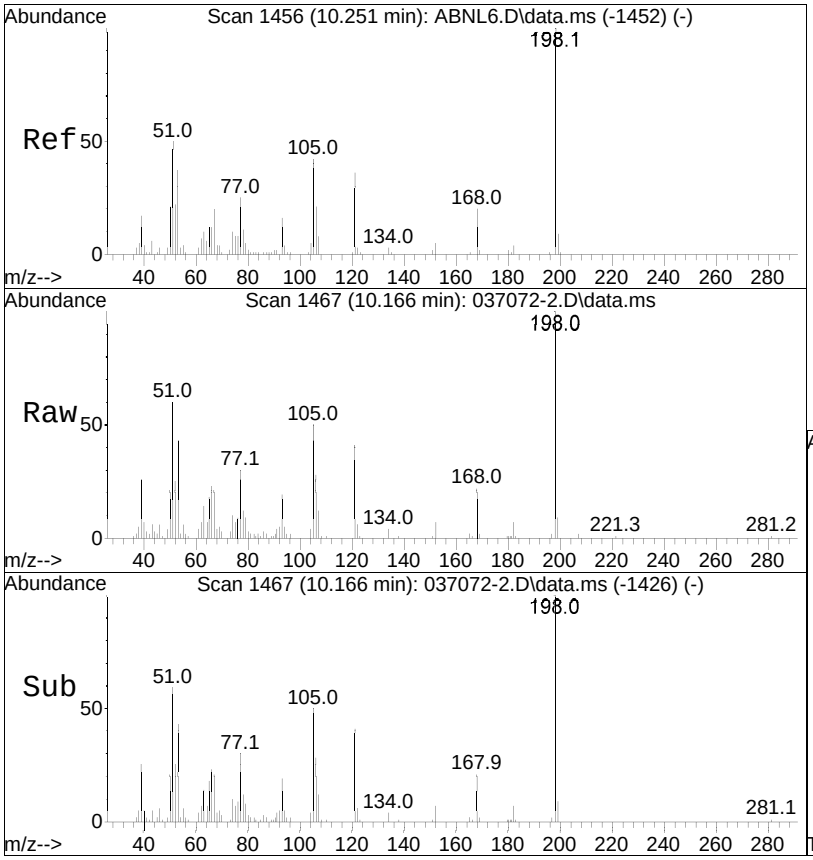


#75
4-Nitroaniline
Concen: 2.04 ug/ml
RT: 10.130 min Scan# 1461
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:138 Resp: 20977

Ion	Ratio	Lower	Upper
138	100		
108	79.9	52.1	78.1#
65	123.0	115.0	172.6

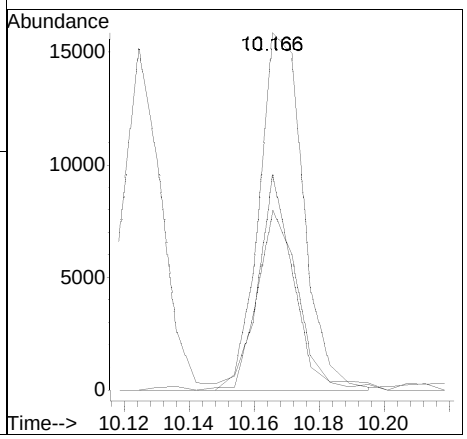


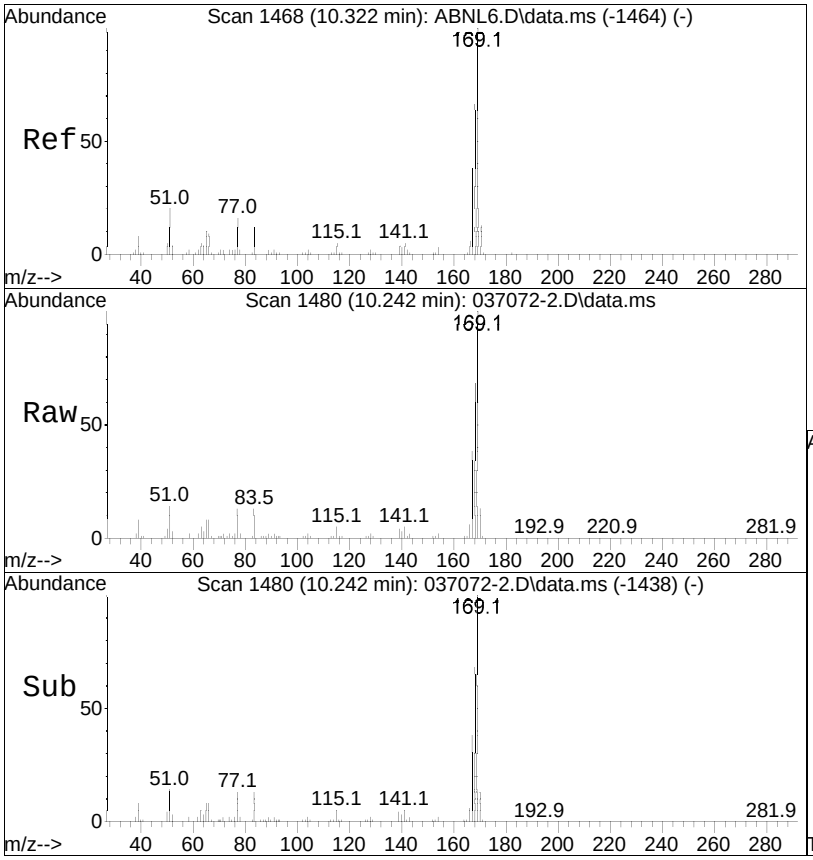


#76
4,6-Dinitro-o-cresol
Concen: 1.92 ug/ml
RT: 10.166 min Scan# 1467
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:198 Resp: 14978

Ion	Ratio	Lower	Upper
198	100		
51	48.8	76.0	114.0#
105	46.5	45.6	68.4

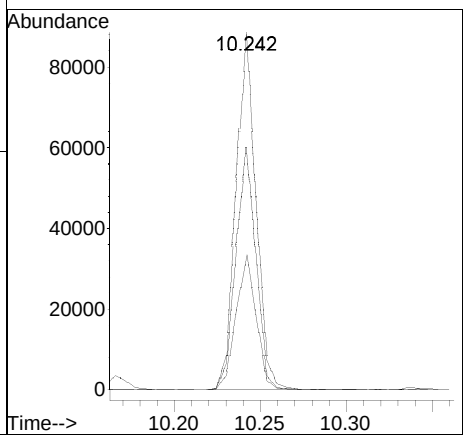


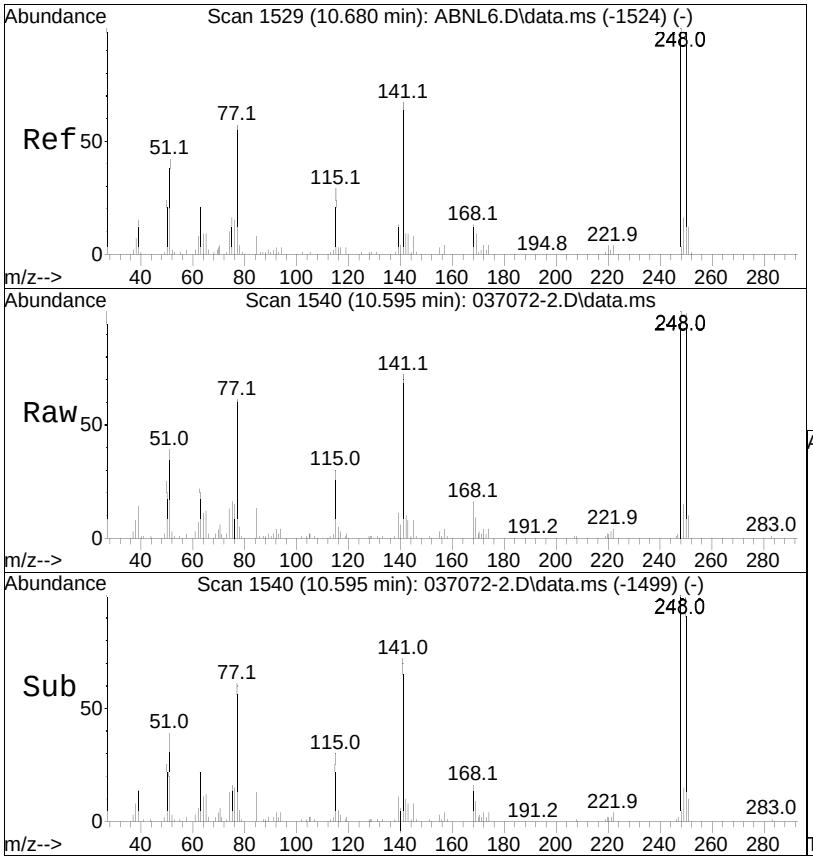


#77
NDPA/DPA
Concen: 1.82 ug/ml
RT: 10.242 min Scan# 1480
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:169 Resp: 71735

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.0	81.0
167	38.3	28.6	42.8

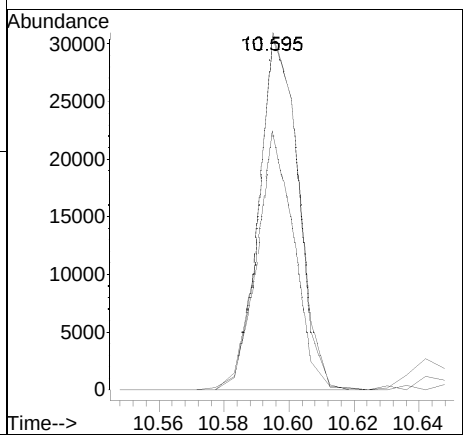


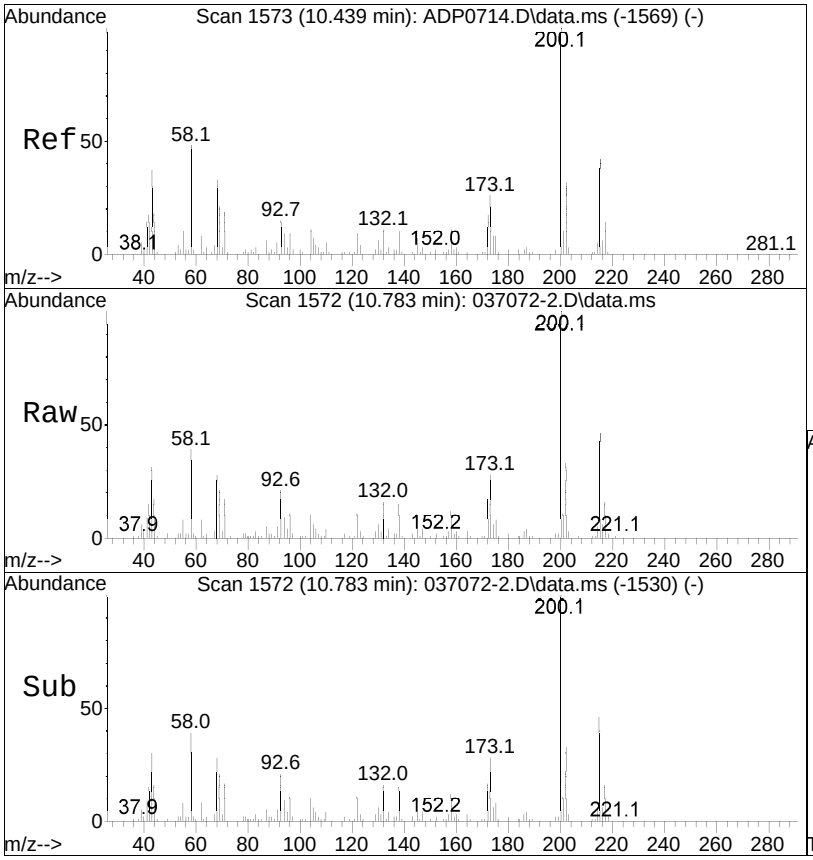


#80
4-Bromophenyl phenyl ether
Concen: 1.77 ug/ml
RT: 10.595 min Scan# 1540
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:248 Resp: 25662

Ion	Ratio	Lower	Upper
248	100		
141	68.8	76.6	114.8#
250	99.5	77.3	115.9

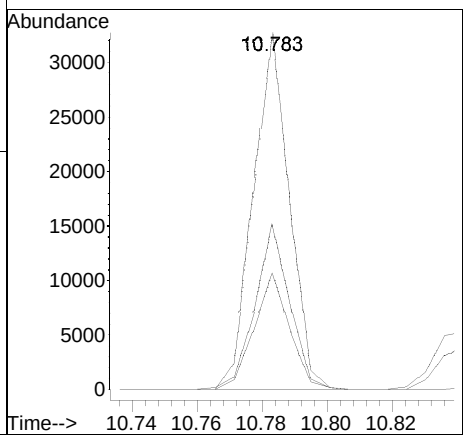


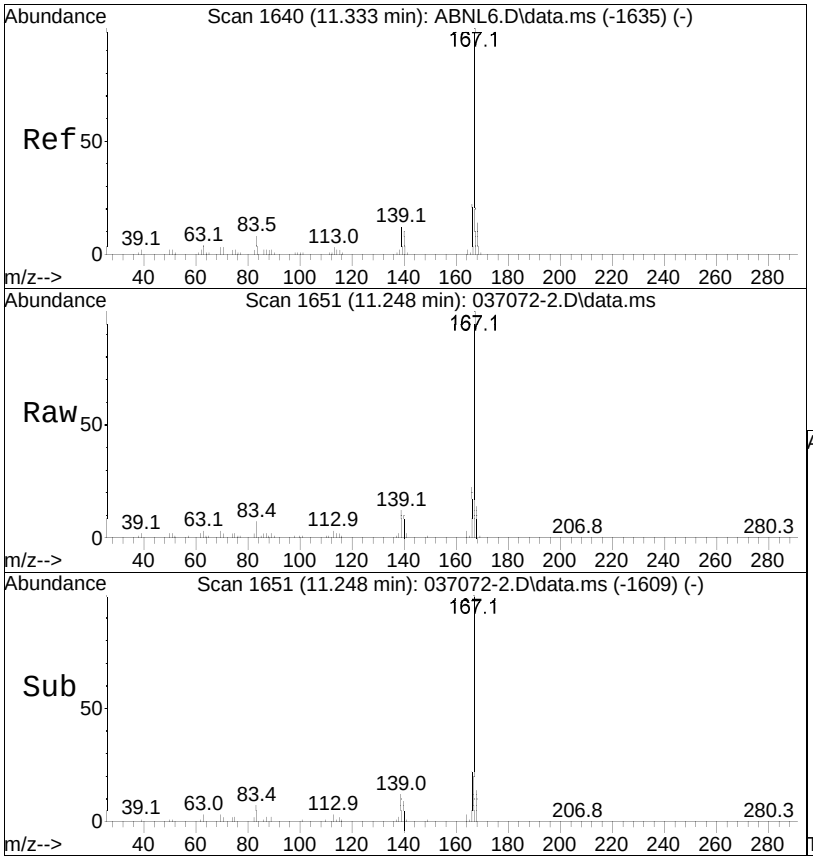


#87
Atrazine
Concen: 1.92 ug/ml
RT: 10.783 min Scan# 1572
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:200 Resp: 24933

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.8	38.6
215	44.8	40.2	60.4

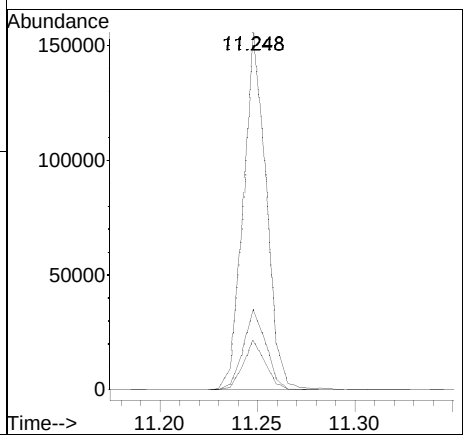


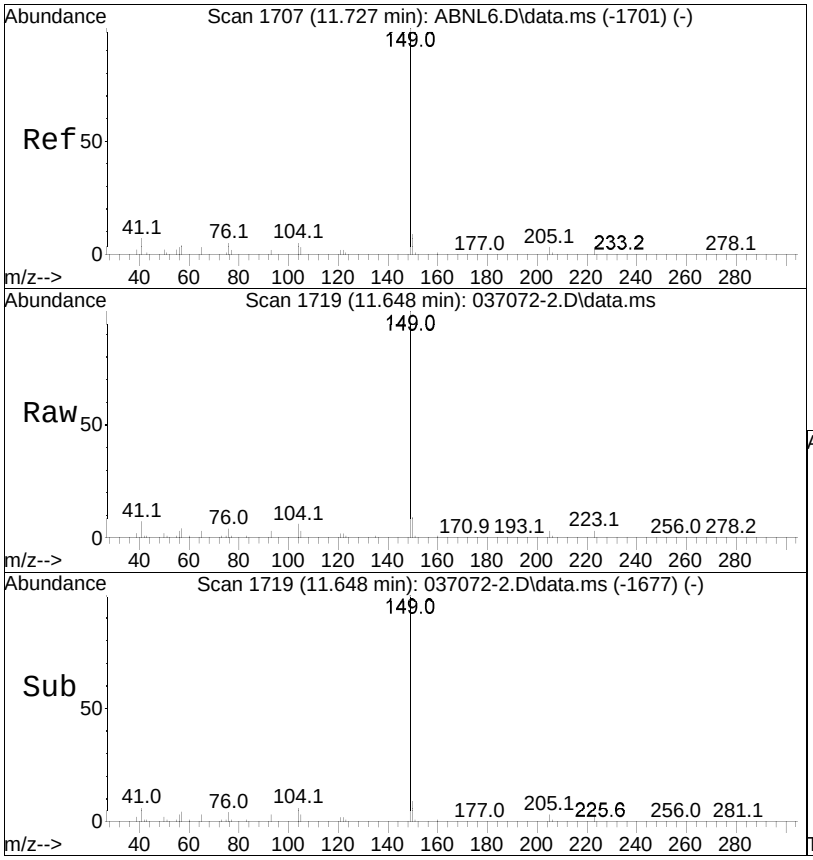


#91
Carbazole
Concen: 2.03 ug/ml
RT: 11.248 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:167 Resp: 126032

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.6	17.4	26.0

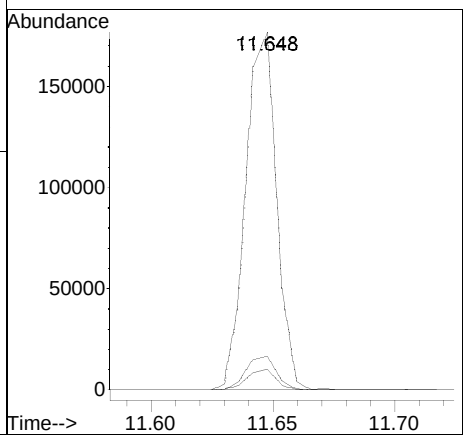


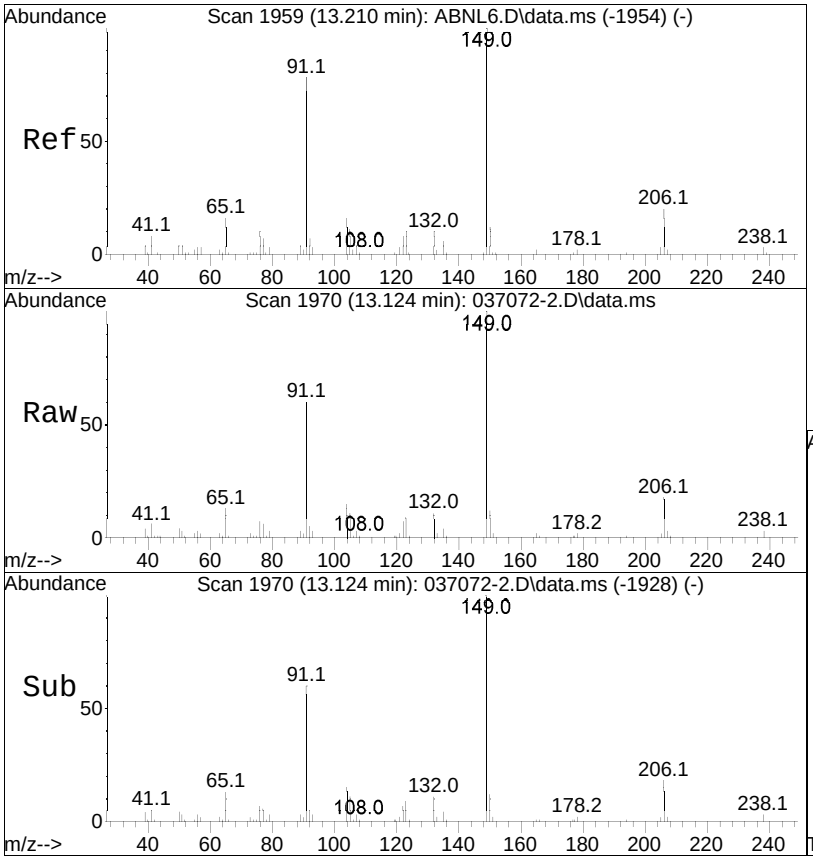


#92
Di-n-butylphthalate
Concen: 1.98 ug/ml
RT: 11.648 min Scan# 1719
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:149 Resp: 154002

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.6	4.5	6.7

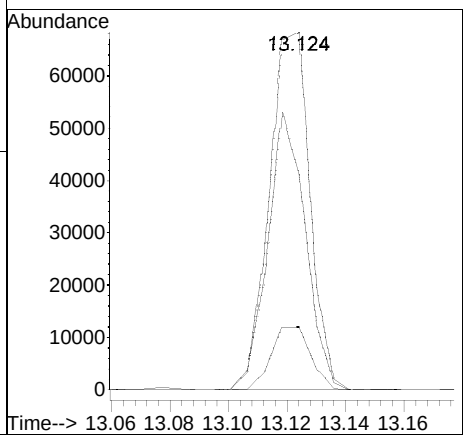


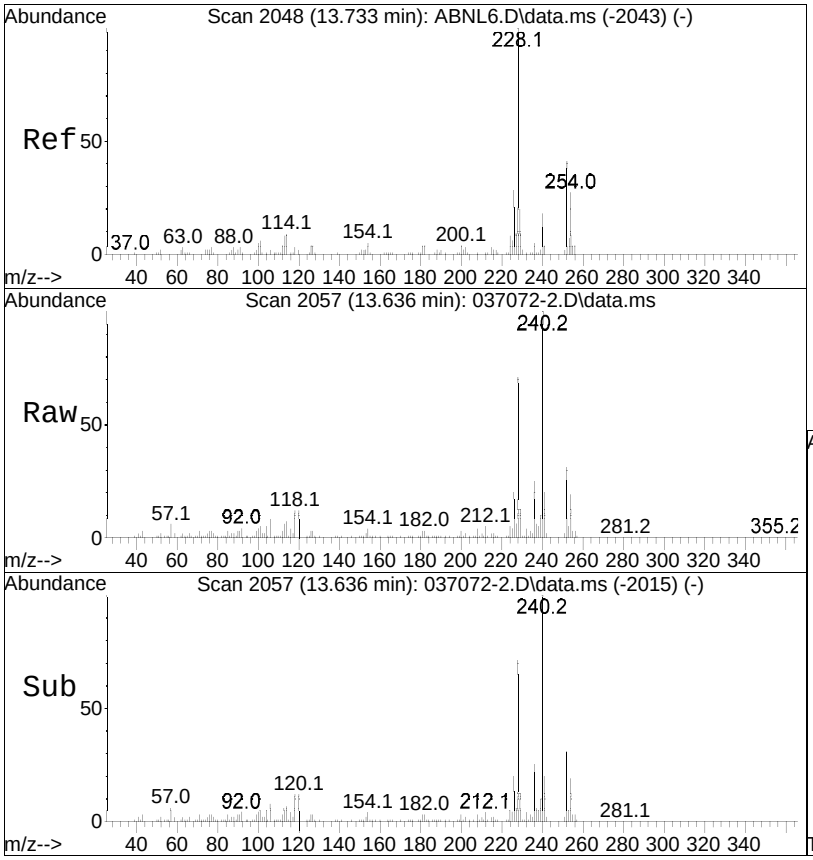


#97
Butyl benzyl phthalate
Concen: 2.00 ug/ml
RT: 13.124 min Scan# 1970
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:149 Resp: 65529

Ion	Ratio	Lower	Upper
149	100		
91	71.9	63.3	94.9
206	17.3	13.9	20.9

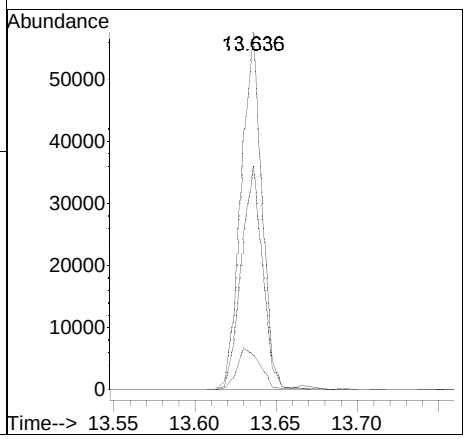


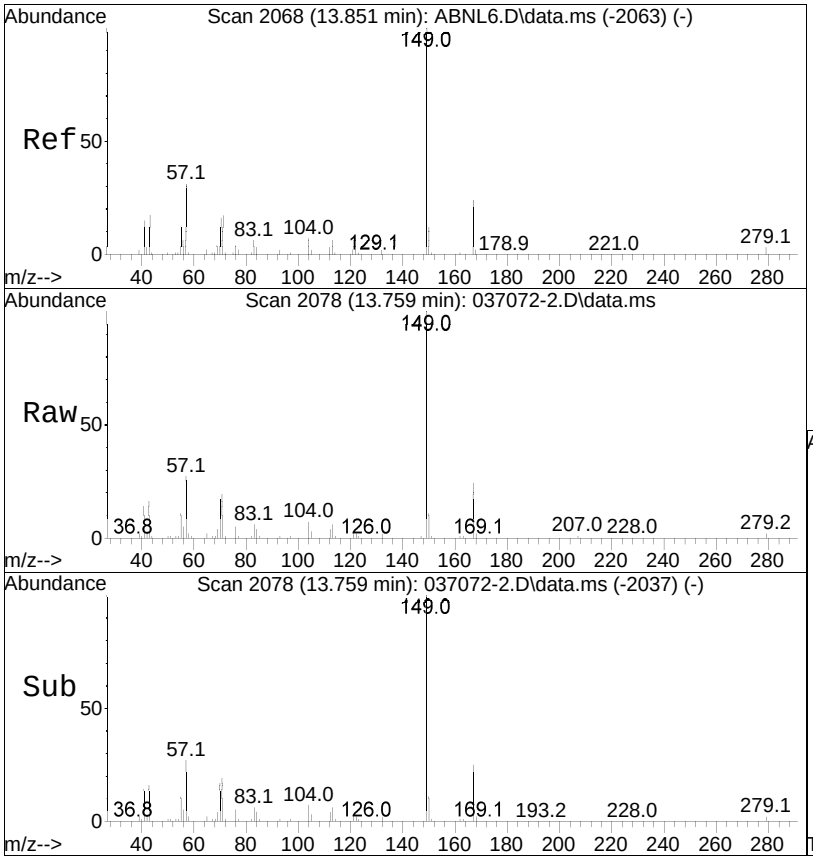


#106
3,3'-Dichlorobenzidine
Concen: 1.98 ug/ml
RT: 13.636 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:252 Resp: 51150

Ion	Ratio	Lower	Upper
252	100		
126	13.2	14.5	21.7#
254	63.8	51.2	76.8

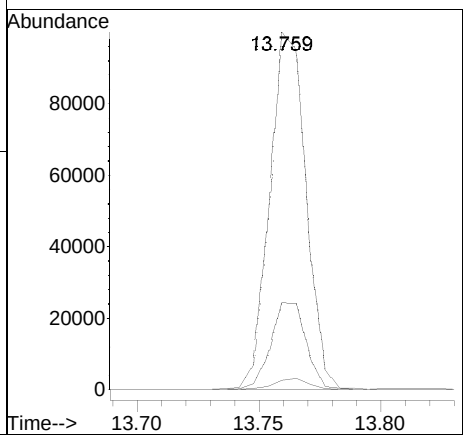


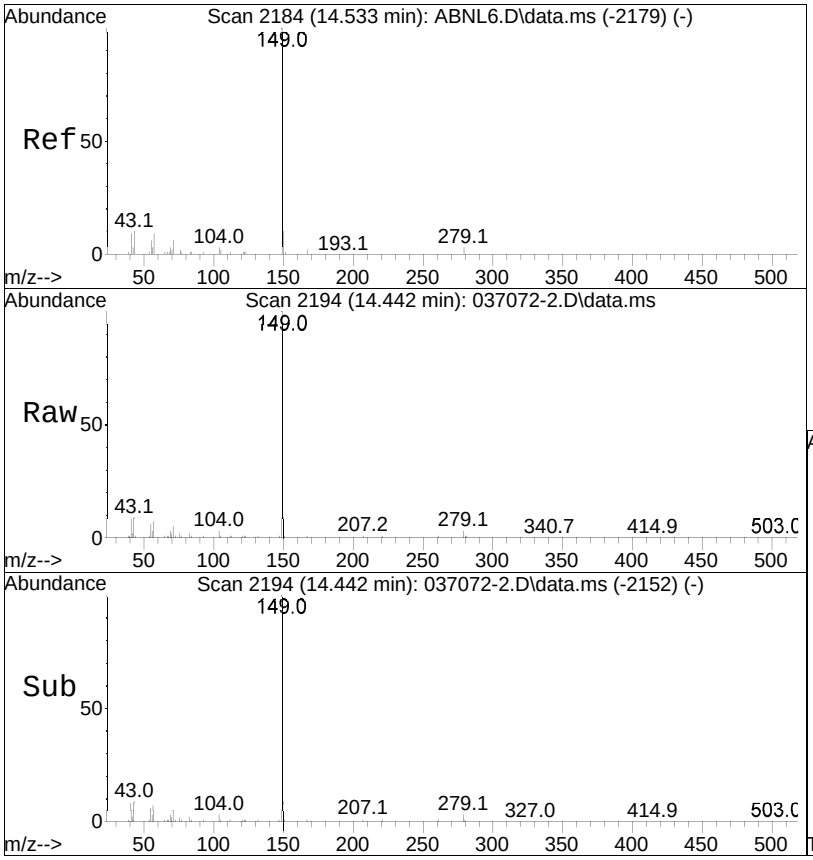


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.17 ug/ml
RT: 13.759 min Scan# 2078
Delta R.T. -0.006 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:149 Resp: 102515

Ion	Ratio	Lower	Upper
149	100		
167	23.8	22.1	33.1
279	2.7	3.0	4.4#

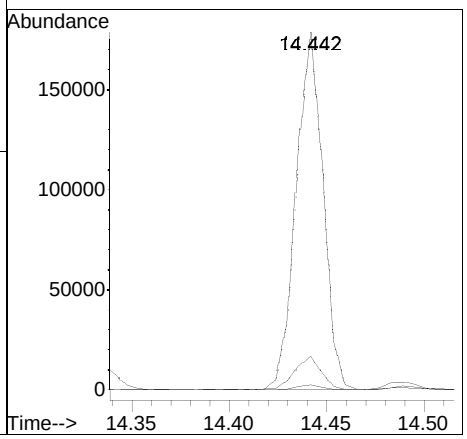




#109
Di-n-octylphthalate
Concen: 2.17 ug/ml
RT: 14.442 min Scan# 2194
Delta R.T. -0.000 min
Lab File: 037072-2.D
Acq: 6 Mar 2025 2:47 am

Tgt Ion:149 Resp: 169808

Ion	Ratio	Lower	Upper
149	100		
43	9.3	18.8	28.2#
167	1.3	1.3	1.9



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-2.D
Acq On : 10 Mar 2025 11:22 pm
Operator : Dakota:ljg
Sample : WG2038540-2,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 08:47:37 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.343	152	25534	4.000	ug/ml	0.00
Standard Area 1 = 27477			Recovery = 92.93%			
27) IS2_1,4-Dichlorobenzen...	4.343	152	25534	4.000	ug/ml	0.00
Standard Area 3 = 31522			Recovery = 81.00%			
32) IS3_1,4-Dichlorobenzen...	4.343	152	25534	4.000	ug/ml	0.00
Standard Area 2 = 28785			Recovery = 88.71%			
37) IS1_Naphthalene-d8	5.580	136	92480	4.000	ug/ml	0.00
Standard Area 1 = 102381			Recovery = 90.33%			
57) IS2_Naphthalene-d8	5.580	136	92480	4.000	ug/ml	0.00
Standard Area 3 = 117255			Recovery = 78.87%			
65) IS1_Acenaphthene-d10	7.277	164	63830	4.000	ug/ml	0.00
Standard Area 1 = 74281			Recovery = 85.93%			
85) IS2_Acenaphthene-d10	7.277	164	63830	4.000	ug/ml	0.00
Standard Area 3 = 80847			Recovery = 78.95%			
88) IS3_Acenaphthene-d10	7.277	164	63830	4.000	ug/ml	0.00
Standard Area 2 = 72248			Recovery = 88.35%			
90) IS1_Phenanthrene-d10	8.694	188	148276	4.000	ug/ml	0.00
Standard Area 1 = 169879			Recovery = 87.28%			
102) IS3_Phenanthrene-d10	8.694	188	148276	4.000	ug/ml	0.00
Standard Area 2 = 176444			Recovery = 84.04%			
106) IS1_Chrysene-d12	11.277	240	183809	4.000	ug/ml	0.00
Standard Area 1 = 213117			Recovery = 86.25%			
115) IS1_Perylene-d12	12.707	264	227329	4.000	ug/ml	0.00
Standard Area 1 = 251655			Recovery = 90.33%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.084	112	8279	1.261	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 63.05%			
7) Phenol-d6	4.079	99	8150	0.969	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.45%			
19) Nitrobenzene-d5	4.893	82	6665	0.874	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.40%			
48) 2-Fluorobiphenyl	6.652	172	19392	0.847	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.70%			
81) 2,4,6-Tribromophenol	8.038	330	8131	1.782	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 89.10%			

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-2.D
Acq On : 10 Mar 2025 11:22 pm
Operator : Dakota:ljg
Sample : WG2038540-2,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 08:47:37 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.264	244	39524	0.921	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 92.10%			
Target Compounds						Qvalue
6) 2-Chlorophenol	4.150	128	12023	1.537	ug/ml#	85
8) Phenol	4.091	94	9004	0.993	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.657	45	15473	1.351	ug/ml#	57
15) 2-Methylphenol	4.666	108	10118	1.468	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.781	70	8382	1.522	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.831	108	10988	1.456	ug/ml#	62
20) Nitrobenzene	4.912	77	11948	1.531	ug/ml	99
21) Isophorone	5.154	82	22061	1.538	ug/ml#	94
22) 2-Nitrophenol	5.229	139	7084	1.793	ug/ml#	86
23) 2,4-Dimethylphenol	5.328	107	11402	1.623	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.399	93	13457	1.506	ug/ml#	96
25) 2,4-Dichlorophenol	5.483	162	13586	1.656	ug/ml#	91
28) Benzaldehyde	3.908	105	9737	2.168	ug/ml	91
29) Acetophenone	4.753	105	16475	1.839	ug/ml#	82
40) 4-Chloroaniline	5.685	65	3749M3	1.341	ug/ml	
42) p-Chloro-m-cresol	6.208	107	12074	1.802	ug/ml	90
45) Hexachlorocyclopentadiene	6.450	237	9276	1.474	ug/ml	95
46) 2,4,6-Trichlorophenol	6.577	196	10474	1.581	ug/ml	94
47) 2,4,5-Trichlorophenol	6.618	196	13222	1.785	ug/ml	95
50) 2-Nitroaniline	6.863	138	8822	1.749	ug/ml#	79
53) Dimethyl phthalate	7.065	163	41657	1.818	ug/ml#	97
55) 2,6-Dinitrotoluene	7.109	165	7737	1.809	ug/ml#	79
62) Caprolactam	5.984	55	2094	0.737	ug/ml#	72
63) 1,2,4,5-Tetrachloroben...	6.450	216	16278	1.705	ug/ml	96
64) Biphenyl	6.739	154	35403	1.819	ug/ml	96
66) 3-Nitroaniline	7.261	138	8287	1.681	ug/ml#	83
68) 2,4-Dinitrophenol	7.367	184	2549	1.370	ug/ml#	74
69) Dibenzofuran	7.476	168	51190	1.599	ug/ml	90
70) 2,4-Dinitrotoluene	7.491	165	11014	1.783	ug/ml	85
71) 4-Nitrophenol	7.494	65	4989	1.358	ug/ml	86
74) Diethyl phthalate	7.755	149	40249	1.602	ug/ml	99
76) 4-Chlorophenyl phenyl ...	7.830	204	20629	1.633	ug/ml#	86
77) 4-Nitroaniline	7.846	138	8800	1.847	ug/ml#	76

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-2.D
Acq On : 10 Mar 2025 11:22 pm
Operator : Dakota:ljg
Sample : WG2038540-2,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 08:47:37 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	4,6-Dinitro-o-cresol	7.883	198	6376	1.707	ug/ml#	58
79)	NDPA/DPA	7.948	169	35631	1.671	ug/ml	93
82)	4-Bromophenyl phenyl e...	8.293	248	14292	1.717	ug/ml#	78
89)	Atrazine	8.489	200	12495	2.282	ug/ml	92
93)	Carbazole	8.943	167	66789	1.693	ug/ml	98
94)	Di-n-butylphthalate	9.341	149	74826	1.673	ug/ml	99
99)	Butyl benzyl phthalate	10.786	149	34660	1.809	ug/ml#	81
108)	3,3'-Dichlorobenzidine	11.277	252	30511	1.315	ug/ml#	96
110)	Bis(2-ethylhexyl)phtha...	11.417	149	56191	1.683	ug/ml#	90
111)	Di-n-octylphthalate	12.076	149	93815	1.685	ug/ml#	74

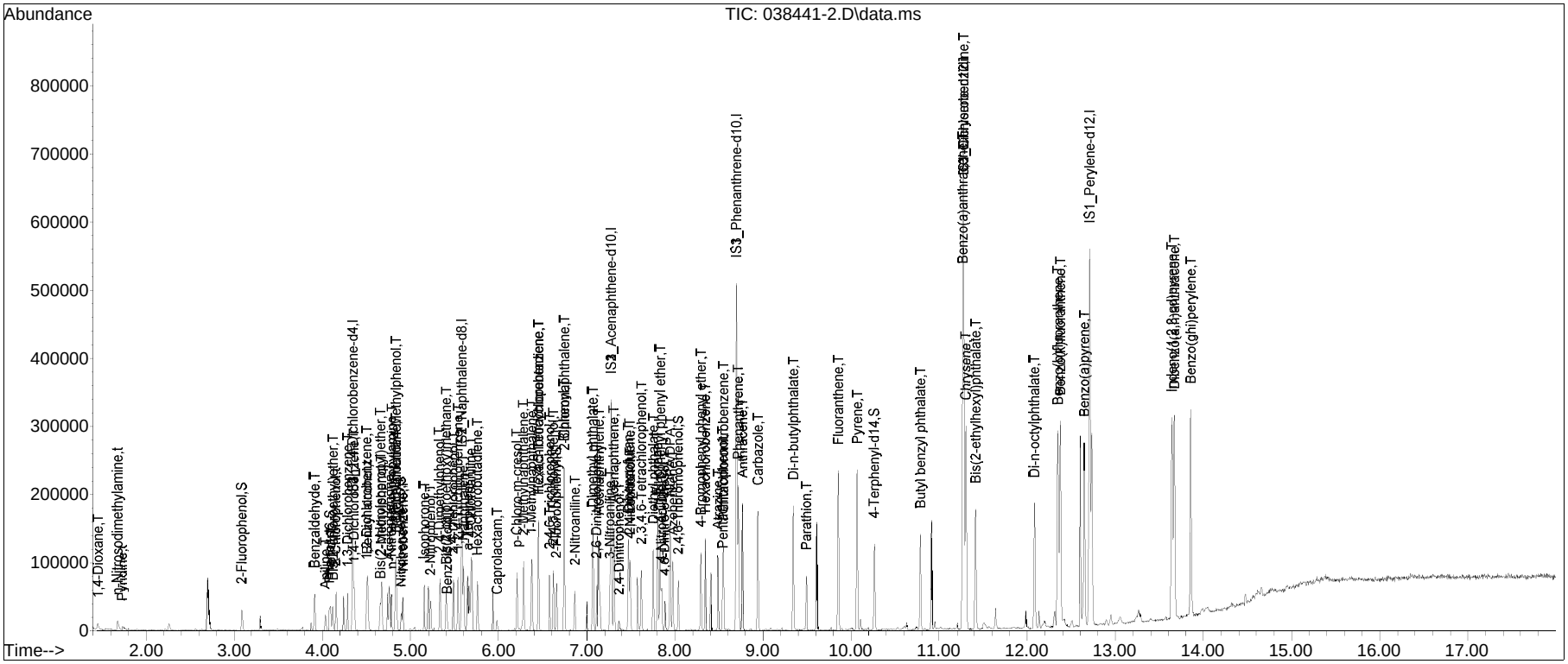
(#) = qualifier out of range (m) = manual integration (+) = signals summed

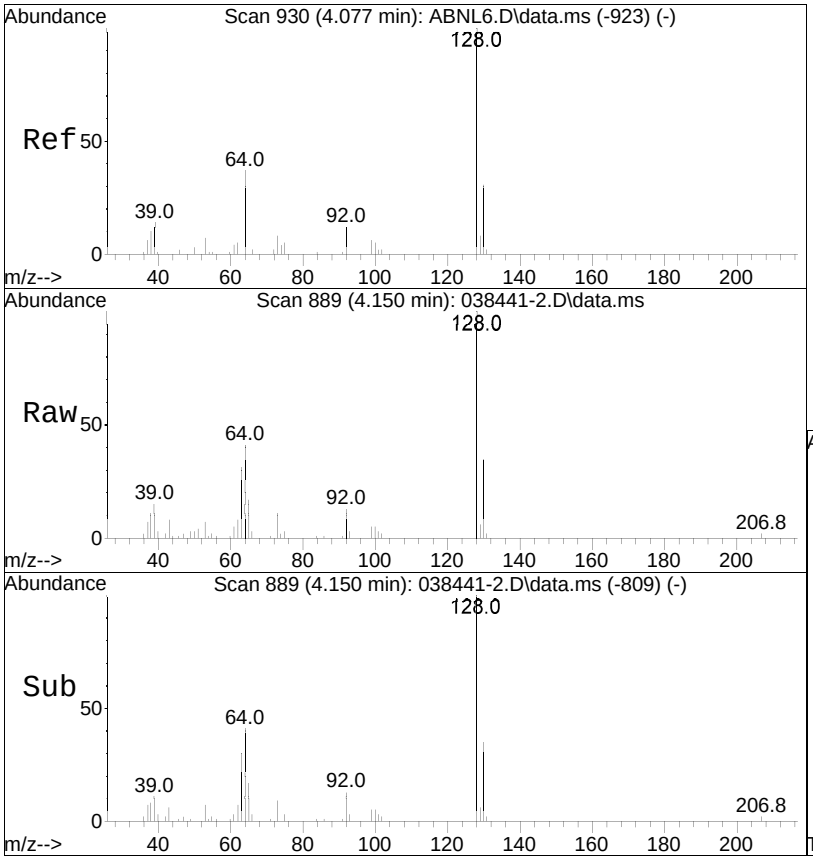
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-2.D
Acq On : 10 Mar 2025 11:22 pm
Operator : Dakota:ljg
Sample : WG2038540-2,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 08:47:37 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA0RVTn\AP90310n.D•

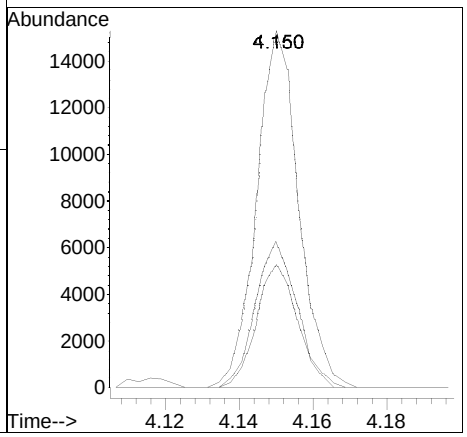


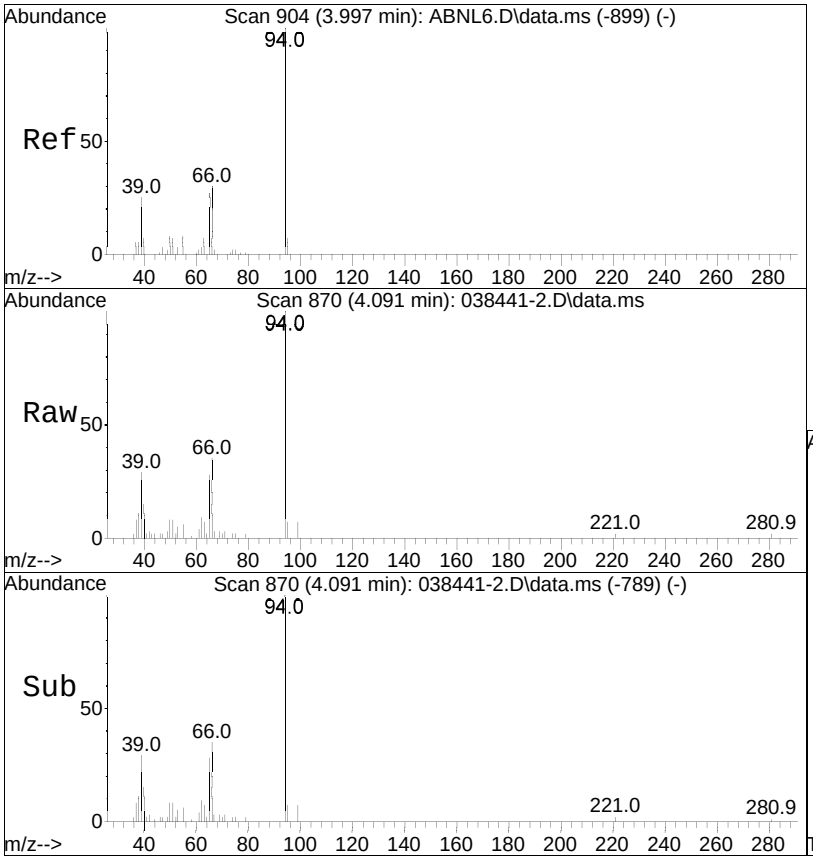


#6
2-Chlorophenol
Concen: 1.54 ug/ml
RT: 4.150 min Scan# 889
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:128 Resp: 12023

Ion	Ratio	Lower	Upper
128	100		
64	40.4	45.1	67.7#
130	34.5	26.2	39.4

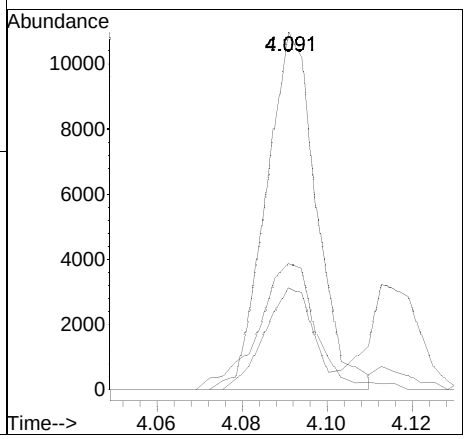


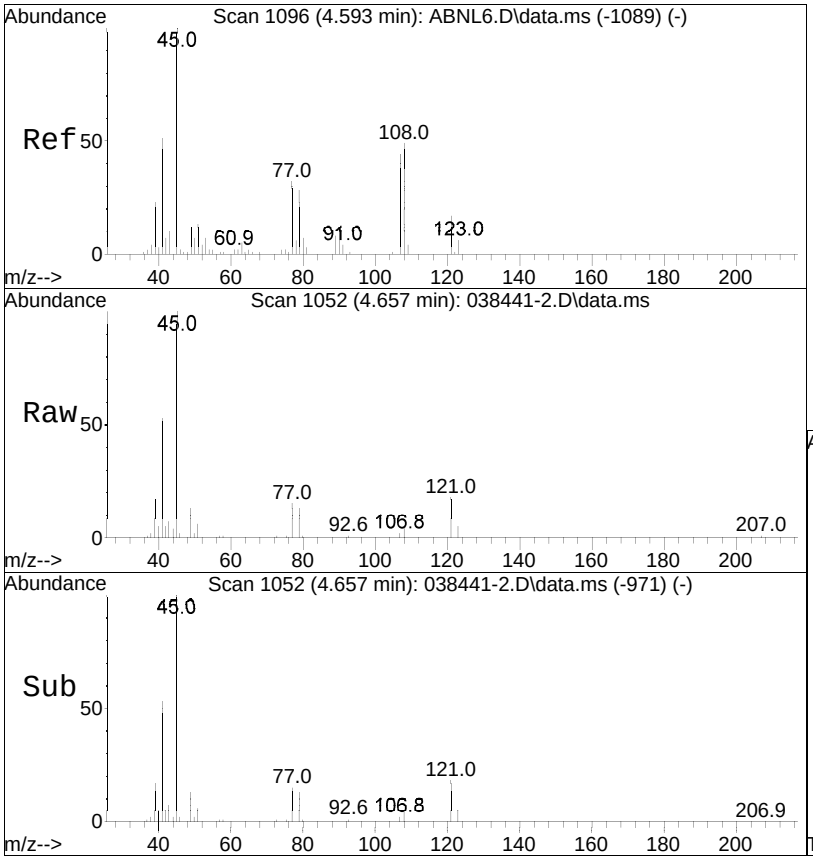


#8
Phenol
Concen: 0.99 ug/ml
RT: 4.091 min Scan# 870
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 94 Resp: 9004

Ion	Ratio	Lower	Upper
94	100		
65	28.7	26.0	39.0
66	40.8	33.8	50.8

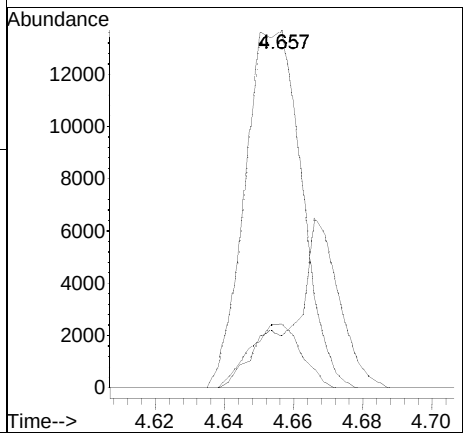


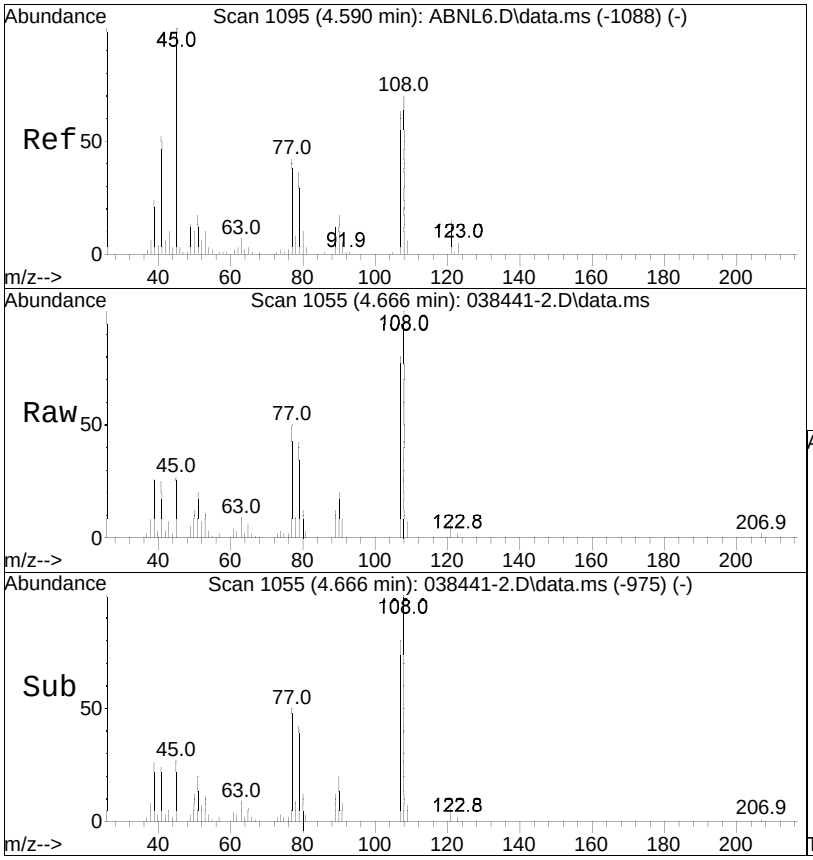


#14
Bis(2-chloroisopropyl)ether
Concen: 1.35 ug/ml
RT: 4.657 min Scan# 1052
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 45 Resp: 15473

Ion	Ratio	Lower	Upper
45	100		
121	16.4	9.8	14.6#
77	40.7	6.1	9.1#

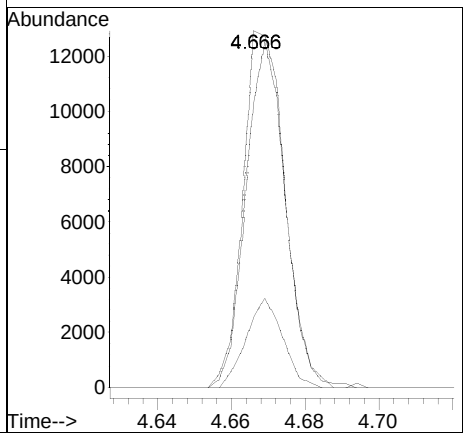


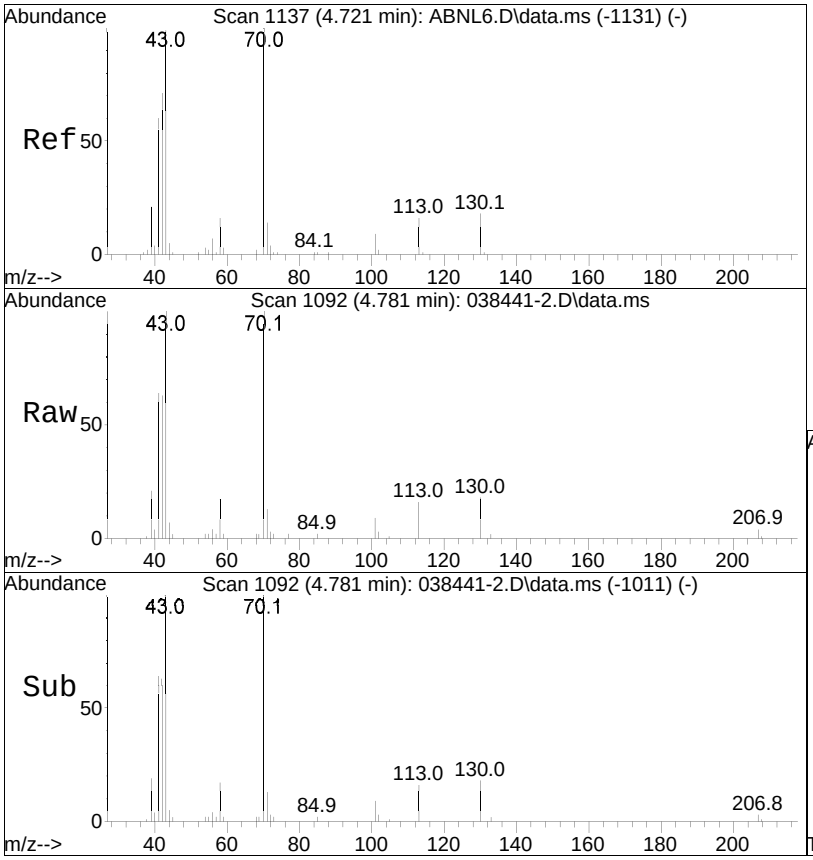


#15
2-Methylphenol
Concen: 1.47 ug/ml
RT: 4.666 min Scan# 1055
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:108 Resp: 10118

Ion	Ratio	Lower	Upper
108	100		
107	91.7	70.7	106.1
90	22.1	18.7	28.1

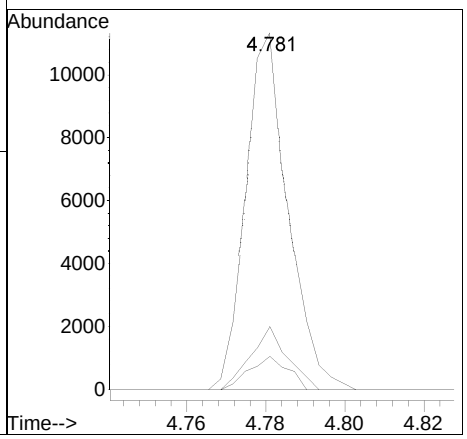


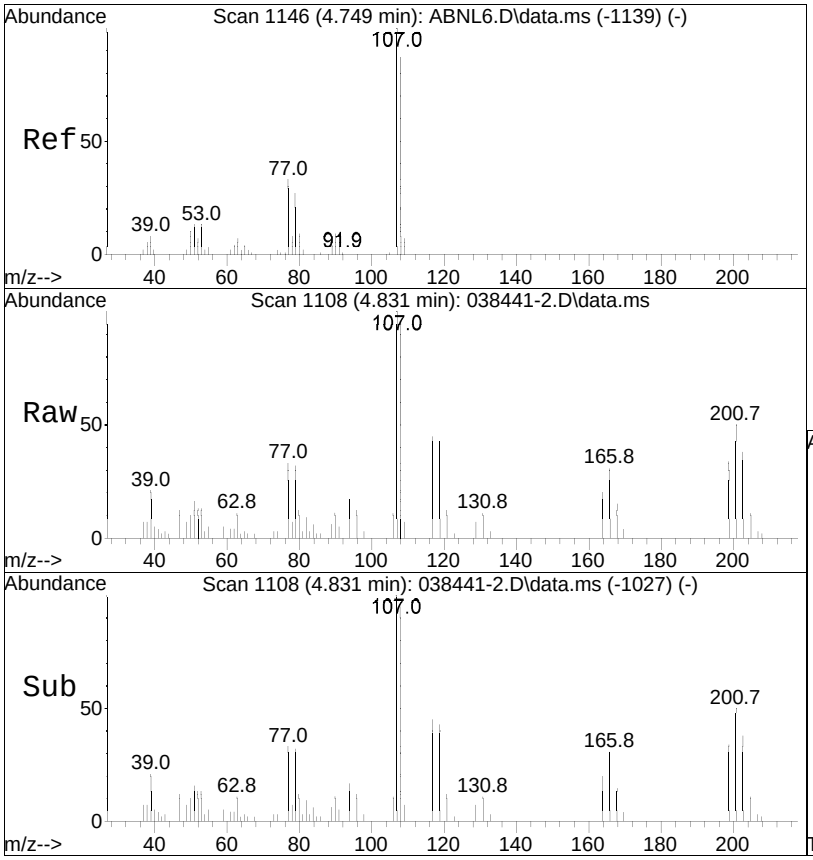


#17
n-Nitrosodi-n-propylamine
Concen: 1.52 ug/ml
RT: 4.781 min Scan# 1092
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 70 Resp: 8382

Ion	Ratio	Lower	Upper
70	100		
130	15.4	18.2	27.4#
101	8.6	7.8	11.8

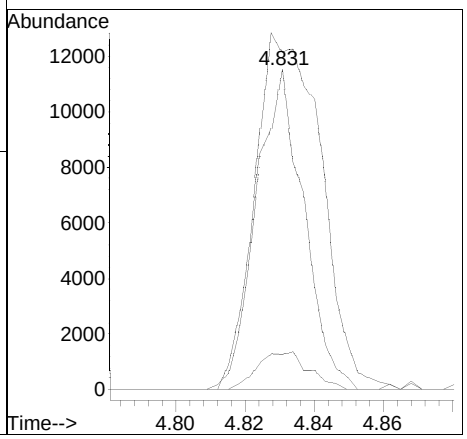


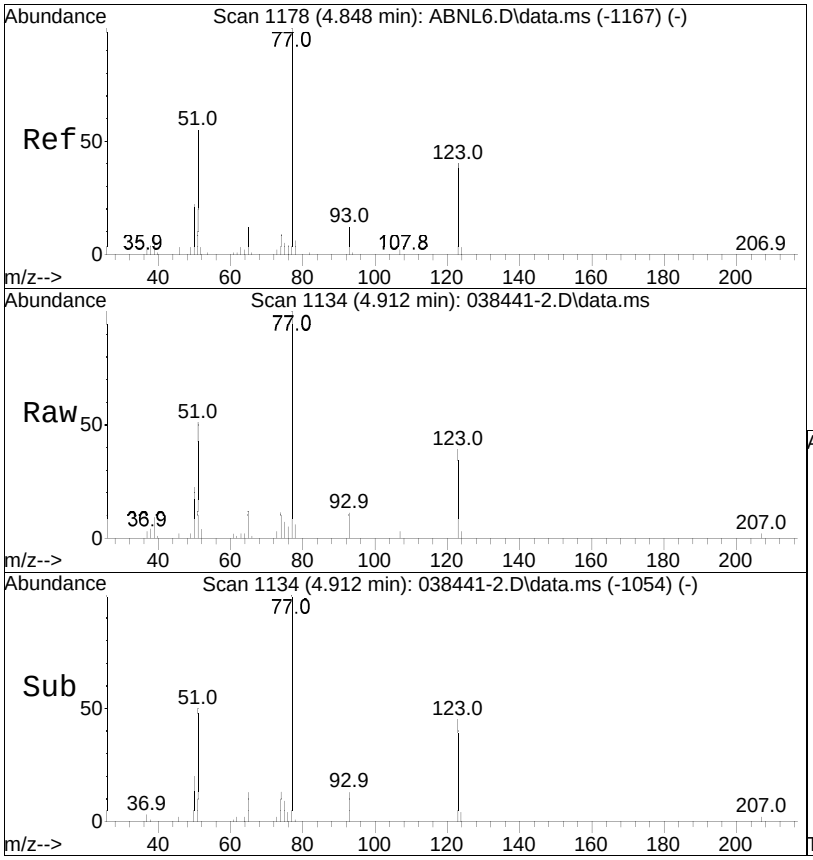


#18
3-Methylphenol/4-Methylphenol
Concen: 1.46 ug/ml
RT: 4.831 min Scan# 1108
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:108 Resp: 10988

Ion	Ratio	Lower	Upper
108	100		
107	154.3	88.6	132.8#
90	12.8	8.8	13.2

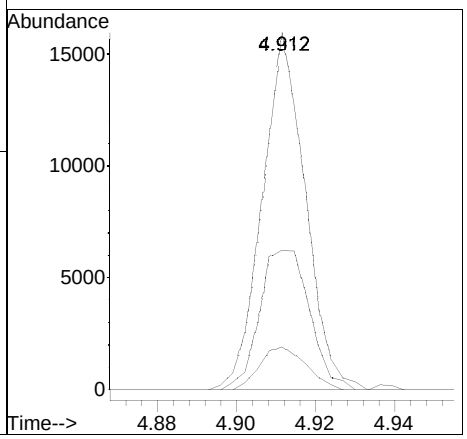


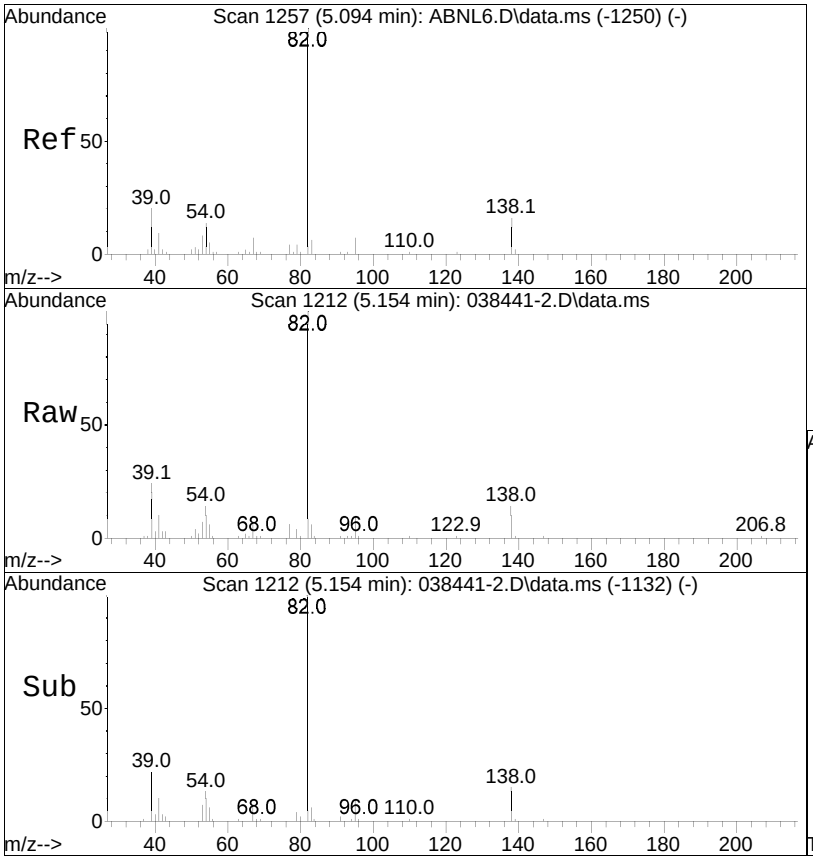


#20
Nitrobenzene
Concen: 1.53 ug/ml
RT: 4.912 min Scan# 1134
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 77 Resp: 11948

Ion	Ratio	Lower	Upper
77	100		
123	45.7	36.3	54.5
65	13.1	11.6	17.4

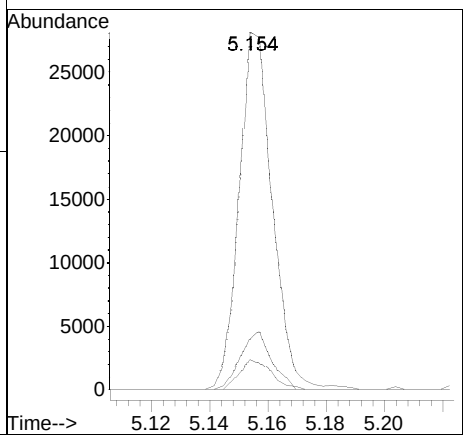


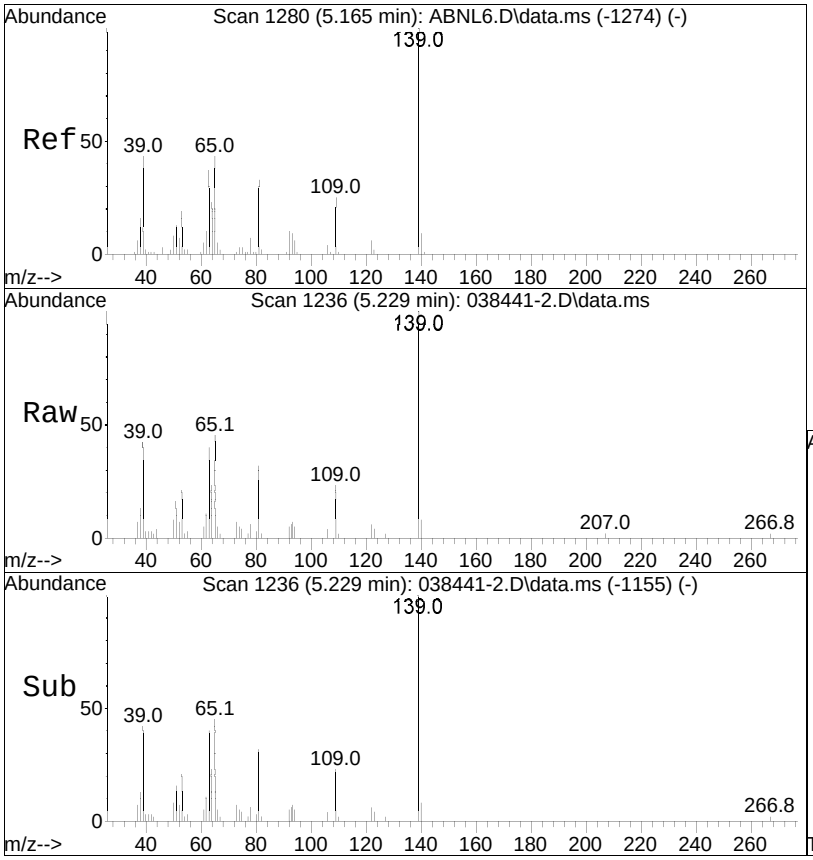


#21
Isophorone
Concen: 1.54 ug/ml
RT: 5.154 min Scan# 1212
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 82 Resp: 22061

Ion	Ratio	Lower	Upper
82	100		
138	15.2	14.7	22.1
95	8.1	5.2	7.8#

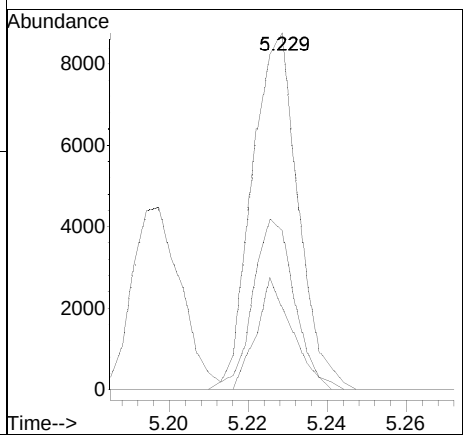


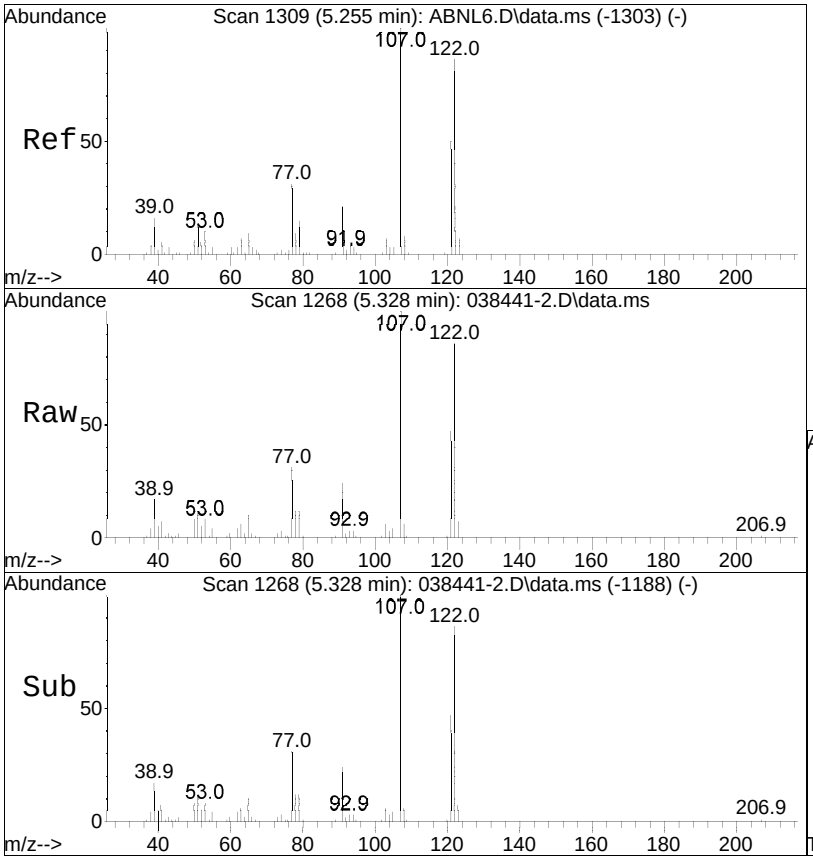


#22
2-Nitrophenol
Concen: 1.79 ug/ml
RT: 5.229 min Scan# 1236
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:139 Resp: 7084

Ion	Ratio	Lower	Upper
139	100		
109	24.4	19.4	29.0
65	42.9	46.1	69.1#

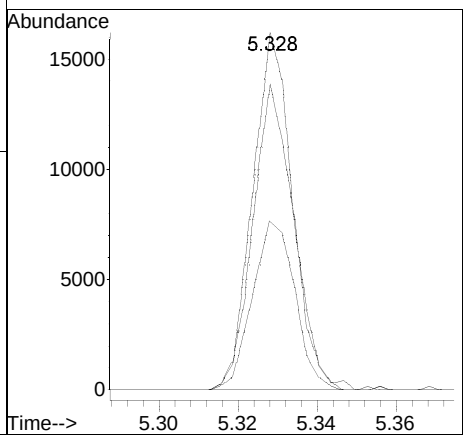


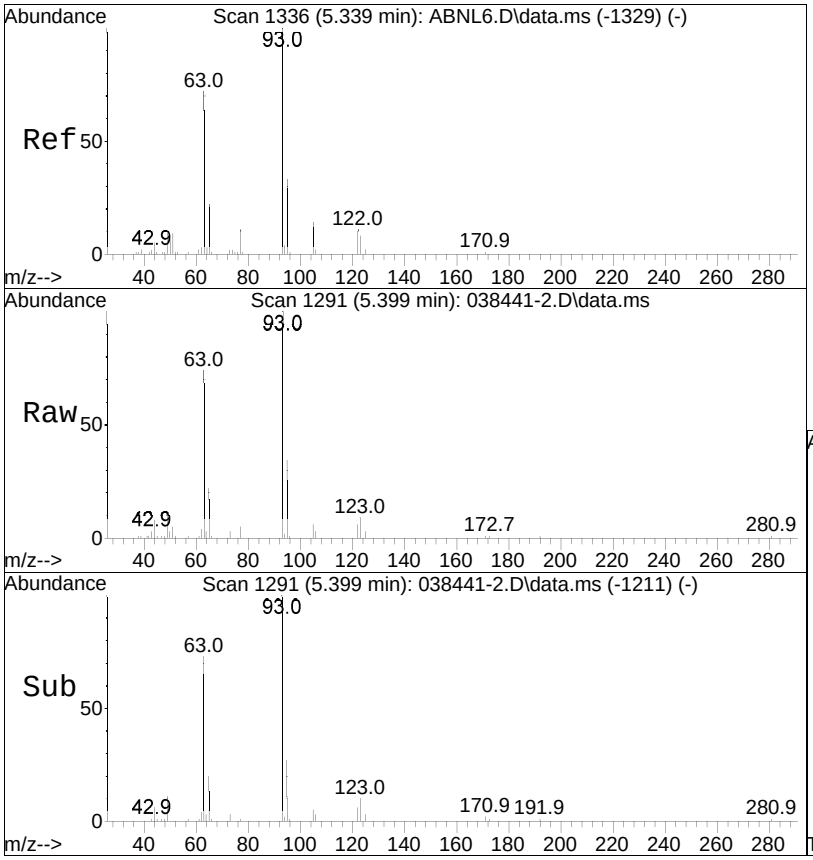


#23
2,4-Dimethylphenol
Concen: 1.62 ug/ml
RT: 5.328 min Scan# 1268
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:107 Resp: 11402

Ion	Ratio	Lower	Upper
107	100		
121	50.1	40.0	60.0
122	85.9	70.2	105.4

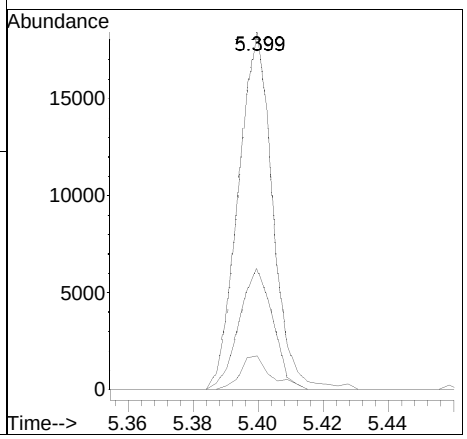


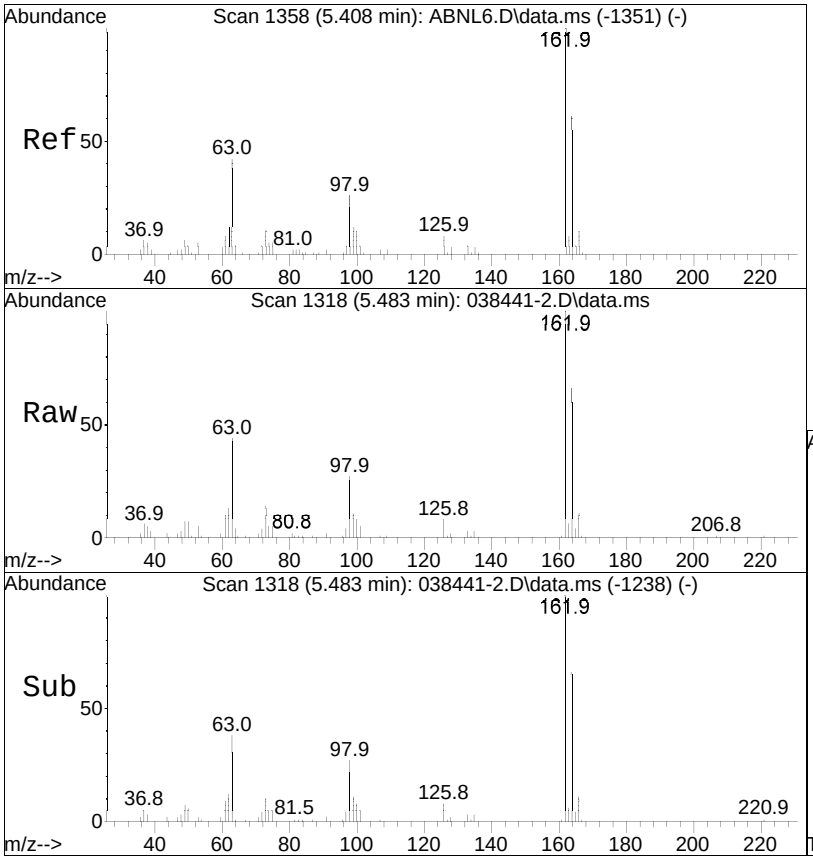


#24
Bis(2-chloroethoxy)methane
Concen: 1.51 ug/ml
RT: 5.399 min Scan# 1291
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 93 Resp: 13457

Ion	Ratio	Lower	Upper
93	100		
95	33.4	25.8	38.8
123	8.4	10.1	15.1#

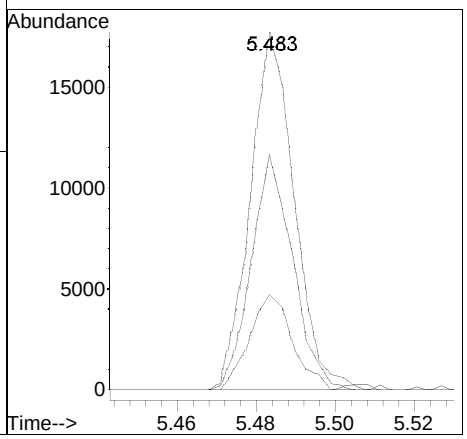


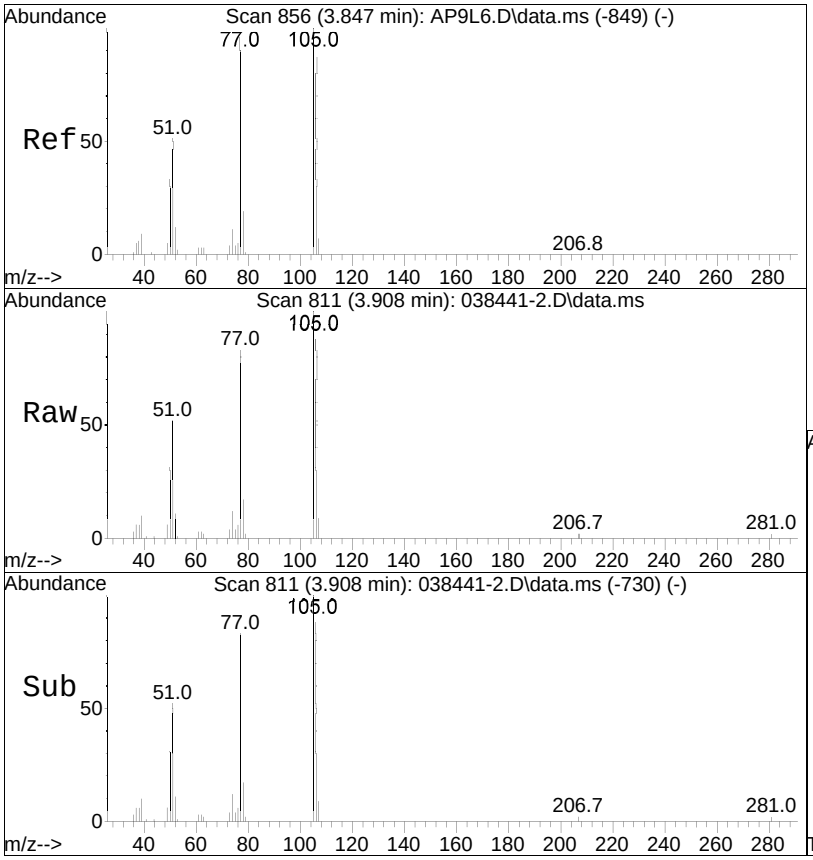


#25
2,4-Dichlorophenol
Concen: 1.66 ug/ml
RT: 5.483 min Scan# 1318
Delta R.T. 0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:162 Resp: 13586

Ion	Ratio	Lower	Upper
162	100		
164	62.9	51.0	76.4
98	26.4	32.2	48.2#

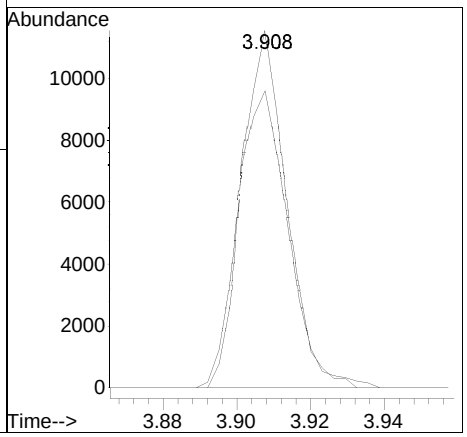


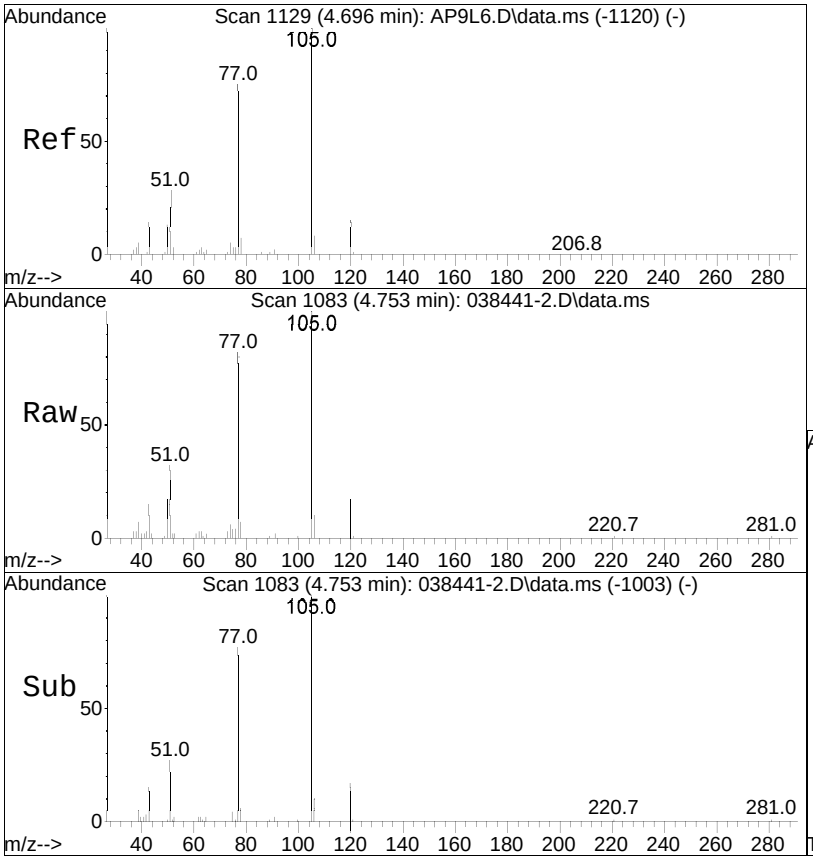


#28
Benzaldehyde
Concen: 2.17 ug/ml
RT: 3.908 min Scan# 811
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:105 Resp: 9737

Ion	Ratio	Lower	Upper
105	100		
77	93.9	82.2	123.4

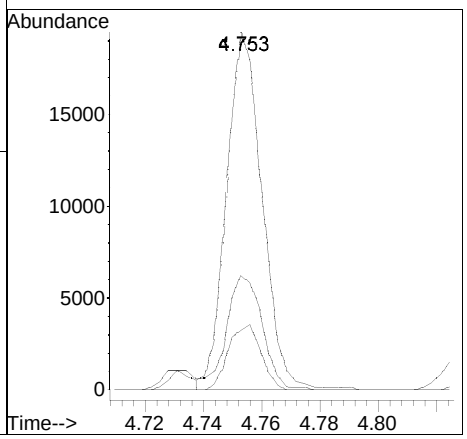


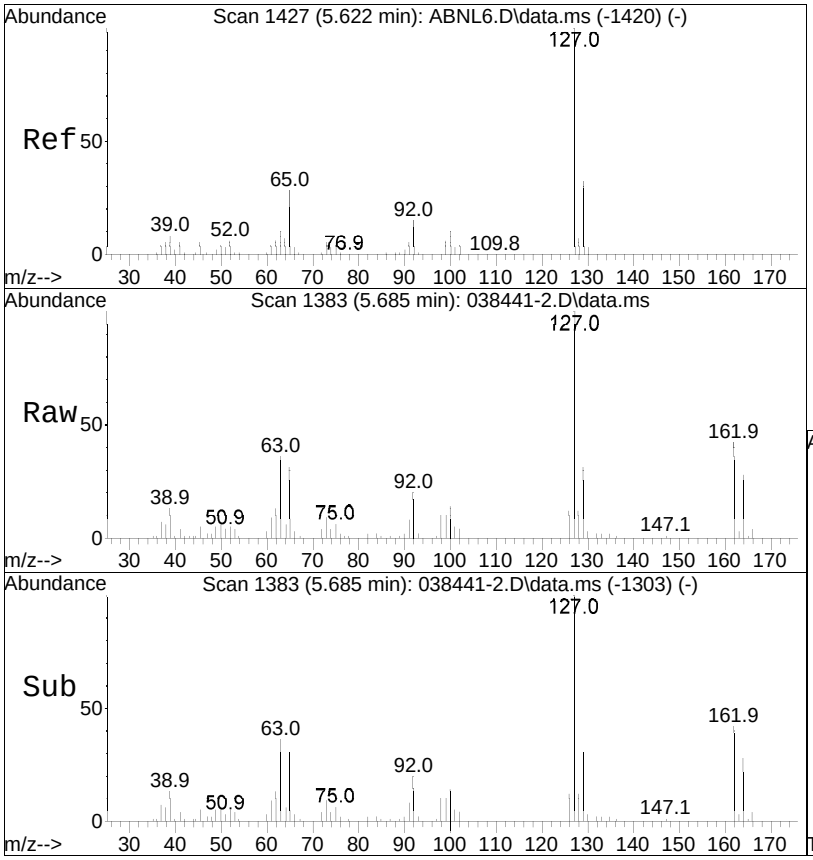


#29
Acetophenone
Concen: 1.84 ug/ml
RT: 4.753 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:105 Resp: 16475

Ion	Ratio	Lower	Upper
105	100		
120	16.7	20.5	30.7#
51	32.3	34.9	52.3#

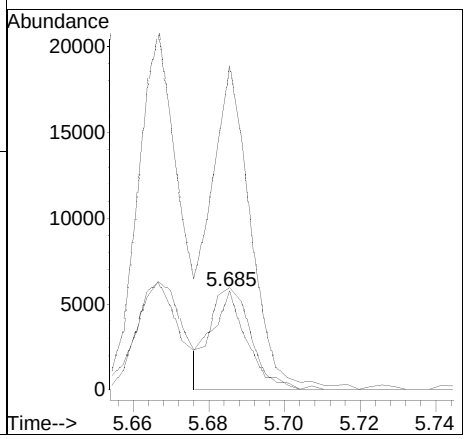


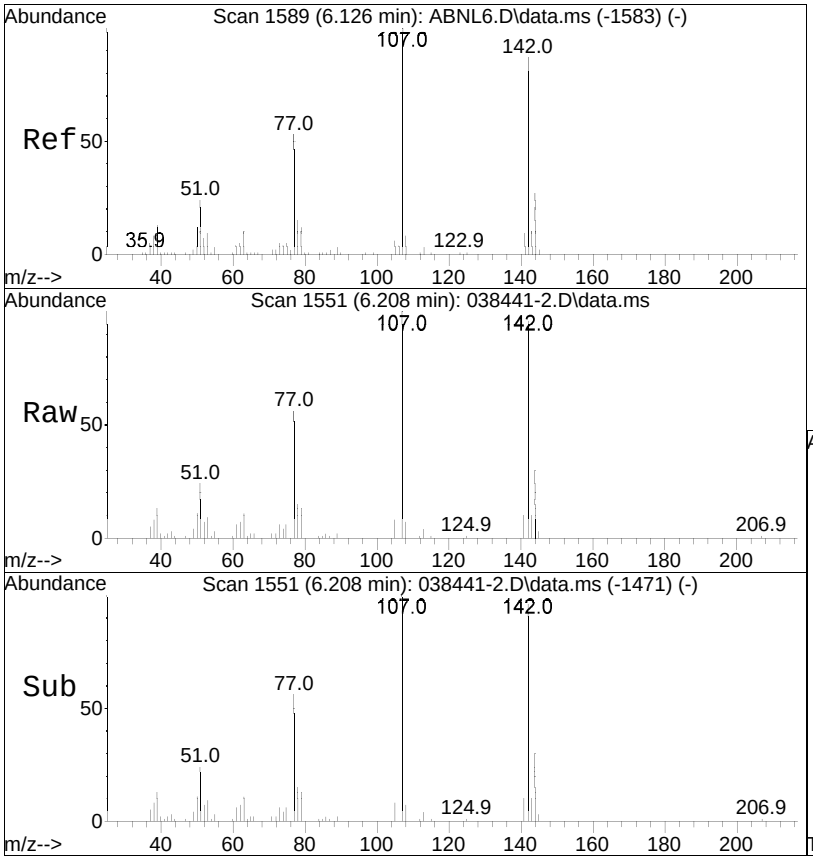


#40
4-Chloroaniline
Concen: 1.34 ug/ml M3
RT: 5.685 min Scan# 1383
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 65 Resp: 3749

Ion	Ratio	Lower	Upper
65	100		
127	422.9	237.6	356.4#
129	140.0	76.3	114.5#

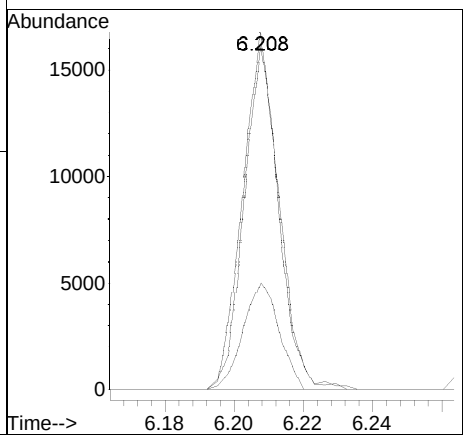


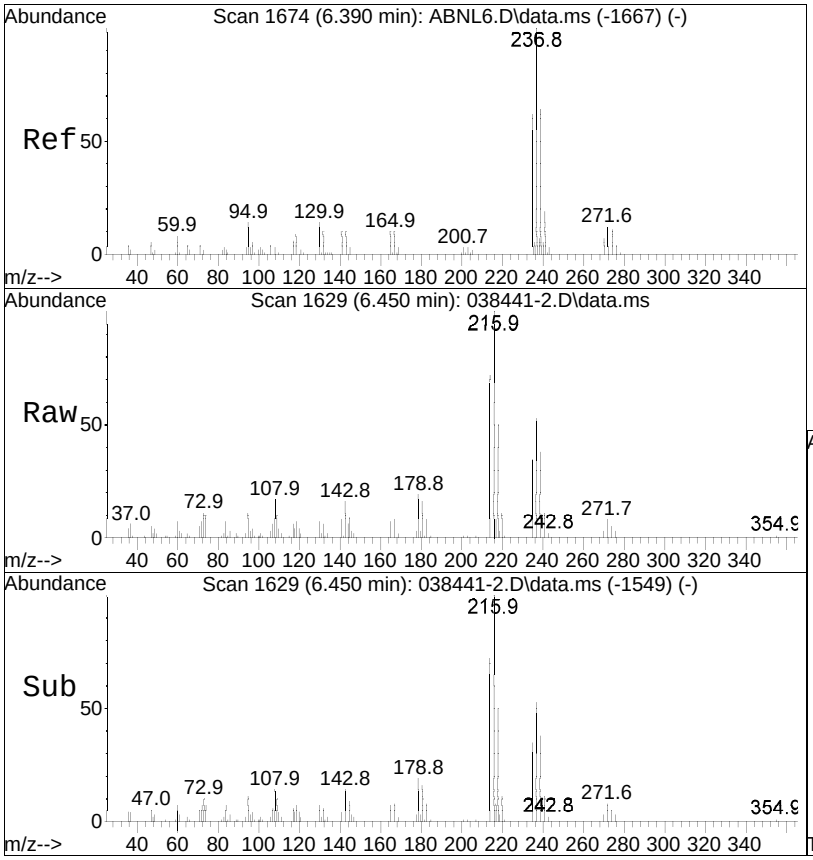


#42
p-Chloro-m-cresol
Concen: 1.80 ug/ml
RT: 6.208 min Scan# 1551
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:107 Resp: 12074

Ion	Ratio	Lower	Upper
107	100		
144	29.9	20.9	31.3
142	91.7	66.1	99.1

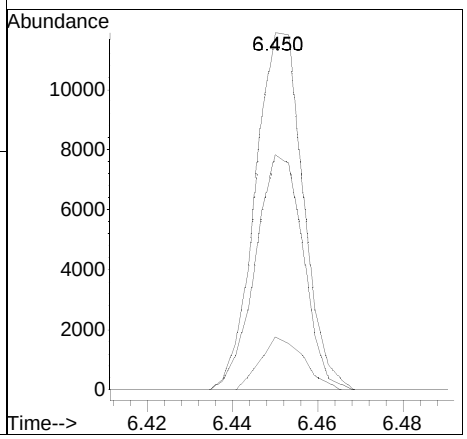


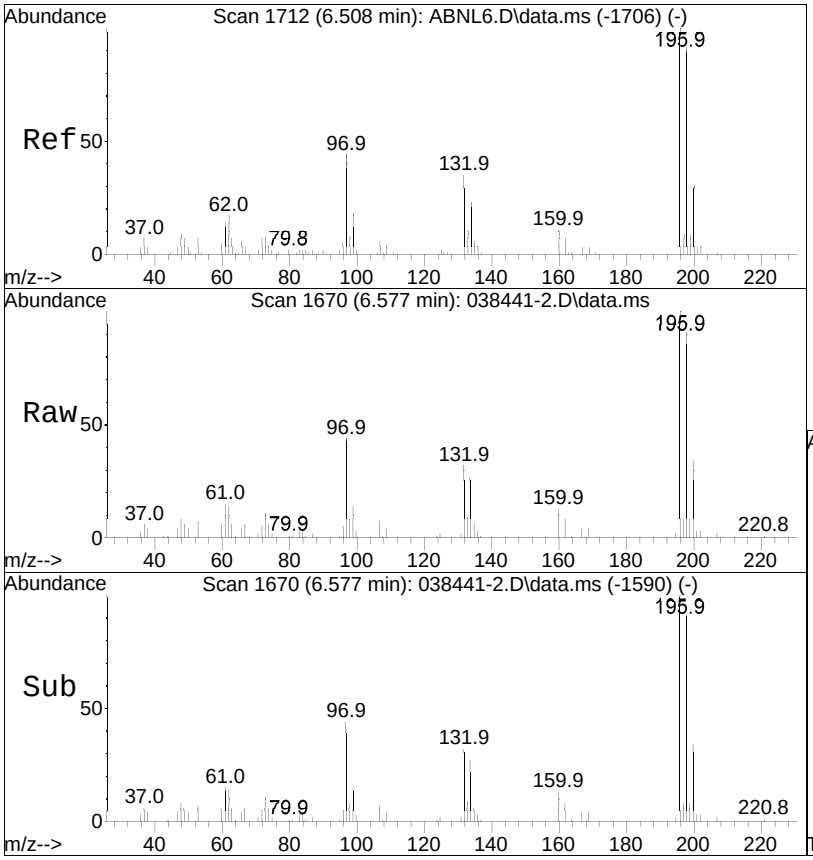


#45
Hexachlorocyclopentadiene
Concen: 1.47 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:237 Resp: 9276

Ion	Ratio	Lower	Upper
237	100		
235	66.0	49.7	74.5
272	13.5	9.8	14.6

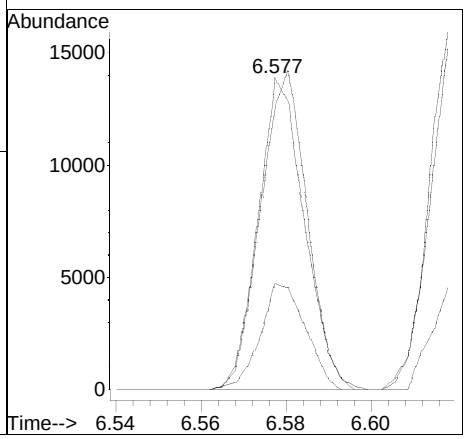


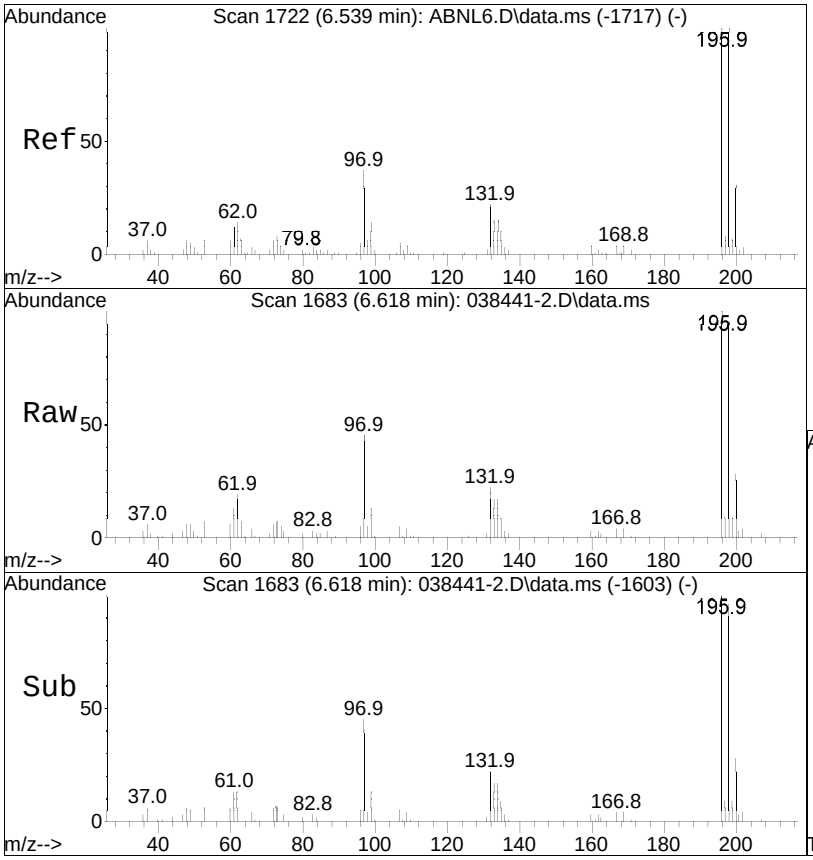


#46
2,4,6-Trichlorophenol
Concen: 1.58 ug/ml
RT: 6.577 min Scan# 1670
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:196 Resp: 10474

Ion	Ratio	Lower	Upper
196	100		
198	102.7	77.5	116.3
200	33.6	23.8	35.6

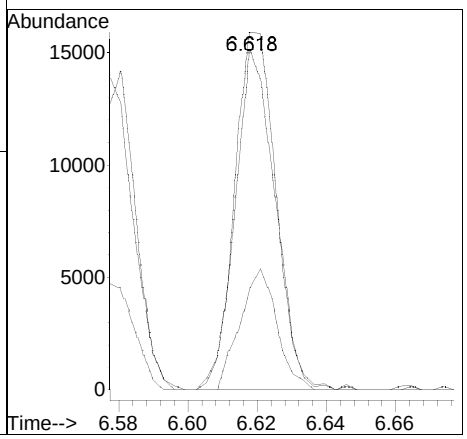


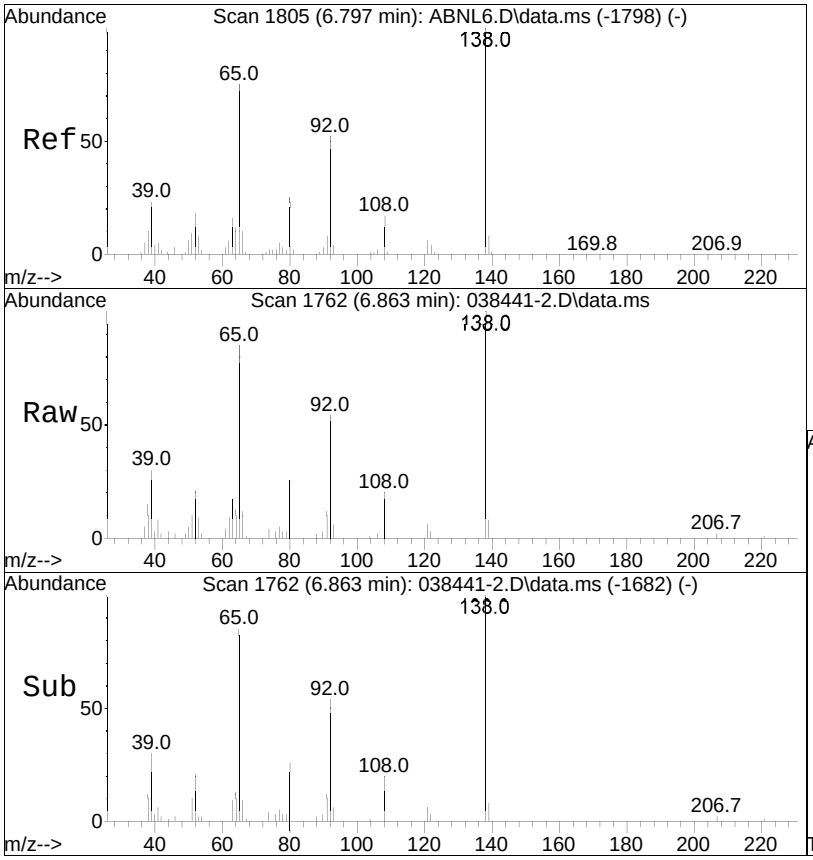


#47
2,4,5-Trichlorophenol
Concen: 1.78 ug/ml
RT: 6.618 min Scan# 1683
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:196 Resp: 13222

Ion	Ratio	Lower	Upper
196	100		
200	30.1	25.4	38.0
198	91.5	78.0	117.0

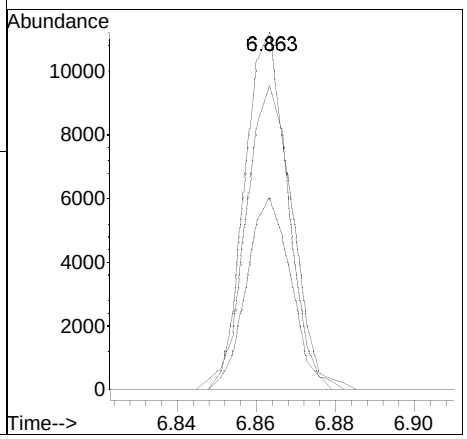


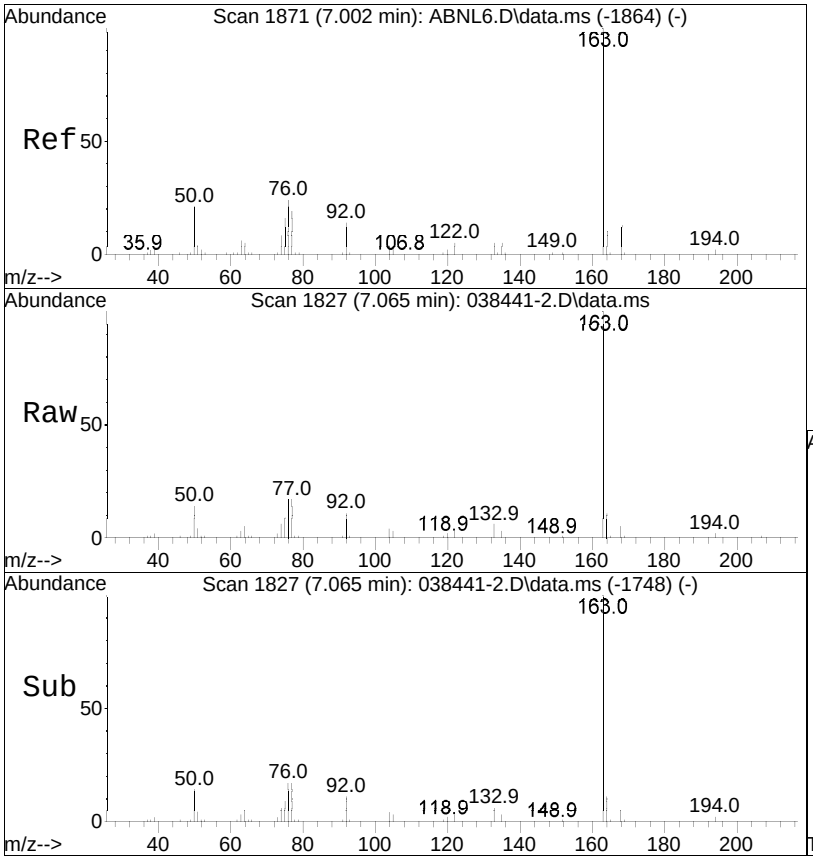


#50
2-Nitroaniline
Concen: 1.75 ug/ml
RT: 6.863 min Scan# 1762
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:138 Resp: 8822

Ion	Ratio	Lower	Upper
138	100		
92	53.0	53.5	80.3#
65	84.4	86.3	129.5#

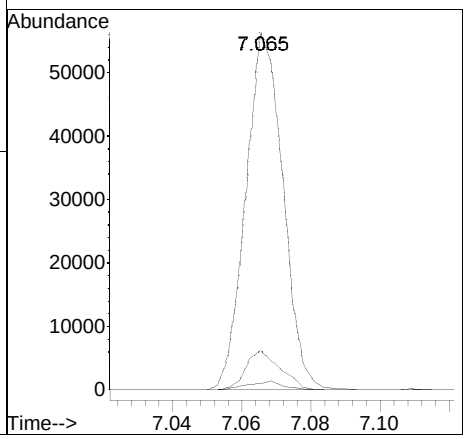


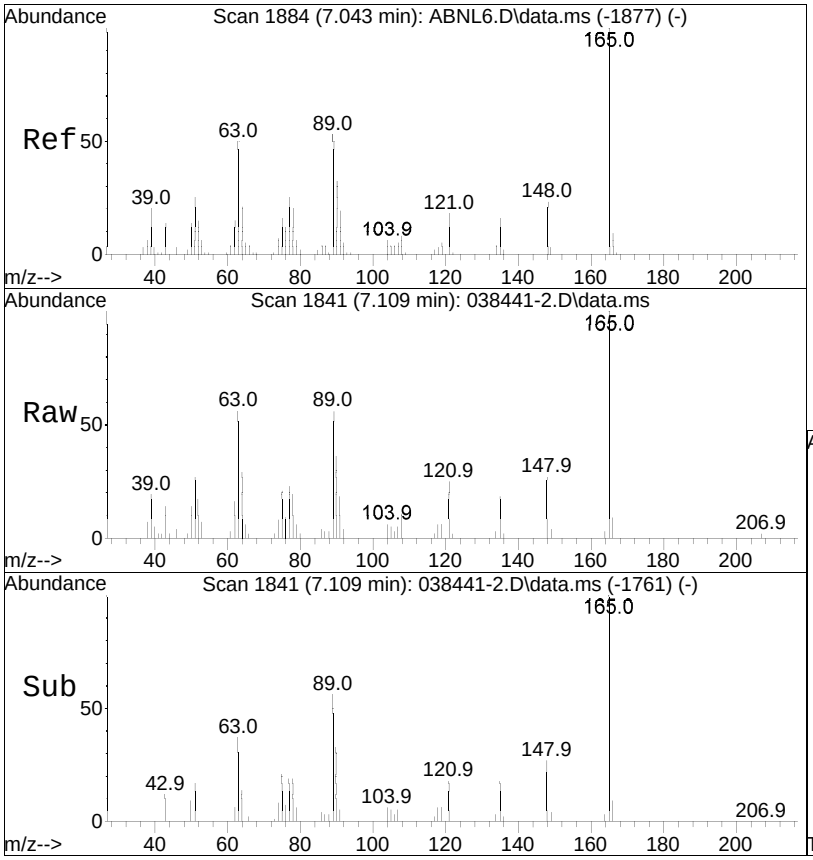


#53
Dimethyl phthalate
Concen: 1.82 ug/ml
RT: 7.065 min Scan# 1827
Delta R.T. -0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:163 Resp: 41657

Ion	Ratio	Lower	Upper
163	100		
194	2.5	3.5	5.3#
164	10.4	7.9	11.9

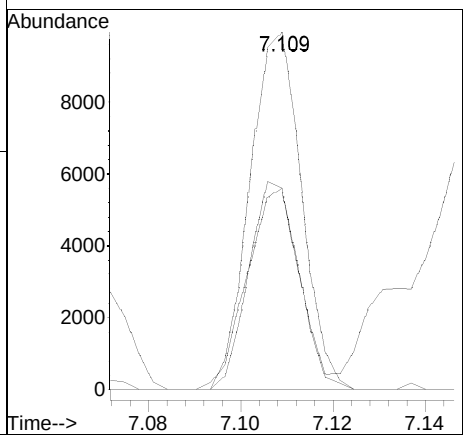


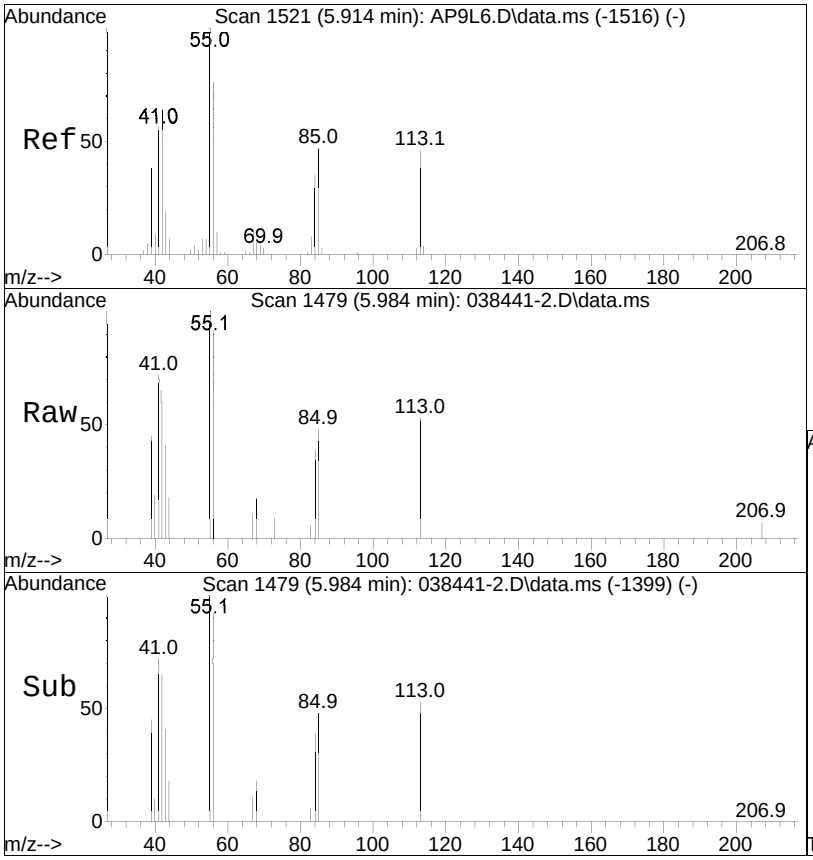


#55
2,6-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 7.109 min Scan# 1841
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:165 Resp: 7737

Ion	Ratio	Lower	Upper
165	100		
89	56.5	54.2	81.2
63	57.1	64.2	96.2#

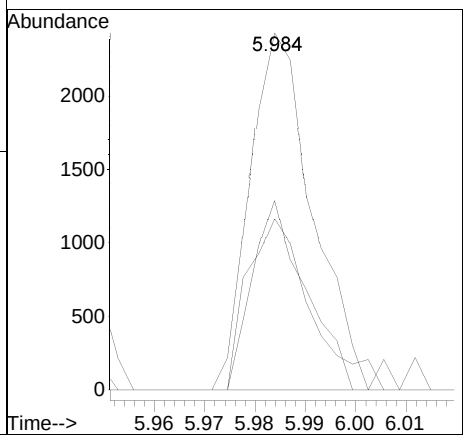


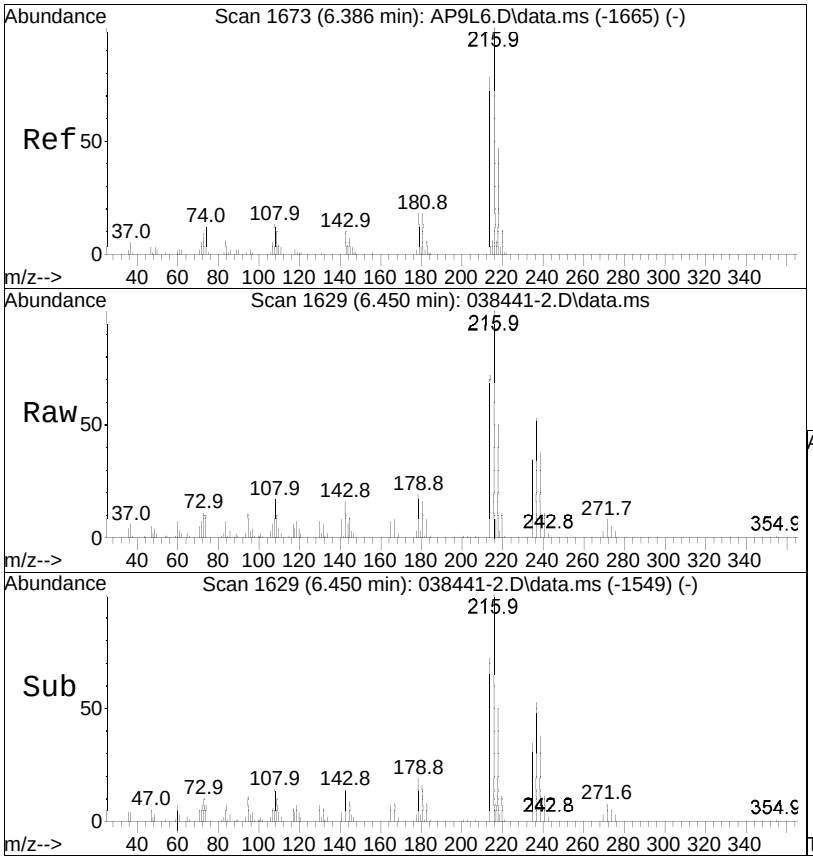


#62
Caprolactam
Concen: 0.74 ug/ml
RT: 5.984 min Scan# 1479
Delta R.T. 0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 55 Resp: 2094

Ion	Ratio	Lower	Upper
55	100		
85	48.4	19.8	29.6#
113	45.5	29.6	44.4#

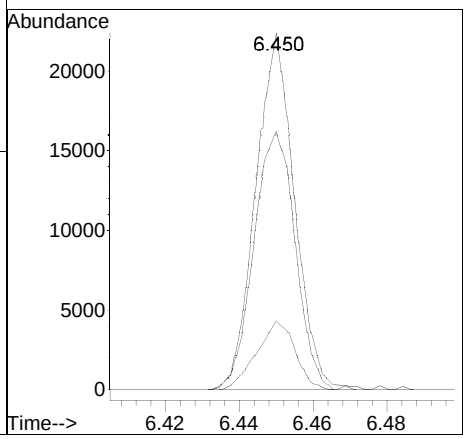


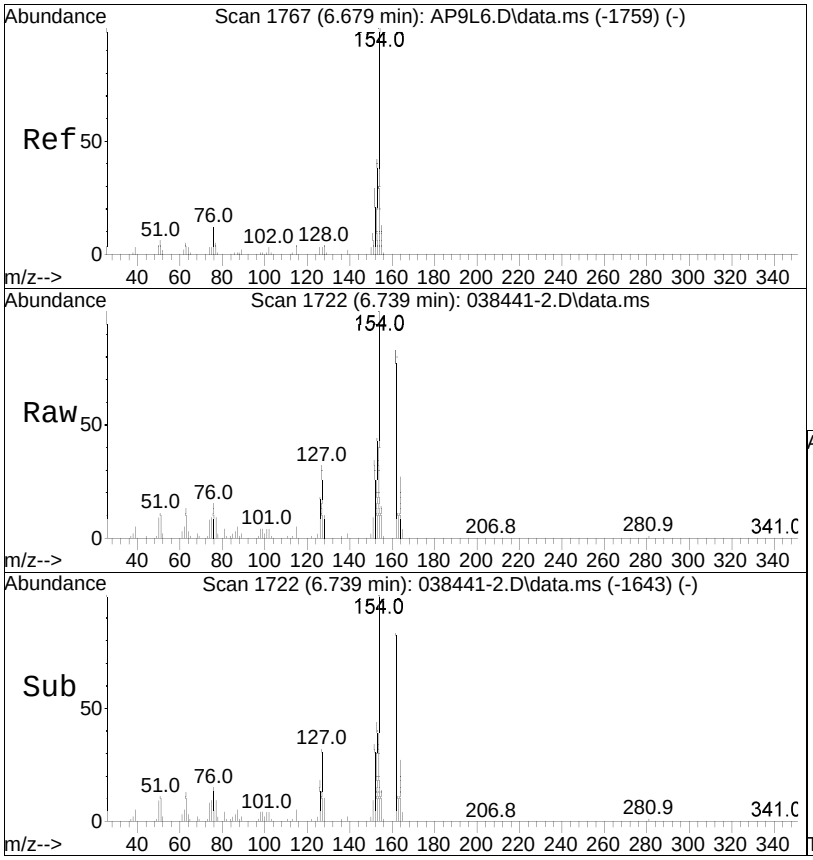


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.70 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. 0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:216 Resp: 16278

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.7	95.5
179	19.3	19.0	28.6

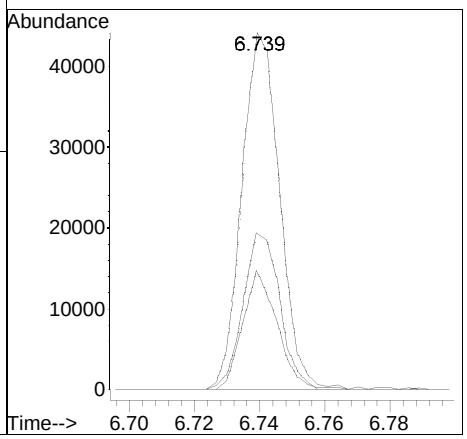


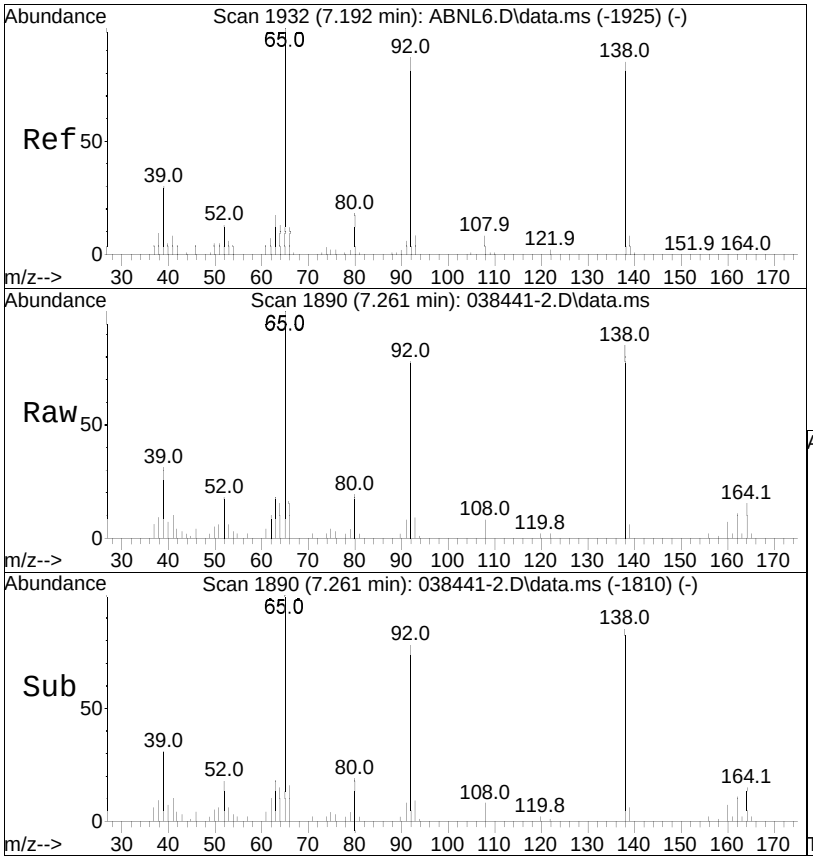


#64
Biphenyl
Concen: 1.82 ug/ml
RT: 6.739 min Scan# 1722
Delta R.T. -0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:154 Resp: 35403

Ion	Ratio	Lower	Upper
154	100		
153	42.9	32.3	48.5
152	30.6	22.5	33.7

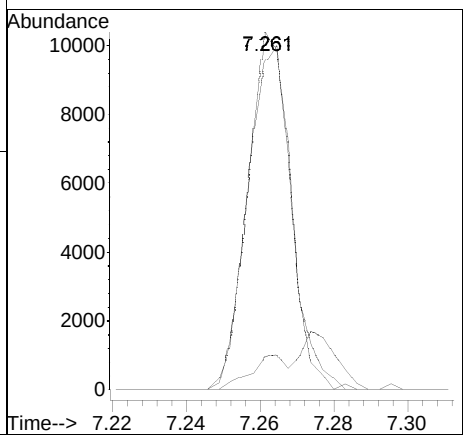


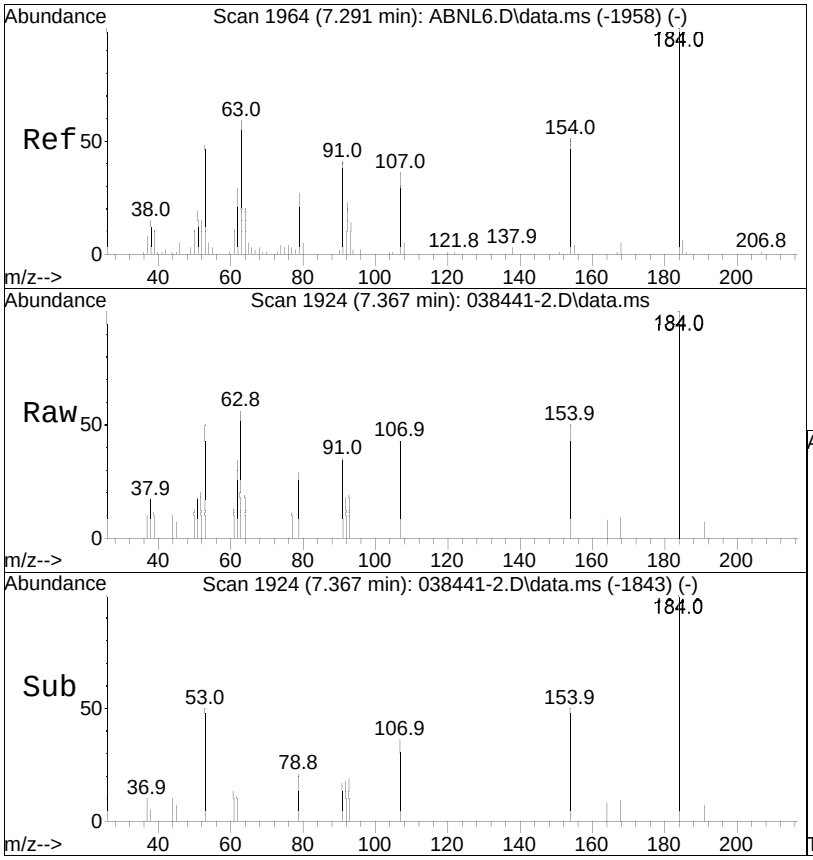


#66
3-Nitroaniline
Concen: 1.68 ug/ml
RT: 7.261 min Scan# 1890
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:138 Resp: 8287

Ion	Ratio	Lower	Upper
138	100		
92	99.0	93.4	140.2
108	21.8	9.5	14.3#

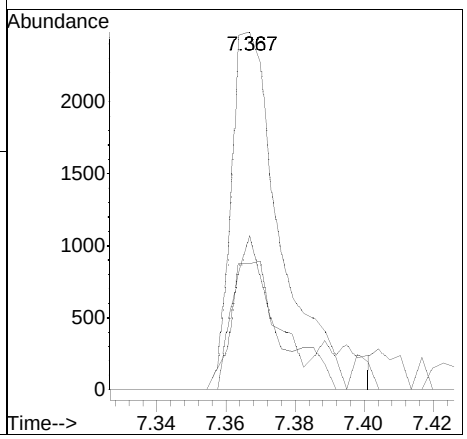


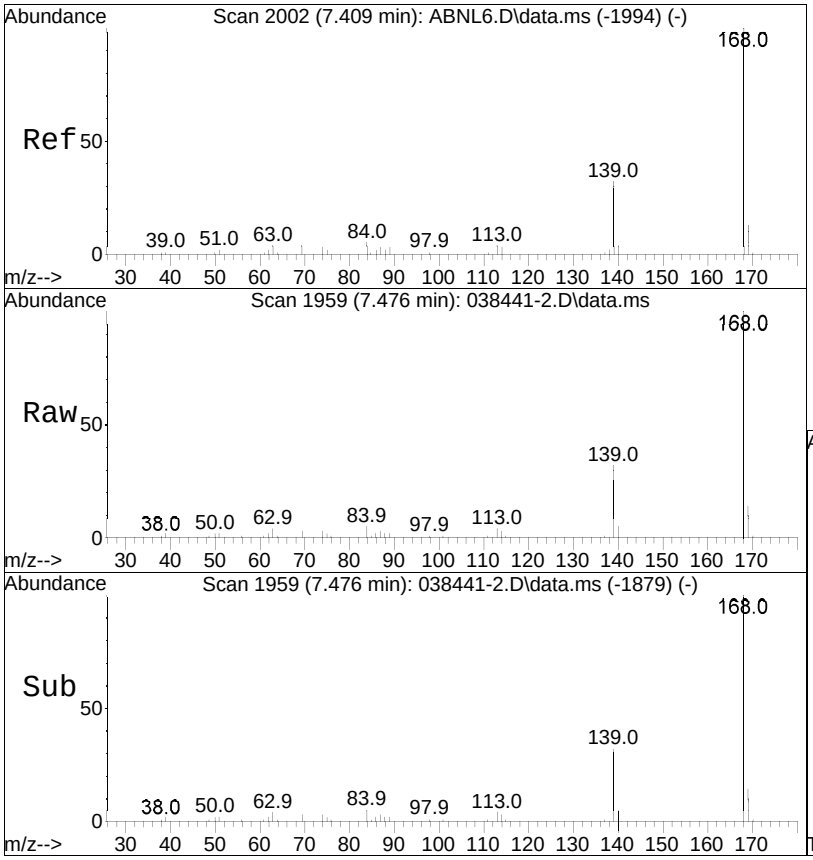


#68
2,4-Dinitrophenol
Concen: 1.37 ug/ml
RT: 7.367 min Scan# 1924
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:184 Resp: 2549

Ion	Ratio	Lower	Upper
184	100		
107	35.9	37.7	56.5#
91	32.8	46.3	69.5#

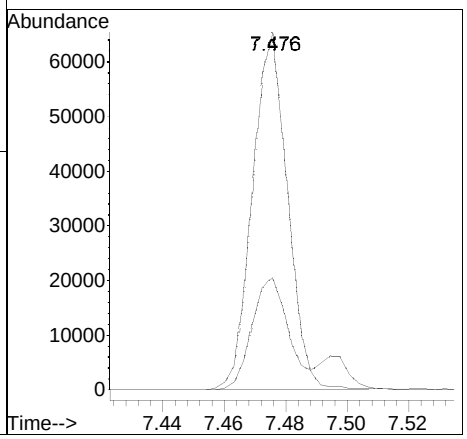


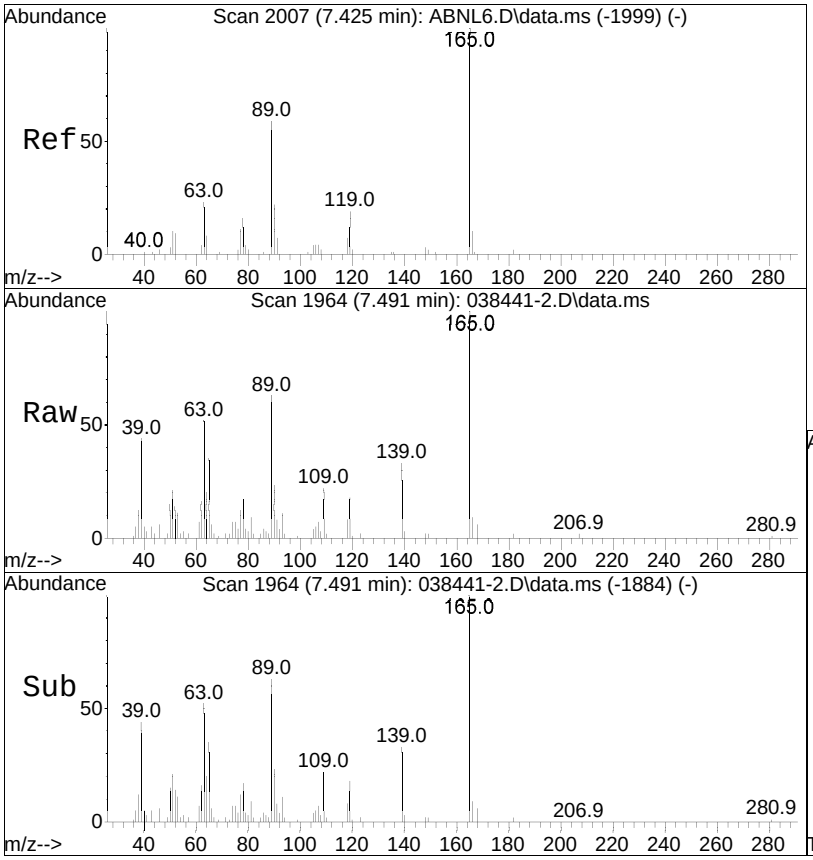


#69
Dibenzofuran
Concen: 1.60 ug/ml
RT: 7.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:168 Resp: 51190

Ion	Ratio	Lower	Upper
168	100		
139	33.1	31.4	47.2

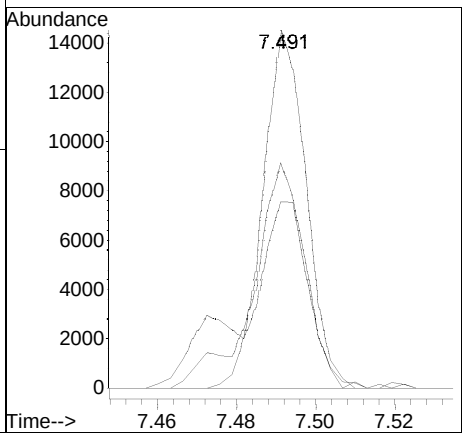


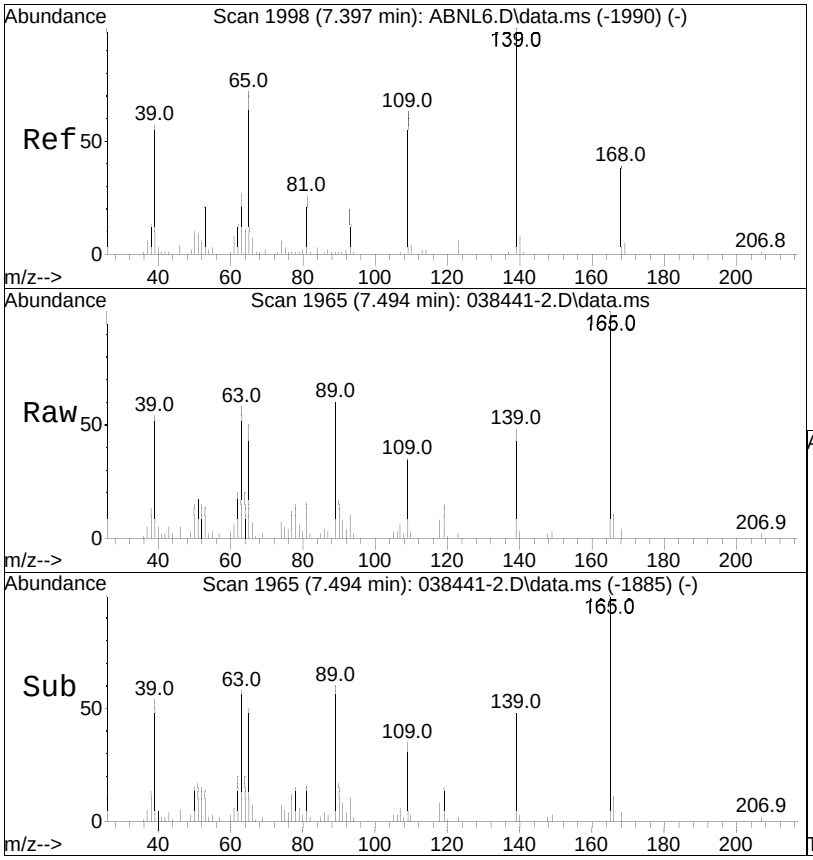


#70
2,4-Dinitrotoluene
Concen: 1.78 ug/ml
RT: 7.491 min Scan# 1964
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:165 Resp: 11014

Ion	Ratio	Lower	Upper
165	100		
89	74.7	72.0	108.0
63	54.5	52.7	79.1

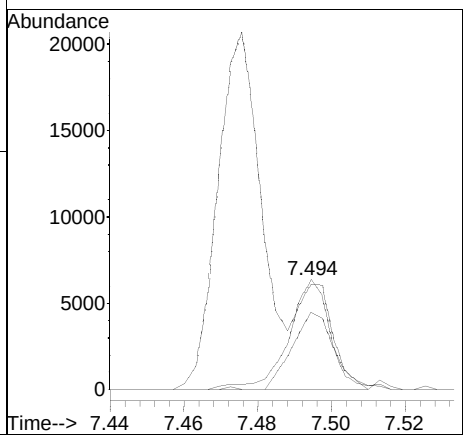


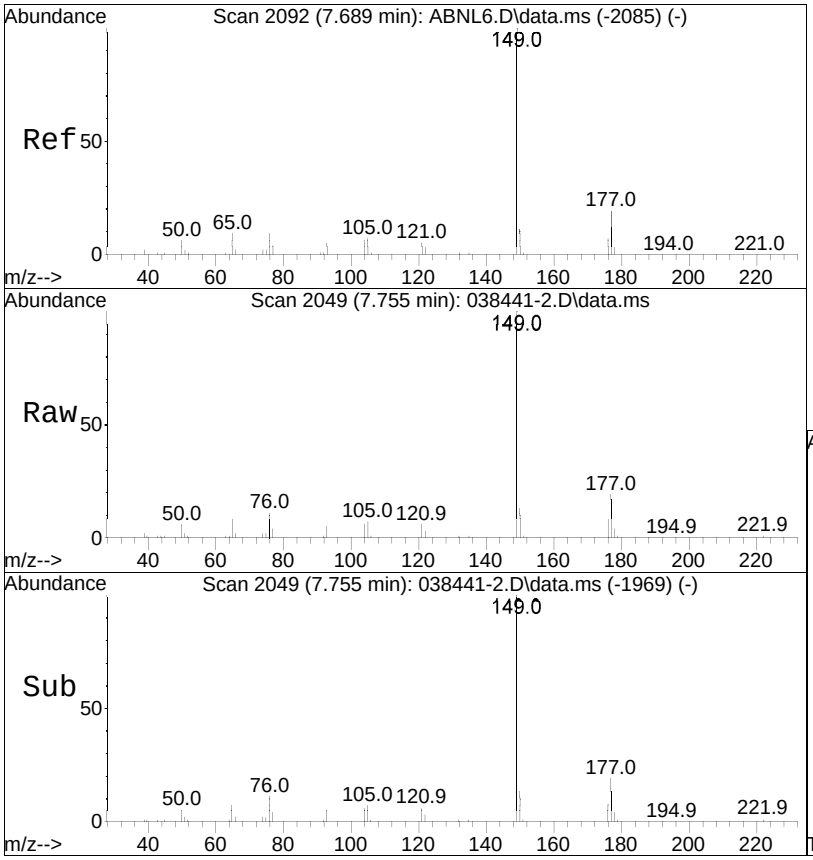


#71
4-Nitrophenol
Concen: 1.36 ug/ml
RT: 7.494 min Scan# 1965
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion: 65 Resp: 4989

Ion	Ratio	Lower	Upper
65	100		
109	70.4	47.4	71.2
139	82.0	76.6	115.0

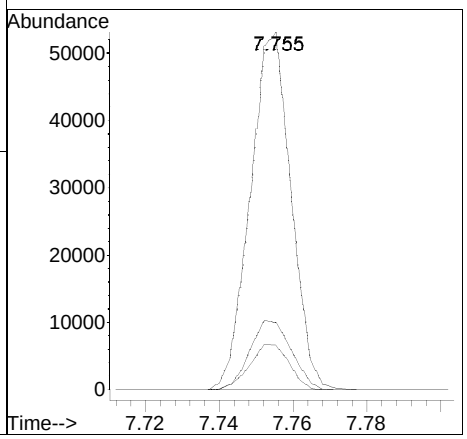


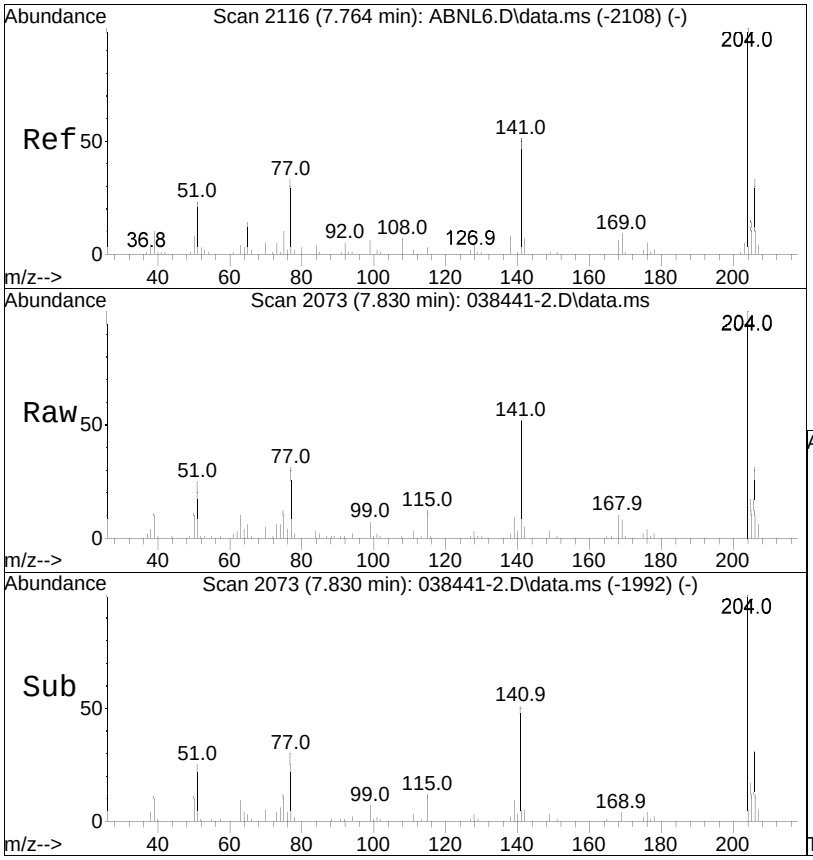


#74
Diethyl phthalate
Concen: 1.60 ug/ml
RT: 7.755 min Scan# 2049
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:149 Resp: 40249

Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.1	24.1
150	12.6	9.4	14.2

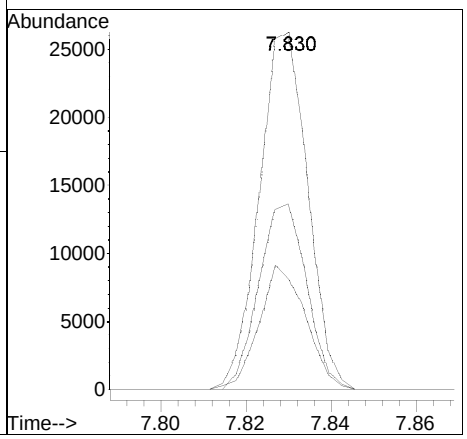


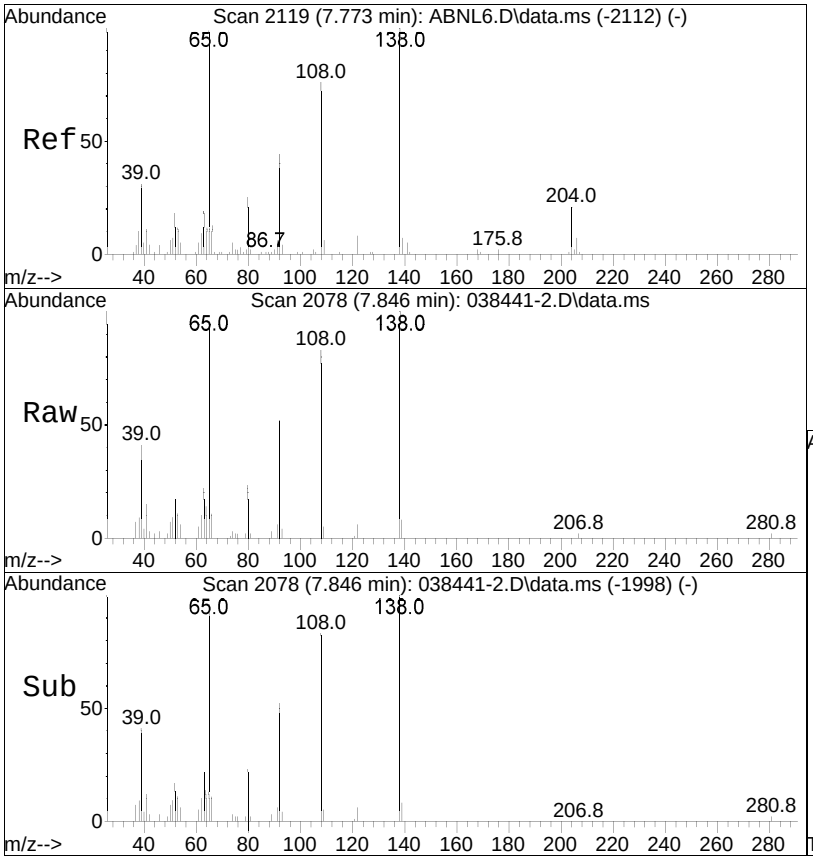


#76
4-Chlorophenyl phenyl ether
Concen: 1.63 ug/ml
RT: 7.830 min Scan# 2073
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:204 Resp: 20629

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.8	38.6
141	51.5	53.6	80.4#

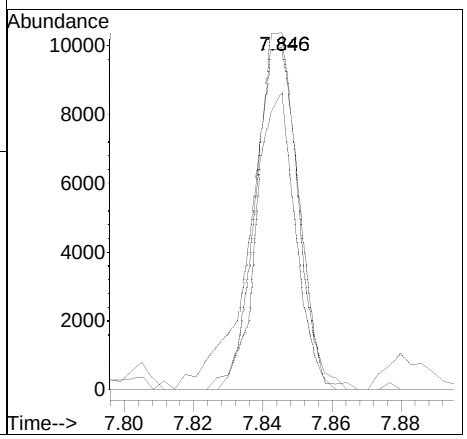


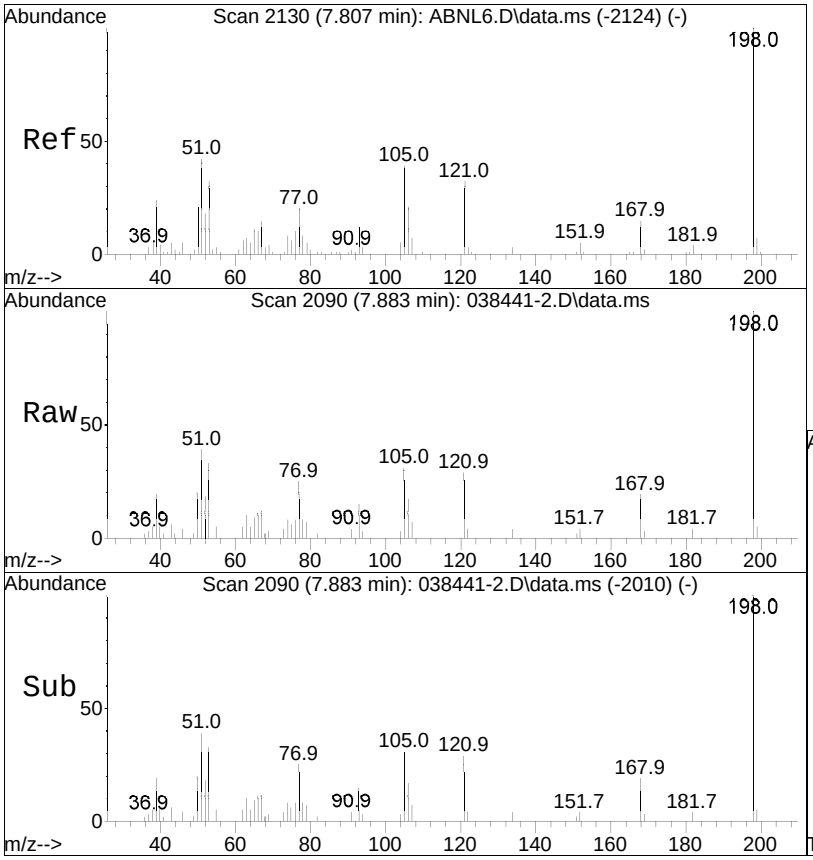


#77
4-Nitroaniline
Concen: 1.85 ug/ml
RT: 7.846 min Scan# 2078
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:138 Resp: 8800

Ion	Ratio	Lower	Upper
138	100		
108	76.7	52.1	78.1
65	108.5	115.0	172.6#

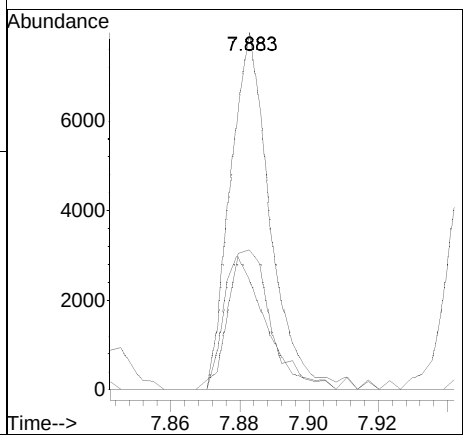


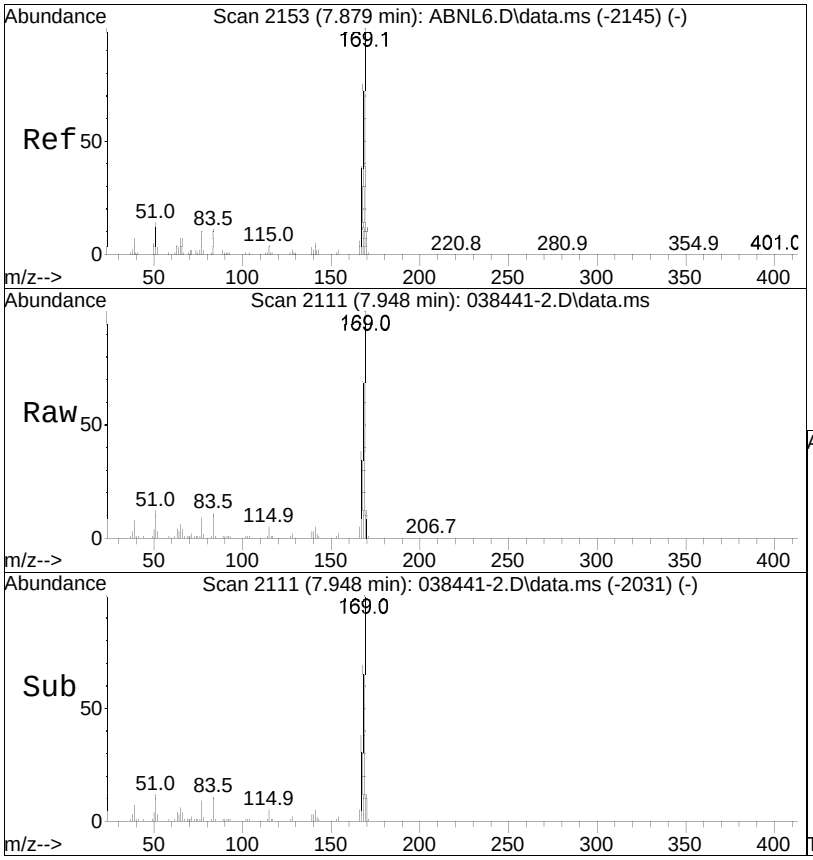


#78
4,6-Dinitro-o-cresol
Concen: 1.71 ug/ml
RT: 7.883 min Scan# 2090
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:198 Resp: 6376

Ion	Ratio	Lower	Upper
198	100		
51	45.2	76.0	114.0#
105	36.9	45.6	68.4#

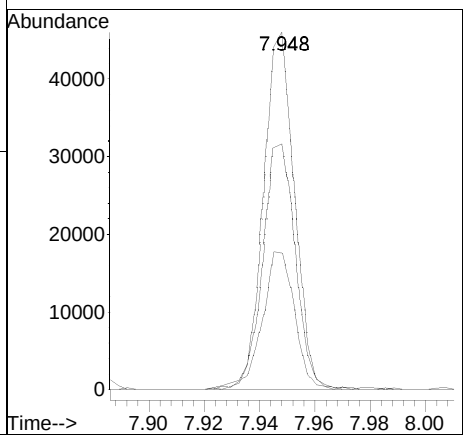


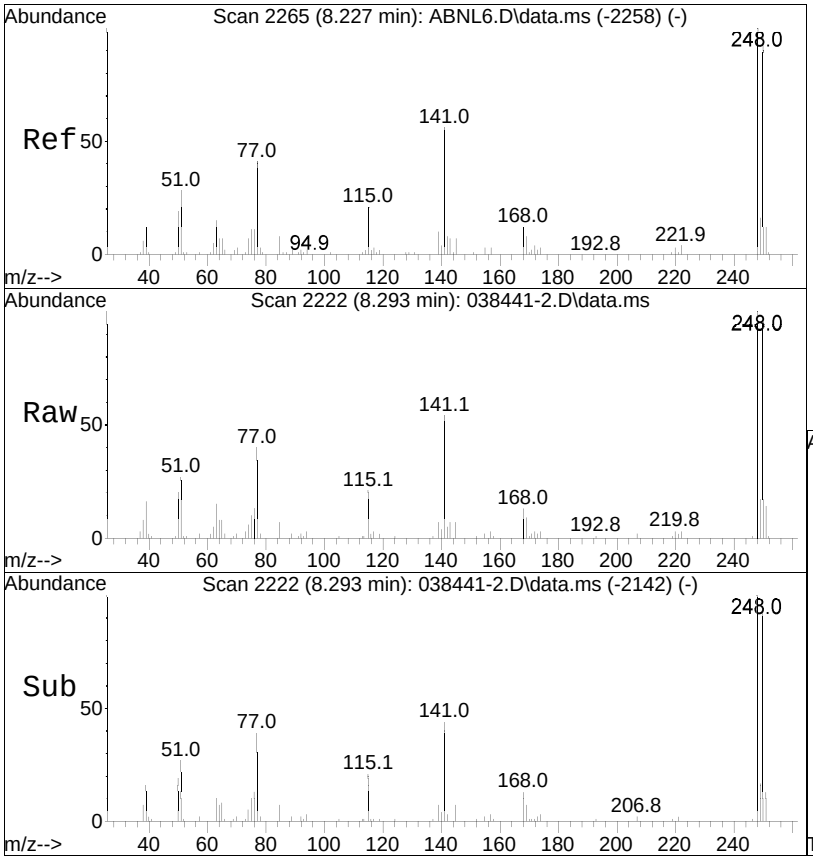


#79
NDPA/DPA
Concen: 1.67 ug/ml
RT: 7.948 min Scan# 2111
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:169 Resp: 35631

Ion	Ratio	Lower	Upper
169	100		
168	72.7	54.0	81.0
167	40.5	28.6	42.8

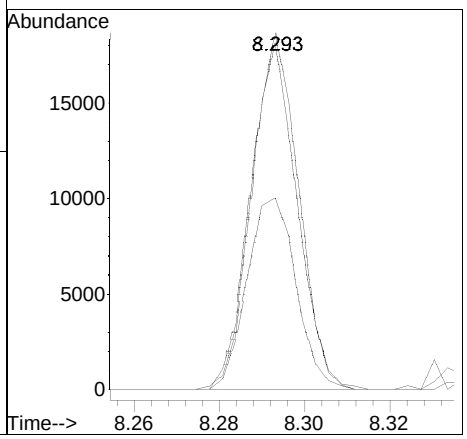


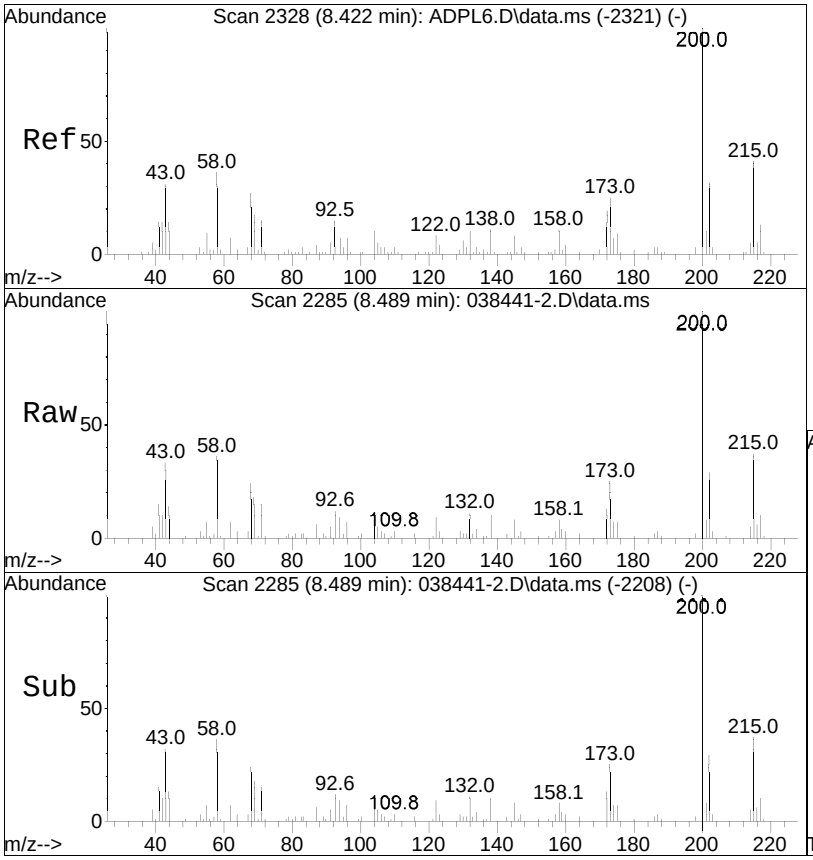


#82
4-Bromophenyl phenyl ether
Concen: 1.72 ug/ml
RT: 8.293 min Scan# 2222
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:248 Resp: 14292

Ion	Ratio	Lower	Upper
248	100		
141	55.7	76.6	114.8#
250	94.2	77.3	115.9

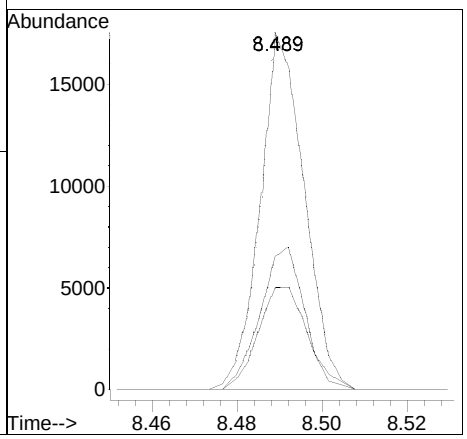


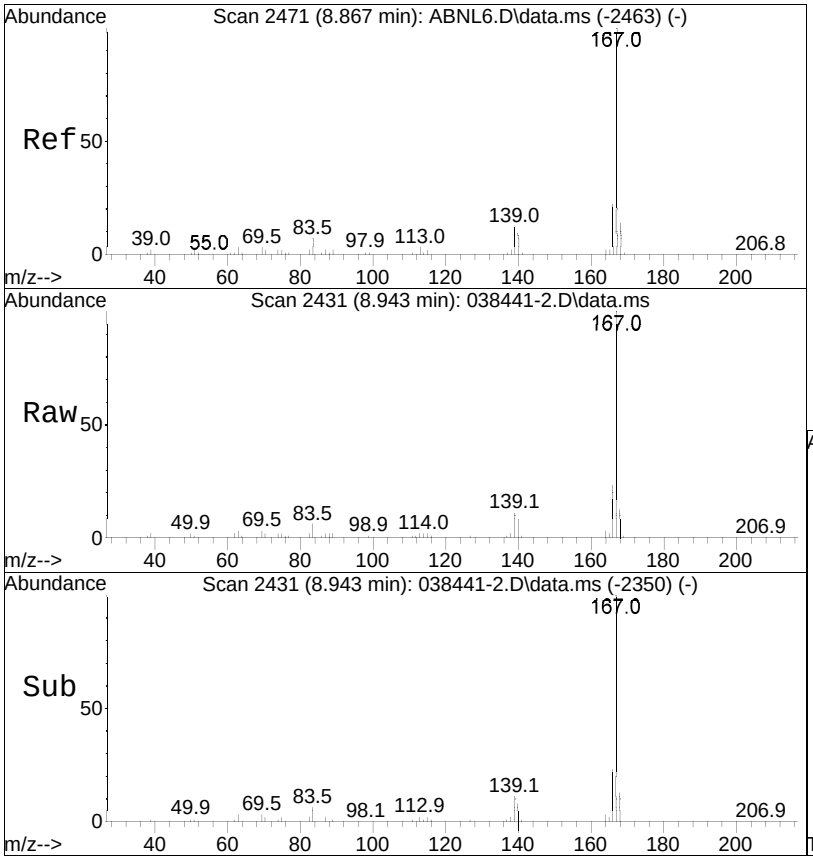


#89
Atrazine
Concen: 2.28 ug/ml
RT: 8.489 min Scan# 2285
Delta R.T. -0.009 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:200 Resp: 12495

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.8	38.6
215	41.2	40.2	60.4

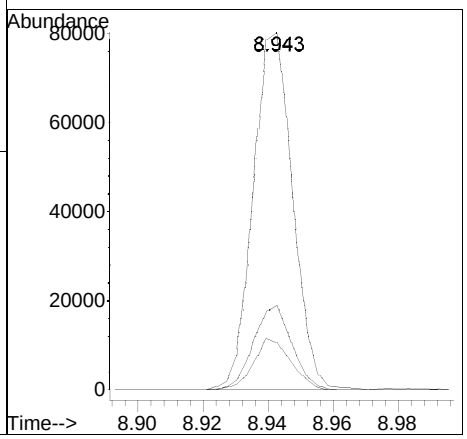


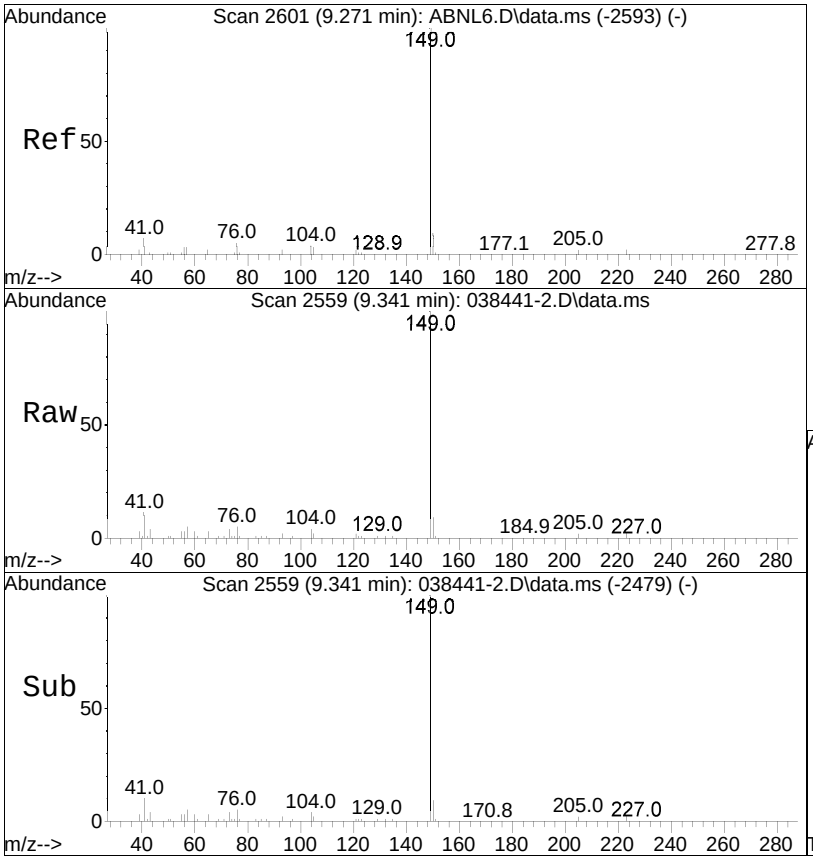


#93
Carbazole
Concen: 1.69 ug/ml
RT: 8.943 min Scan# 2431
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:167 Resp: 66789

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	23.1	17.4	26.0

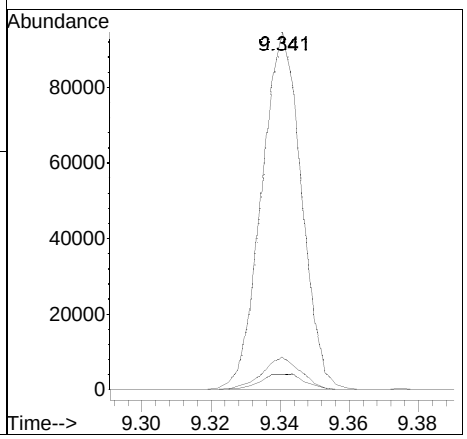


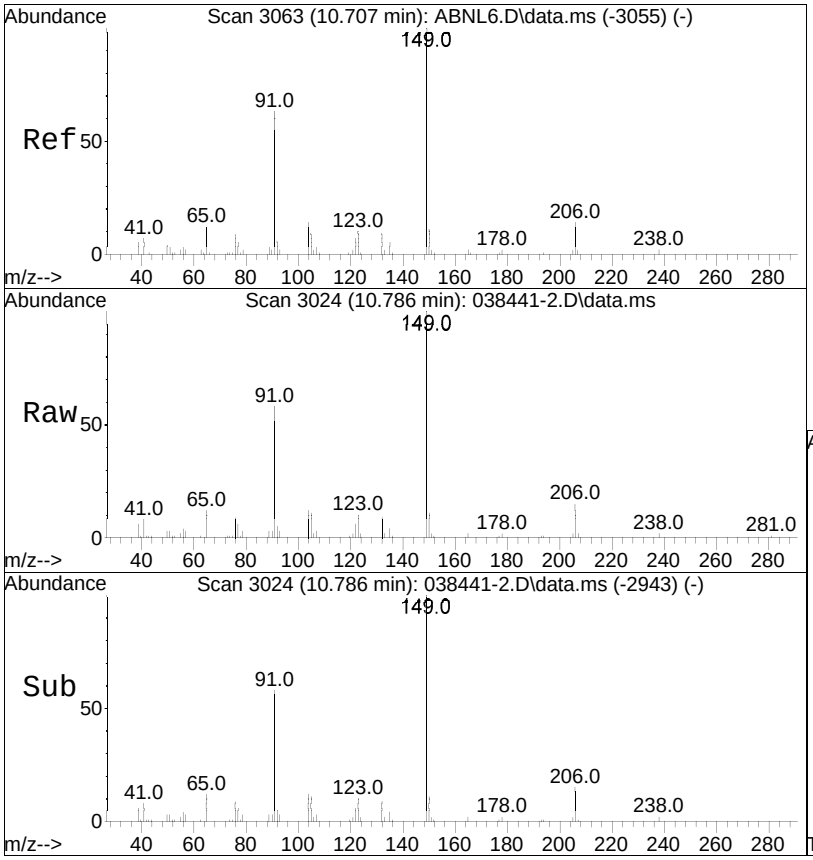


#94
Di-n-butylphthalate
Concen: 1.67 ug/ml
RT: 9.341 min Scan# 2559
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:149 Resp: 74826

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	4.6	4.5	6.7

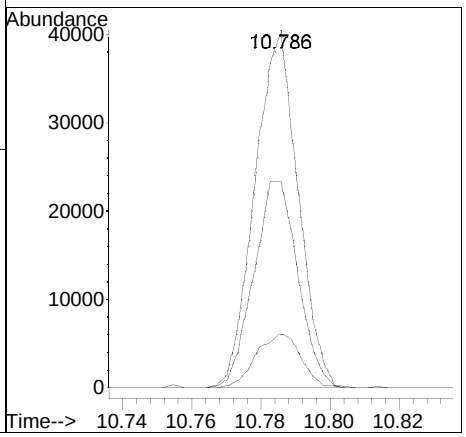


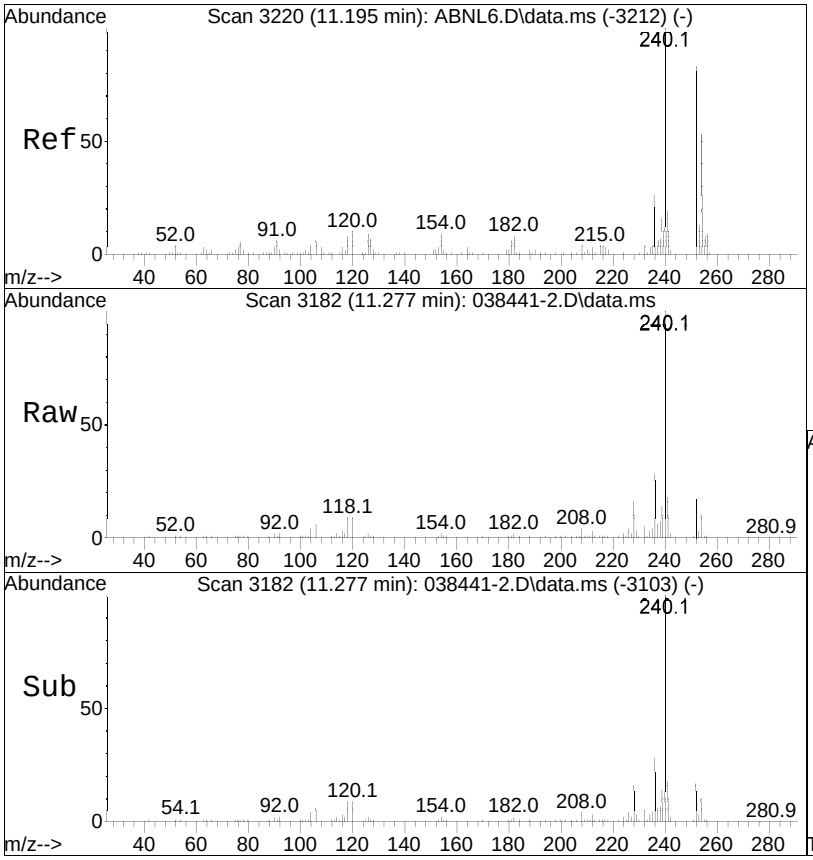


#99
Butyl benzyl phthalate
Concen: 1.81 ug/ml
RT: 10.786 min Scan# 3024
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:149 Resp: 34660

Ion	Ratio	Lower	Upper
149	100		
91	59.3	63.3	94.9#
206	15.8	13.9	20.9

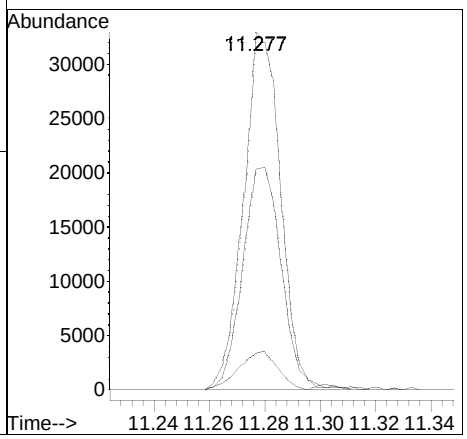


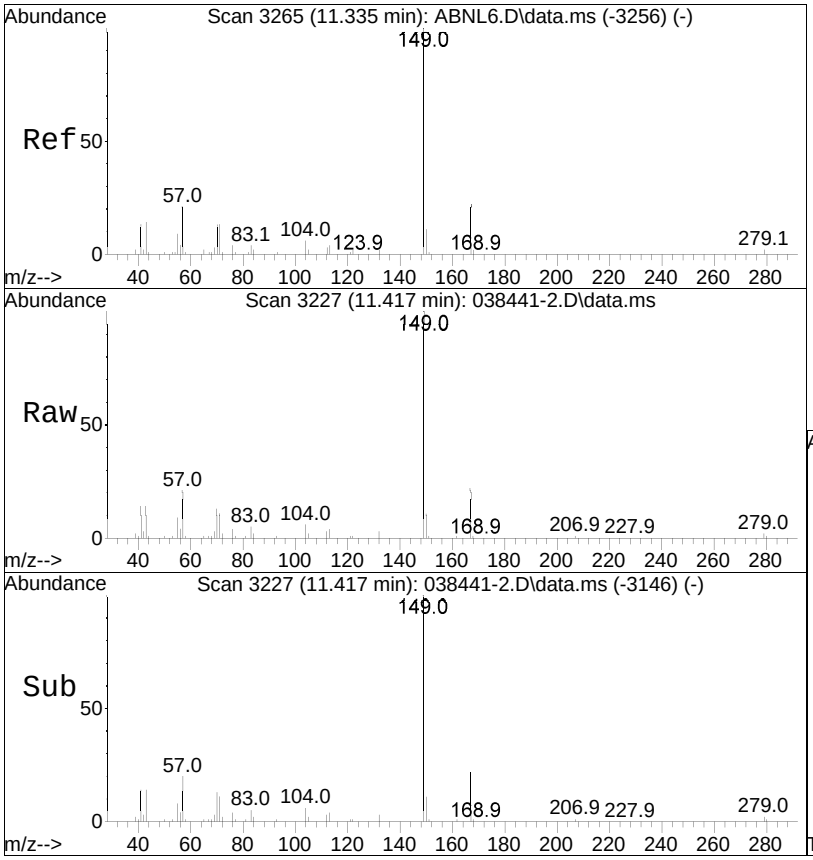


#108
3,3'-Dichlorobenzidine
Concen: 1.31 ug/ml
RT: 11.277 min Scan# 3182
Delta R.T. -0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:252 Resp: 30511

Ion	Ratio	Lower	Upper
252	100		
126	11.5	14.5	21.7#
254	64.4	51.2	76.8

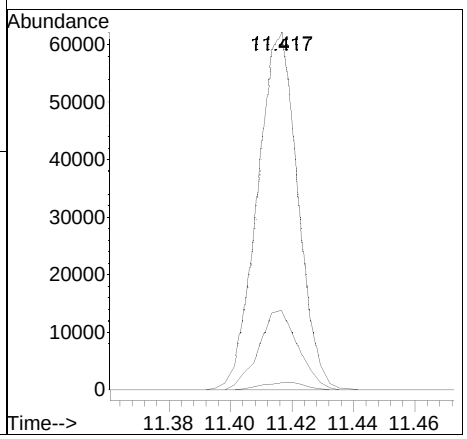


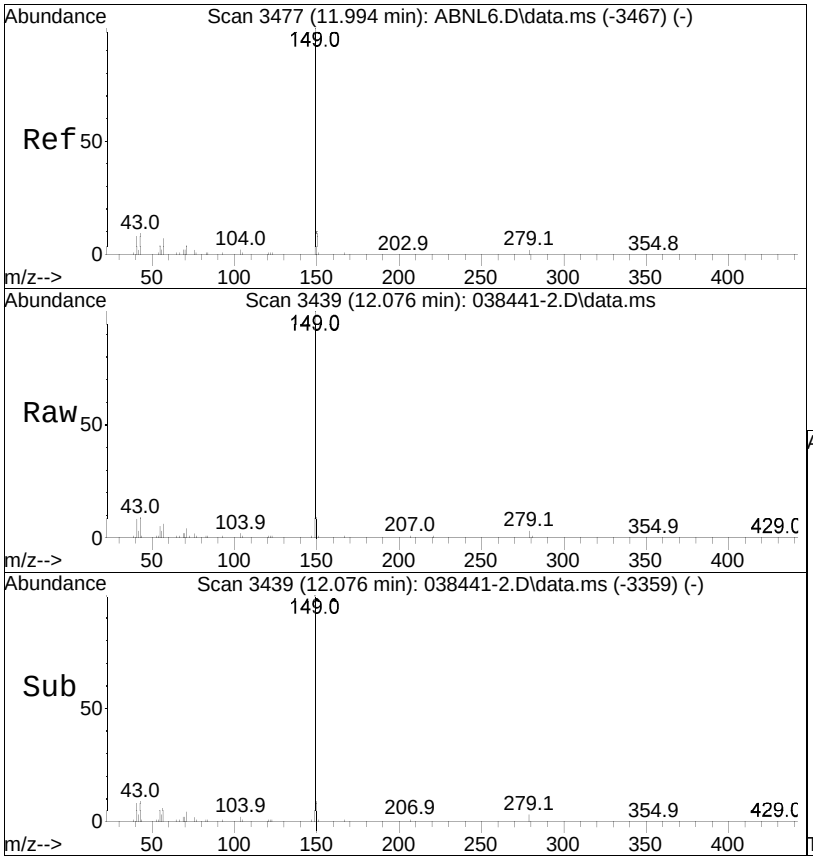


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.68 ug/ml
RT: 11.417 min Scan# 3227
Delta R.T. 0.003 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:149 Resp: 56191

Ion	Ratio	Lower	Upper
149	100		
167	21.9	22.1	33.1#
279	2.2	3.0	4.4#

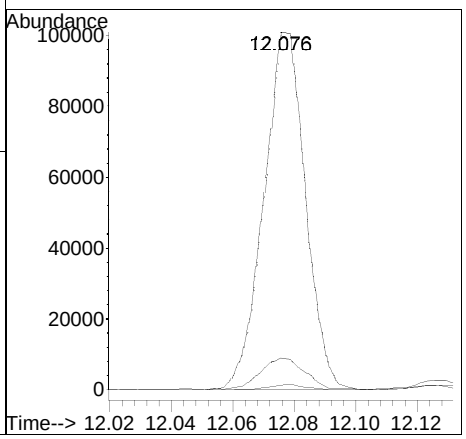




#111
Di-n-octylphthalate
Concen: 1.68 ug/ml
RT: 12.076 min Scan# 3439
Delta R.T. -0.000 min
Lab File: 038441-2.D
Acq: 10 Mar 2025 11:22 pm

Tgt Ion:149 Resp: 93815

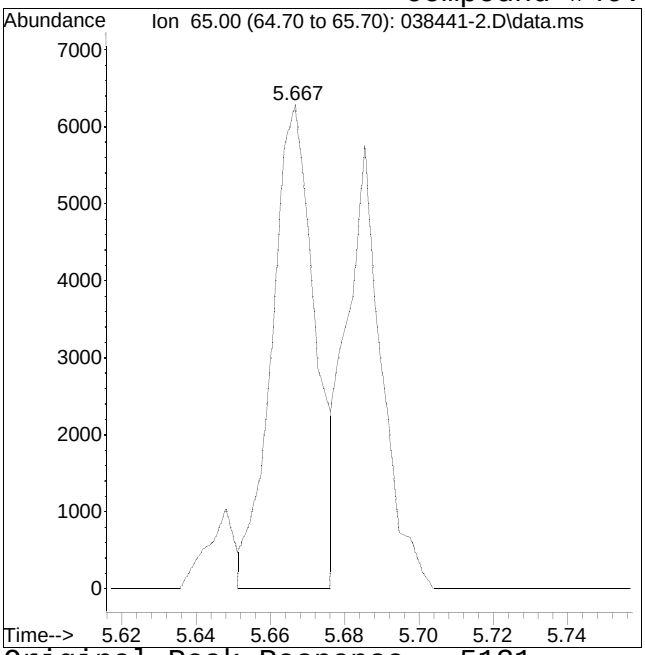
Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.3	1.3	1.9

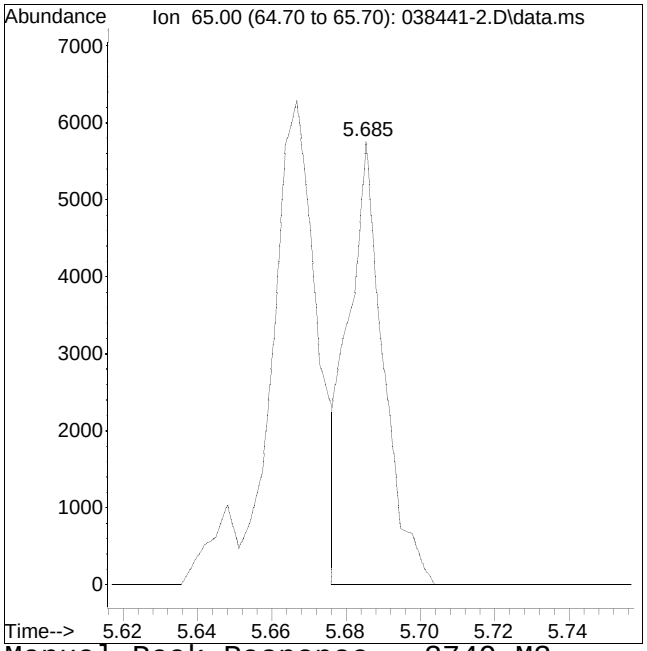


Manual Integration Report

Data Path : I:\8270\Dakota\250310RVTn\QMethod : FS241105RVT_Dakota.m
Data File : 038441-2.D Operator : Dakota:ljg
Date Inj'd : 3/10/2025 11:22 pm Instrument : Dakota
Sample : WG2038540-2,32,,mrg Quant Date : 3/11/2025 7:26 am

Compound #40: 4-Chloroaniline





Original Peak Response = 5131 Manual Peak Response = 3749 M3

M3 = 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:\8270\SV106\250305NRVT\
Data File : 037072-3.D
Acq On : 6 Mar 2025 3:10 am
Operator : SV106:smz
Sample : WG2037072-3,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 15:11:15 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.372	152	49620	4.000	ug/ml		0.00
Standard Area 1 = 73068			Recovery = 67.91%				
27) IS2_1,4-Dichlorobenzen...	6.372	152	49620	4.000	ug/ml		0.00
Standard Area 3 = 68803			Recovery = 72.12%				
32) IS3_1,4-Dichlorobenzen...	6.372	152	49620	4.000	ug/ml		0.00
Standard Area 2 = 71316			Recovery = 69.58%				
35) IS1_Naphthalene-d8	7.807	136	183802	4.000	ug/ml	#	0.00
Standard Area 1 = 265385			Recovery = 69.26%				
55) IS2_Naphthalene-d8	7.807	136	183802	4.000	ug/ml	#	0.00
Standard Area 3 = 246463			Recovery = 74.58%				
63) IS1_Acenaphthene-d10	9.572	164	107297	4.000	ug/ml		0.00
Standard Area 1 = 170121			Recovery = 63.07%				
83) IS2_Acenaphthene-d10	9.572	164	107297	4.000	ug/ml		0.00
Standard Area 3 = 148400			Recovery = 72.30%				
86) IS3_Acenaphthene-d10	9.572	164	107297	4.000	ug/ml		0.00
Standard Area 2 = 154260			Recovery = 69.56%				
88) IS1_Phenanthrene-d10	11.007	188	205742	4.000	ug/ml	#	0.00
Standard Area 1 = 330097			Recovery = 62.33%				
100) IS3_Phenanthrene-d10	11.007	188	205742	4.000	ug/ml	#	0.00
Standard Area 2 = 299241			Recovery = 68.75%				
104) IS1_Chrysene-d12	13.642	240	202484	4.000	ug/ml		0.00
Standard Area 1 = 331360			Recovery = 61.11%				
113) IS1_Perylene-d12	15.107	264	222006	4.000	ug/ml		0.00
Standard Area 1 = 342841			Recovery = 64.75%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.407	112	18706	1.212	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.60%				
7) Phenol-d6	6.007	99	16845	0.907	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.35%				
19) Nitrobenzene-d5	7.037	82	17110	1.015	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 101.50%				
46) 2-Fluorobiphenyl	8.931	172	36399	0.856	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.60%				
79) 2,4,6-Tribromophenol	10.336	330	10904	1.796	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 89.80%				

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-3.D
Acq On : 6 Mar 2025 3:10 am
Operator : SV106:smz
Sample : WG2037072-3,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 15:11:15 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.595	244	51318	0.929	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 92.90%

Target Compounds						Qvalue
6) 2-Chlorophenol	6.107	128	31412	1.855	ug/ml	96
8) Phenol	6.019	94	20998	1.089	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.766	45	39183	1.569	ug/ml#	36
15) 2-Methylphenol	6.760	108	25313	1.817	ug/ml	99
17) n-Nitrosodi-n-propylamine	6.919	70	24280	2.082	ug/ml#	91
18) 3-Methylphenol/4-Methy...	6.948	108	27031	1.779	ug/ml	94
20) Nitrobenzene	7.054	77	35839	2.080	ug/ml	91
21) Isophorone	7.342	82	63317	2.113	ug/ml	95
22) 2-Nitrophenol	7.419	139	15225	1.722	ug/ml#	91
23) 2,4-Dimethylphenol	7.519	107	30185	2.175	ug/ml	91
24) Bis(2-chloroethoxy)met...	7.613	93	40920	2.044	ug/ml#	97
25) 2,4-Dichlorophenol	7.684	162	27841	1.796	ug/ml	93
28) Benzaldehyde	5.795	105	29070	2.473	ug/ml	95
29) Acetophenone	6.878	105	48928	2.157	ug/ml#	81
38) 4-Chloroaniline	7.913	65	10571	1.816	ug/ml	98
40) p-Chloro-m-cresol	8.442	107	29315	2.154	ug/ml	92
43) Hexachlorocyclopentadiene	8.725	237	12455	1.035	ug/ml	92
44) 2,4,6-Trichlorophenol	8.848	196	21282	1.683	ug/ml	97
45) 2,4,5-Trichlorophenol	8.878	196	24356	1.860	ug/ml	99
48) 2-Nitroaniline	9.142	138	20009	1.950	ug/ml	91
51) Dimethyl phthalate	9.348	163	76263	1.815	ug/ml#	98
53) 2,6-Dinitrotoluene	9.389	165	16376	1.917	ug/ml	88
60) Caprolactam	8.236	55	4774	0.708	ug/ml#	45
61) 1,2,4,5-Tetrachloroben...	8.719	216	29797	1.614	ug/ml	98
62) Biphenyl	9.025	154	73992	1.776	ug/ml	96
64) 3-Nitroaniline	9.542	138	16973	1.959	ug/ml#	95
66) 2,4-Dinitrophenol	9.648	184	4916	1.913	ug/ml	92
67) Dibenzofuran	9.772	168	94418	1.880	ug/ml	94
68) 2,4-Dinitrotoluene	9.778	165	21795	1.938	ug/ml	95
69) 4-Nitrophenol	9.736	65	8229	1.284	ug/ml#	92
72) Diethyl phthalate	10.042	149	81646	2.005	ug/ml	98
74) 4-Chlorophenyl phenyl ...	10.125	204	36985	1.838	ug/ml	89
75) 4-Nitroaniline	10.130	138	17157	1.946	ug/ml#	87

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-3.D
Acq On : 6 Mar 2025 3:10 am
Operator : SV106:smz
Sample : WG2037072-3,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 15:11:15 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250305NRVT\ABN0305n.D
: 2 - I:\8270\SV106\250305NRVT\ADP0305n.D
: 3 - I:\8270\SV106\250305NRVT\AP90305n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) 4,6-Dinitro-o-cresol	10.166	198	11712	1.777	ug/ml#	64
77) NDPA/DPA	10.242	169	63673	1.882	ug/ml	96
80) 4-Bromophenyl phenyl e...	10.595	248	20700	1.660	ug/ml	86
87) Atrazine	10.783	200	20691	1.859	ug/ml	97
91) Carbazole	11.248	167	111289	2.053	ug/ml	99
92) Di-n-butylphthalate	11.642	149	128558	1.895	ug/ml	98
97) Butyl benzyl phthalate	13.118	149	57457	2.015	ug/ml	92
106) 3,3'-Dichlorobenzidine	13.636	252	46690	2.036	ug/ml#	97
108) Bis(2-ethylhexyl)phtha...	13.765	149	96969	2.313	ug/ml#	91
109) Di-n-octylphthalate	14.442	149	150122	2.160	ug/ml#	73

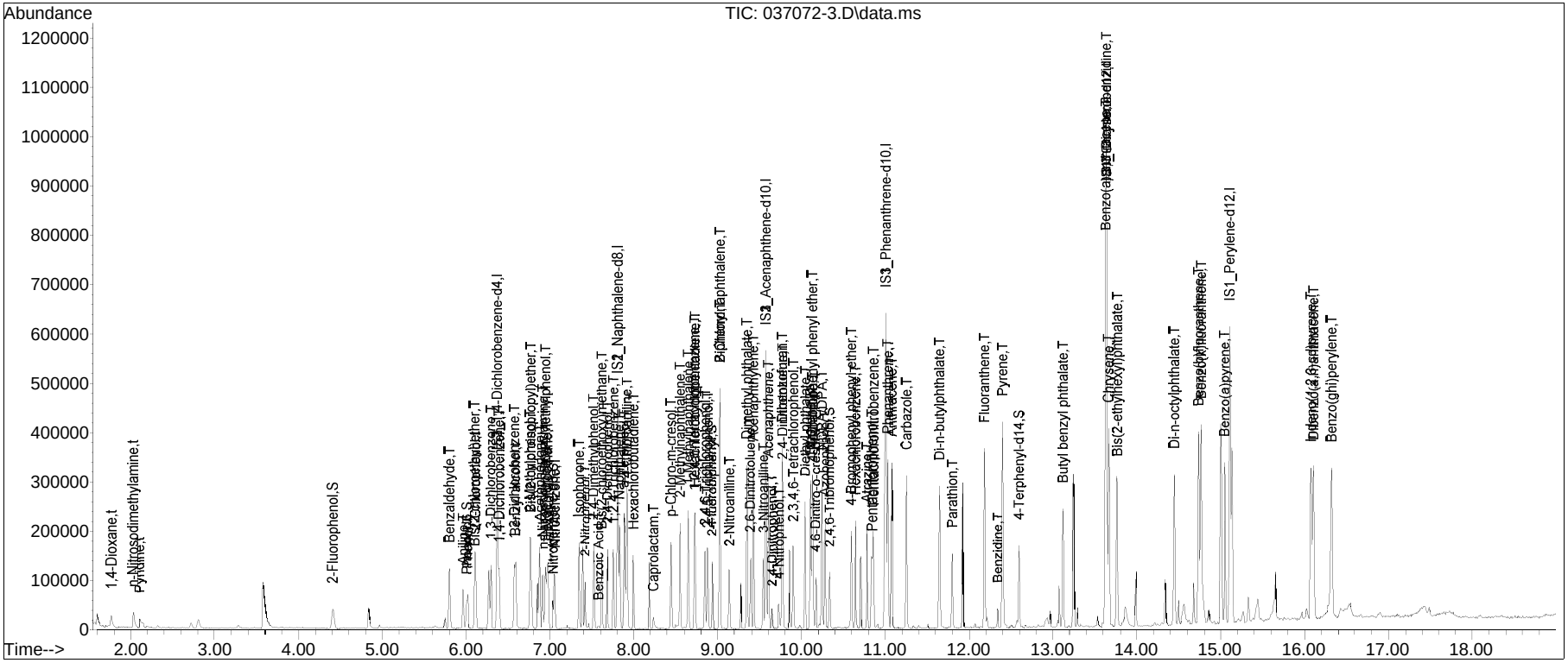
(#) = qualifier out of range (m) = manual integration (+) = signals summed

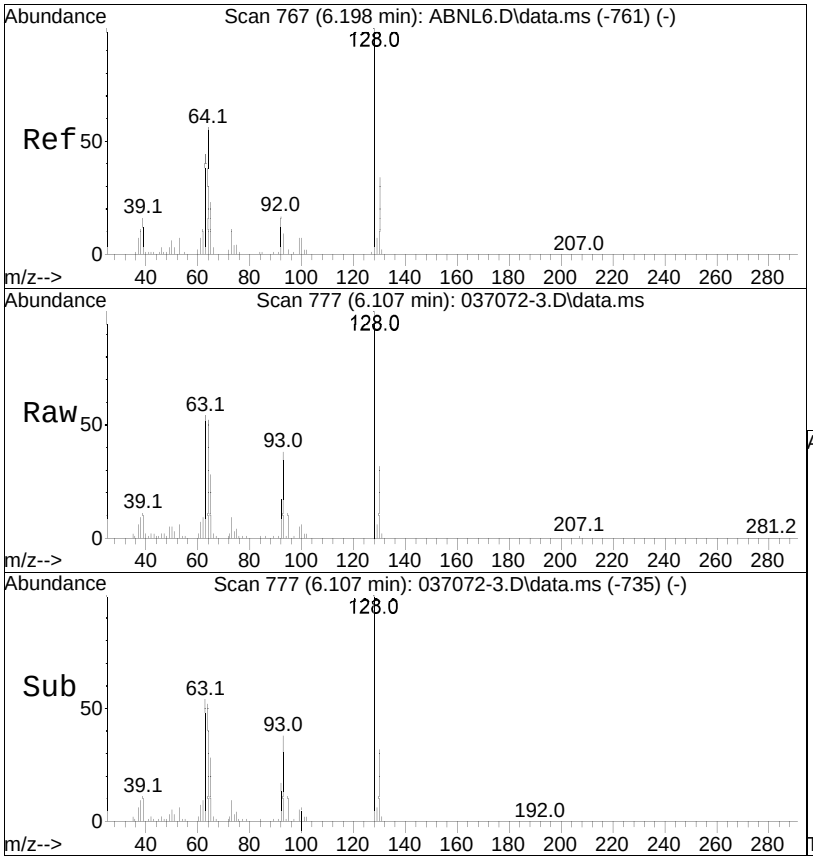
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250305NRVT\
Data File : 037072-3.D
Acq On : 6 Mar 2025 3:10 am
Operator : SV106:smz
Sample : WG2037072-3,32,,ASK
Misc : WG2037122,WG2037072,ical21604
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 06 15:11:15 2025
Quant Method : I:\8270\SV106\250305NRVT\FS241009SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 02:00:35 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MANRVT\AP90305n.D•

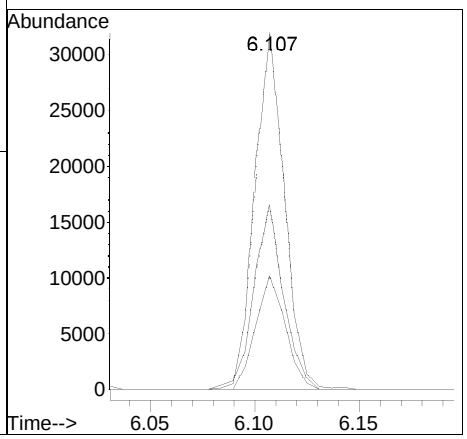


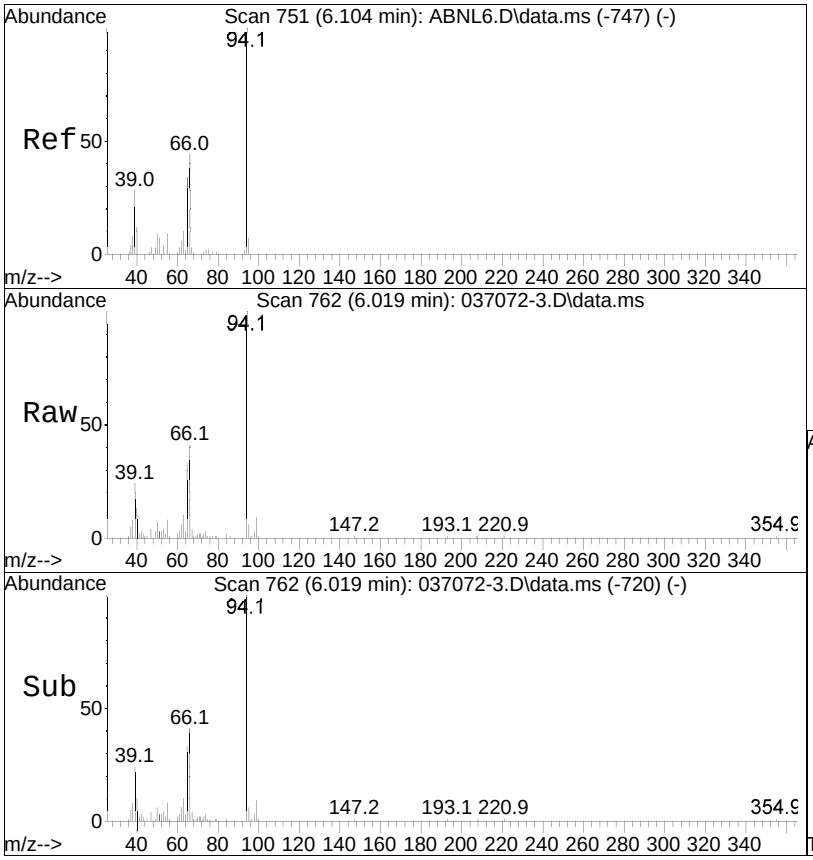


#6
2-Chlorophenol
Concen: 1.85 ug/ml
RT: 6.107 min Scan# 777
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:128 Resp: 31412

Ion	Ratio	Lower	Upper
128	100		
64	52.0	45.1	67.7
130	32.3	26.2	39.4

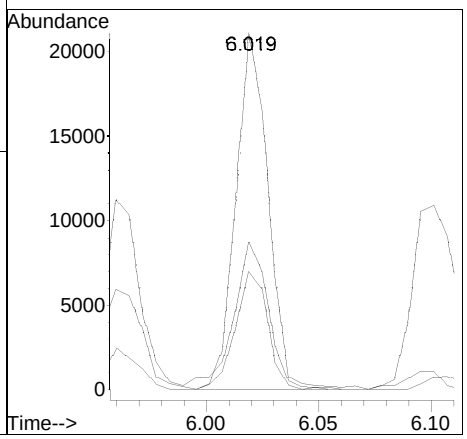


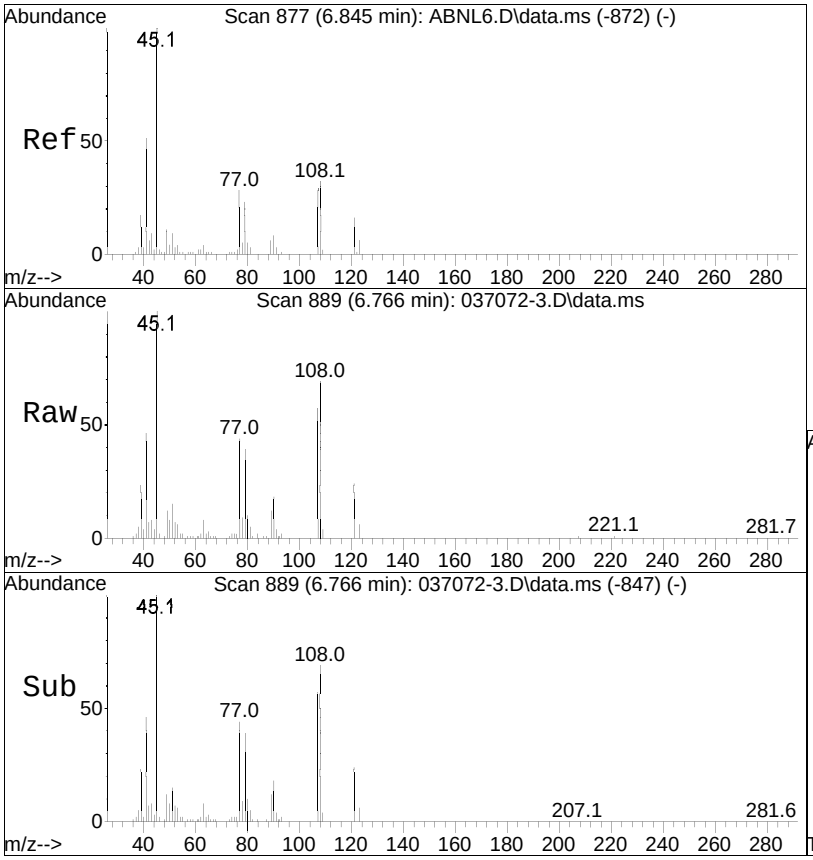


#8
Phenol
Concen: 1.09 ug/ml
RT: 6.019 min Scan# 762
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 94 Resp: 20998

Ion	Ratio	Lower	Upper
94	100		
65	33.5	26.0	39.0
66	45.3	33.8	50.8

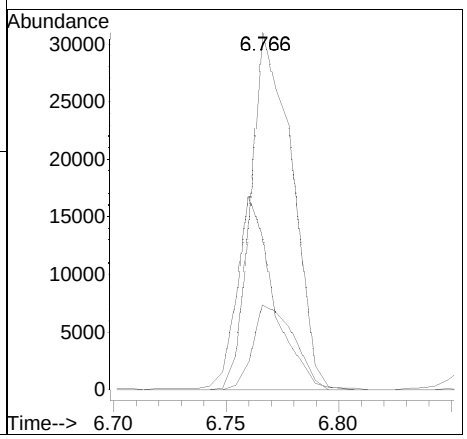


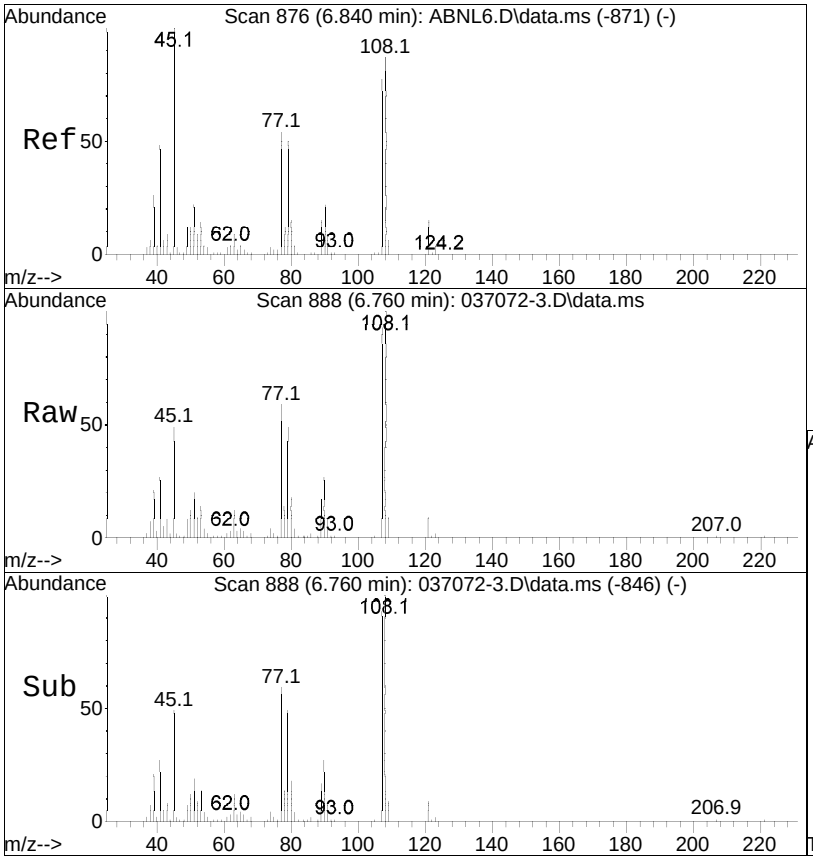


#14
Bis(2-chloroisopropyl)ether
Concen: 1.57 ug/ml
RT: 6.766 min Scan# 889
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 45 Resp: 39183

Ion	Ratio	Lower	Upper
45	100		
121	23.9	9.8	14.6#
77	48.9	6.1	9.1#

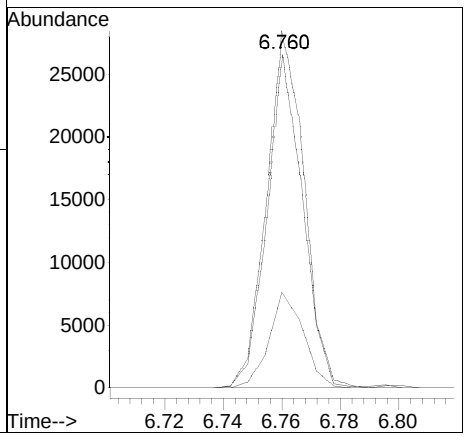


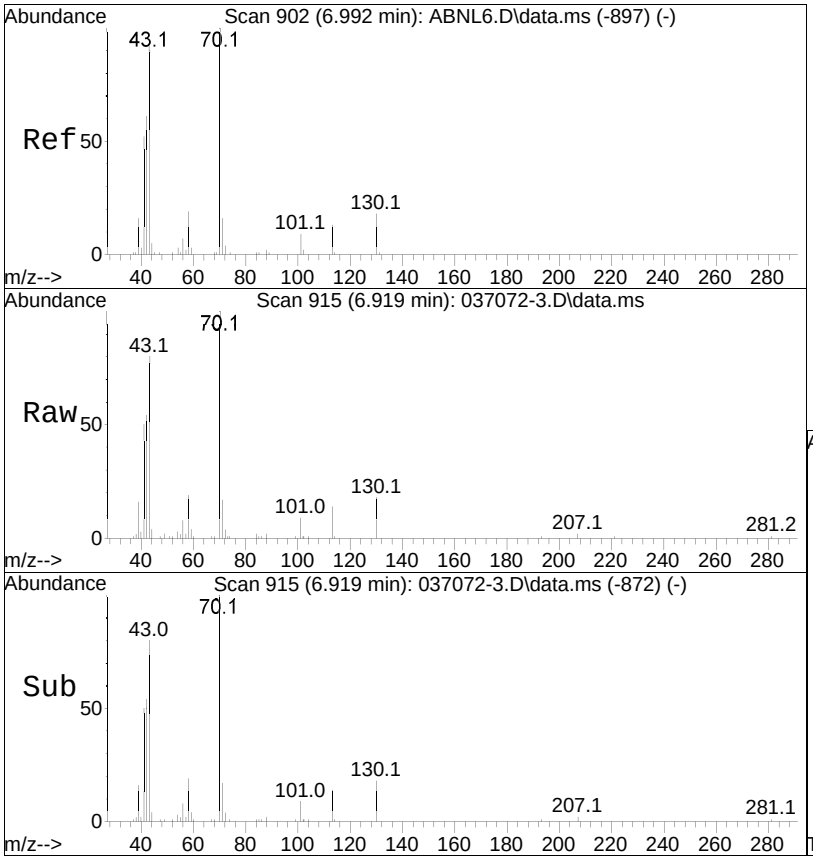


#15
2-Methylphenol
Concen: 1.82 ug/ml
RT: 6.760 min Scan# 888
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:108 Resp: 25313

Ion	Ratio	Lower	Upper
108	100		
107	88.7	70.7	106.1
90	24.5	18.7	28.1

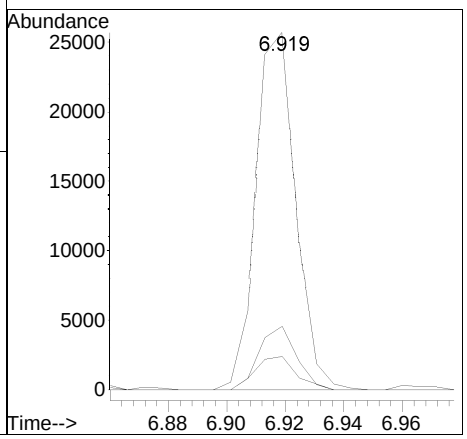


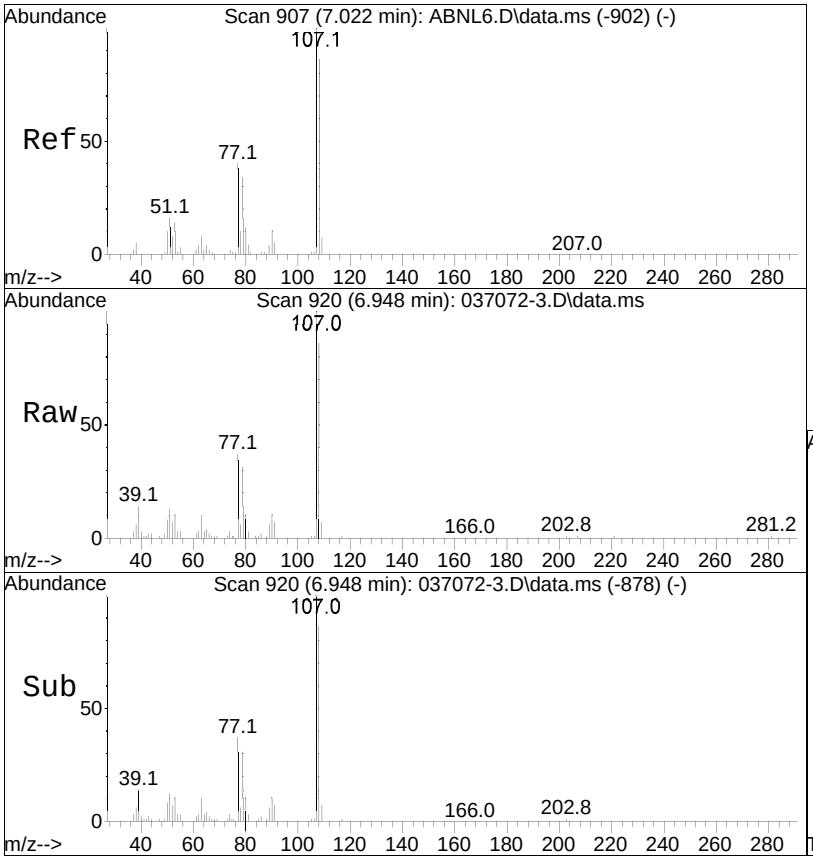


#17
n-Nitrosodi-n-propylamine
Concen: 2.08 ug/ml
RT: 6.919 min Scan# 915
Delta R.T. 0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 70 Resp: 24280

Ion	Ratio	Lower	Upper
70	100		
130	16.7	18.2	27.4#
101	9.7	7.8	11.8

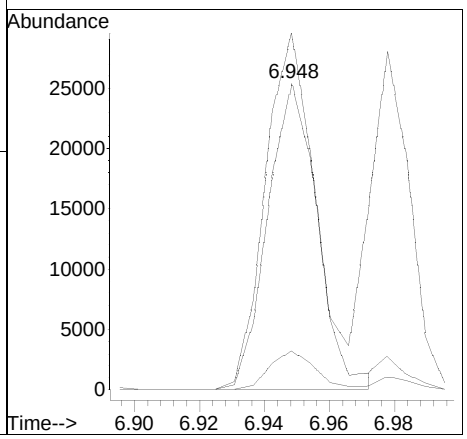


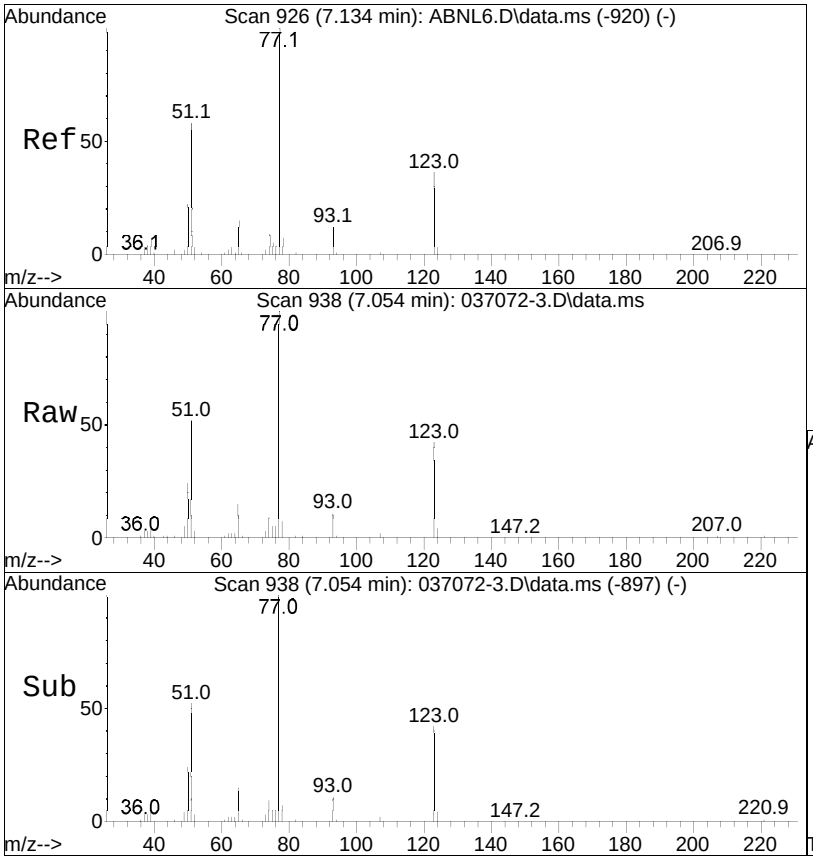


#18
3-Methylphenol/4-Methylphenol
Concen: 1.78 ug/ml
RT: 6.948 min Scan# 920
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:108 Resp: 27031

Ion	Ratio	Lower	Upper
108	100		
107	117.5	88.6	132.8
90	11.4	8.8	13.2

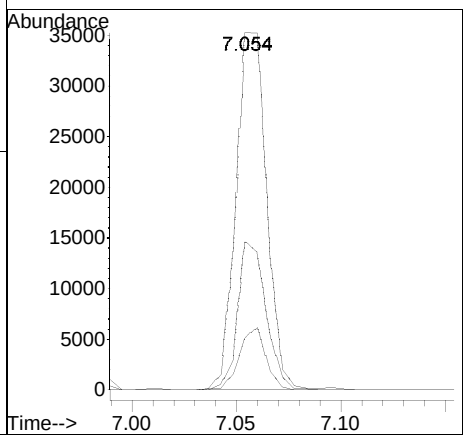


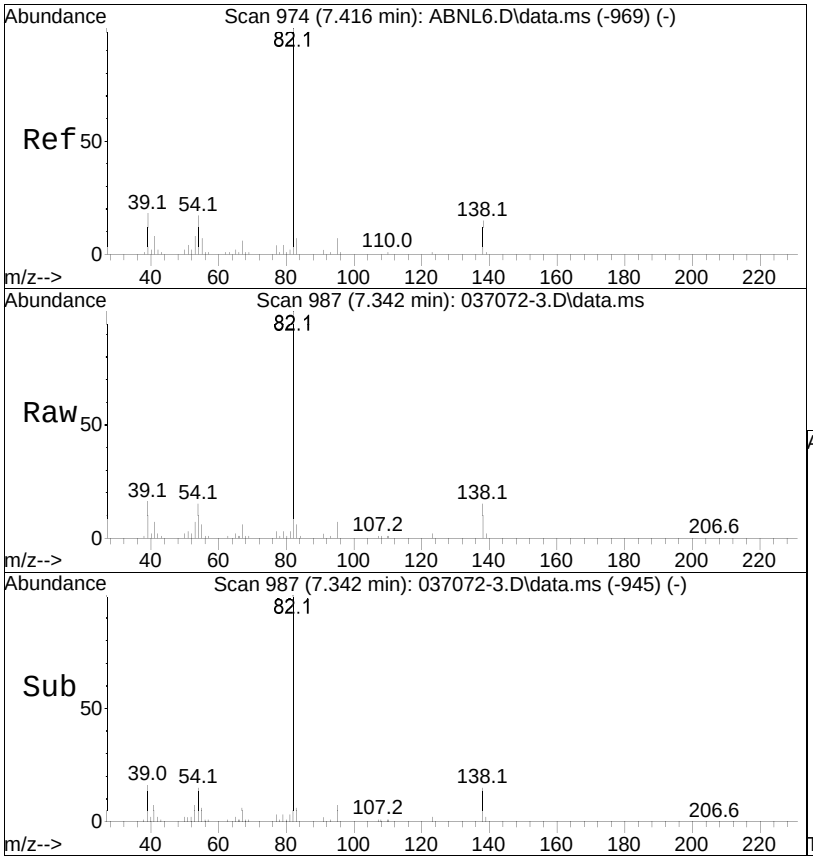


#20
Nitrobenzene
Concen: 2.08 ug/ml
RT: 7.054 min Scan# 938
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 77 Resp: 35839

Ion	Ratio	Lower	Upper
77	100		
123	38.0	36.3	54.5
65	15.1	11.6	17.4

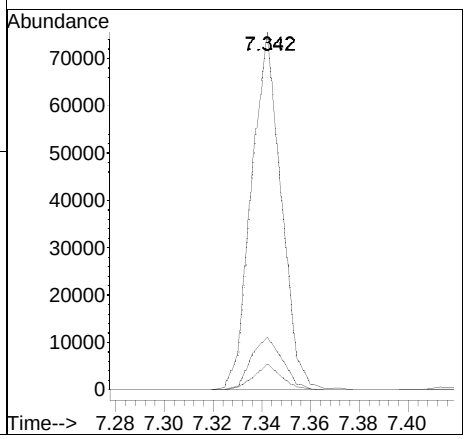


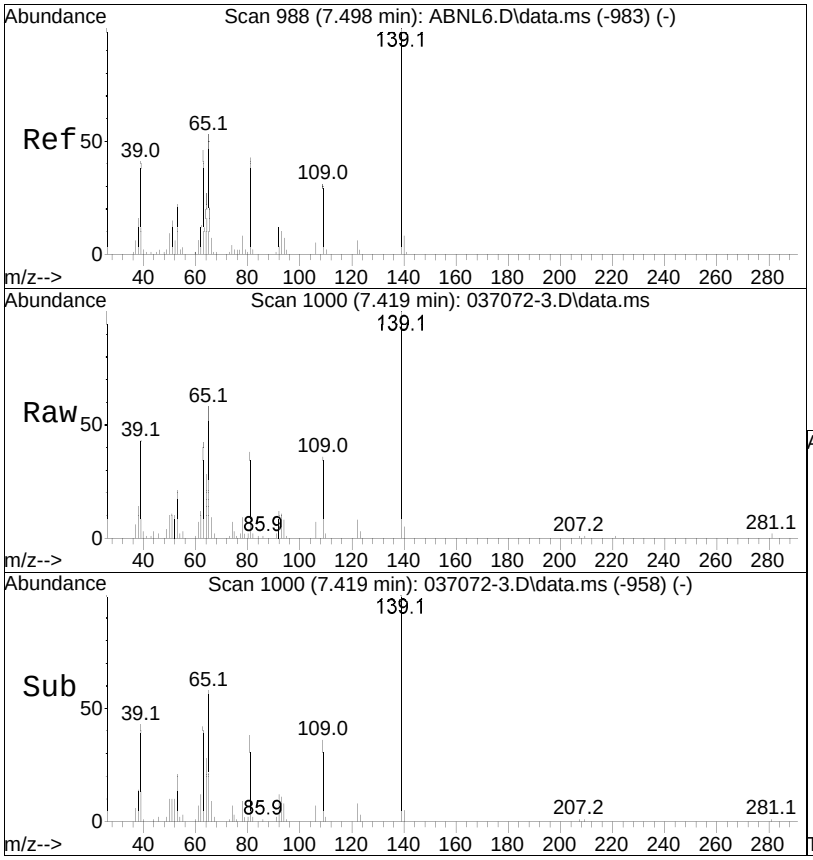


#21
Isophorone
Concen: 2.11 ug/ml
RT: 7.342 min Scan# 987
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 82 Resp: 63317

Ion	Ratio	Lower	Upper
82	100		
138	15.6	14.7	22.1
95	6.8	5.2	7.8

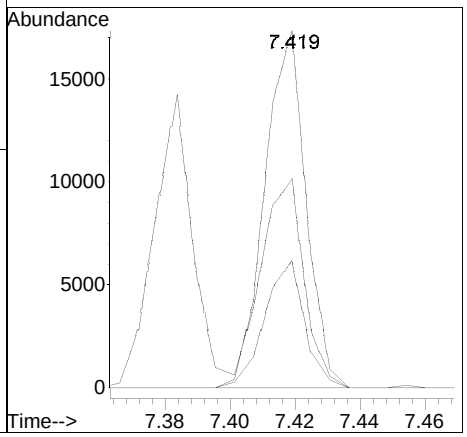


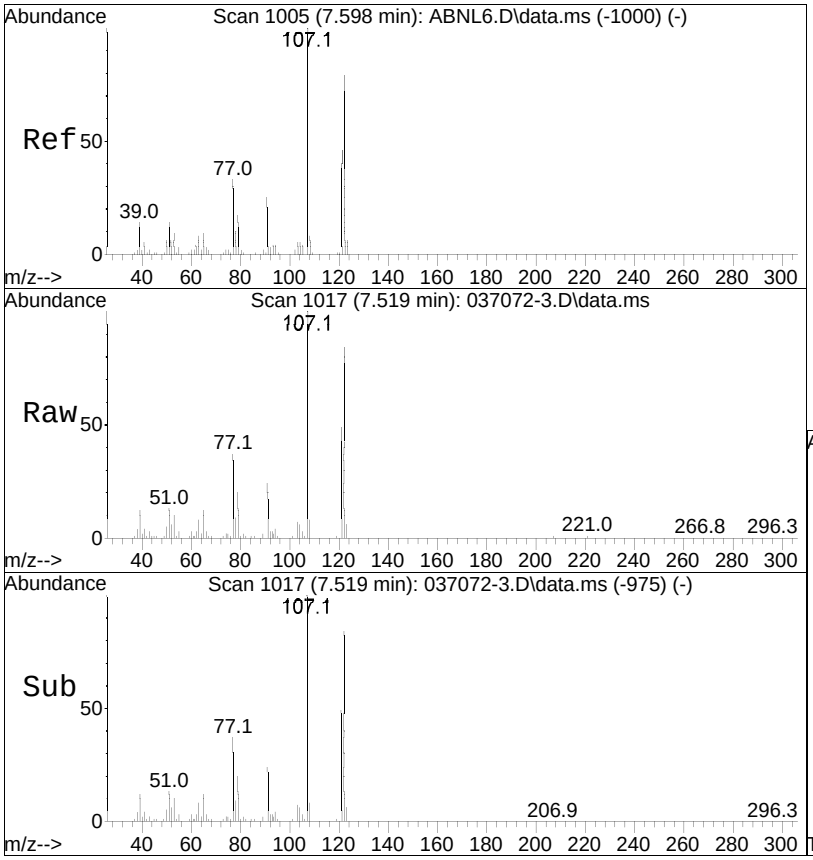


#22
2-Nitrophenol
Concen: 1.72 ug/ml
RT: 7.419 min Scan# 1000
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:139 Resp: 15225

Ion	Ratio	Lower	Upper
139	100		
109	34.6	19.4	29.0#
65	60.8	46.1	69.1

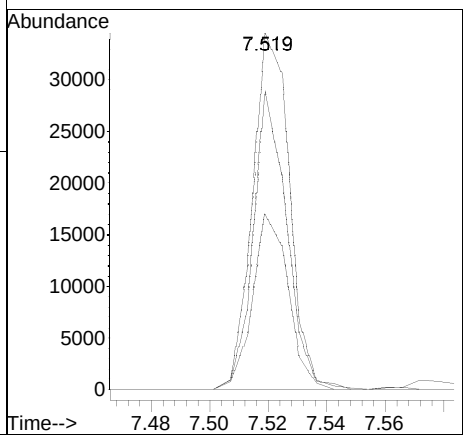


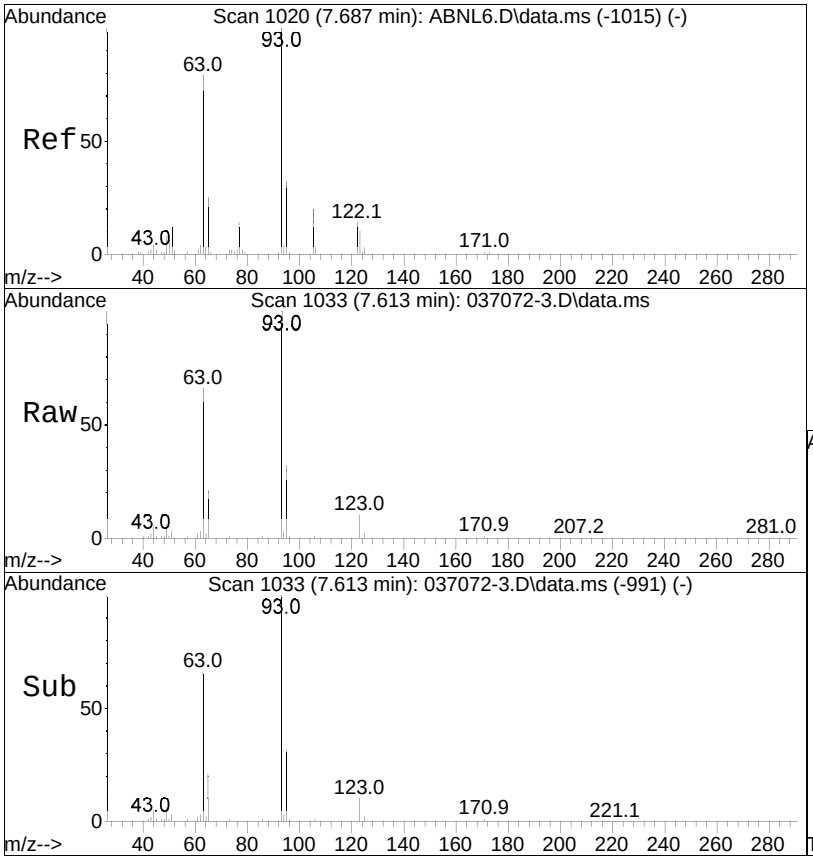


#23
2,4-Dimethylphenol
Concen: 2.18 ug/ml
RT: 7.519 min Scan# 1017
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:107 Resp: 30185

Ion	Ratio	Lower	Upper
107	100		
121	47.8	40.0	60.0
122	75.7	70.2	105.4

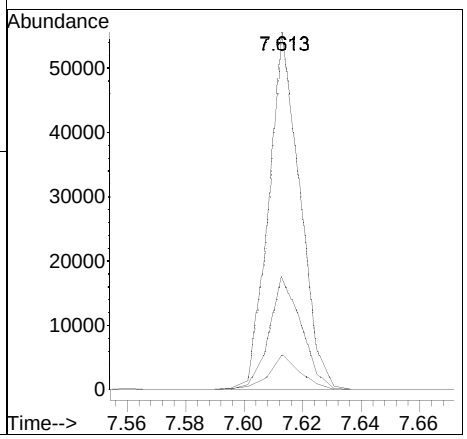


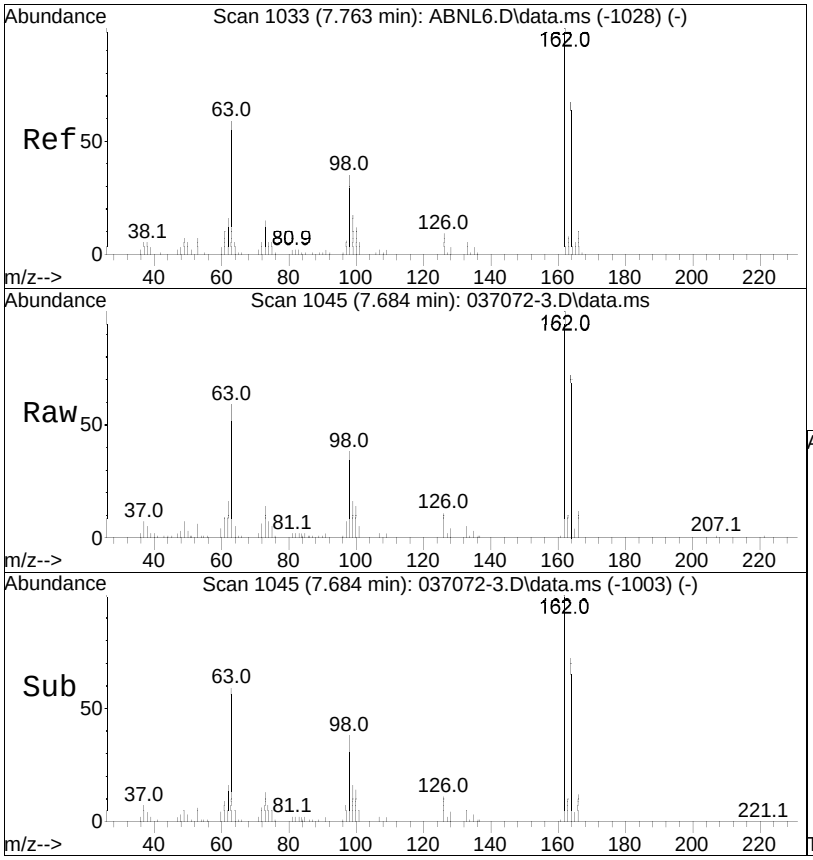


#24
Bis(2-chloroethoxy)methane
Concen: 2.04 ug/ml
RT: 7.613 min Scan# 1033
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 93 Resp: 40920

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	9.7	10.1	15.1#

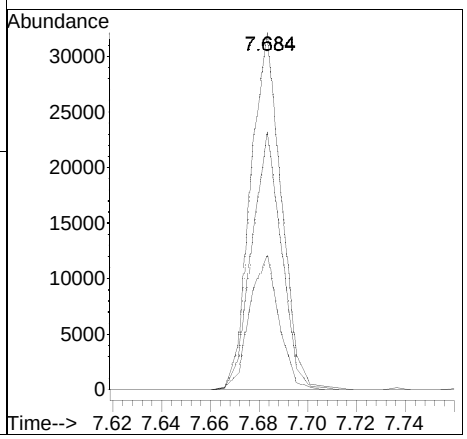


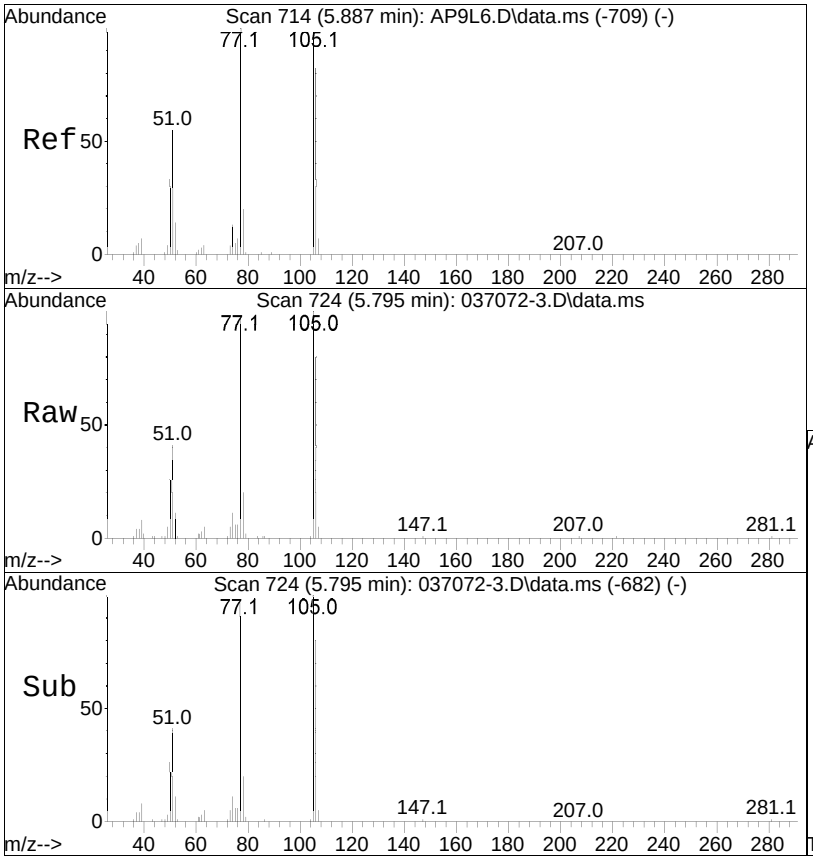


#25
2,4-Dichlorophenol
Concen: 1.80 ug/ml
RT: 7.684 min Scan# 1045
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:162 Resp: 27841

Ion	Ratio	Lower	Upper
162	100		
164	69.8	51.0	76.4
98	36.4	32.2	48.2

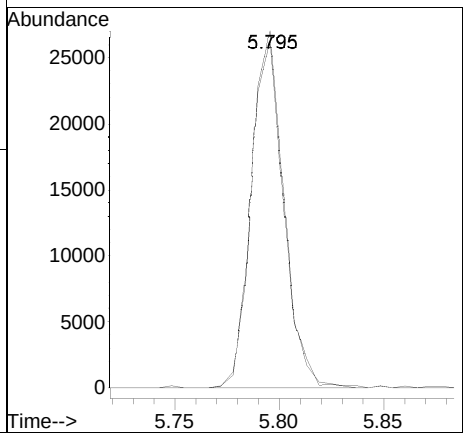


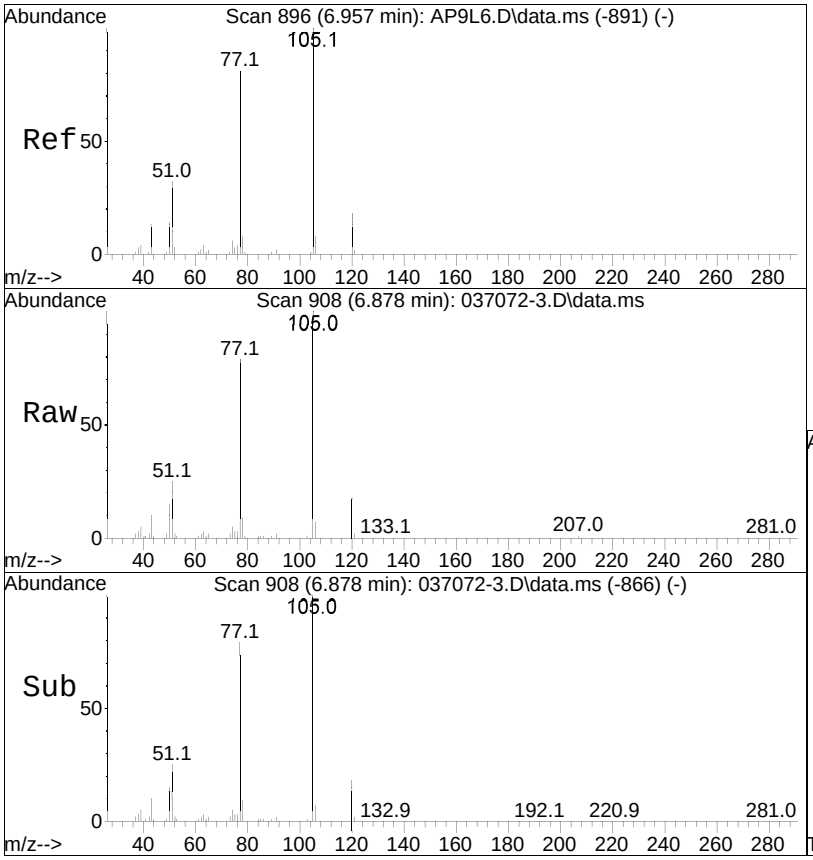


#28
Benzaldehyde
Concen: 2.47 ug/ml
RT: 5.795 min Scan# 724
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:105 Resp: 29070

Ion	Ratio	Lower	Upper
105	100		
77	97.8	82.2	123.4

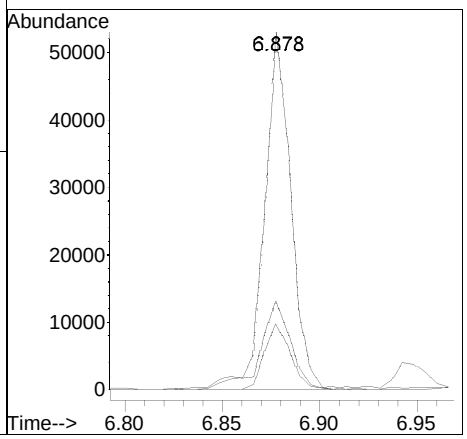


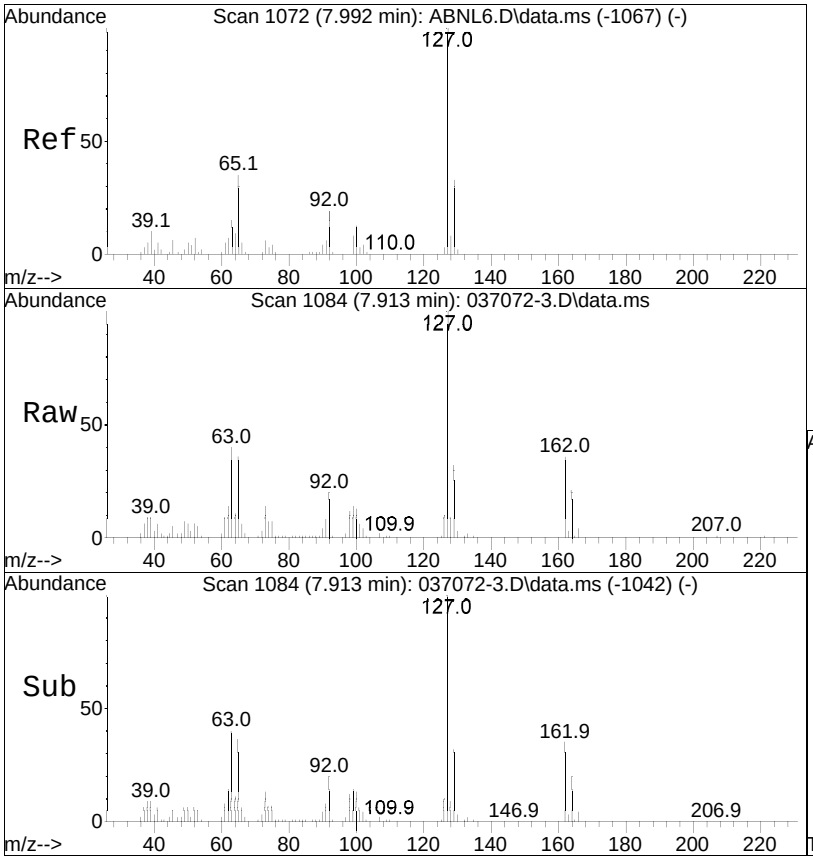


#29
Acetophenone
Concen: 2.16 ug/ml
RT: 6.878 min Scan# 908
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:105 Resp: 48928

Ion	Ratio	Lower	Upper
105	100		
120	18.2	20.5	30.7#
51	29.8	34.9	52.3#

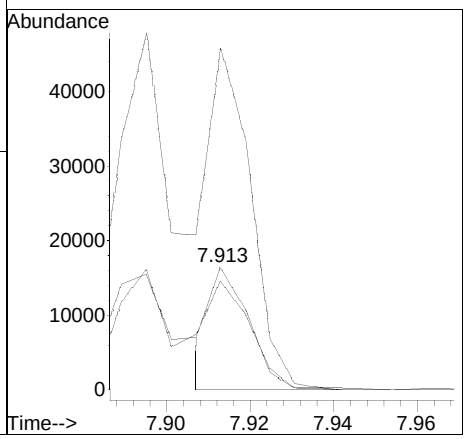


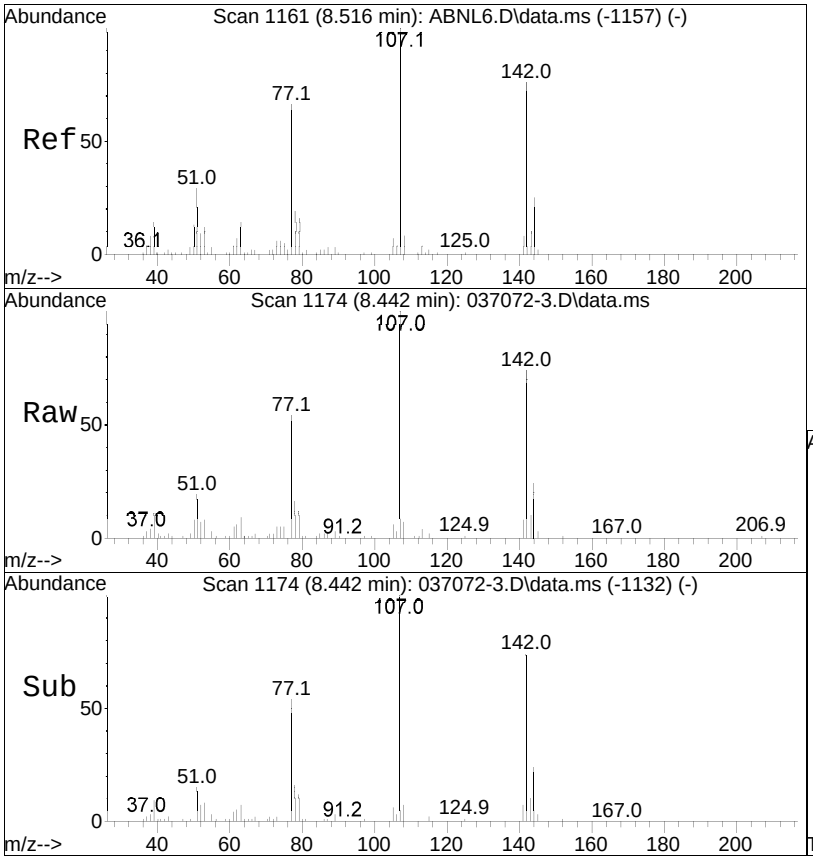


#38
4-Chloroaniline
Concen: 1.82 ug/ml
RT: 7.913 min Scan# 1084
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 65 Resp: 10571

Ion	Ratio	Lower	Upper
65	100		
127	293.6	237.6	356.4
129	93.7	76.3	114.5

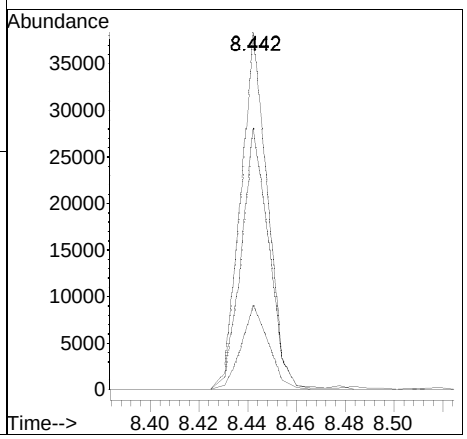


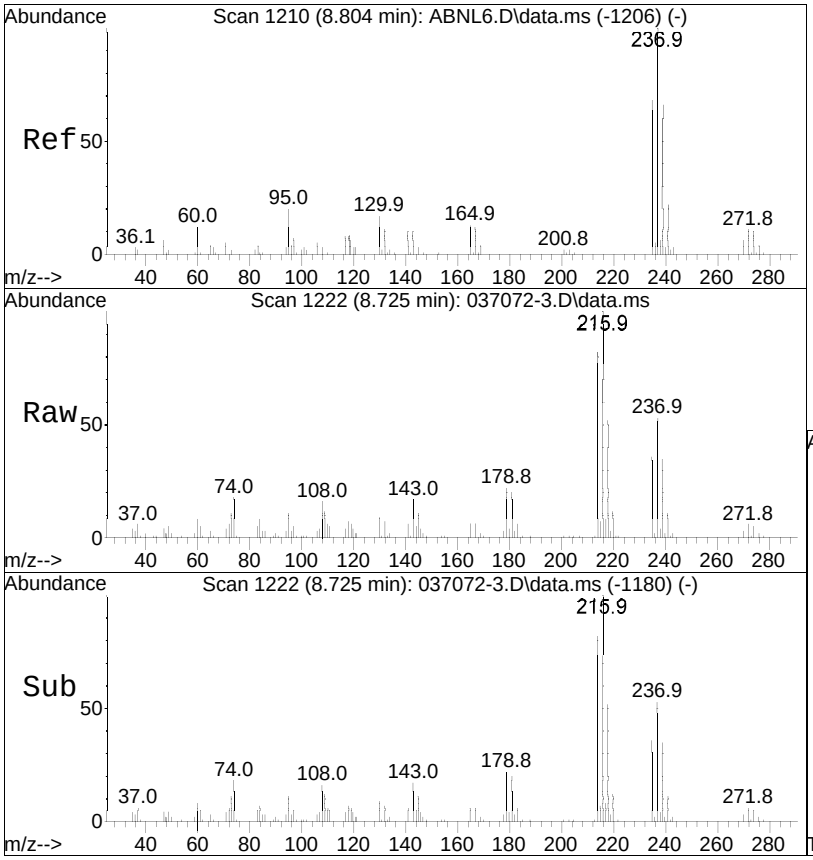


#40
p-Chloro-m-cresol
Concen: 2.15 ug/ml
RT: 8.442 min Scan# 1174
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:107 Resp: 29315

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.9	31.3
142	74.3	66.1	99.1

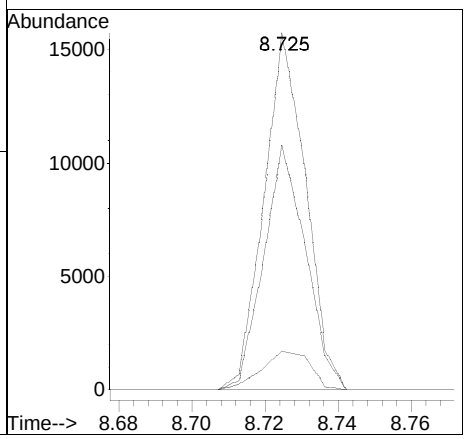


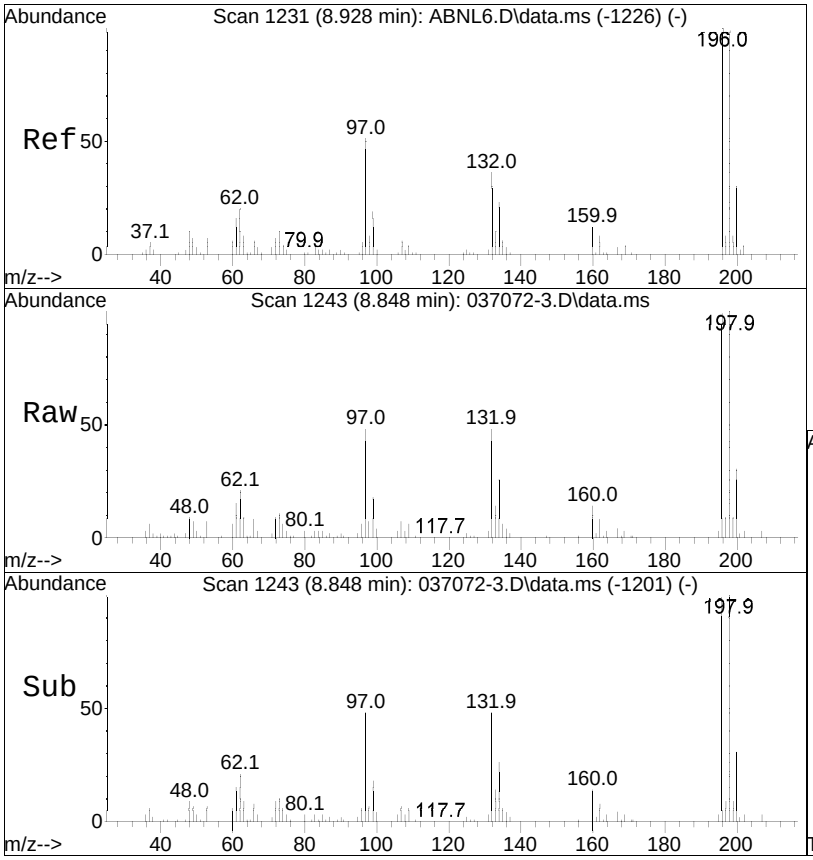


#43
Hexachlorocyclopentadiene
Concen: 1.03 ug/ml
RT: 8.725 min Scan# 1222
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:237 Resp: 12455

Ion	Ratio	Lower	Upper
237	100		
235	69.1	49.7	74.5
272	12.9	9.8	14.6

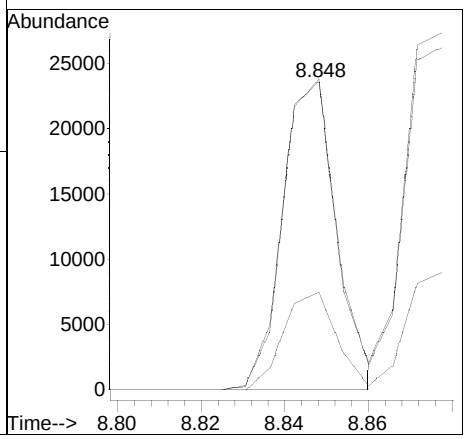


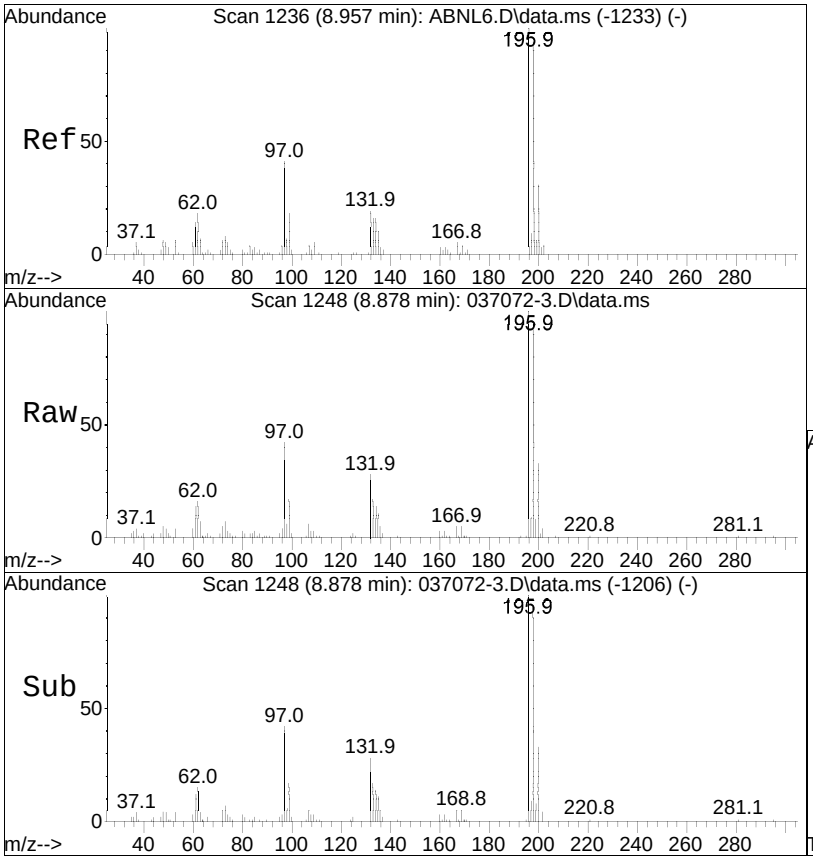


#44
2,4,6-Trichlorophenol
Concen: 1.68 ug/ml
RT: 8.848 min Scan# 1243
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:196 Resp: 21282

Ion	Ratio	Lower	Upper
196	100		
198	99.9	77.5	116.3
200	31.3	23.8	35.6

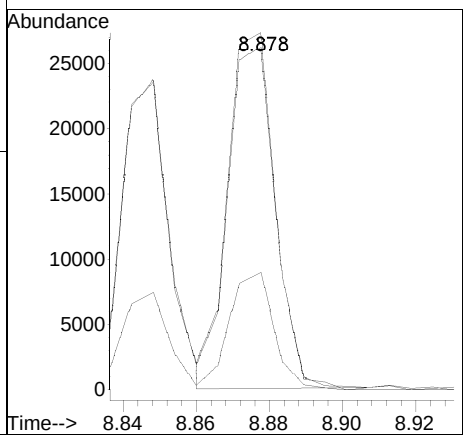


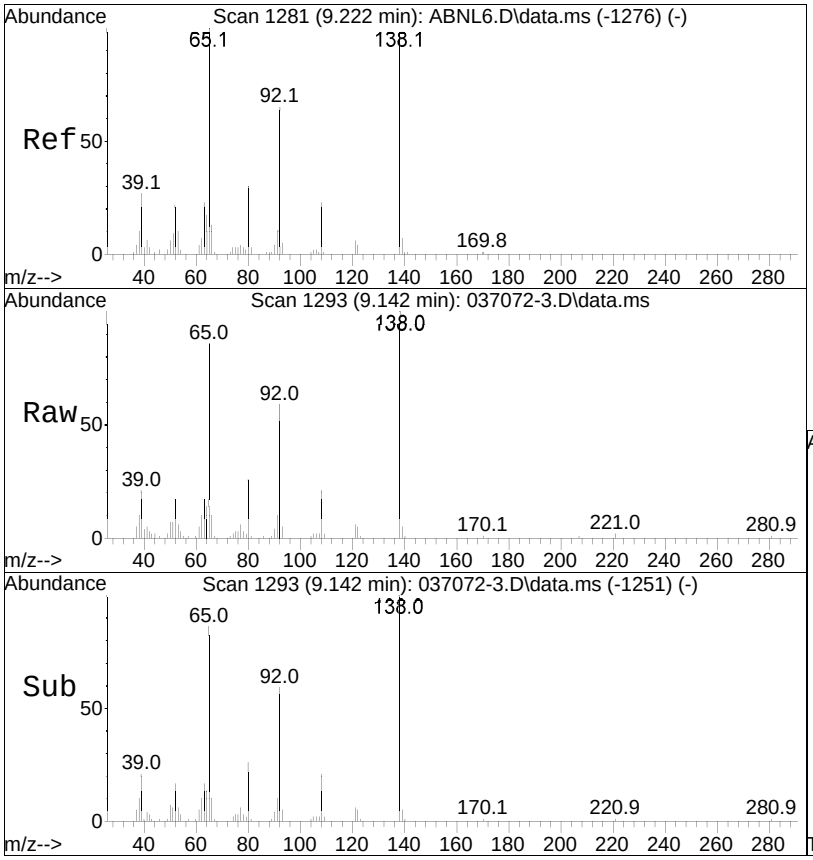


#45
2,4,5-Trichlorophenol
Concen: 1.86 ug/ml
RT: 8.878 min Scan# 1248
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:196 Resp: 24356

Ion	Ratio	Lower	Upper
196	100		
200	31.6	25.4	38.0
198	98.5	78.0	117.0

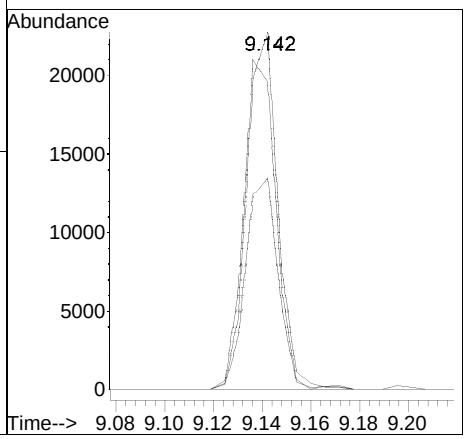


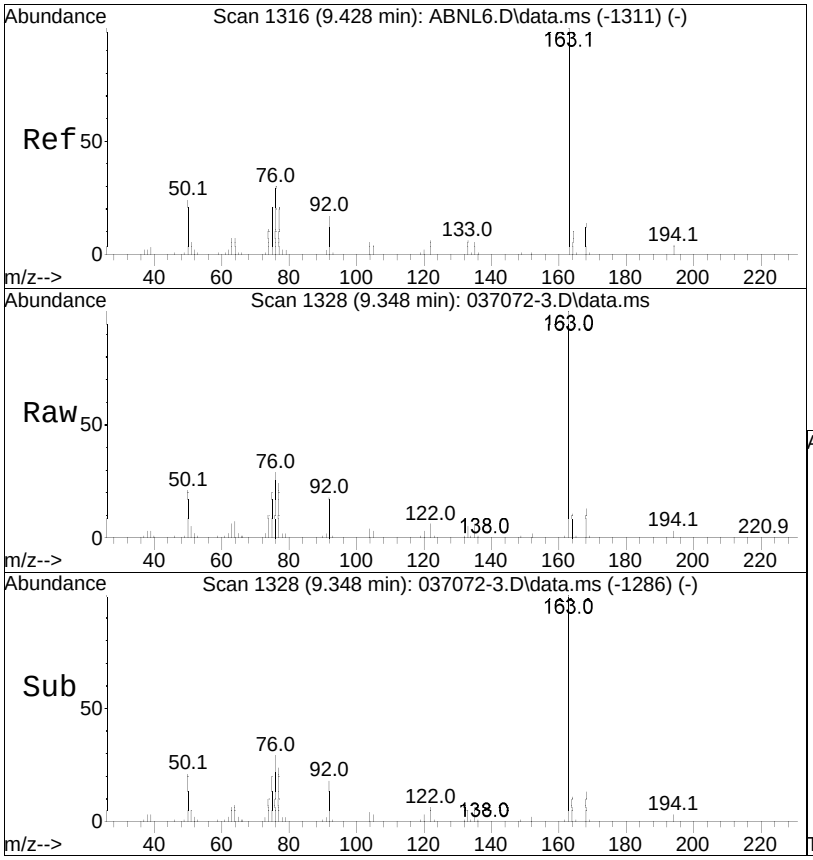


#48
2-Nitroaniline
Concen: 1.95 ug/ml
RT: 9.142 min Scan# 1293
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:138 Resp: 20009

Ion	Ratio	Lower	Upper
138	100		
92	62.6	53.5	80.3
65	96.1	86.3	129.5

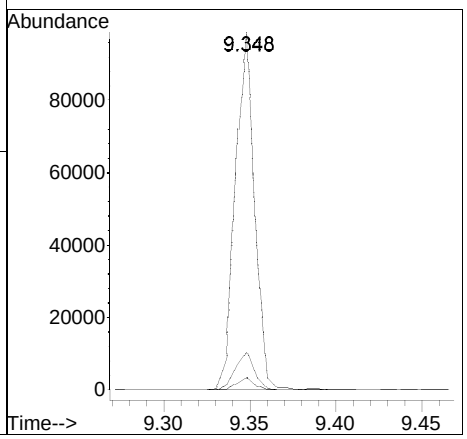


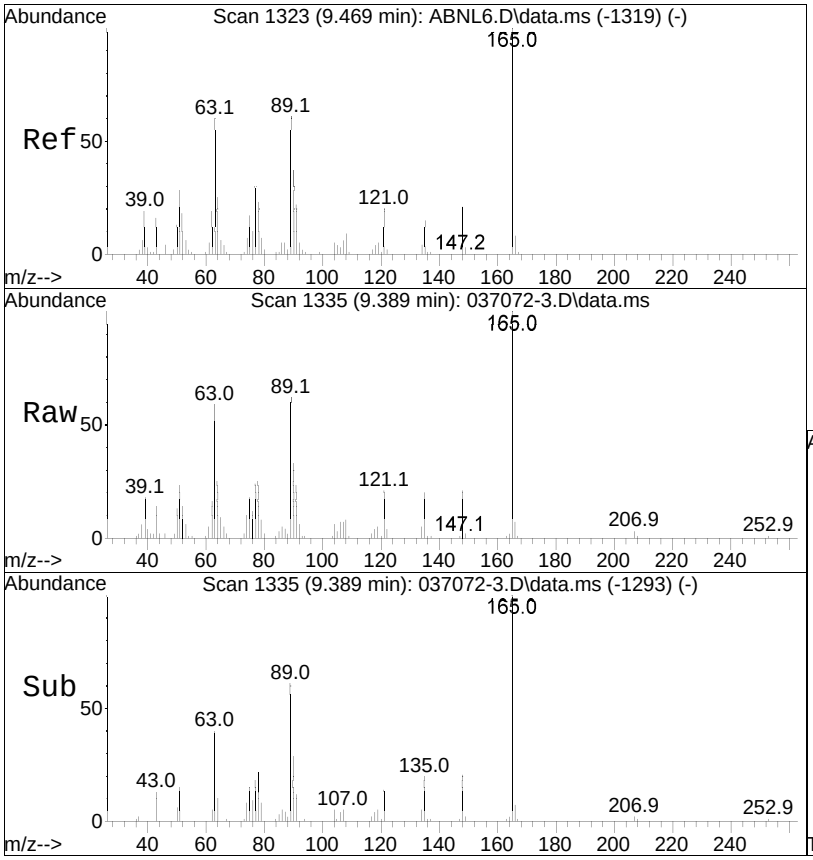


#51
Dimethyl phthalate
Concen: 1.81 ug/ml
RT: 9.348 min Scan# 1328
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:163 Resp: 76263

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	10.5	7.9	11.9

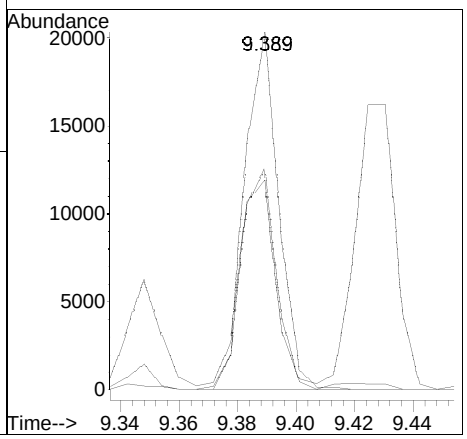


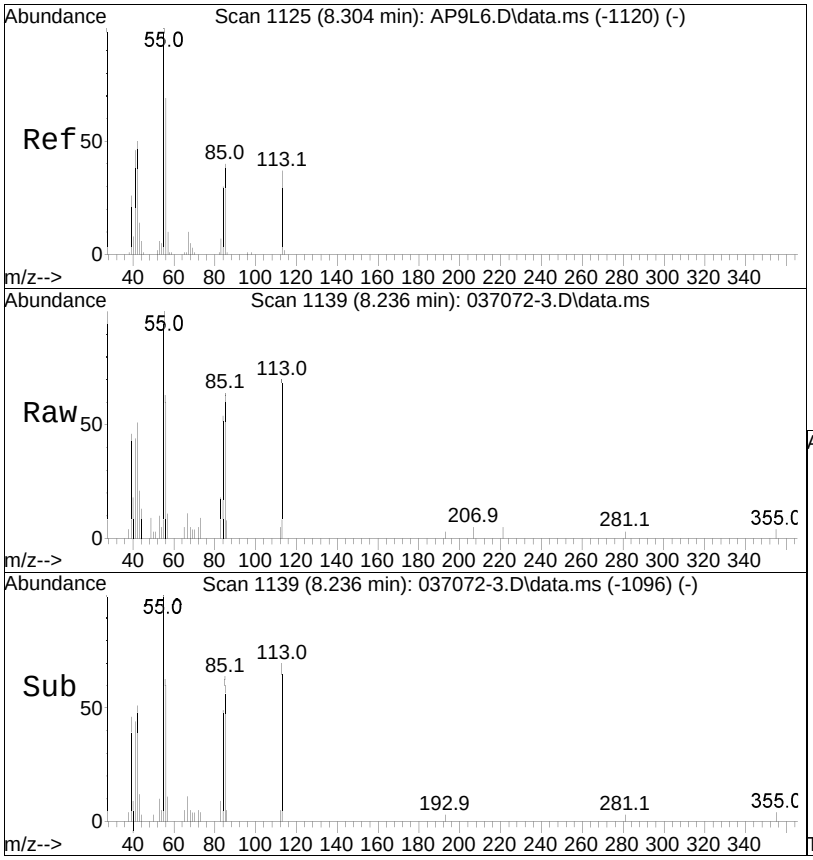


#53
2,6-Dinitrotoluene
Concen: 1.92 ug/ml
RT: 9.389 min Scan# 1335
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:165 Resp: 16376

Ion	Ratio	Lower	Upper
165	100		
89	64.0	54.2	81.2
63	64.3	64.2	96.2

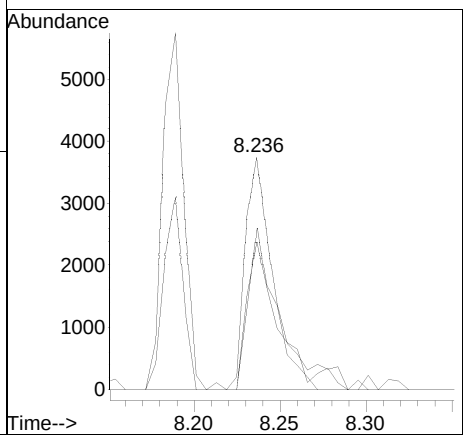


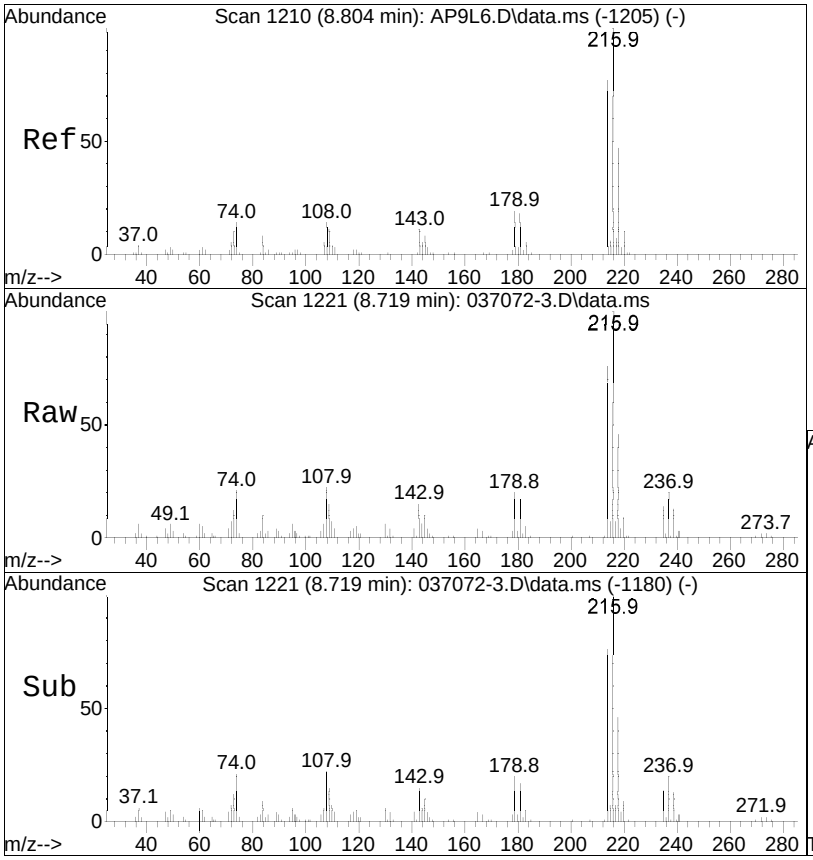


#60
Caprolactam
Concen: 0.71 ug/ml
RT: 8.236 min Scan# 1139
Delta R.T. 0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 55 Resp: 4774

Ion	Ratio	Lower	Upper
55	100		
85	64.4	19.8	29.6#
113	59.5	29.6	44.4#

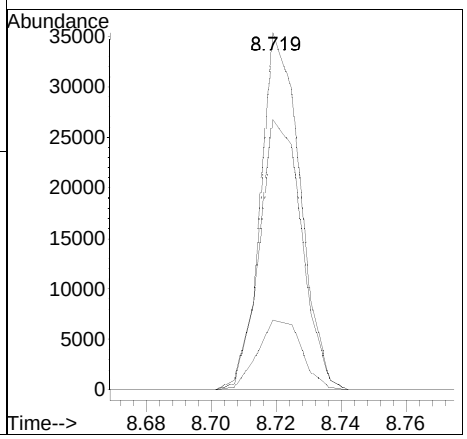


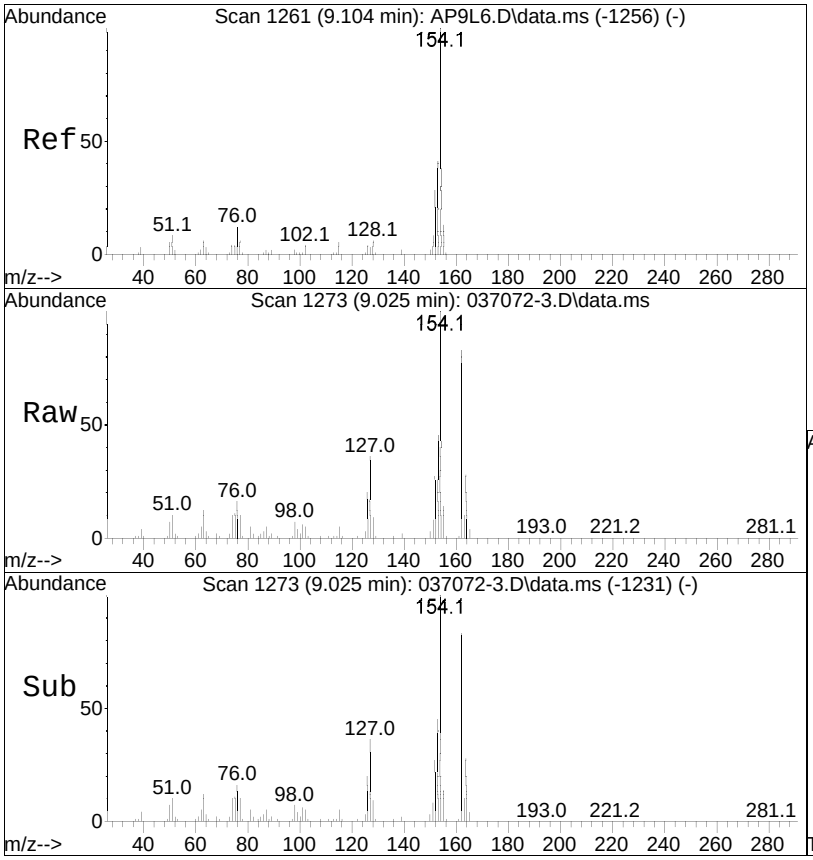


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.61 ug/ml
RT: 8.719 min Scan# 1221
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:216 Resp: 29797

Ion	Ratio	Lower	Upper
216	100		
214	81.3	63.7	95.5
179	22.0	19.0	28.6

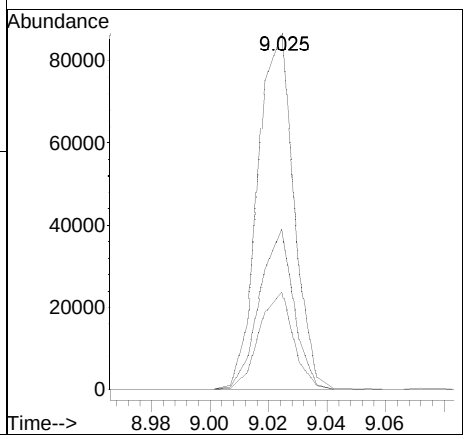


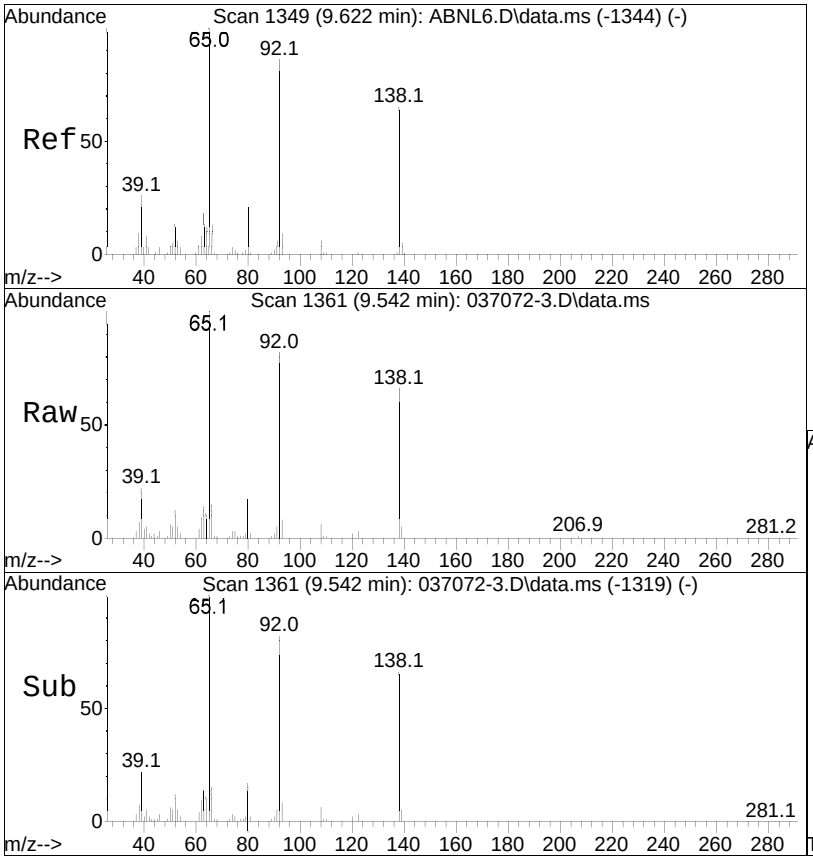


#62
Biphenyl
Concen: 1.78 ug/ml
RT: 9.025 min Scan# 1273
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:154 Resp: 73992

Ion	Ratio	Lower	Upper
154	100		
153	42.8	32.3	48.5
152	26.2	22.5	33.7

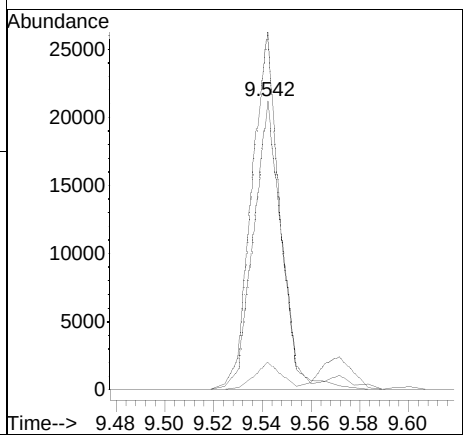


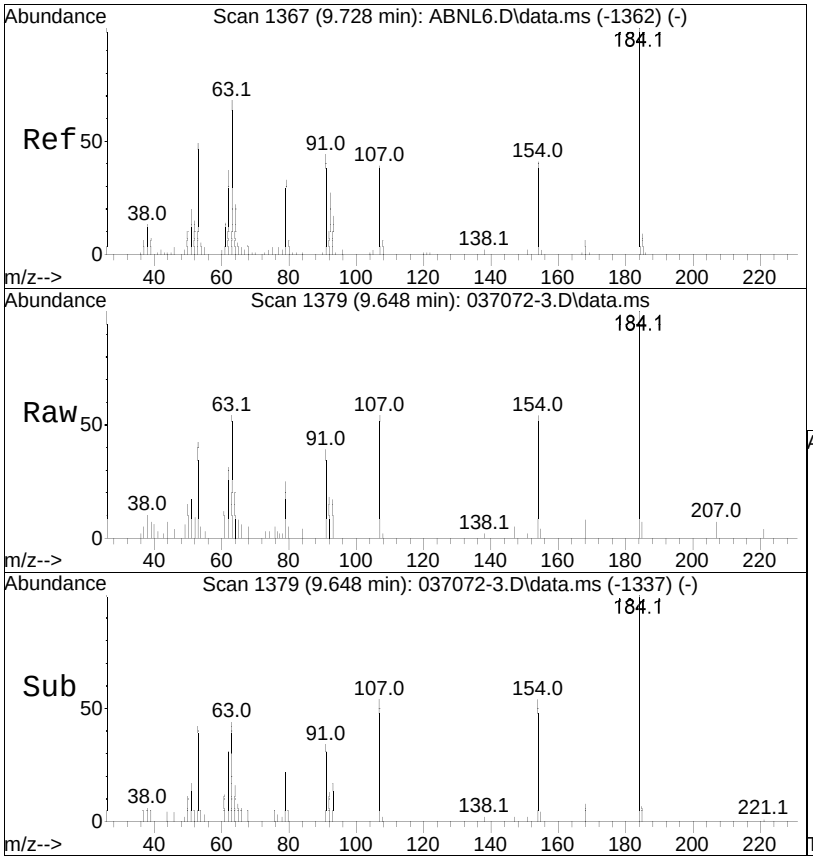


#64
3-Nitroaniline
Concen: 1.96 ug/ml
RT: 9.542 min Scan# 1361
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:138 Resp: 16973

Ion	Ratio	Lower	Upper
138	100		
92	121.8	93.4	140.2
108	9.1	9.5	14.3#

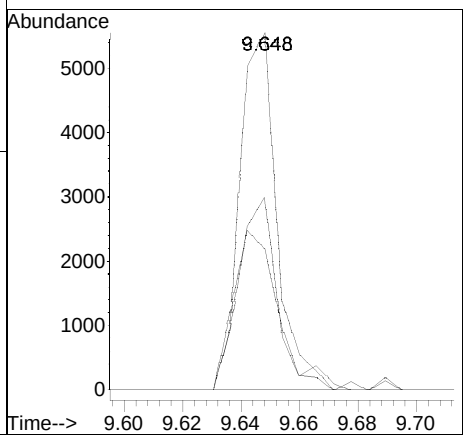


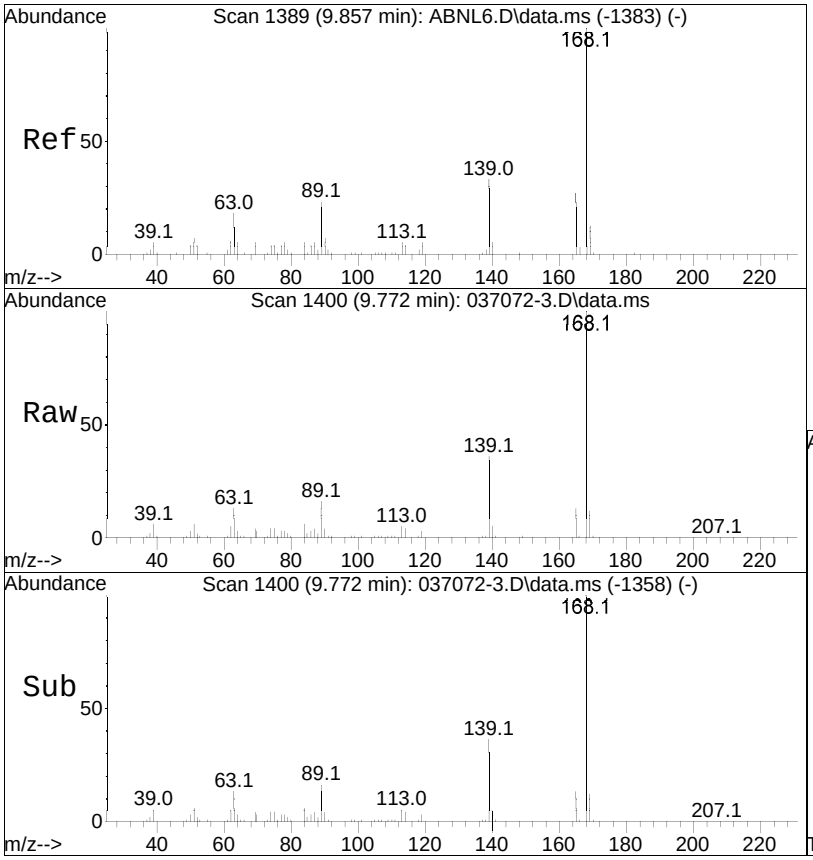


#66
2,4-Dinitrophenol
Concen: 1.91 ug/ml
RT: 9.648 min Scan# 1379
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:184 Resp: 4916

Ion	Ratio	Lower	Upper
184	100		
107	55.2	37.7	56.5
91	54.1	46.3	69.5

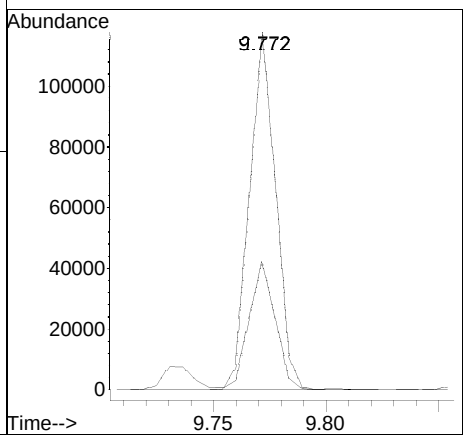


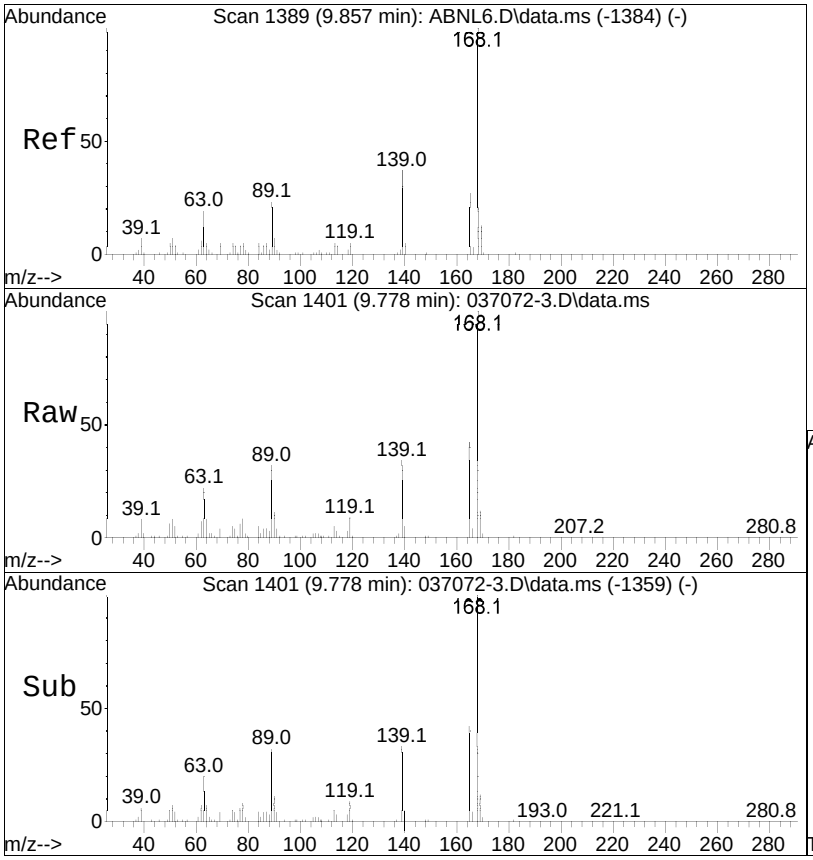


#67
Dibenzofuran
Concen: 1.88 ug/ml
RT: 9.772 min Scan# 1400
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:168 Resp: 94418

Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.4	47.2

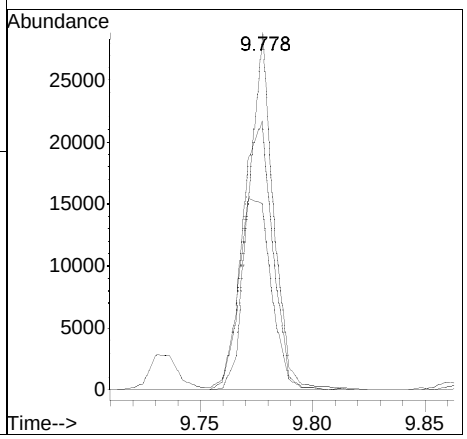


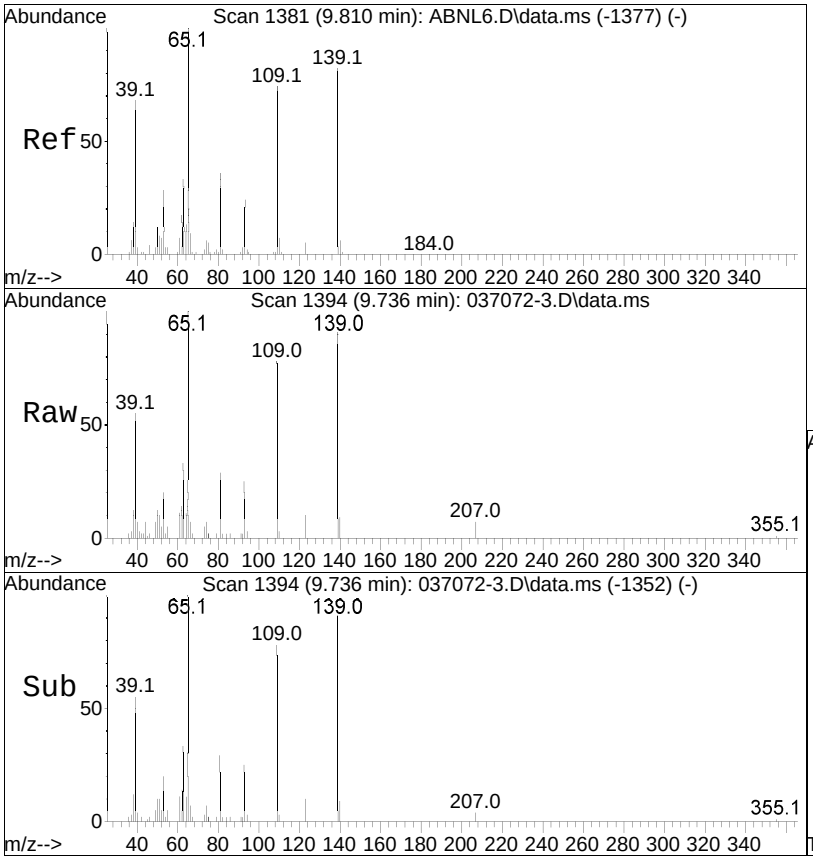


#68
2,4-Dinitrotoluene
Concen: 1.94 ug/ml
RT: 9.778 min Scan# 1401
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:165 Resp: 21795

Ion	Ratio	Lower	Upper
165	100		
89	92.6	72.0	108.0
63	71.5	52.7	79.1

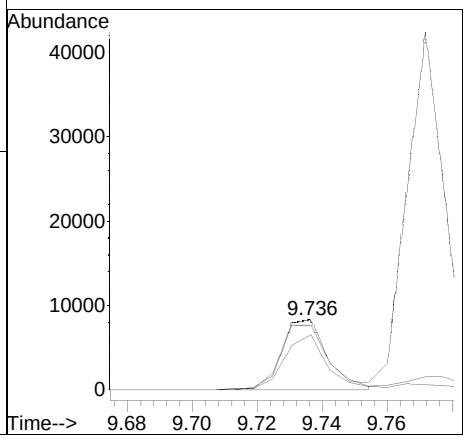


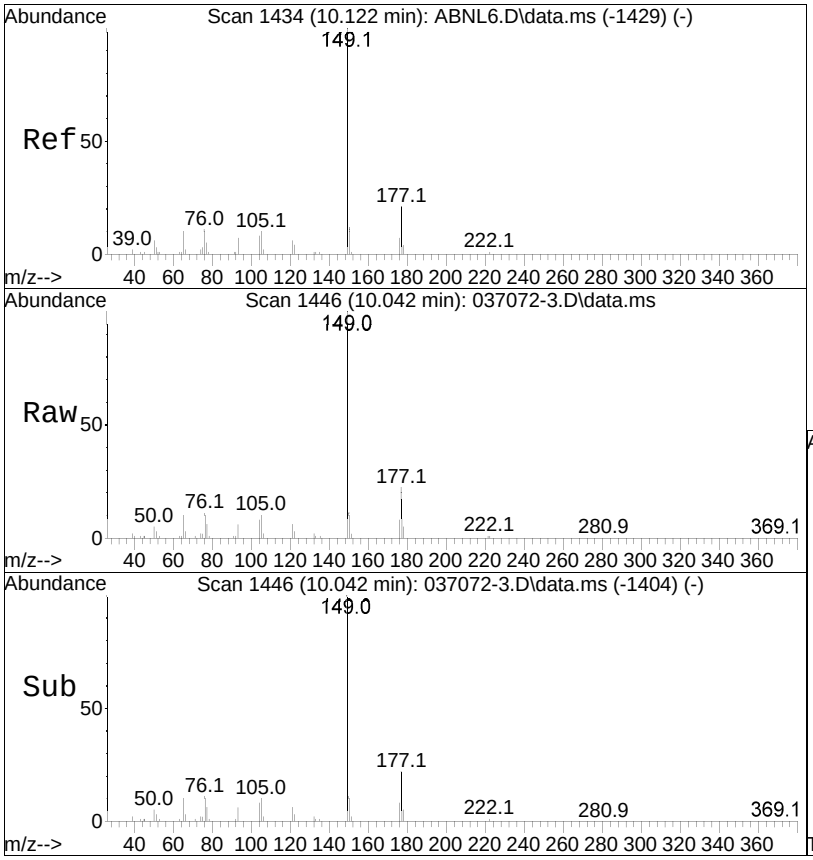


#69
4-Nitrophenol
Concen: 1.28 ug/ml
RT: 9.736 min Scan# 1394
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion: 65 Resp: 8229

Ion	Ratio	Lower	Upper
65	100		
109	73.7	47.4	71.2#
139	95.4	76.6	115.0

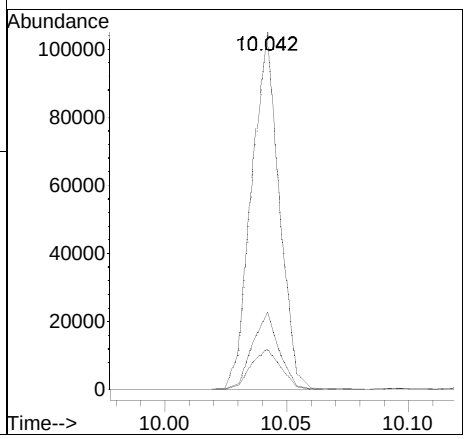


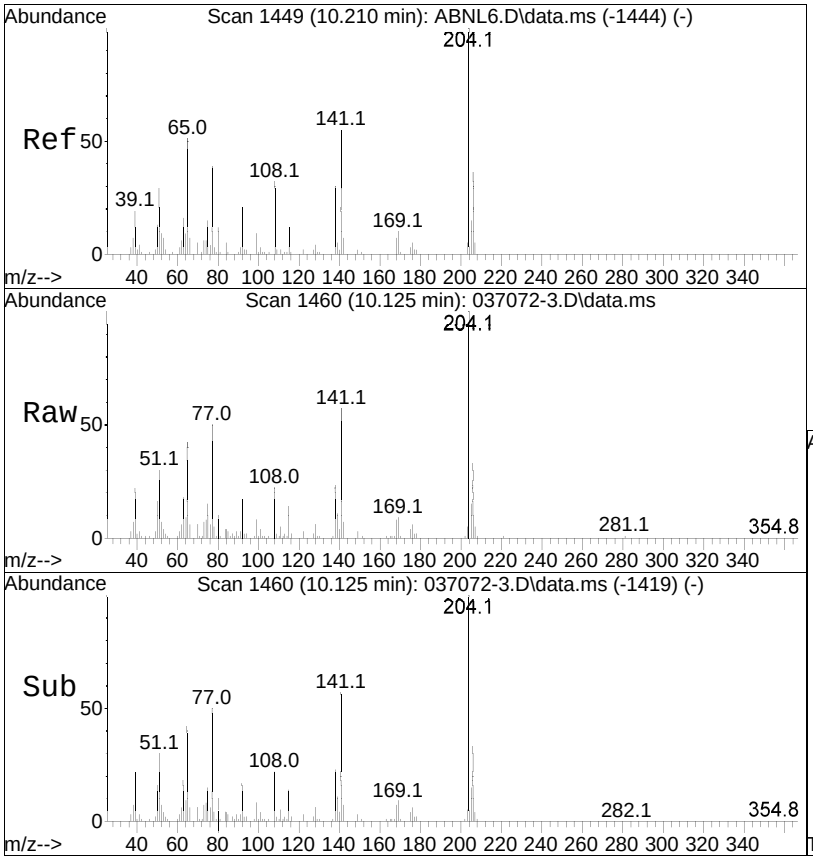


#72
Diethyl phthalate
Concen: 2.01 ug/ml
RT: 10.042 min Scan# 1446
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:149 Resp: 81646

Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.1	24.1
150	12.2	9.4	14.2

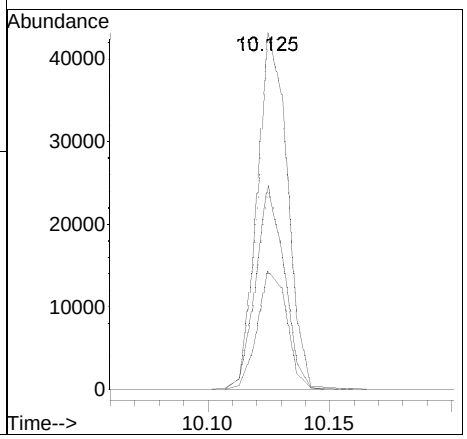


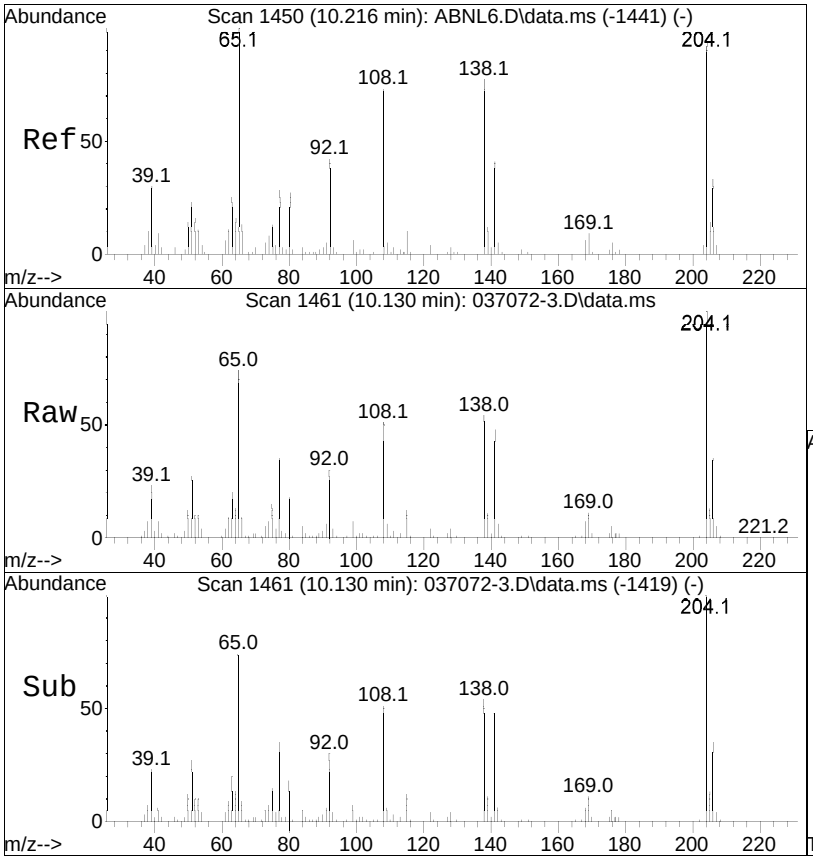


#74
4-Chlorophenyl phenyl ether
Concen: 1.84 ug/ml
RT: 10.125 min Scan# 1460
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:204 Resp: 36985

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	54.3	53.6	80.4

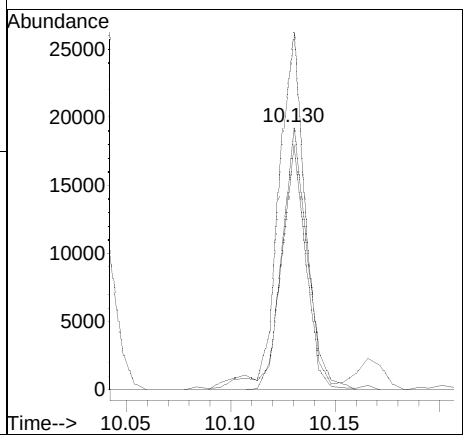


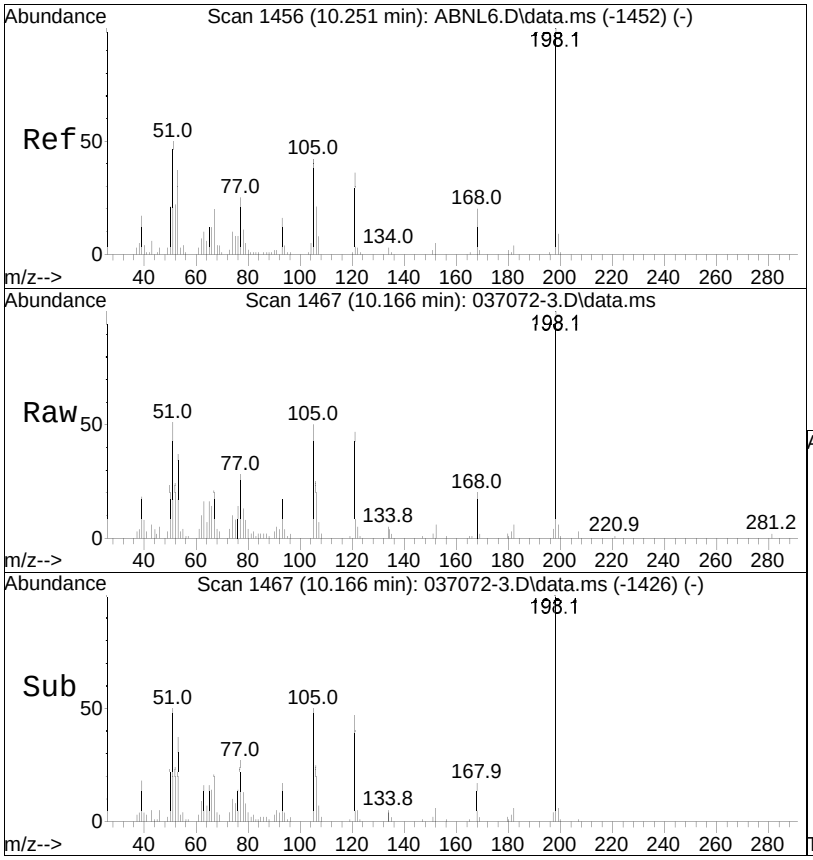


#75
4-Nitroaniline
Concen: 1.95 ug/ml
RT: 10.130 min Scan# 1461
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:138 Resp: 17157

Ion	Ratio	Lower	Upper
138	100		
108	84.2	52.1	78.1#
65	134.5	115.0	172.6

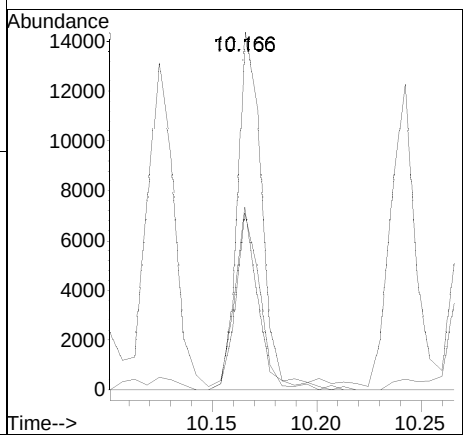


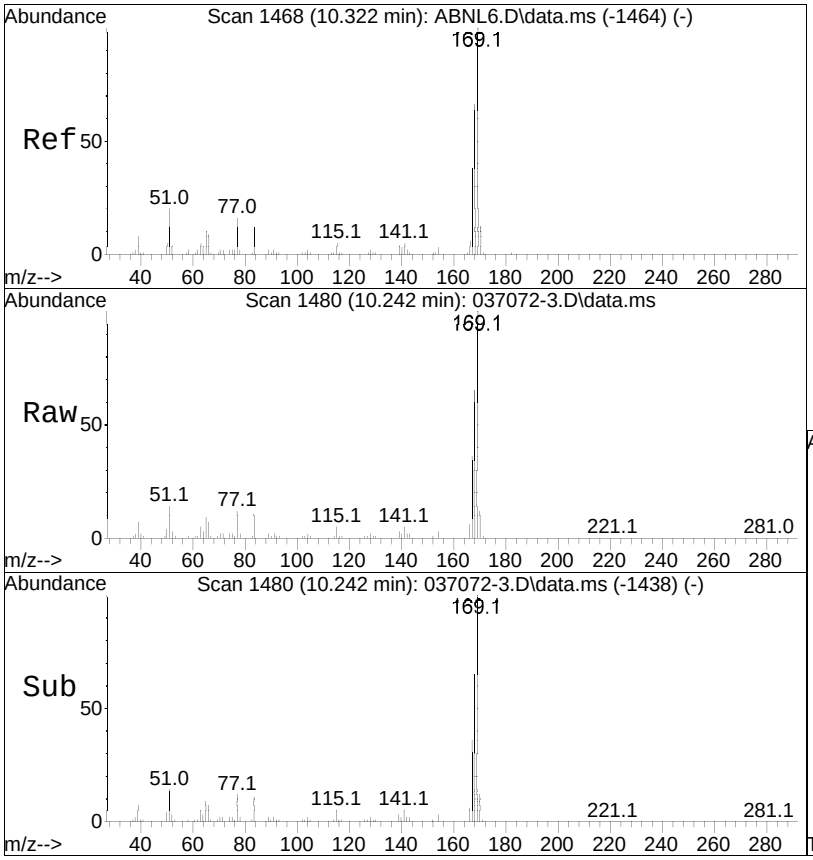


#76
4,6-Dinitro-o-cresol
Concen: 1.78 ug/ml
RT: 10.166 min Scan# 1467
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:198 Resp: 11712

Ion	Ratio	Lower	Upper
198	100		
51	45.0	76.0	114.0#
105	49.5	45.6	68.4

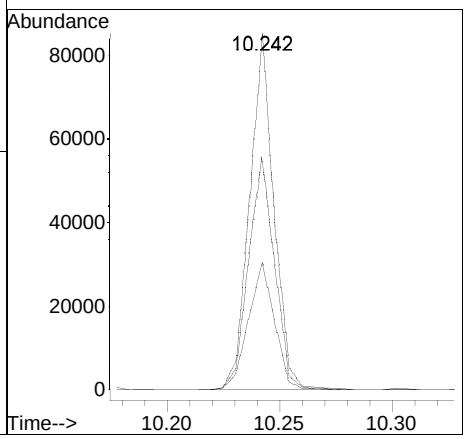


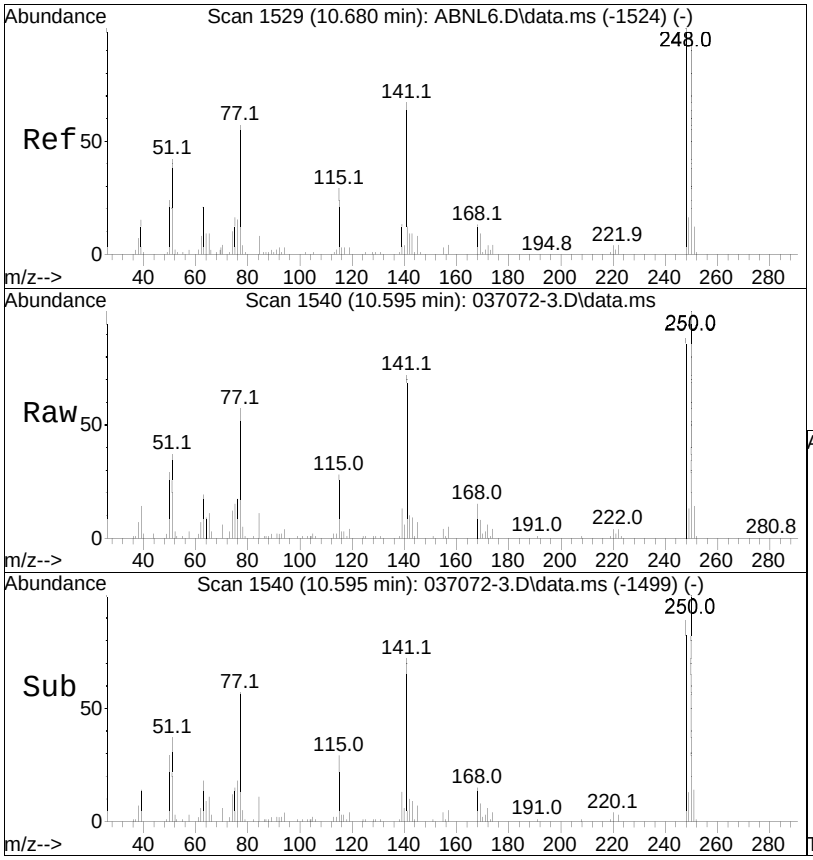


#77
NDPA/DPA
Concen: 1.88 ug/ml
RT: 10.242 min Scan# 1480
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:169 Resp: 63673

Ion	Ratio	Lower	Upper
169	100		
168	69.8	54.0	81.0
167	39.0	28.6	42.8

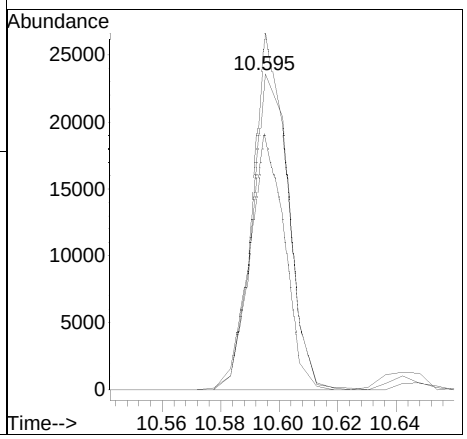


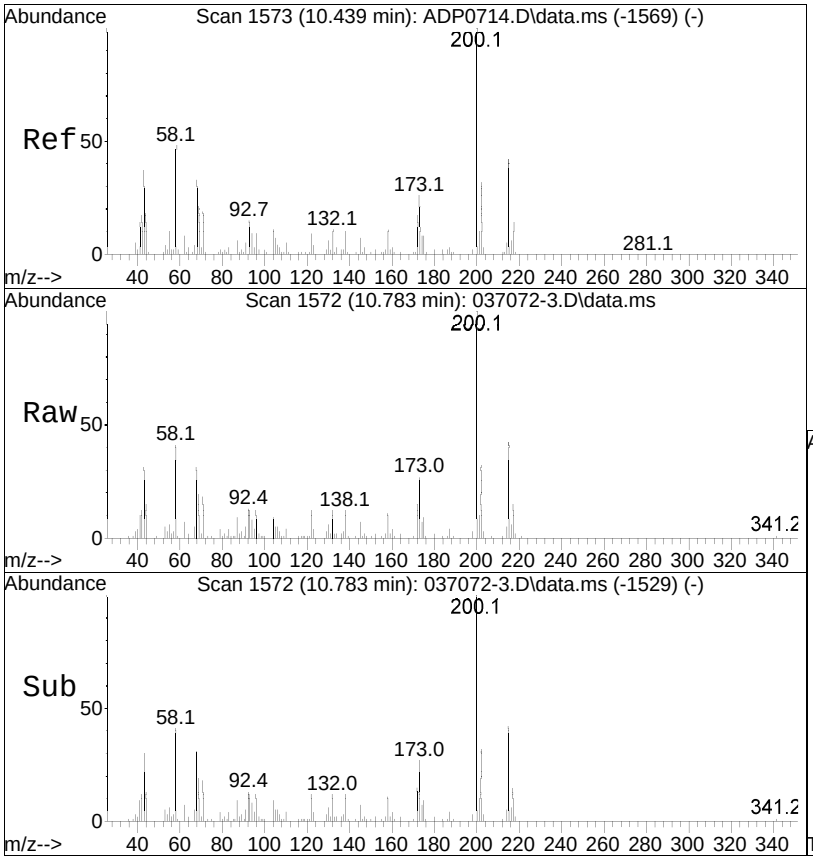


#80
4-Bromophenyl phenyl ether
Concen: 1.66 ug/ml
RT: 10.595 min Scan# 1540
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:248 Resp: 20700

Ion	Ratio	Lower	Upper
248	100		
141	77.0	76.6	114.8
250	105.3	77.3	115.9

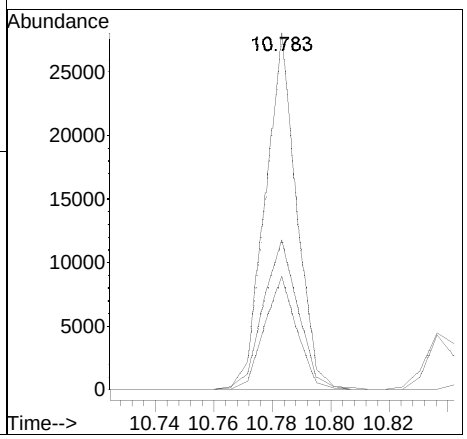


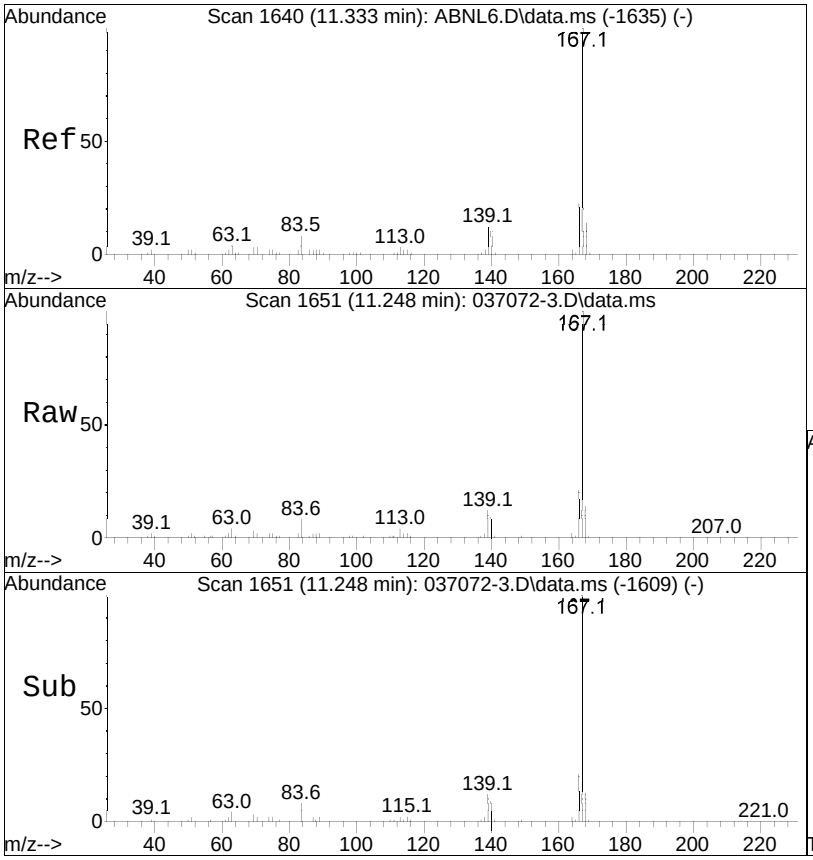


#87
Atrazine
Concen: 1.86 ug/ml
RT: 10.783 min Scan# 1572
Delta R.T. 0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:200 Resp: 20691

Ion	Ratio	Lower	Upper
200	100		
202	33.0	25.8	38.6
215	47.2	40.2	60.4

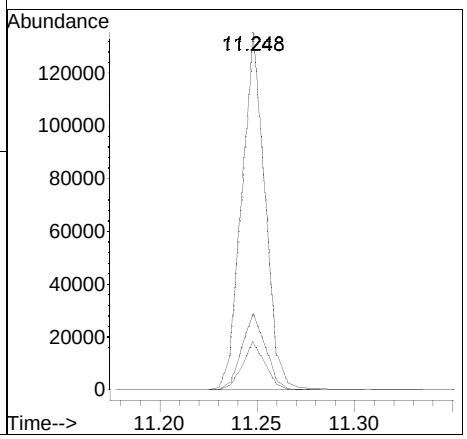


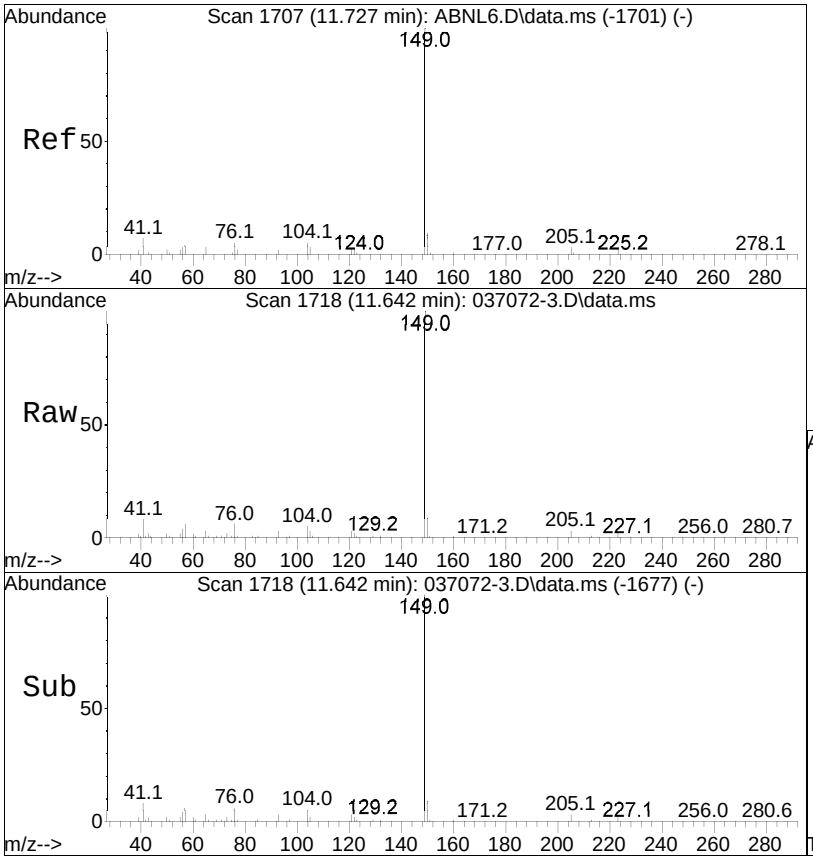


#91
Carbazole
Concen: 2.05 ug/ml
RT: 11.248 min Scan# 1651
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:167 Resp: 111289

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.1	17.4	26.0

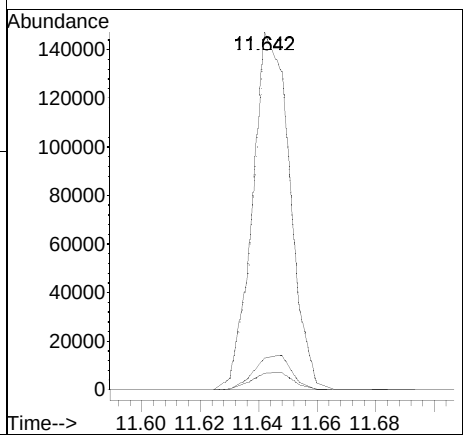


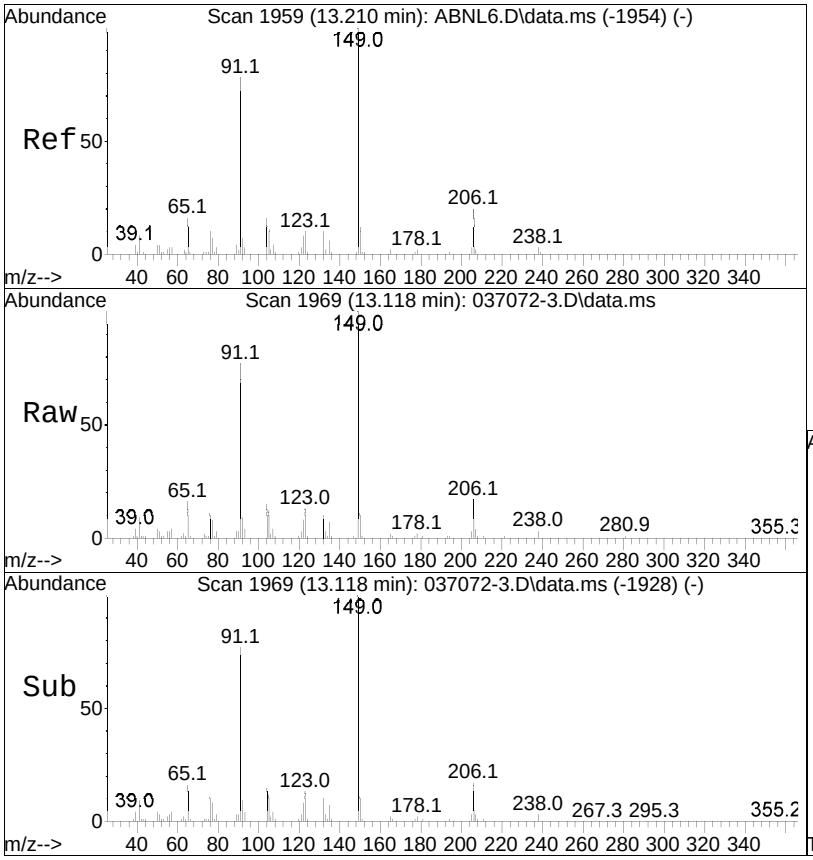


#92
Di-n-butylphthalate
Concen: 1.89 ug/ml
RT: 11.642 min Scan# 1718
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:149 Resp: 128558

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.0	10.6
104	5.4	4.5	6.7

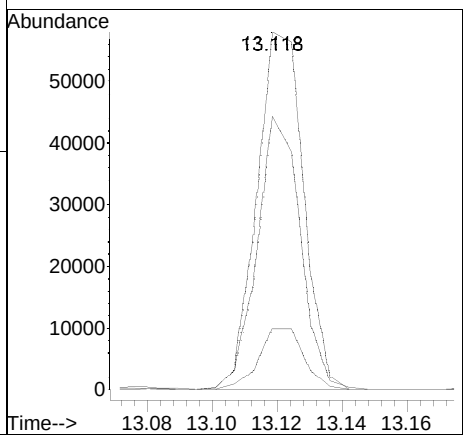


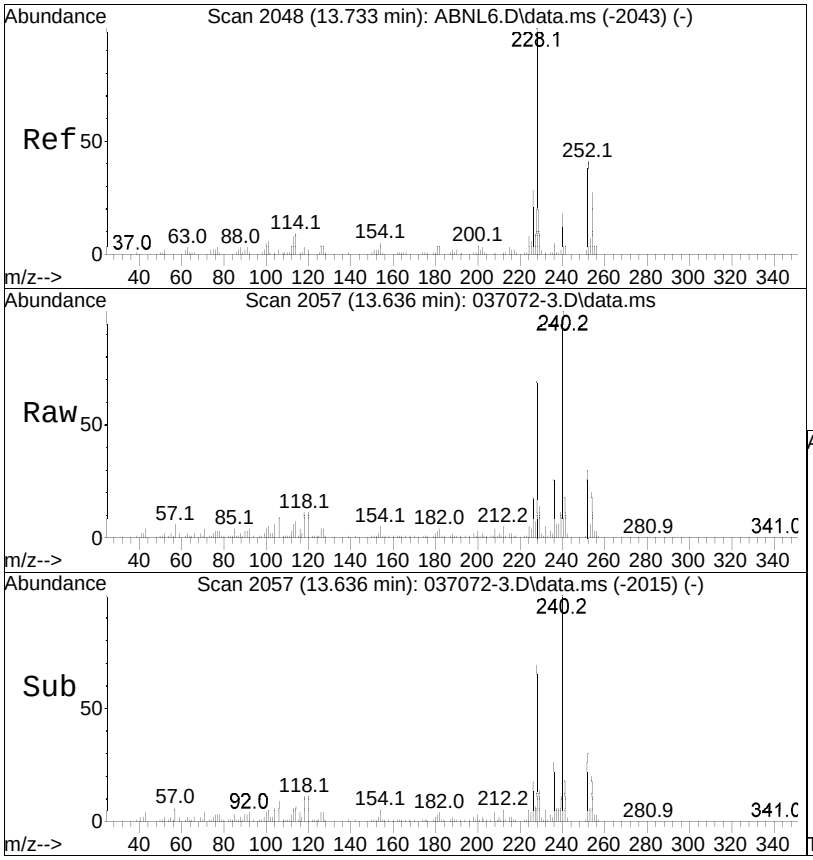


#97
Butyl benzyl phthalate
Concen: 2.01 ug/ml
RT: 13.118 min Scan# 1969
Delta R.T. -0.006 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:149 Resp: 57457

Ion	Ratio	Lower	Upper
149	100		
91	70.8	63.3	94.9
206	16.7	13.9	20.9

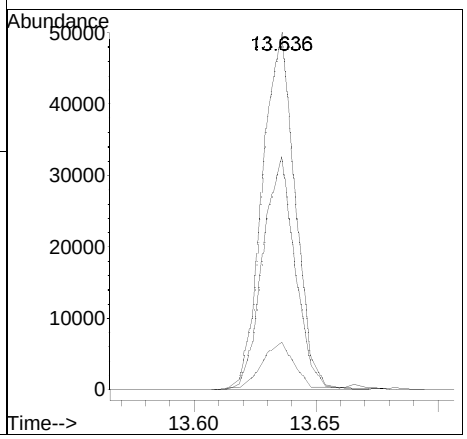


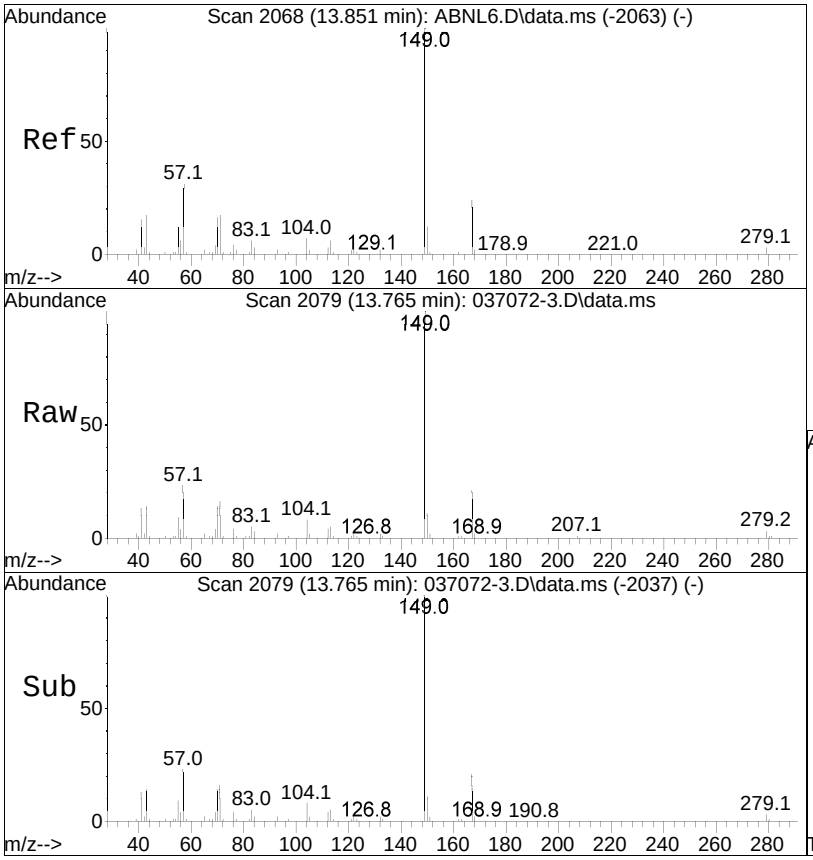


#106
3,3'-Dichlorobenzidine
Concen: 2.04 ug/ml
RT: 13.636 min Scan# 2057
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:252 Resp: 46690

Ion	Ratio	Lower	Upper
252	100		
126	14.0	14.5	21.7#
254	64.6	51.2	76.8

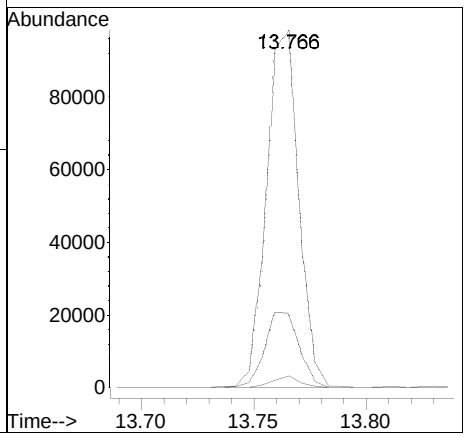


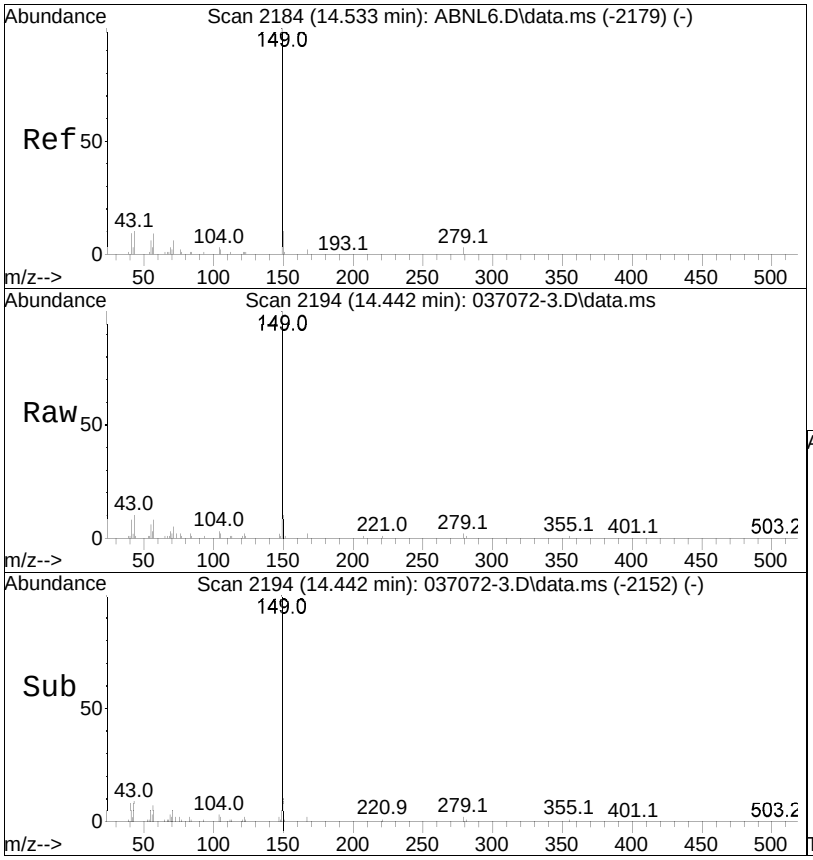


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.31 ug/ml
RT: 13.765 min Scan# 2079
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:149 Resp: 96969

Ion	Ratio	Lower	Upper
149	100		
167	22.6	22.1	33.1
279	2.5	3.0	4.4#

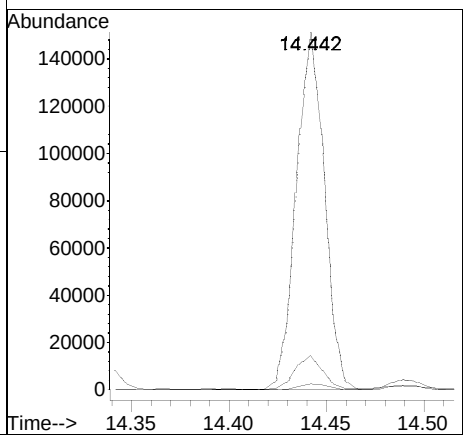




#109
Di-n-octylphthalate
Concen: 2.16 ug/ml
RT: 14.442 min Scan# 2194
Delta R.T. -0.000 min
Lab File: 037072-3.D
Acq: 6 Mar 2025 3:10 am

Tgt Ion:149 Resp: 150122

Ion	Ratio	Lower	Upper
149	100		
43	9.4	18.8	28.2#
167	1.7	1.3	1.9



Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-3.D
Acq On : 10 Mar 2025 11:45 pm
Operator : Dakota:ljg
Sample : WG2038540-3,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:49:36 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.343	152	28789	4.000	ug/ml	0.00
Standard Area 1 = 27477			Recovery = 104.77%			
27) IS2_1,4-Dichlorobenzen...	4.343	152	28789	4.000	ug/ml	0.00
Standard Area 3 = 31522			Recovery = 91.33%			
32) IS3_1,4-Dichlorobenzen...	4.343	152	28789	4.000	ug/ml	0.00
Standard Area 2 = 28785			Recovery = 100.01%			
37) IS1_Naphthalene-d8	5.580	136	105007	4.000	ug/ml	0.00
Standard Area 1 = 102381			Recovery = 102.56%			
57) IS2_Naphthalene-d8	5.580	136	105007	4.000	ug/ml	0.00
Standard Area 3 = 117255			Recovery = 89.55%			
65) IS1_Acenaphthene-d10	7.277	164	71016	4.000	ug/ml	0.00
Standard Area 1 = 74281			Recovery = 95.60%			
85) IS2_Acenaphthene-d10	7.277	164	71016	4.000	ug/ml	0.00
Standard Area 3 = 80847			Recovery = 87.84%			
88) IS3_Acenaphthene-d10	7.277	164	71016	4.000	ug/ml	0.00
Standard Area 2 = 72248			Recovery = 98.29%			
90) IS1_Phenanthrene-d10	8.694	188	162062	4.000	ug/ml	0.00
Standard Area 1 = 169879			Recovery = 95.40%			
102) IS3_Phenanthrene-d10	8.694	188	162062	4.000	ug/ml	0.00
Standard Area 2 = 176444			Recovery = 91.85%			
106) IS1_Chrysene-d12	11.277	240	202896	4.000	ug/ml	0.00
Standard Area 1 = 213117			Recovery = 95.20%			
115) IS1_Perylene-d12	12.707	264	247544	4.000	ug/ml	0.00
Standard Area 1 = 251655			Recovery = 98.37%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.087	112	7698	1.040	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.00%			
7) Phenol-d6	4.079	99	7140	0.753	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.65%			
19) Nitrobenzene-d5	4.896	82	5580	0.649	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.90%			
48) 2-Fluorobiphenyl	6.652	172	17462	0.672	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.20%			
81) 2,4,6-Tribromophenol	8.041	330	6842	1.348	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 67.40%			

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-3.D
Acq On : 10 Mar 2025 11:45 pm
Operator : Dakota:ljg
Sample : WG2038540-3,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:49:36 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Terphenyl-d14	10.264	244	32914	0.702	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.20%

Target Compounds						Qvalue
6) 2-Chlorophenol	4.150	128	11109	1.260	ug/ml#	88
8) Phenol	4.091	94	7527	0.736	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.654	45	14270	1.105	ug/ml#	56
15) 2-Methylphenol	4.669	108	9044	1.164	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.781	70	7659	1.234	ug/ml#	91
18) 3-Methylphenol/4-Methy...	4.831	108	9773	1.148	ug/ml#	59
20) Nitrobenzene	4.912	77	11593	1.318	ug/ml	96
21) Isophorone	5.157	82	19055	1.178	ug/ml	98
22) 2-Nitrophenol	5.225	139	5906	1.326	ug/ml	93
23) 2,4-Dimethylphenol	5.328	107	10027	1.266	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.400	93	12309	1.222	ug/ml#	95
25) 2,4-Dichlorophenol	5.483	162	11914	1.288	ug/ml#	93
28) Benzaldehyde	3.908	105	8341	1.647	ug/ml	97
29) Acetophenone	4.756	105	15432	1.528	ug/ml#	81
40) 4-Chloroaniline	5.685	65	3372M3	1.062	ug/ml	
42) p-Chloro-m-cresol	6.208	107	10215	1.343	ug/ml	87
45) Hexachlorocyclopentadiene	6.450	237	8328	1.165	ug/ml	99
46) 2,4,6-Trichlorophenol	6.578	196	10047	1.335	ug/ml	99
47) 2,4,5-Trichlorophenol	6.618	196	11203	1.332	ug/ml	97
50) 2-Nitroaniline	6.863	138	7749	1.353	ug/ml#	80
53) Dimethyl phthalate	7.065	163	35569	1.367	ug/ml#	98
55) 2,6-Dinitrotoluene	7.109	165	6890	1.419	ug/ml#	76
62) Caprolactam	5.981	55	2141	0.664	ug/ml#	83
63) 1,2,4,5-Tetrachloroben...	6.450	216	14942	1.378	ug/ml	97
64) Biphenyl	6.739	154	32942	1.491	ug/ml	97
66) 3-Nitroaniline	7.261	138	7044	1.284	ug/ml#	88
68) 2,4-Dinitrophenol	7.367	184	1644	1.065	ug/ml#	80
69) Dibenzofuran	7.476	168	44319	1.244	ug/ml	92
70) 2,4-Dinitrotoluene	7.491	165	9116	1.326	ug/ml	90
71) 4-Nitrophenol	7.494	65	4336	1.061	ug/ml	90
74) Diethyl phthalate	7.752	149	34796	1.245	ug/ml	100
76) 4-Chlorophenyl phenyl ...	7.827	204	17713	1.260	ug/ml#	88
77) 4-Nitroaniline	7.846	138	7156	1.350	ug/ml	84

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-3.D
Acq On : 10 Mar 2025 11:45 pm
Operator : Dakota:ljg
Sample : WG2038540-3,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:49:36 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\250310RVTn\ABN0310n.D
: 2 - I:\8270\Dakota\250310RVTn\ADP0310n.D
: 3 - I:\8270\Dakota\250310RVTn\AP90310n.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	4,6-Dinitro-o-cresol	7.883	198	4902	1.180	ug/ml#	62
79)	NDPA/DPA	7.948	169	29561	1.246	ug/ml	95
82)	4-Bromophenyl phenyl e...	8.293	248	11398	1.231	ug/ml#	80
89)	Atrazine	8.492	200	10165	1.669	ug/ml	93
93)	Carbazole	8.943	167	55645	1.290	ug/ml	99
94)	Di-n-butylphthalate	9.341	149	63223	1.293	ug/ml#	98
99)	Butyl benzyl phthalate	10.786	149	28498	1.361	ug/ml#	81
108)	3,3'-Dichlorobenzidine	11.277	252	28116	1.098	ug/ml#	94
110)	Bis(2-ethylhexyl)phtha...	11.414	149	43688	1.186	ug/ml#	92
111)	Di-n-octylphthalate	12.076	149	74366	1.210	ug/ml#	74

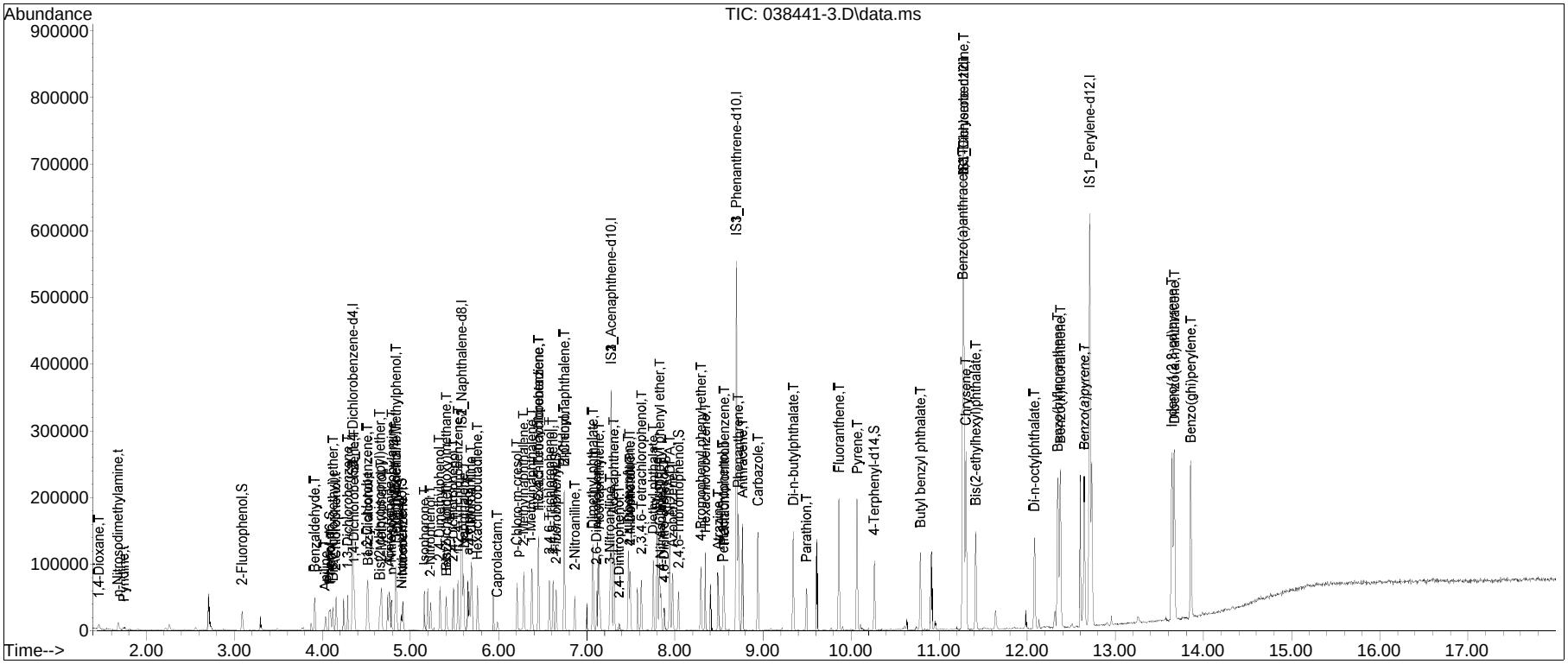
(#) = qualifier out of range (m) = manual integration (+) = signals summed

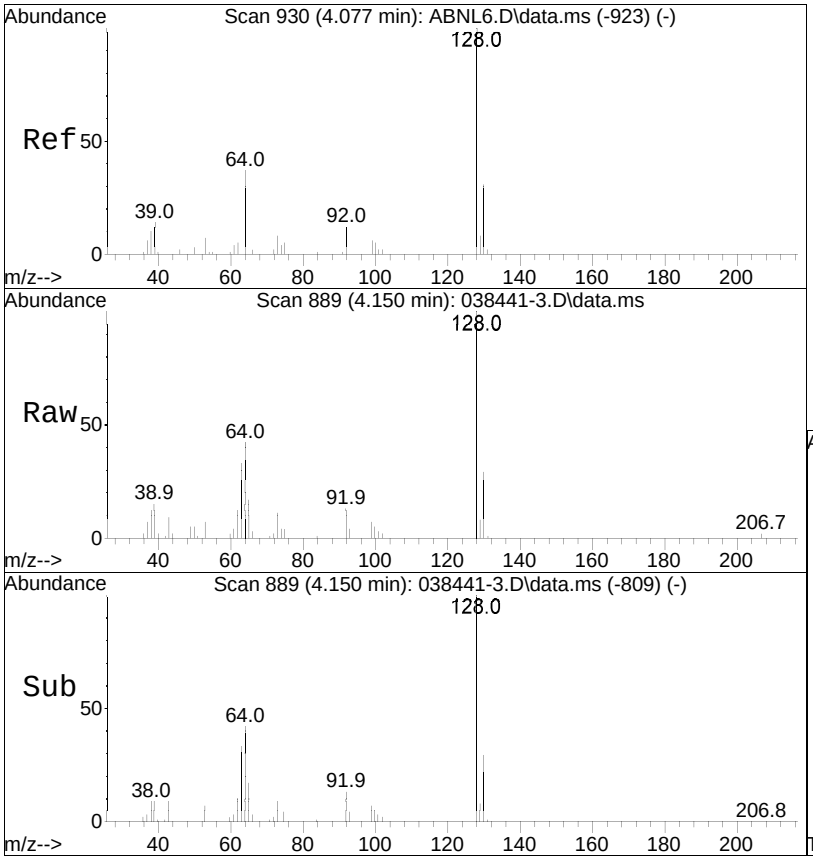
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\250310RVTn\
Data File : 038441-3.D
Acq On : 10 Mar 2025 11:45 pm
Operator : Dakota:ljg
Sample : WG2038540-3,32,,mrg
Misc : wg2038779,WG2038540,ical21680
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 11 08:49:36 2025
Quant Method : I:\8270\Dakota\250310RVTn\FS241105RVT_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 11 07:19:24 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA0RVTn\AP90310n.D•

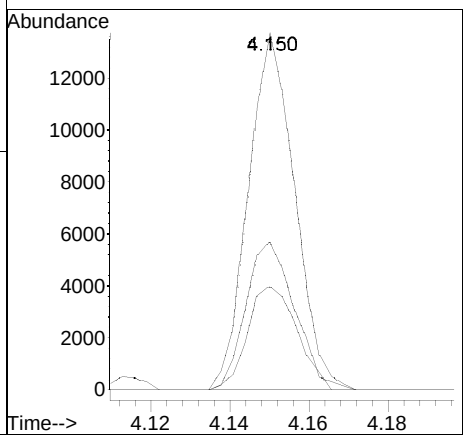


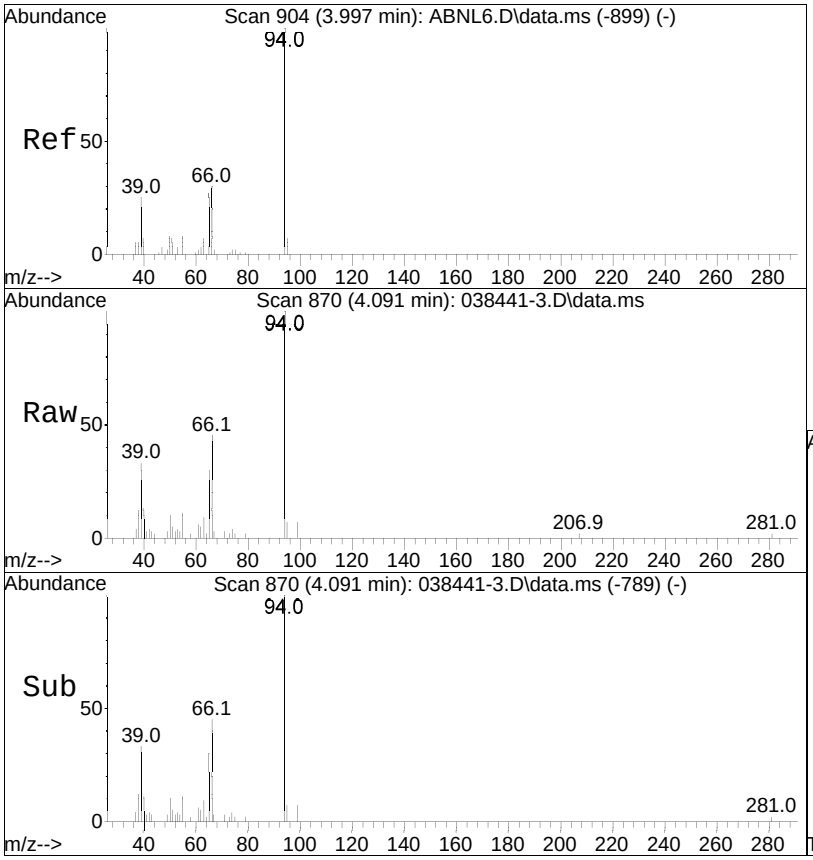


#6
2-Chlorophenol
Concen: 1.26 ug/ml
RT: 4.150 min Scan# 889
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:128 Resp: 11109

Ion	Ratio	Lower	Upper
128	100		
64	43.7	45.1	67.7#
130	31.0	26.2	39.4

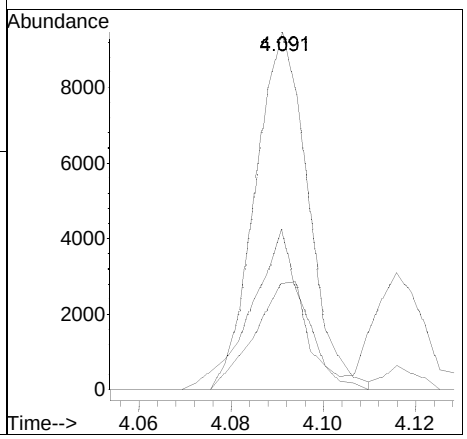


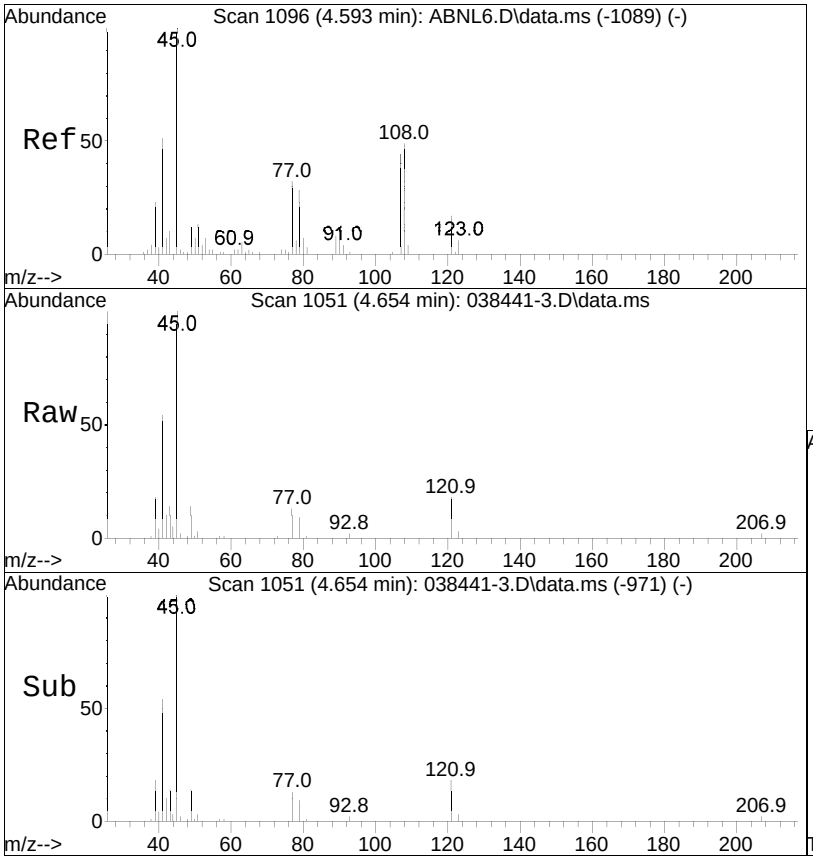


#8
Phenol
Concen: 0.74 ug/ml
RT: 4.091 min Scan# 870
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 94 Resp: 7527

Ion	Ratio	Lower	Upper
94	100		
65	31.2	26.0	39.0
66	44.0	33.8	50.8

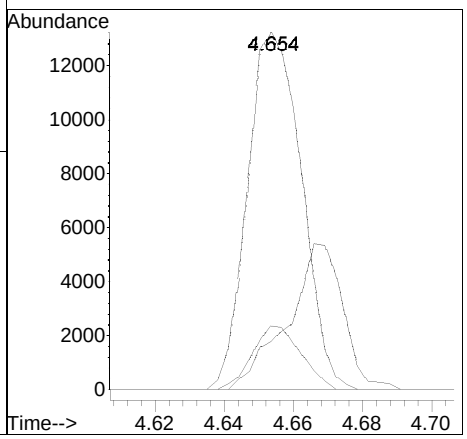


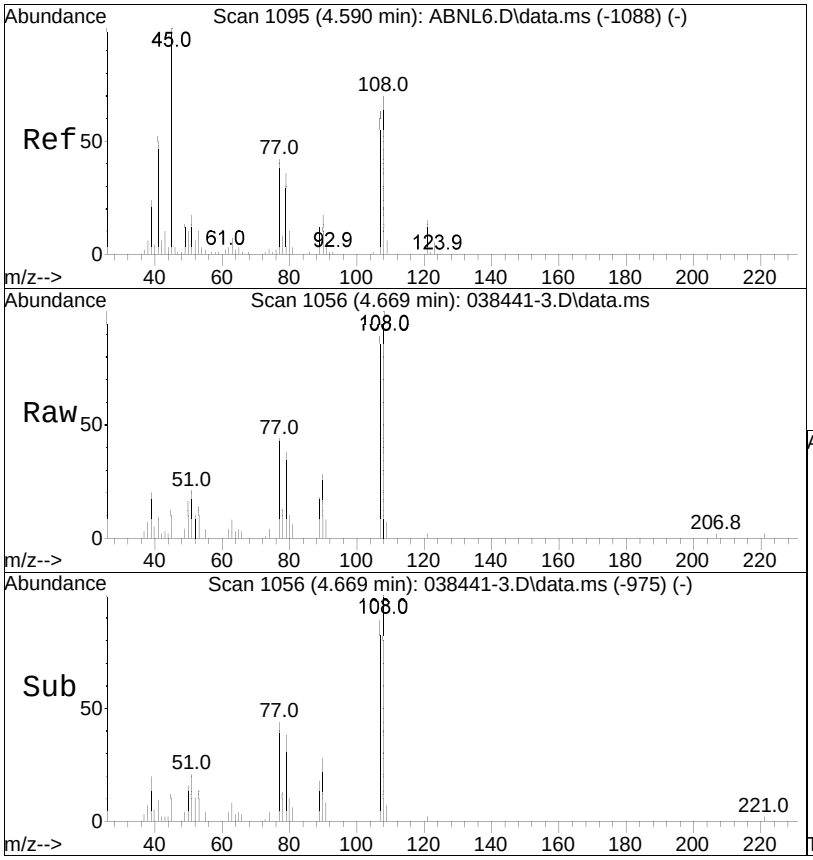


#14
Bis(2-chloroisopropyl)ether
Concen: 1.11 ug/ml
RT: 4.654 min Scan# 1051
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 45 Resp: 14270

Ion	Ratio	Lower	Upper
45	100		
121	16.1	9.8	14.6#
77	42.0	6.1	9.1#

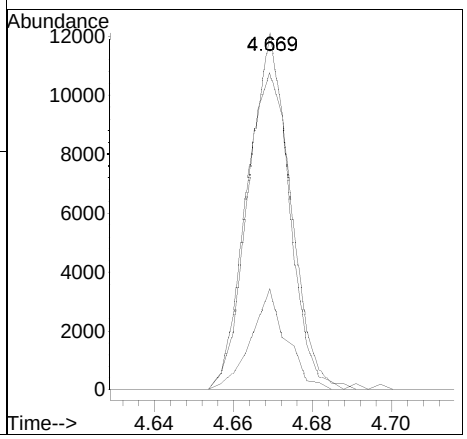


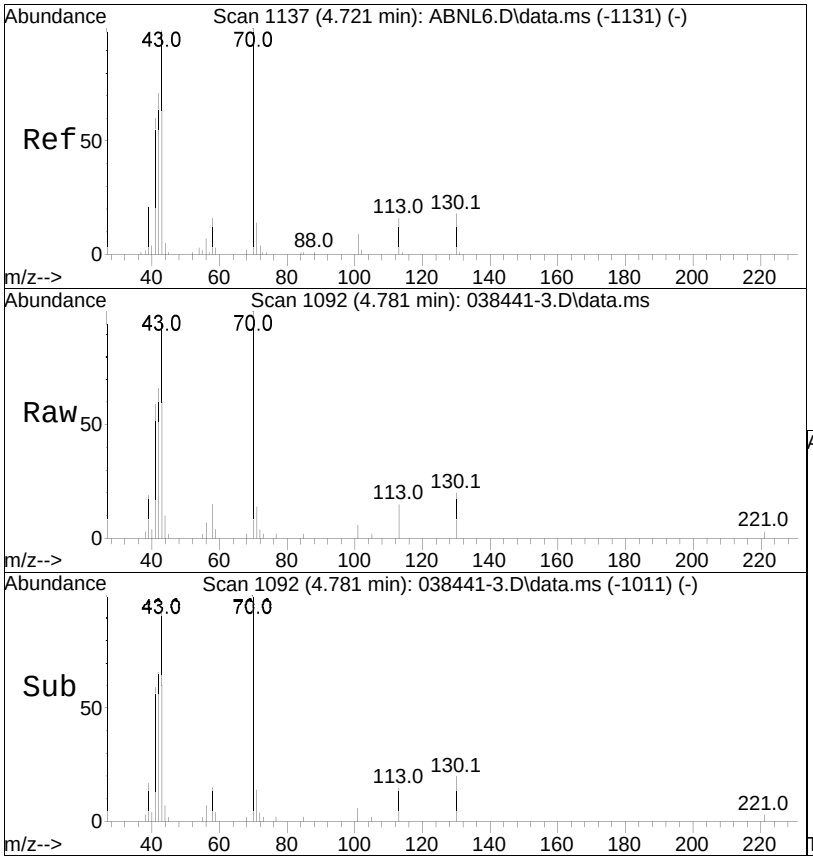


#15
2-Methylphenol
Concen: 1.16 ug/ml
RT: 4.669 min Scan# 1056
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:108 Resp: 9044

Ion	Ratio	Lower	Upper
108	100		
107	91.8	70.7	106.1
90	23.7	18.7	28.1

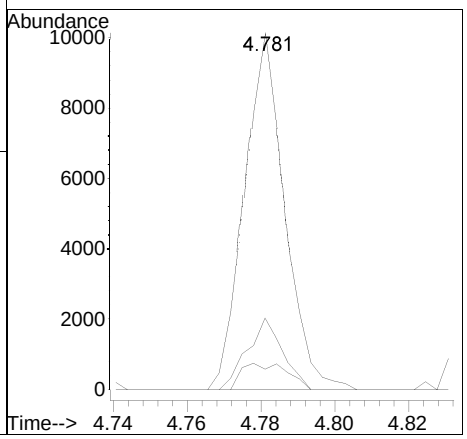


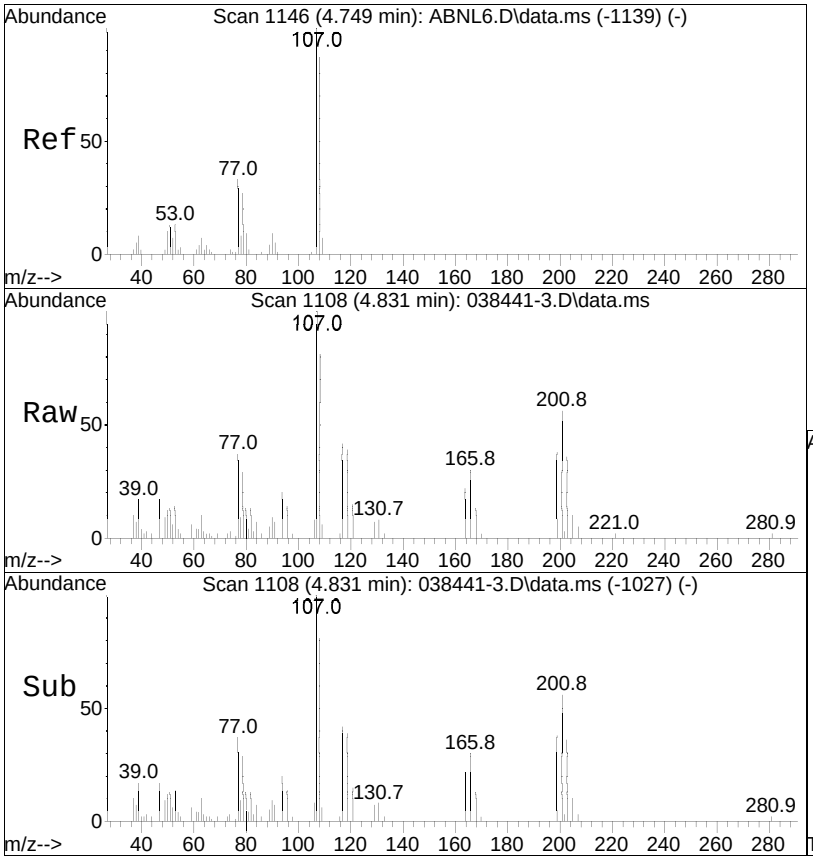


#17
n-Nitrosodi-n-propylamine
Concen: 1.23 ug/ml
RT: 4.781 min Scan# 1092
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 70 Resp: 7659

Ion	Ratio	Lower	Upper
70	100		
130	17.6	18.2	27.4#
101	8.4	7.8	11.8

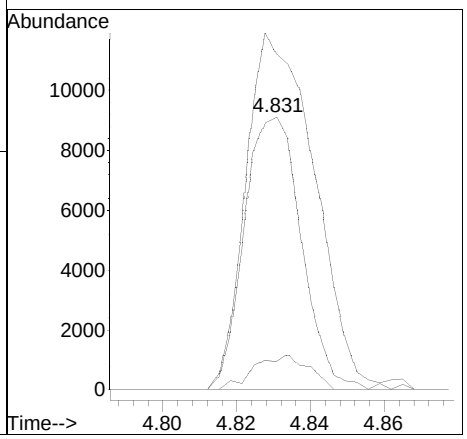


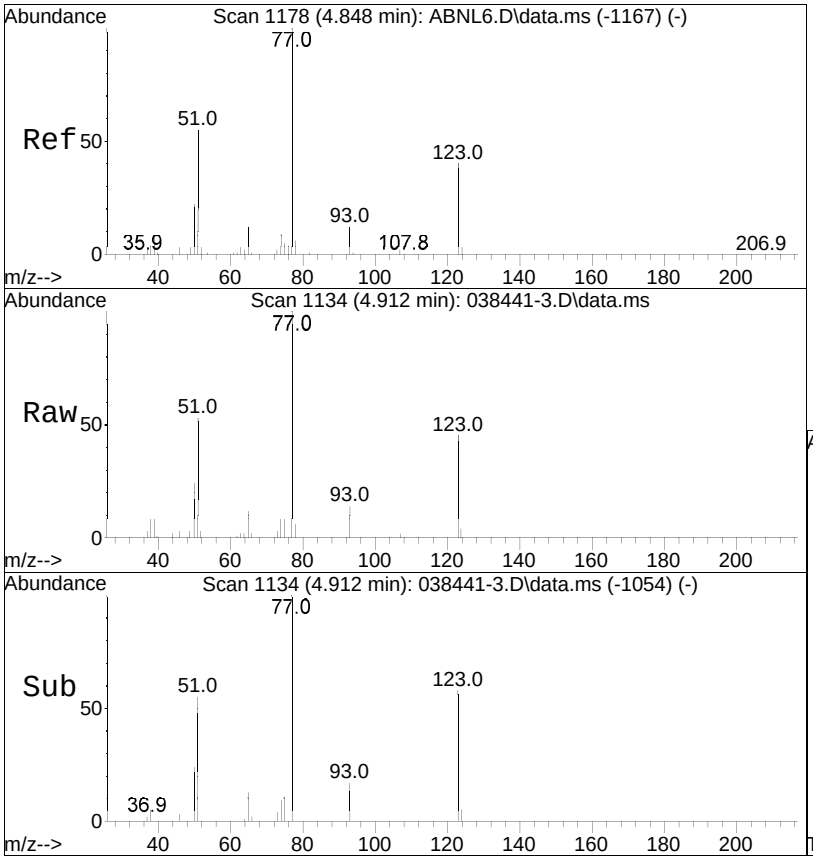


#18
3-Methylphenol/4-Methylphenol
Concen: 1.15 ug/ml
RT: 4.831 min Scan# 1108
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:108 Resp: 9773

Ion	Ratio	Lower	Upper
108	100		
107	157.9	88.6	132.8#
90	12.3	8.8	13.2

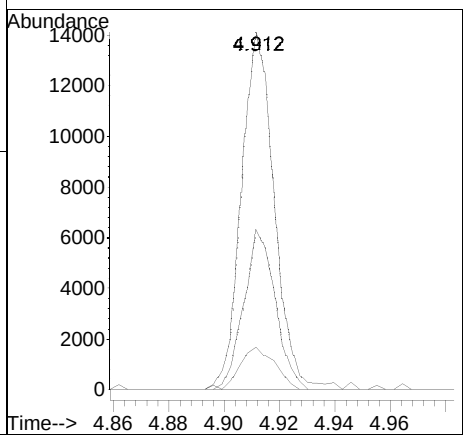


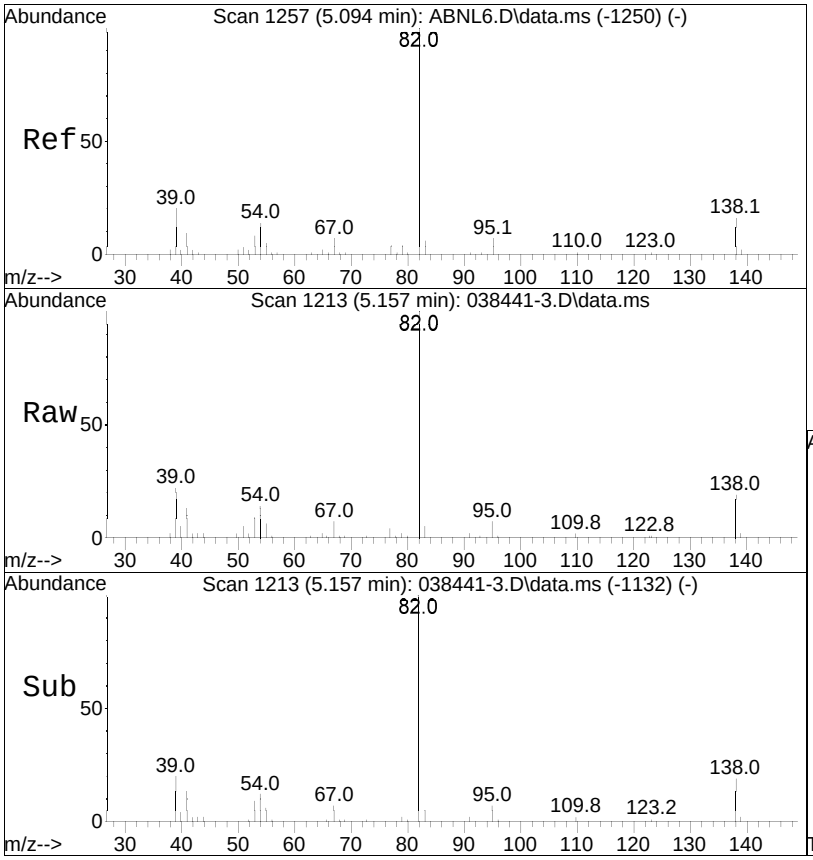


#20
Nitrobenzene
Concen: 1.32 ug/ml
RT: 4.912 min Scan# 1134
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 77 Resp: 11593

Ion	Ratio	Lower	Upper
77	100		
123	42.9	36.3	54.5
65	12.7	11.6	17.4

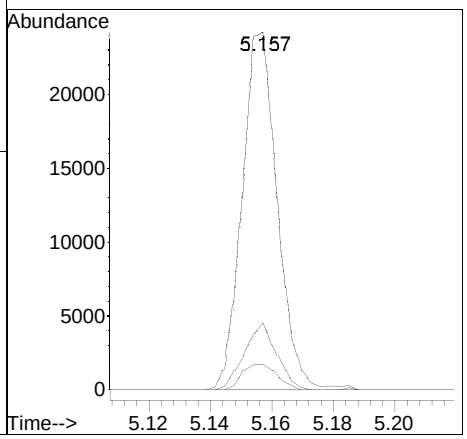


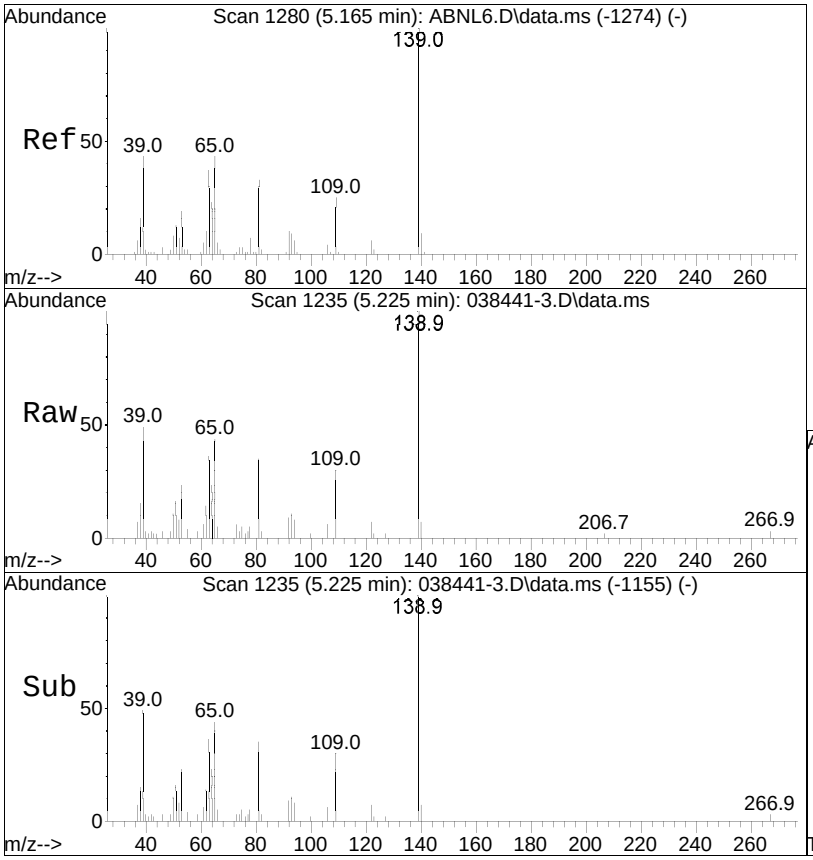


#21
Isophorone
Concen: 1.18 ug/ml
RT: 5.157 min Scan# 1213
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 82 Resp: 19055

Ion	Ratio	Lower	Upper
82	100		
138	17.2	14.7	22.1
95	7.2	5.2	7.8

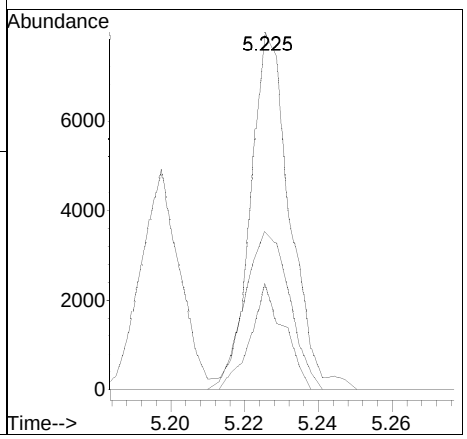


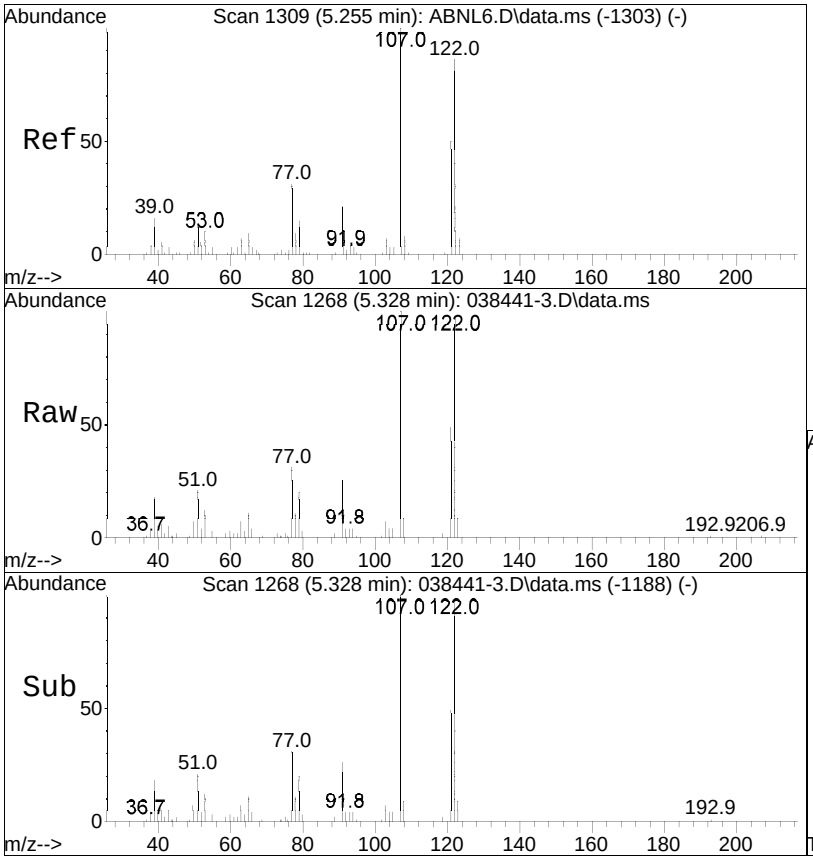


#22
2-Nitrophenol
Concen: 1.33 ug/ml
RT: 5.225 min Scan# 1235
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:139 Resp: 5906

Ion	Ratio	Lower	Upper
139	100		
109	25.5	19.4	29.0
65	50.7	46.1	69.1

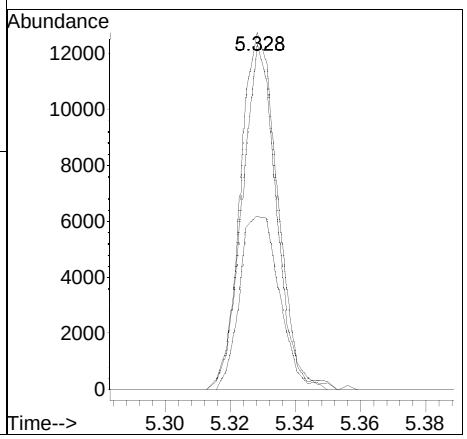


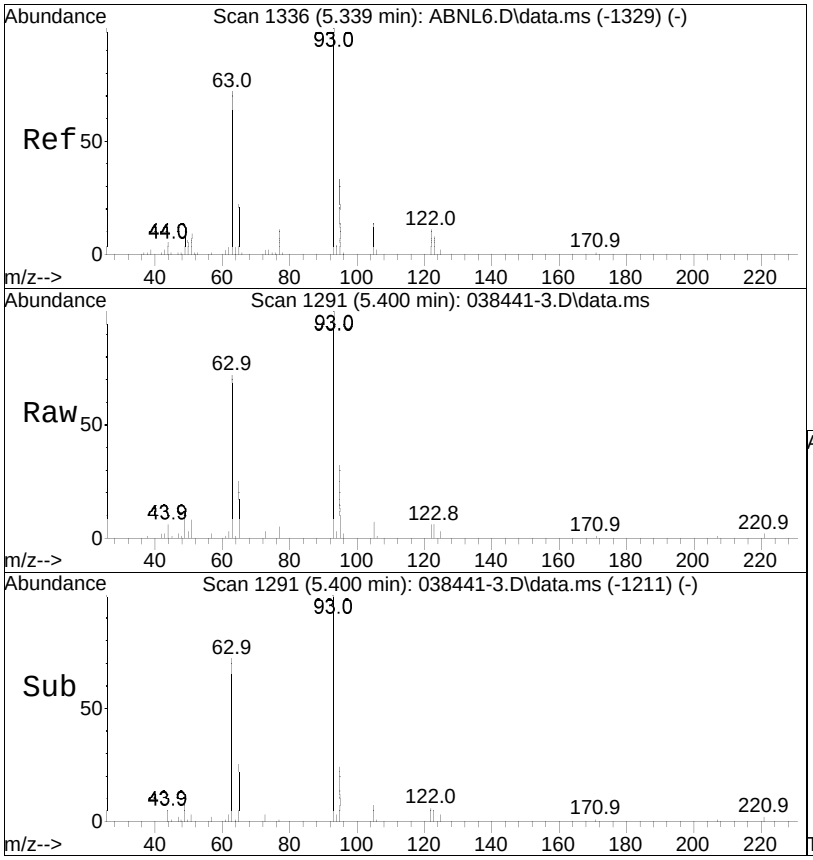


#23
2,4-Dimethylphenol
Concen: 1.27 ug/ml
RT: 5.328 min Scan# 1268
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:107 Resp: 10027

Ion	Ratio	Lower	Upper
107	100		
121	52.4	40.0	60.0
122	89.2	70.2	105.4

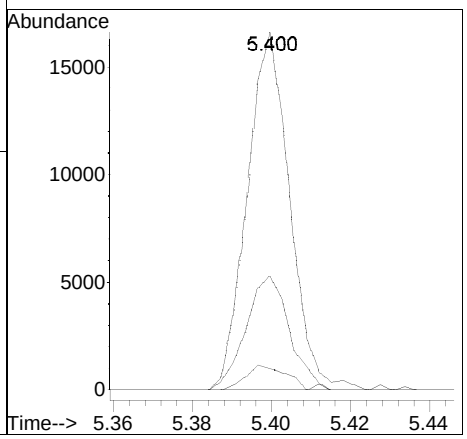


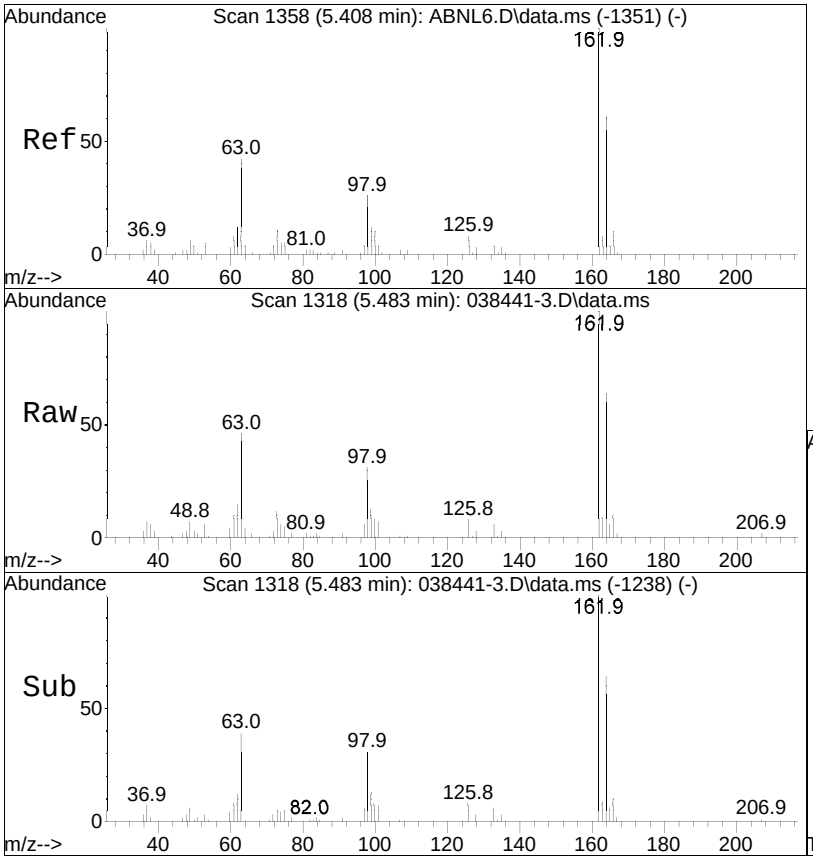


#24
Bis(2-chloroethoxy)methane
Concen: 1.22 ug/ml
RT: 5.400 min Scan# 1291
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 93 Resp: 12309

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.8
123	7.0	10.1	15.1#

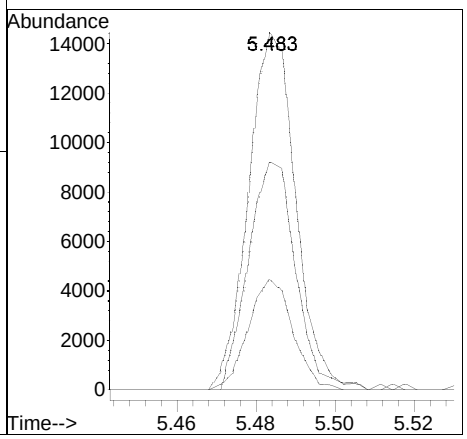


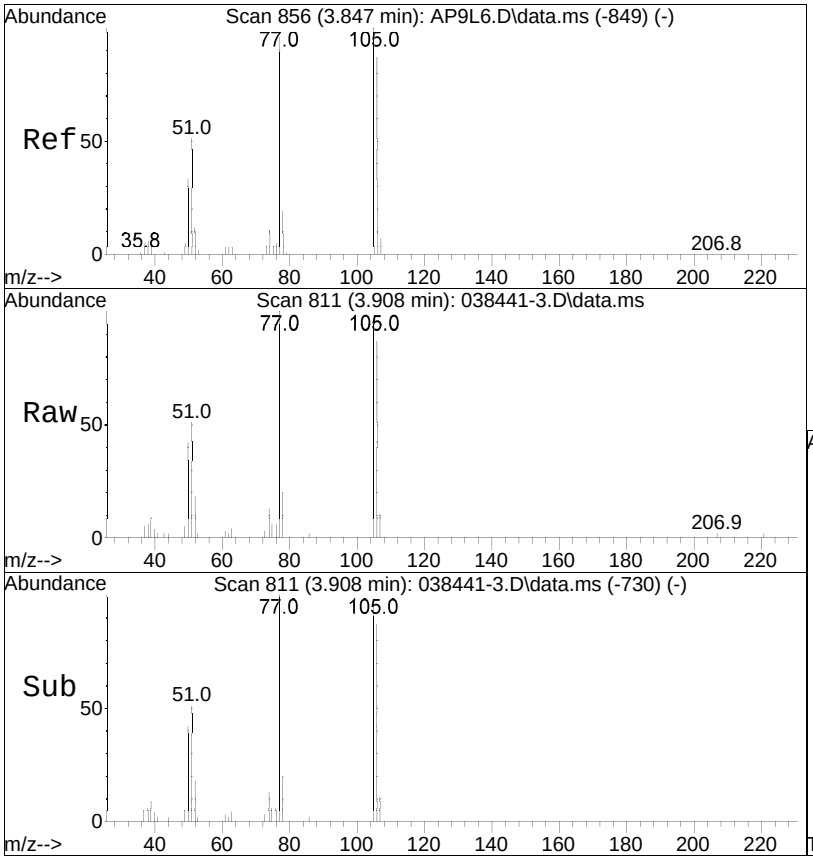


#25
2,4-Dichlorophenol
Concen: 1.29 ug/ml
RT: 5.483 min Scan# 1318
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:162 Resp: 11914

Ion	Ratio	Lower	Upper
162	100		
164	64.1	51.0	76.4
98	29.4	32.2	48.2#

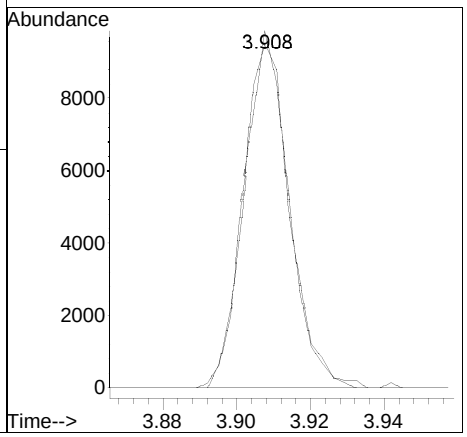


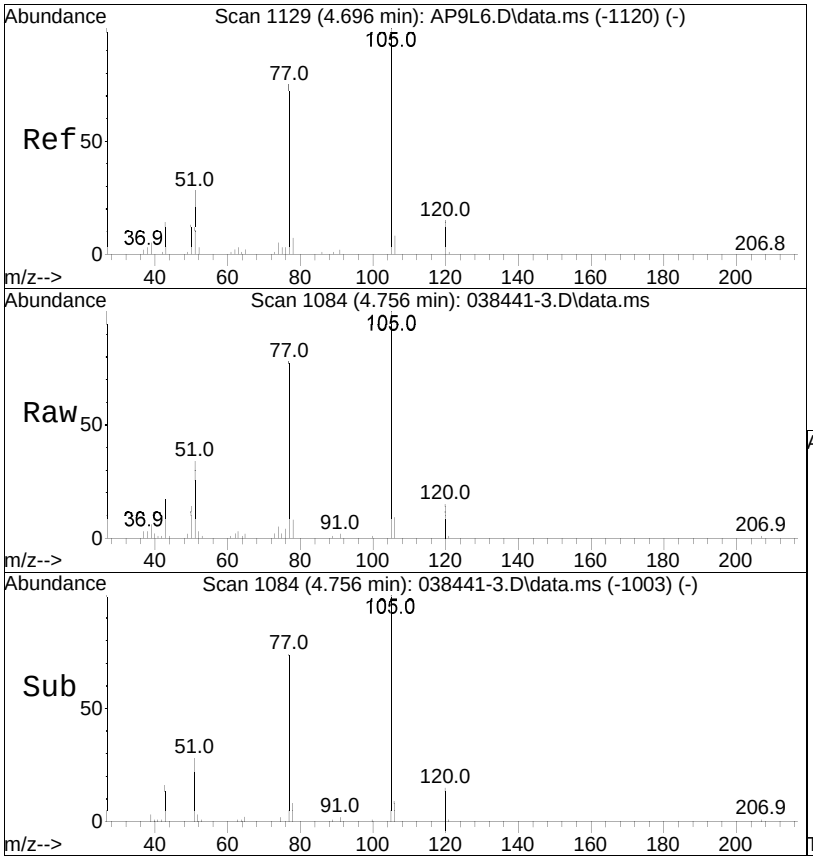


#28
Benzaldehyde
Concen: 1.65 ug/ml
RT: 3.908 min Scan# 811
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:105 Resp: 8341

Ion	Ratio	Lower	Upper
105	100		
77	99.8	82.2	123.4

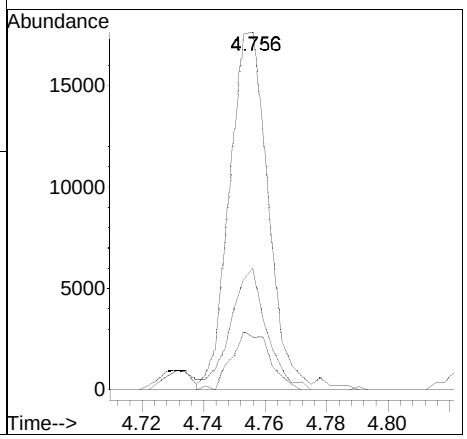


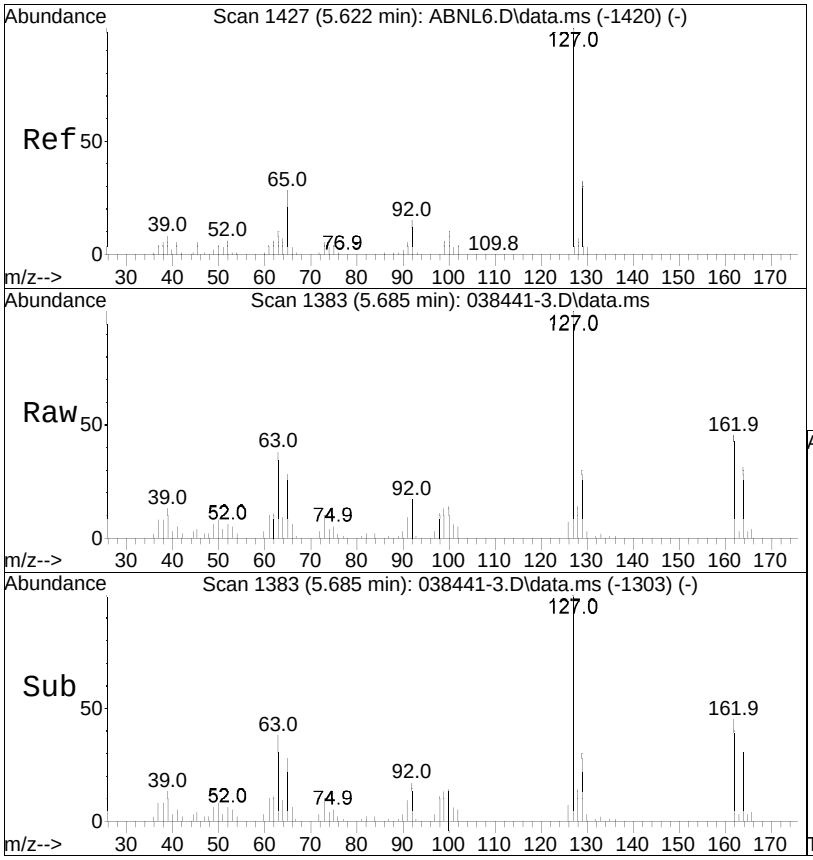


#29
Acetophenone
Concen: 1.53 ug/ml
RT: 4.756 min Scan# 1084
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:105 Resp: 15432

Ion	Ratio	Lower	Upper
105	100		
120	16.0	20.5	30.7#
51	31.7	34.9	52.3#

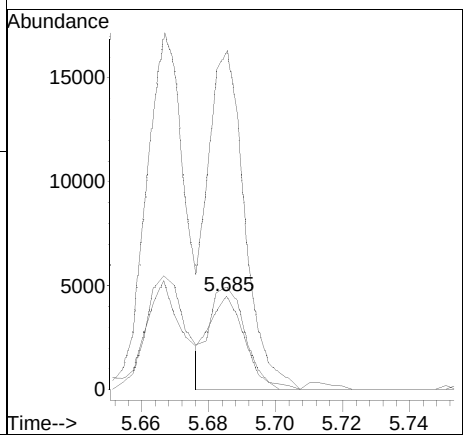


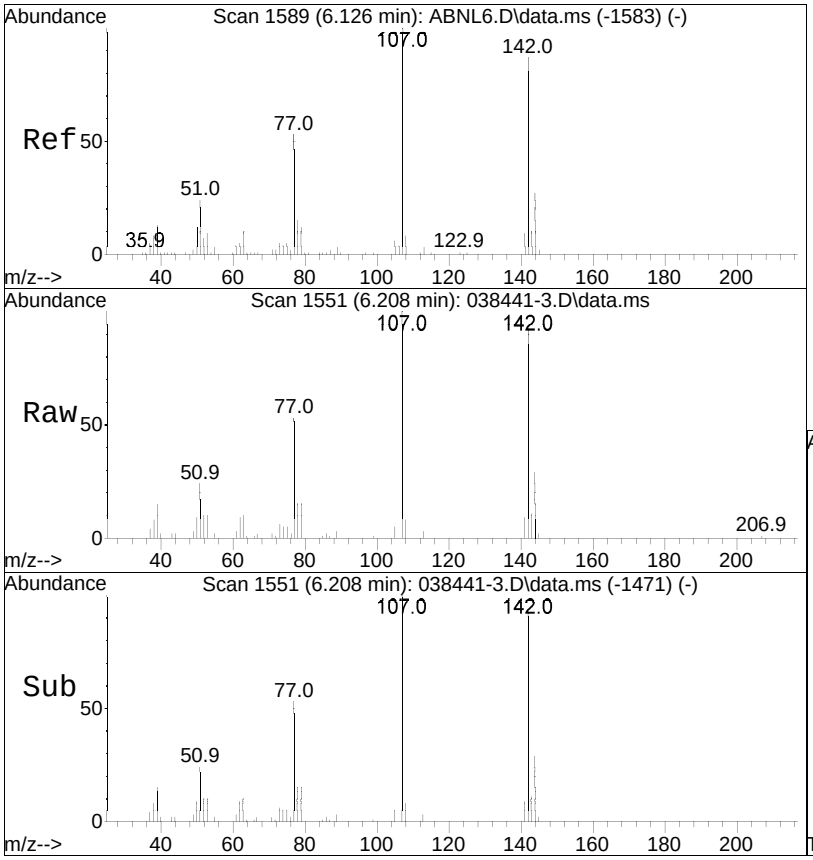


#40
4-Chloroaniline
Concen: 1.06 ug/ml M3
RT: 5.685 min Scan# 1383
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 65 Resp: 3372

Ion	Ratio	Lower	Upper
65	100		
127	406.0	237.6	356.4#
129	132.8	76.3	114.5#

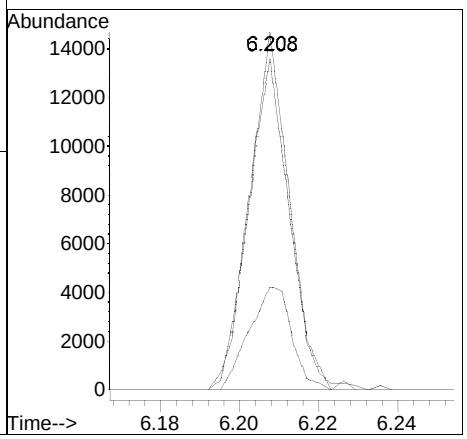


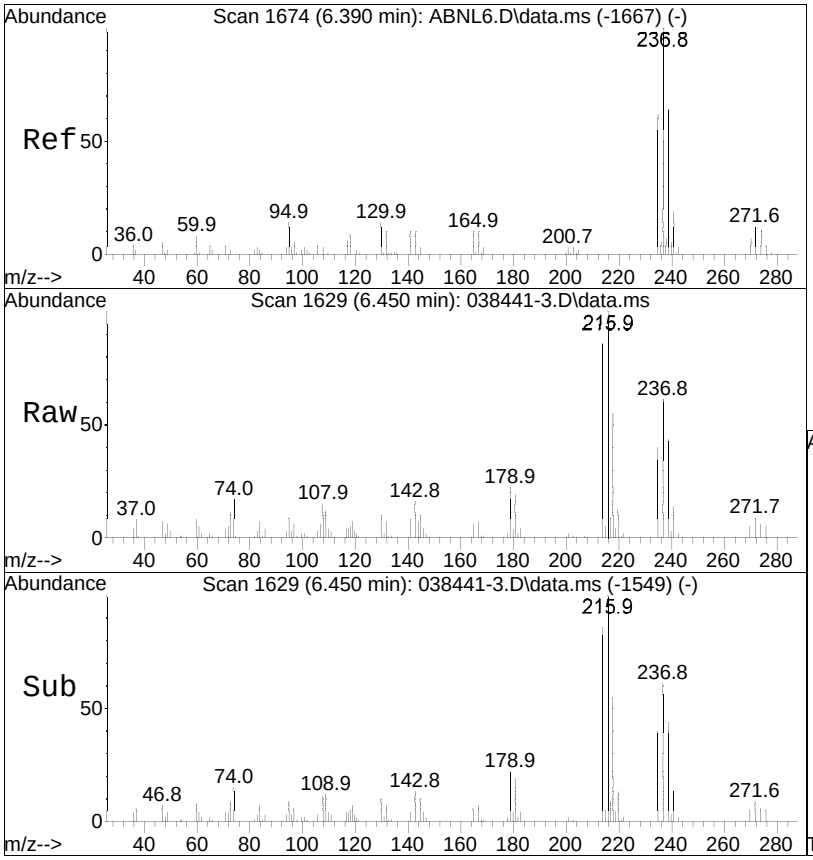


#42
p-Chloro-m-cresol
Concen: 1.34 ug/ml
RT: 6.208 min Scan# 1551
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:107 Resp: 10215

Ion	Ratio	Lower	Upper
107	100		
144	30.8	20.9	31.3
142	95.0	66.1	99.1

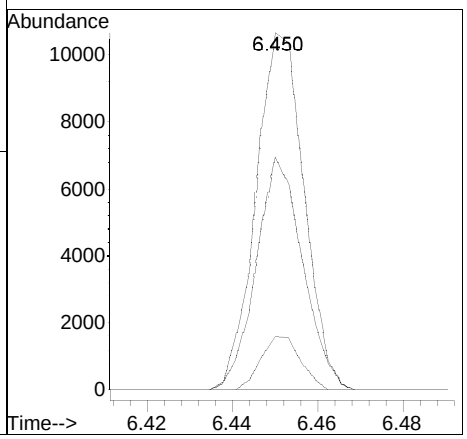


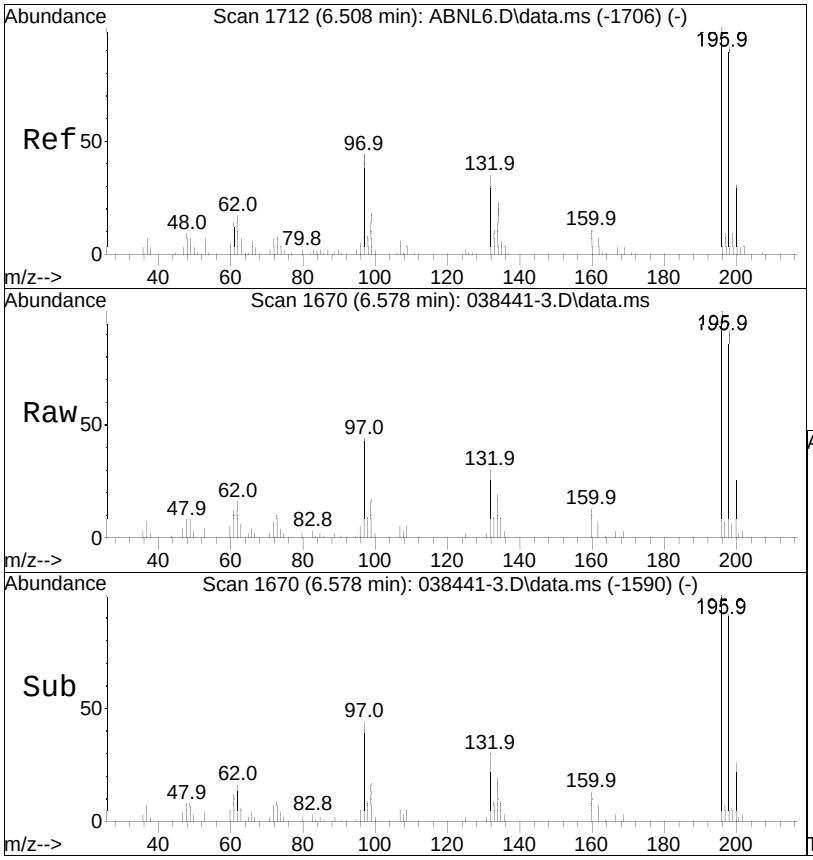


#45
Hexachlorocyclopentadiene
Concen: 1.17 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:237 Resp: 8328

Ion	Ratio	Lower	Upper
237	100		
235	63.3	49.7	74.5
272	12.4	9.8	14.6

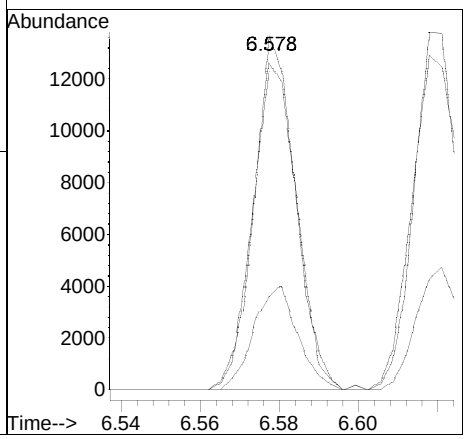


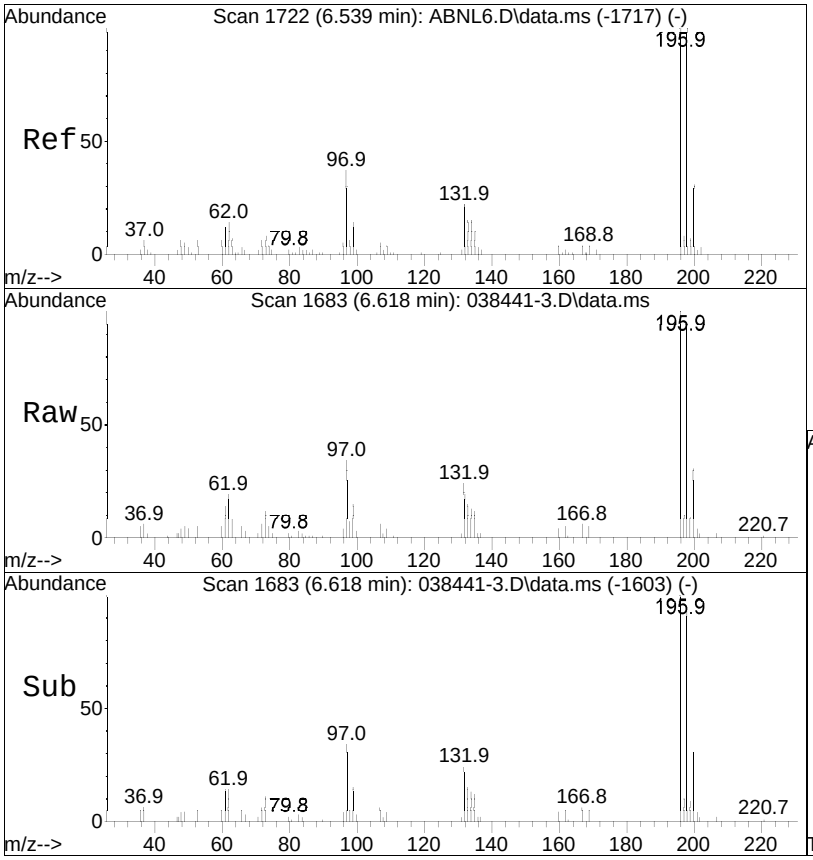


#46
2,4,6-Trichlorophenol
Concen: 1.34 ug/ml
RT: 6.578 min Scan# 1670
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:196 Resp: 10047

Ion	Ratio	Lower	Upper
196	100		
198	96.3	77.5	116.3
200	30.8	23.8	35.6

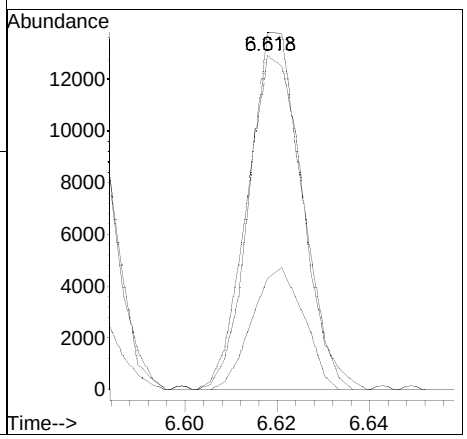


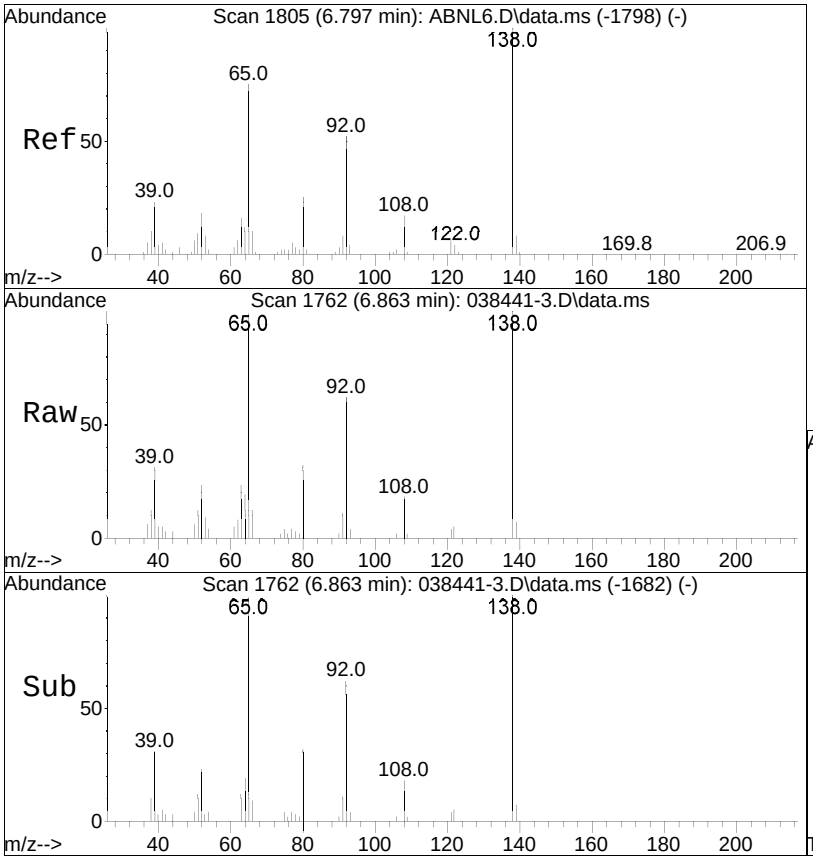


#47
2,4,5-Trichlorophenol
Concen: 1.33 ug/ml
RT: 6.618 min Scan# 1683
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:196 Resp: 11203

Ion	Ratio	Lower	Upper
196	100		
200	32.8	25.4	38.0
198	94.8	78.0	117.0

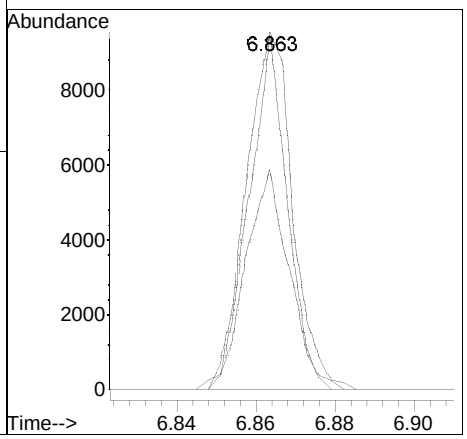


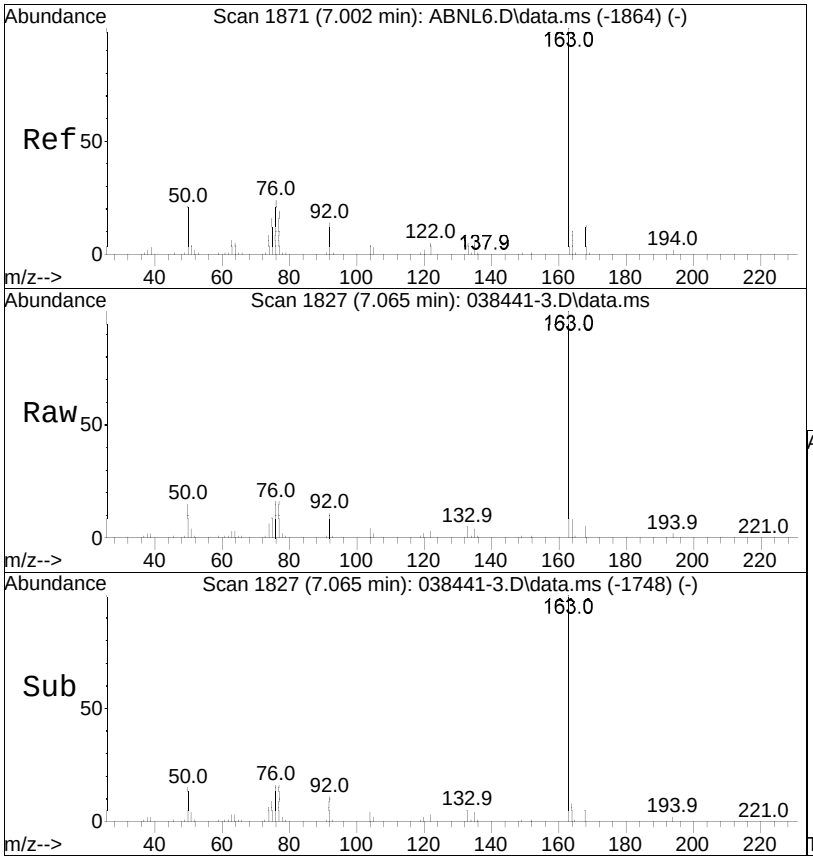


#50
2-Nitroaniline
Concen: 1.35 ug/ml
RT: 6.863 min Scan# 1762
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:138 Resp: 7749

Ion	Ratio	Lower	Upper
138	100		
92	57.7	53.5	80.3
65	82.0	86.3	129.5#

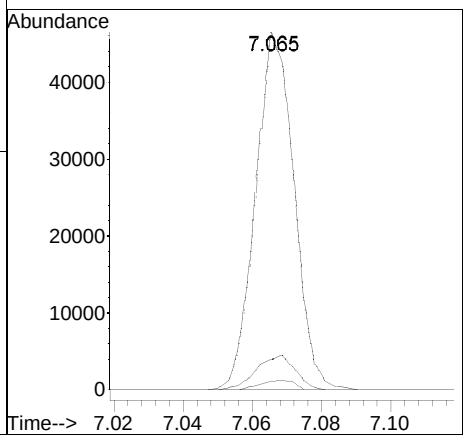


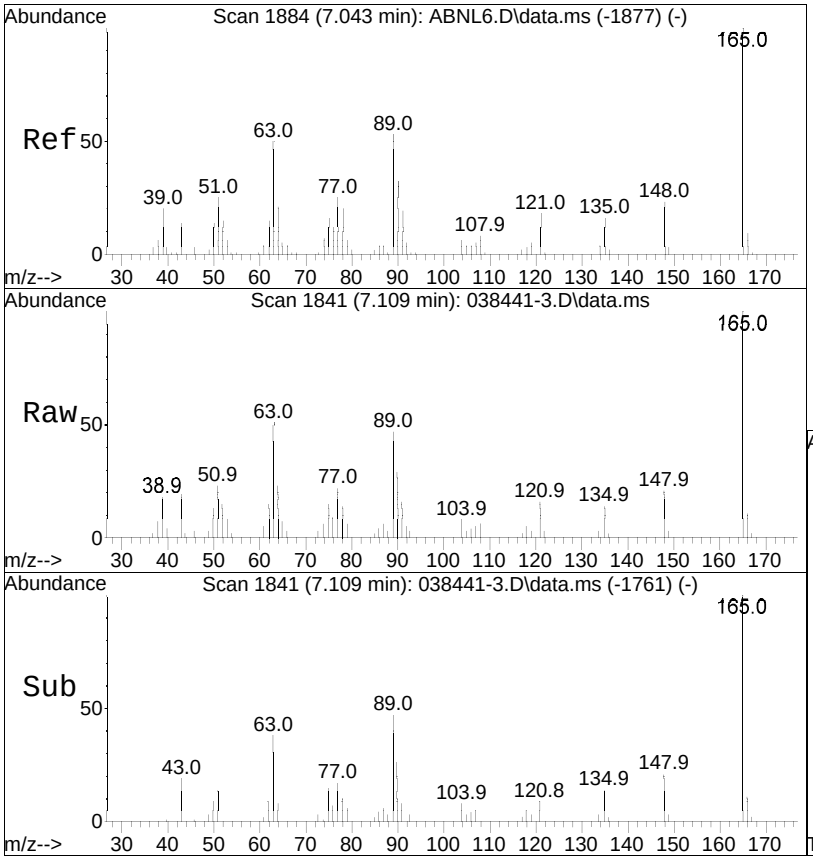


#53
Dimethyl phthalate
Concen: 1.37 ug/ml
RT: 7.065 min Scan# 1827
Delta R.T. -0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:163 Resp: 35569

Ion	Ratio	Lower	Upper
163	100		
194	2.4	3.5	5.3#
164	9.9	7.9	11.9

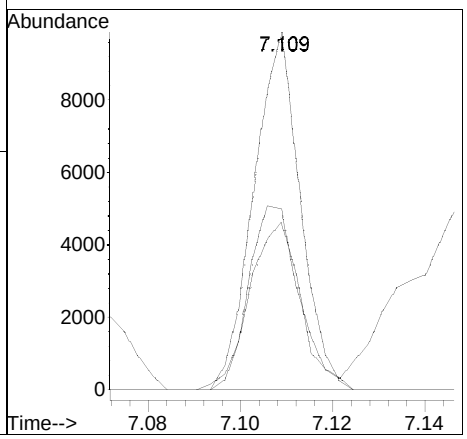


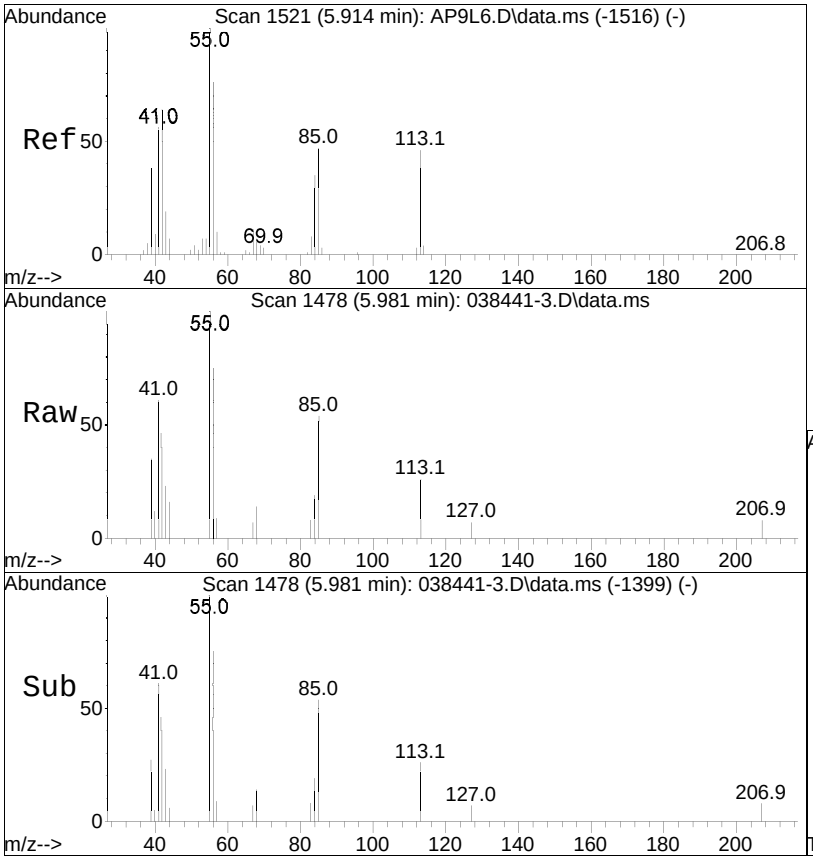


#55
2,6-Dinitrotoluene
Concen: 1.42 ug/ml
RT: 7.109 min Scan# 1841
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:165 Resp: 6890

Ion	Ratio	Lower	Upper
165	100		
89	51.0	54.2	81.2#
63	56.5	64.2	96.2#

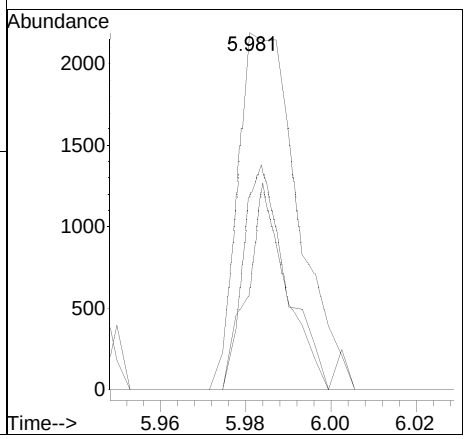


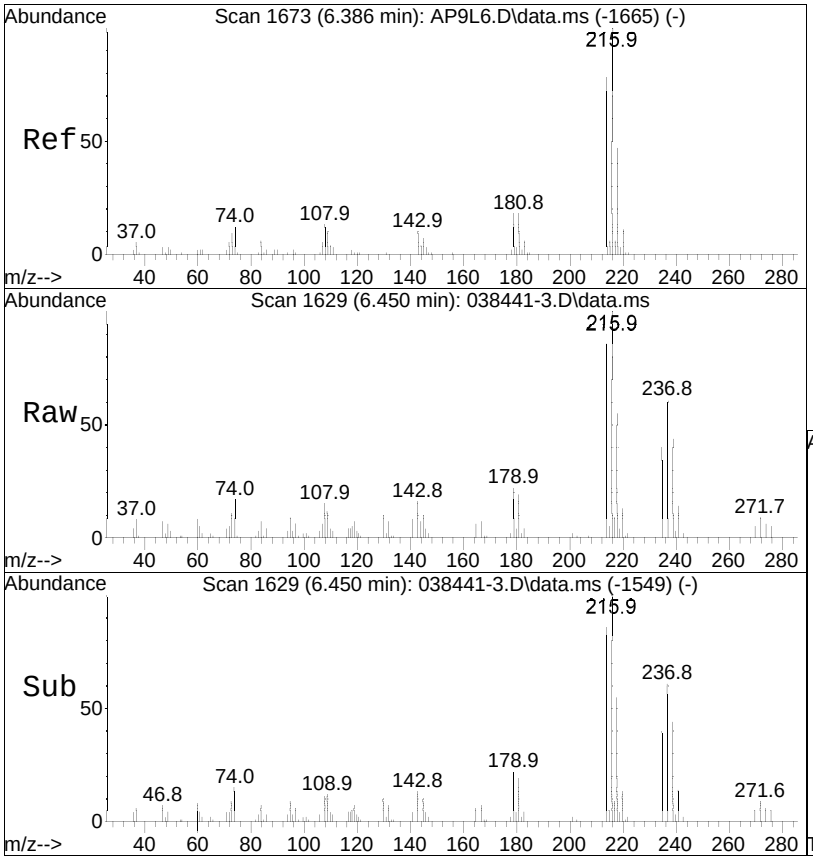


#62
Caprolactam
Concen: 0.66 ug/ml
RT: 5.981 min Scan# 1478
Delta R.T. -0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 55 Resp: 2141

Ion	Ratio	Lower	Upper
55	100		
85	45.3	19.8	29.6#
113	37.5	29.6	44.4

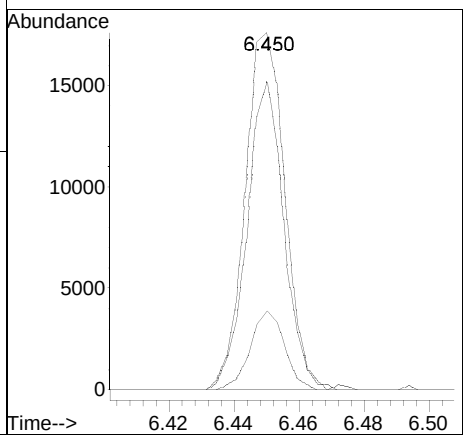


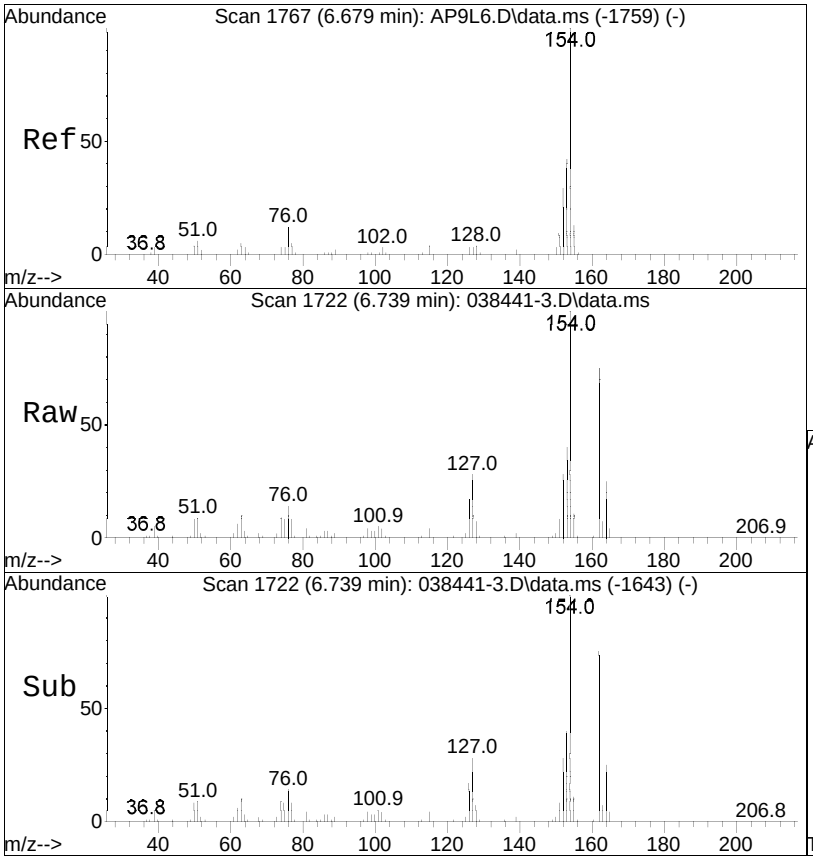


#63
1,2,4,5-Tetrachlorobenzene
Concen: 1.38 ug/ml
RT: 6.450 min Scan# 1629
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:216 Resp: 14942

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.7	95.5
179	19.1	19.0	28.6

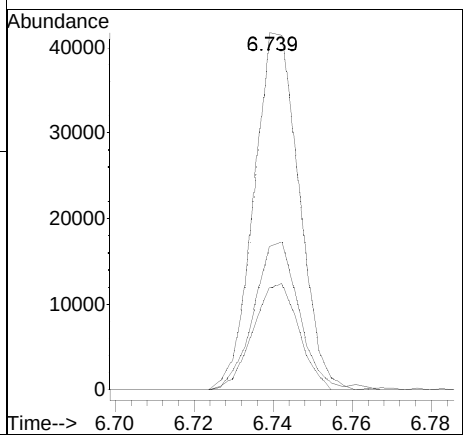


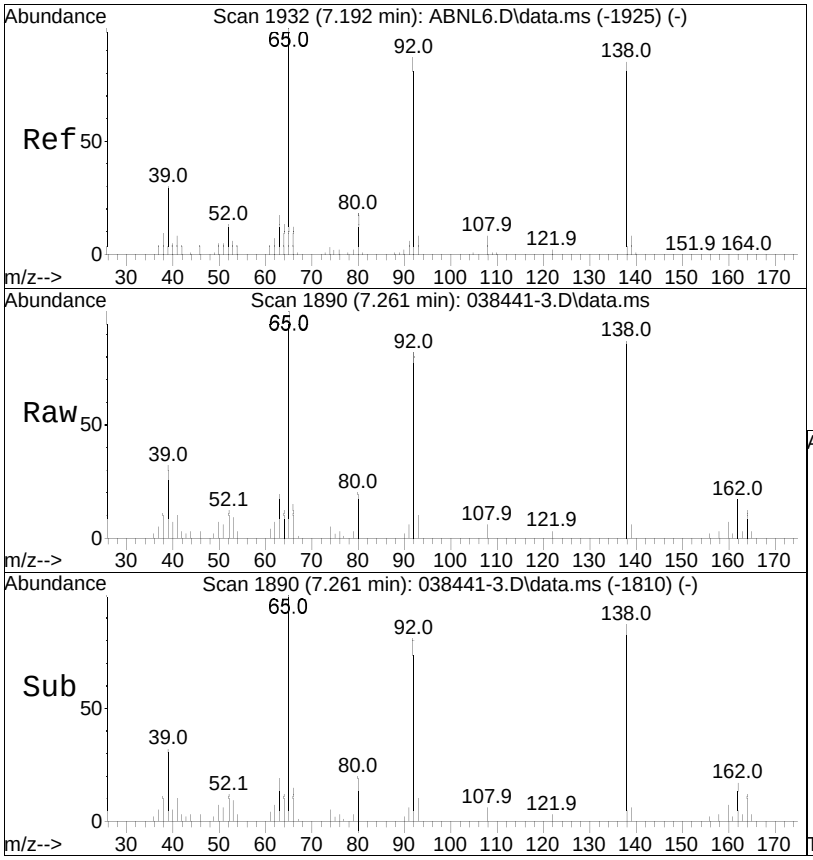


#64
Biphenyl
Concen: 1.49 ug/ml
RT: 6.739 min Scan# 1722
Delta R.T. -0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:154 Resp: 32942

Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.3	48.5
152	30.3	22.5	33.7

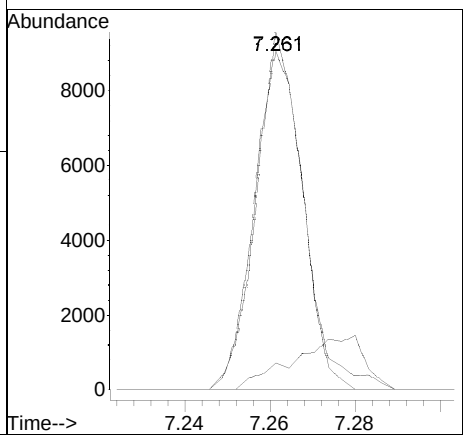


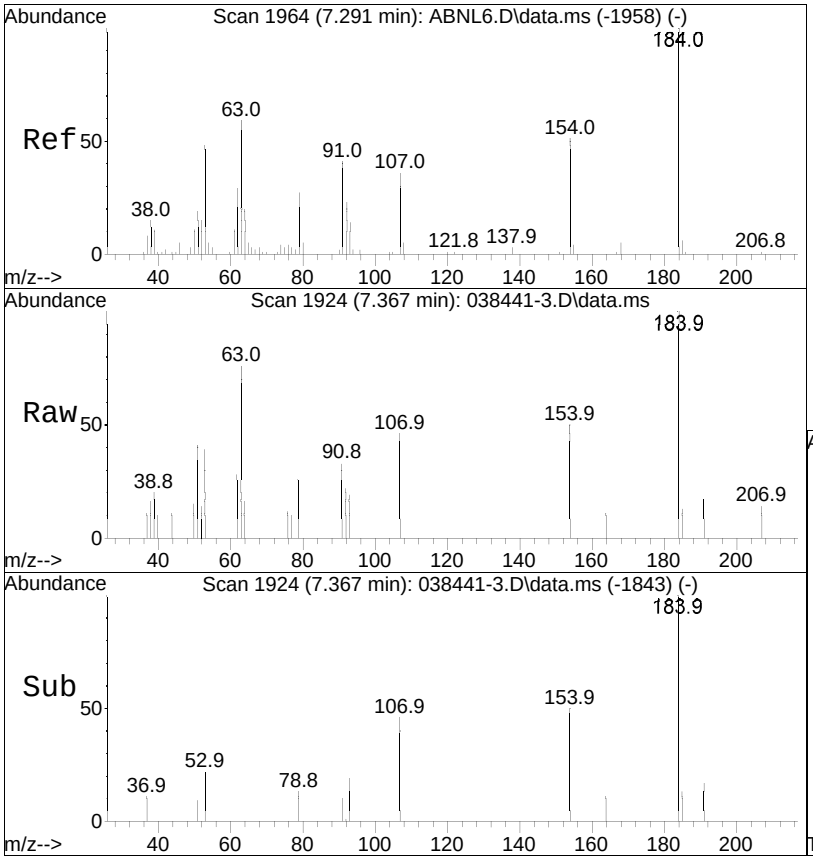


#66
3-Nitroaniline
Concen: 1.28 ug/ml
RT: 7.261 min Scan# 1890
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:138 Resp: 7044

Ion	Ratio	Lower	Upper
138	100		
92	105.1	93.4	140.2
108	23.5	9.5	14.3#

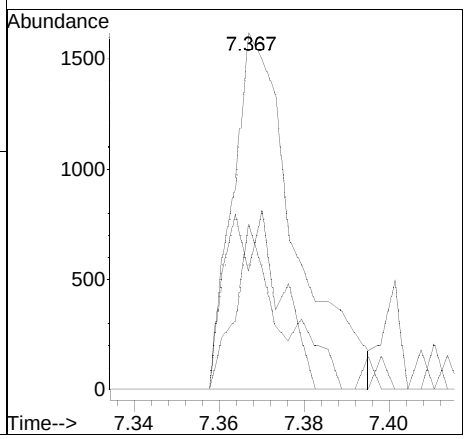


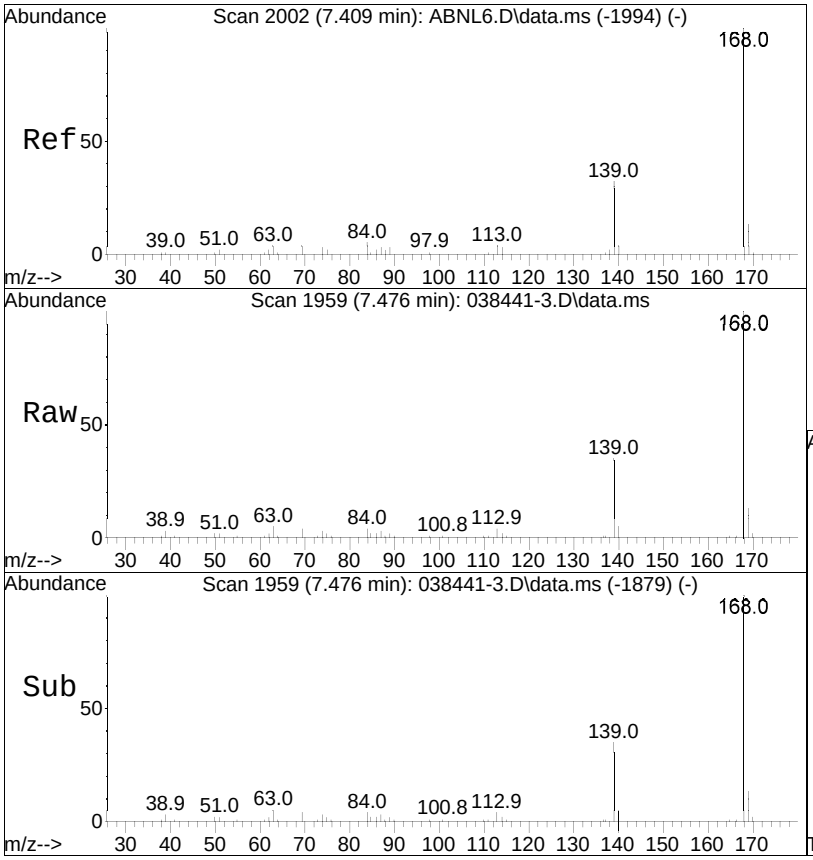


#68
2,4-Dinitrophenol
Concen: 1.06 ug/ml
RT: 7.367 min Scan# 1924
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:184 Resp: 1644

Ion	Ratio	Lower	Upper
184	100		
107	34.9	37.7	56.5#
91	42.5	46.3	69.5#

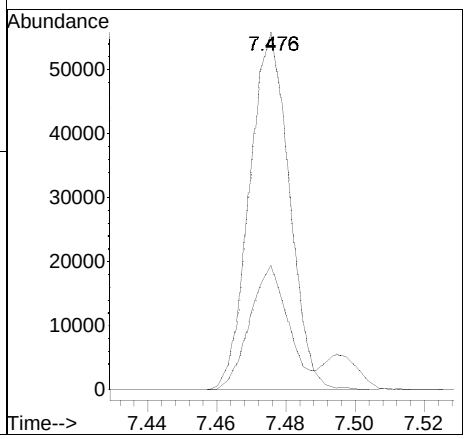


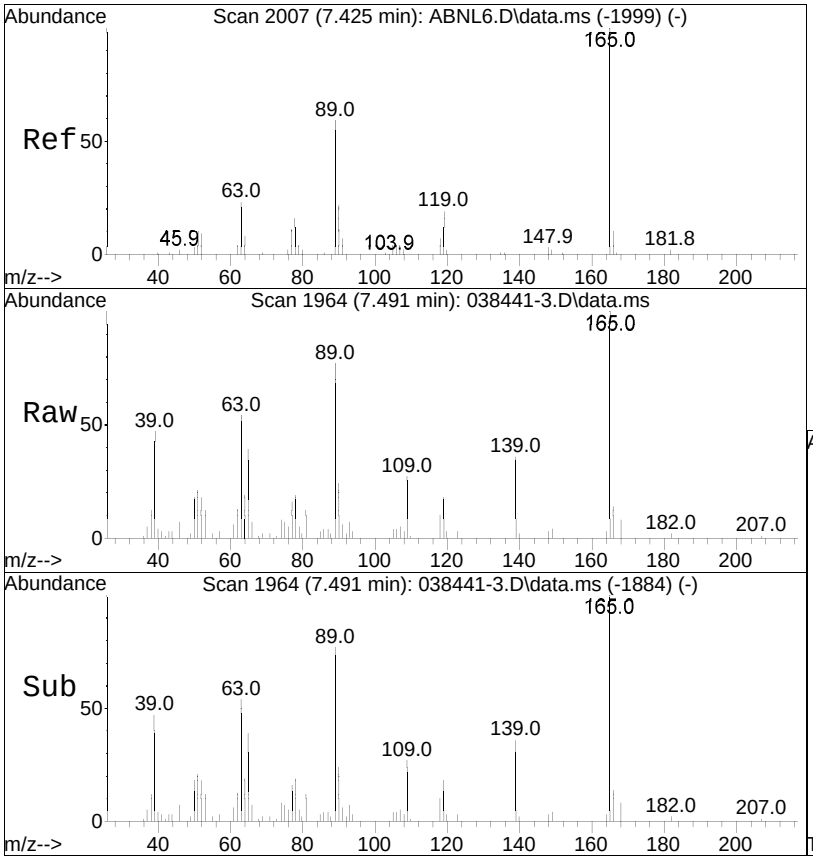


#69
Dibenzofuran
Concen: 1.24 ug/ml
RT: 7.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:168 Resp: 44319

Ion	Ratio	Lower	Upper
168	100		
139	34.3	31.4	47.2

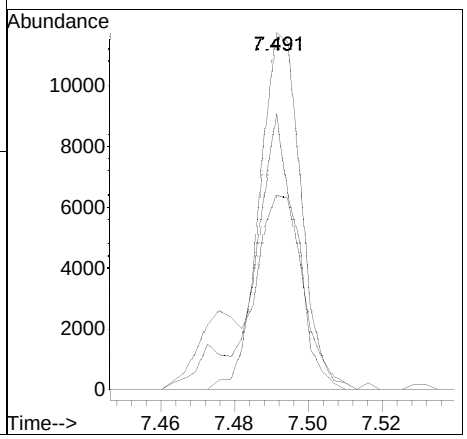


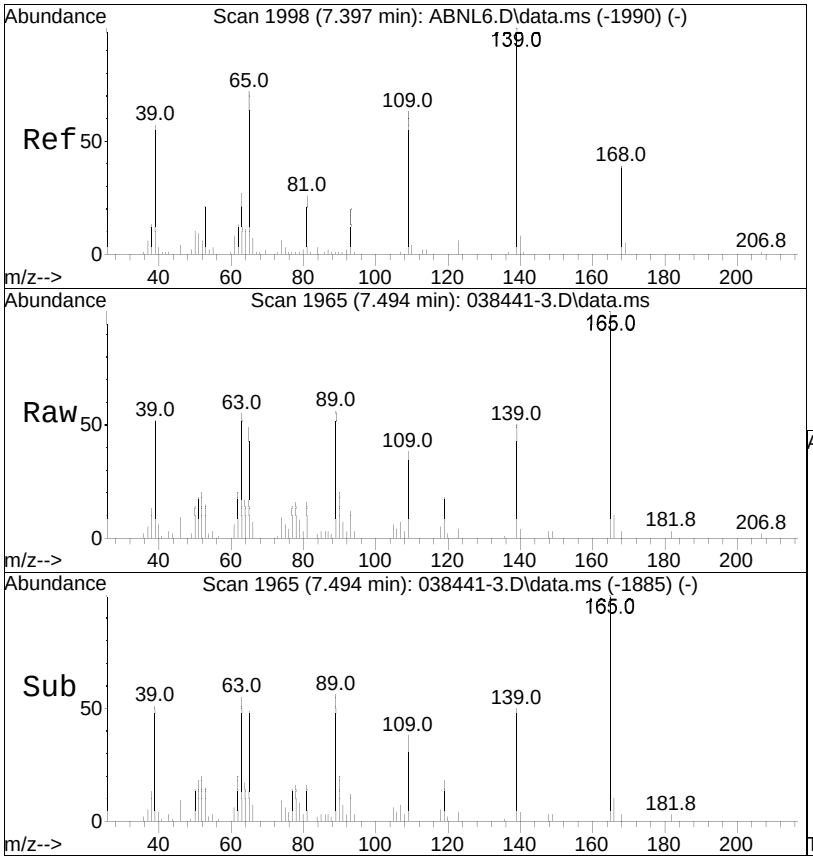


#70
2,4-Dinitrotoluene
Concen: 1.33 ug/ml
RT: 7.491 min Scan# 1964
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:165 Resp: 9116

Ion	Ratio	Lower	Upper
165	100		
89	80.2	72.0	108.0
63	58.9	52.7	79.1

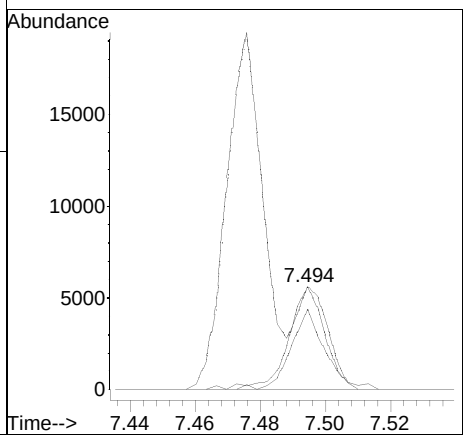


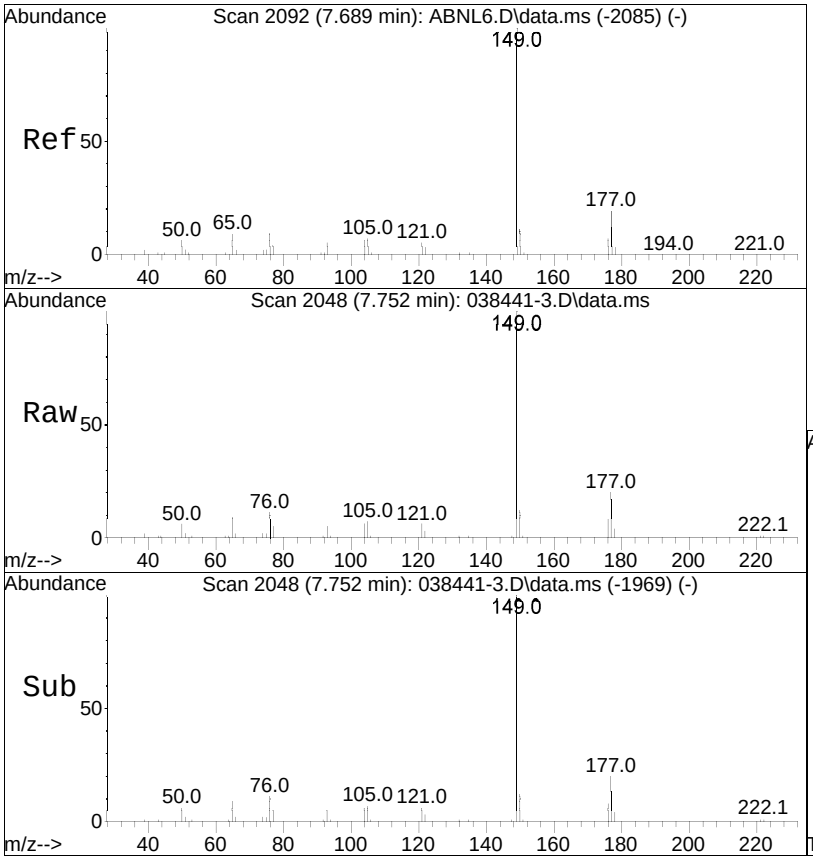


#71
4-Nitrophenol
Concen: 1.06 ug/ml
RT: 7.494 min Scan# 1965
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion: 65 Resp: 4336

Ion	Ratio	Lower	Upper
65	100		
109	70.8	47.4	71.2
139	88.5	76.6	115.0

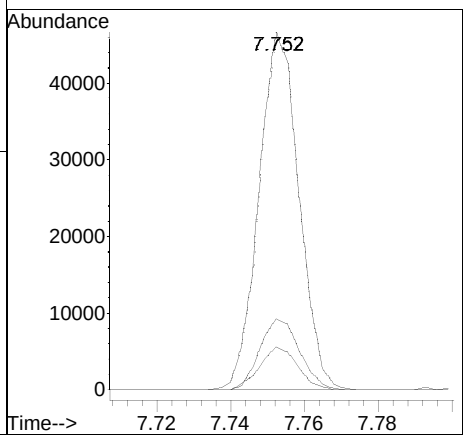


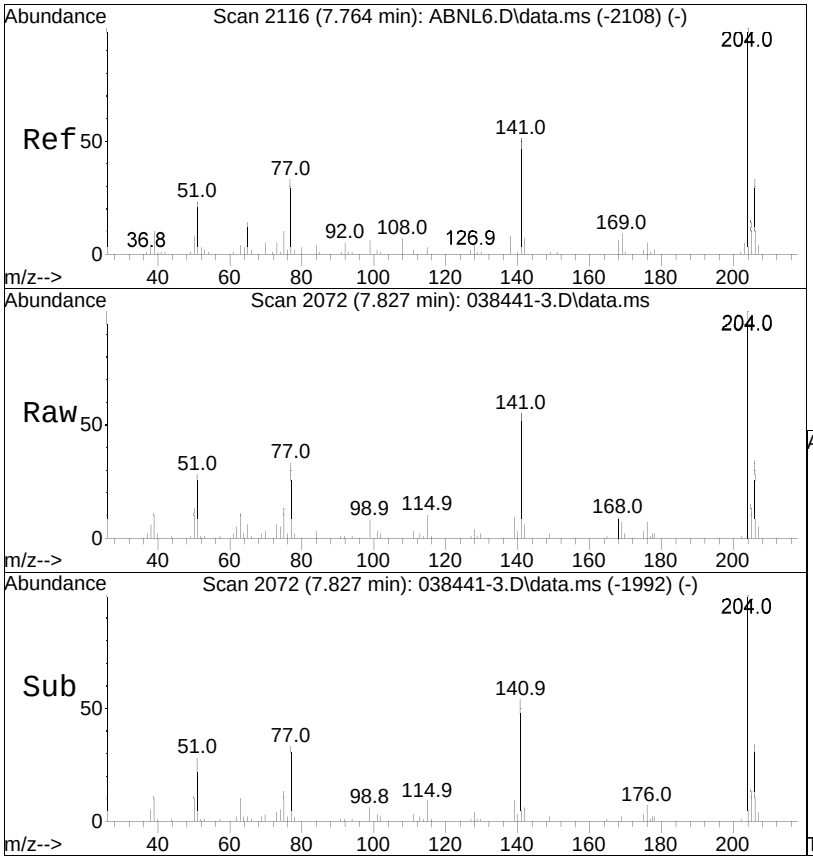


#74
Diethyl phthalate
Concen: 1.24 ug/ml
RT: 7.752 min Scan# 2048
Delta R.T. -0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:149 Resp: 34796

Ion	Ratio	Lower	Upper
149	100		
177	19.9	16.1	24.1
150	11.6	9.4	14.2

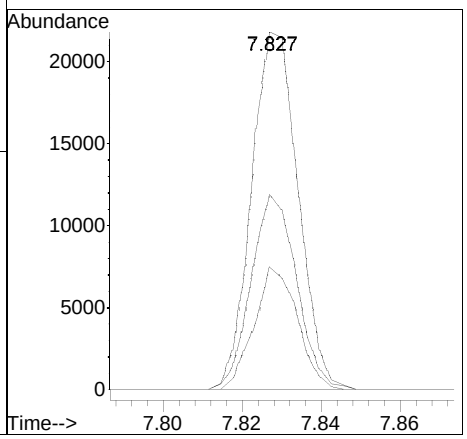


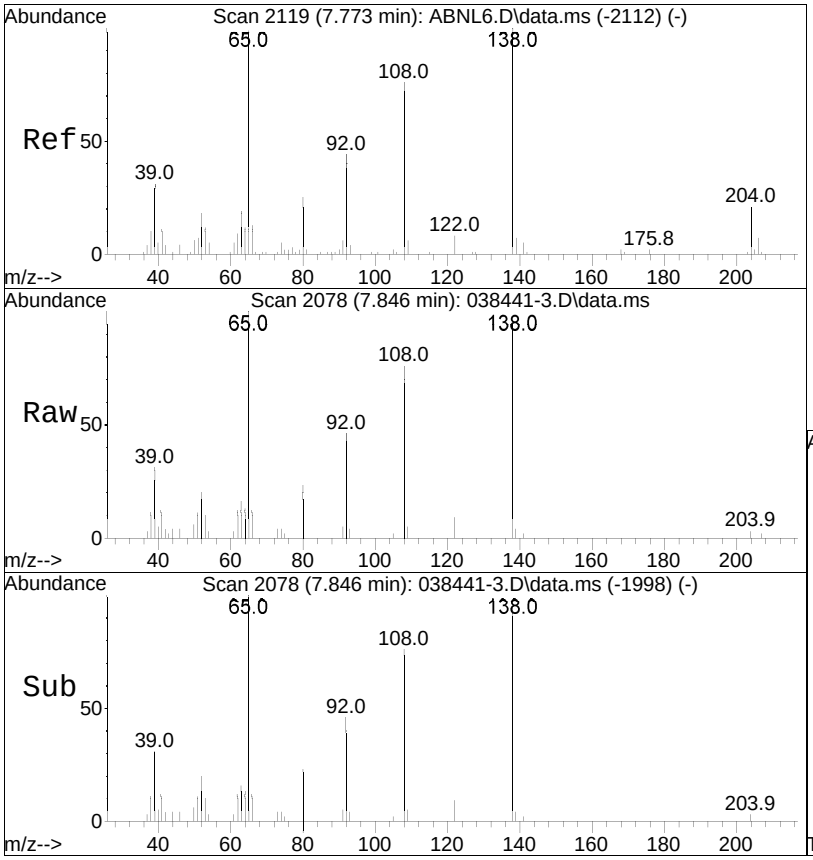


#76
4-Chlorophenyl phenyl ether
Concen: 1.26 ug/ml
RT: 7.827 min Scan# 2072
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:204 Resp: 17713

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.8	38.6
141	53.3	53.6	80.4#

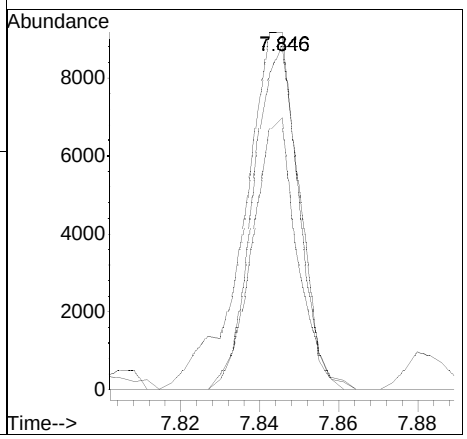


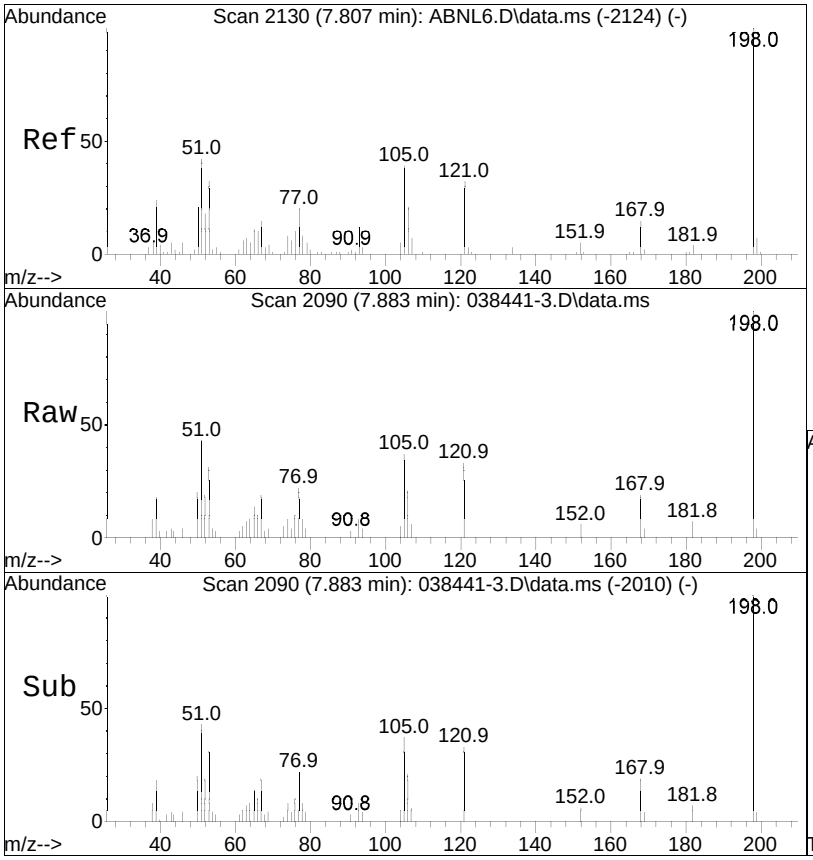


#77
4-Nitroaniline
Concen: 1.35 ug/ml
RT: 7.846 min Scan# 2078
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:138 Resp: 7156

Ion	Ratio	Lower	Upper
138	100		
108	75.7	52.1	78.1
65	122.3	115.0	172.6

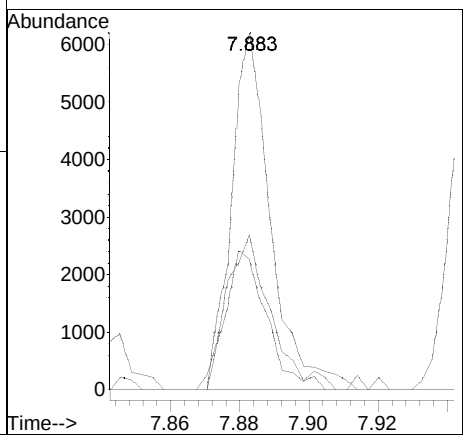


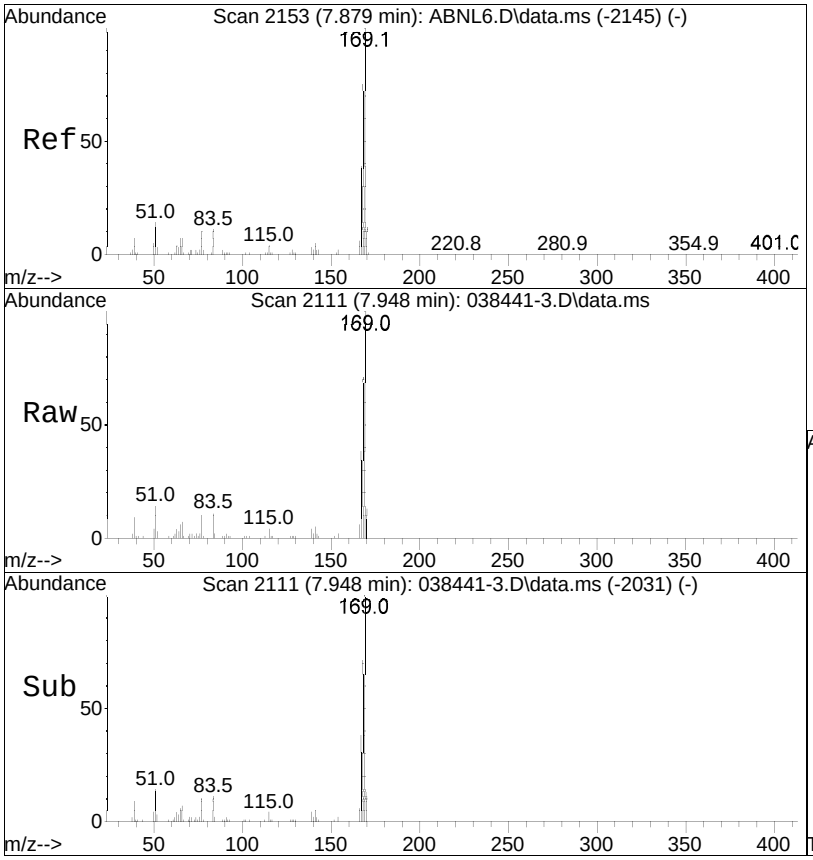


#78
4,6-Dinitro-o-cresol
Concen: 1.18 ug/ml
RT: 7.883 min Scan# 2090
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:198 Resp: 4902

Ion	Ratio	Lower	Upper
198	100		
51	49.3	76.0	114.0#
105	40.5	45.6	68.4#

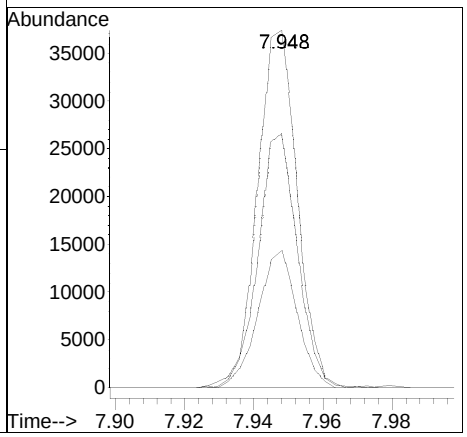


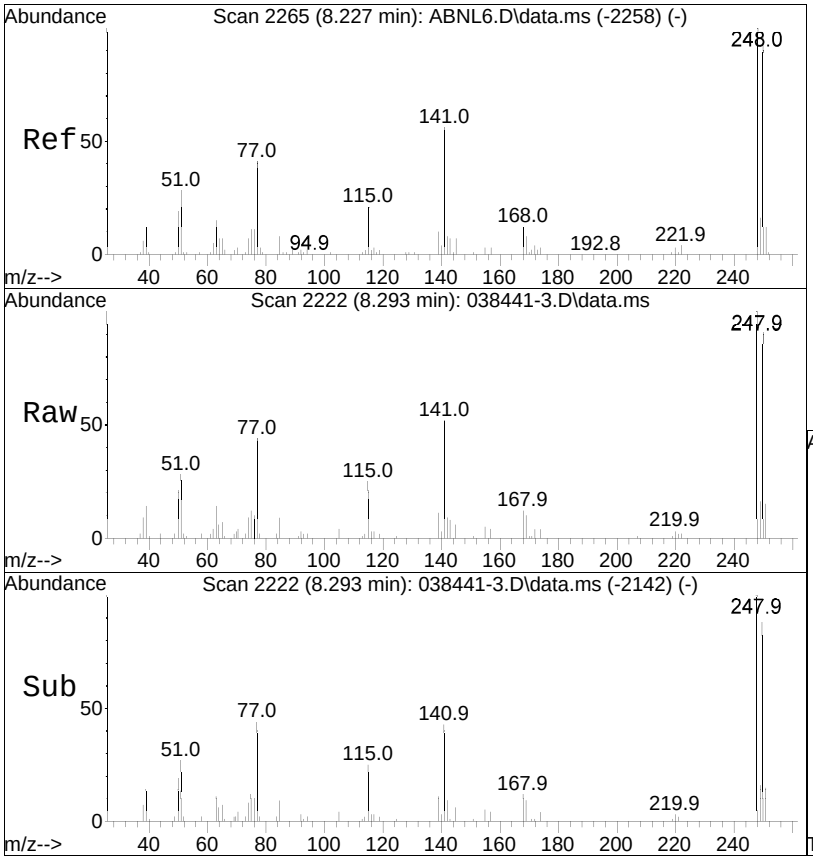


#79
NDPA/DPA
Concen: 1.25 ug/ml
RT: 7.948 min Scan# 2111
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:169 Resp: 29561

Ion	Ratio	Lower	Upper
169	100		
168	71.6	54.0	81.0
167	38.8	28.6	42.8

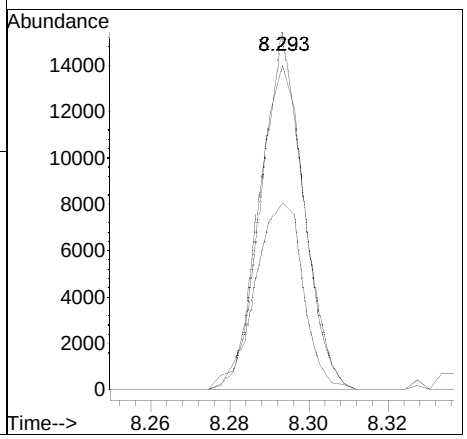


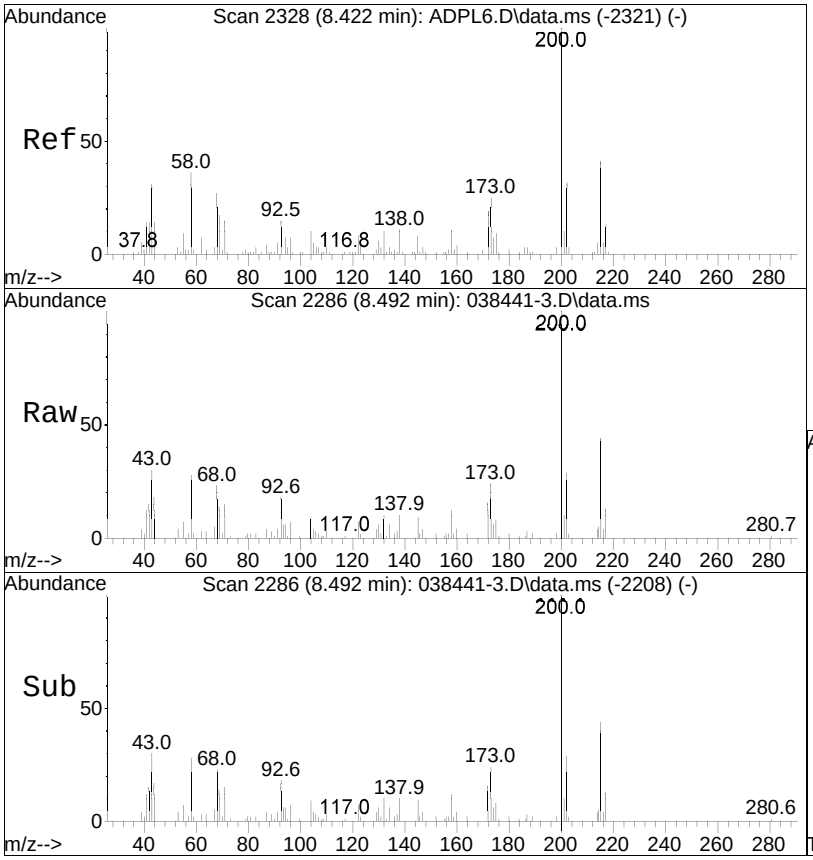


#82
4-Bromophenyl phenyl ether
Concen: 1.23 ug/ml
RT: 8.293 min Scan# 2222
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:248 Resp: 11398

Ion	Ratio	Lower	Upper
248	100		
141	59.0	76.6	114.8#
250	98.4	77.3	115.9

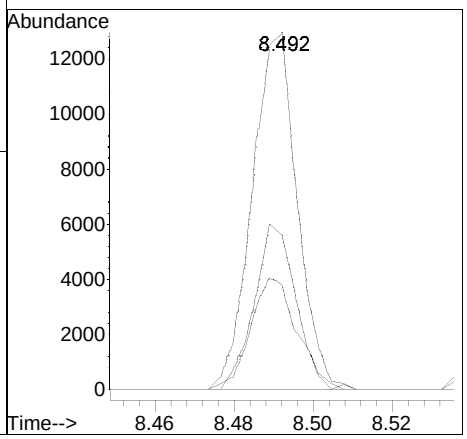


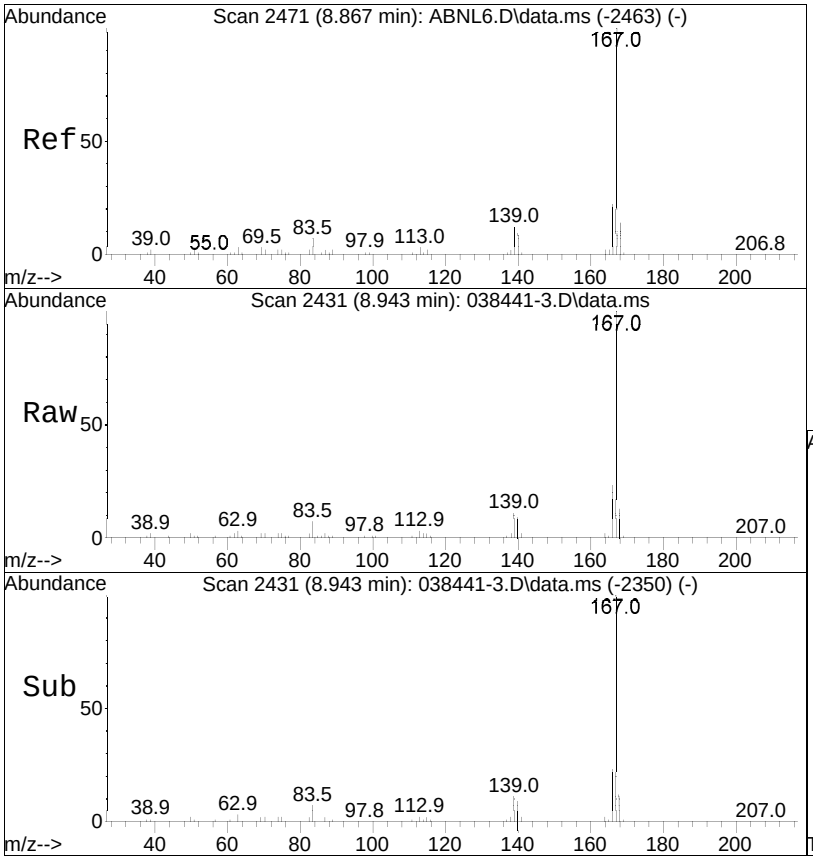


#89
Atrazine
Concen: 1.67 ug/ml
RT: 8.492 min Scan# 2286
Delta R.T. -0.006 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:200 Resp: 10165

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.8	38.6
215	43.0	40.2	60.4

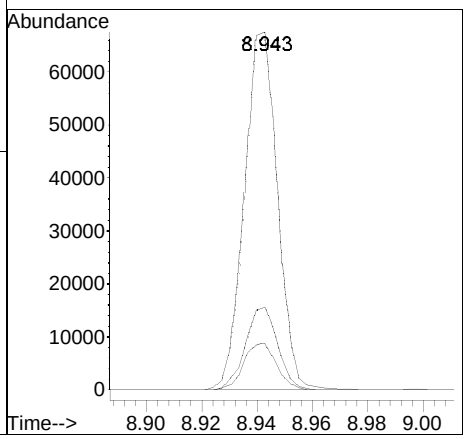


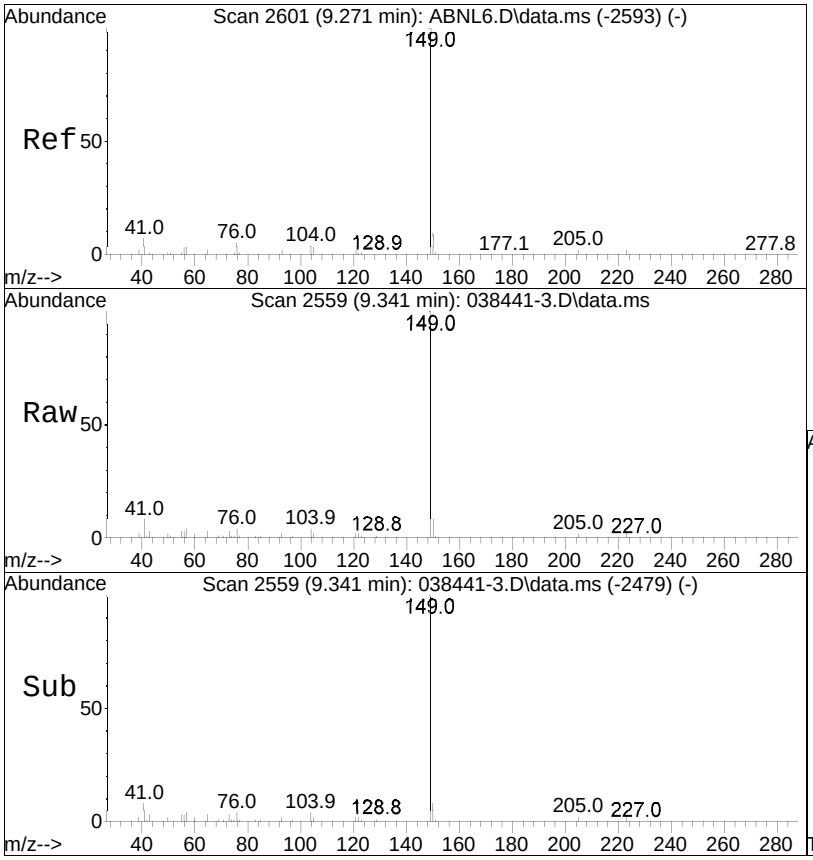


#93
Carbazole
Concen: 1.29 ug/ml
RT: 8.943 min Scan# 2431
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:167 Resp: 55645

Ion	Ratio	Lower	Upper
167	100		
168	12.9	10.6	15.8
166	22.5	17.4	26.0

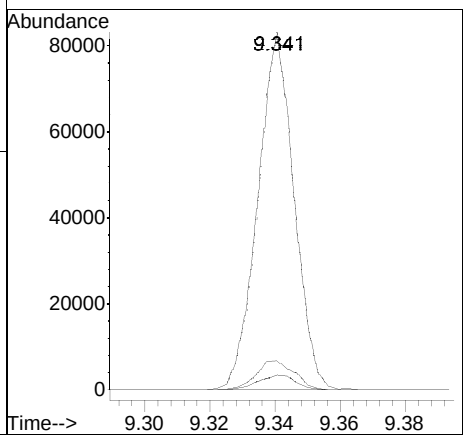


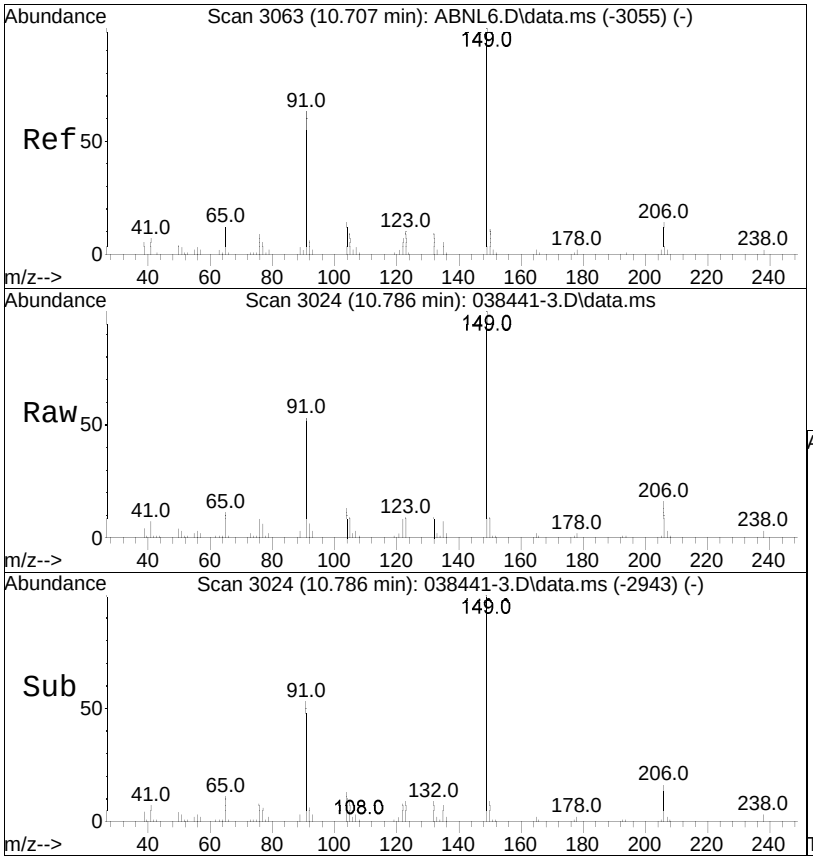


#94
Di-n-butylphthalate
Concen: 1.29 ug/ml
RT: 9.341 min Scan# 2559
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:149 Resp: 63223

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	4.2	4.5	6.7#

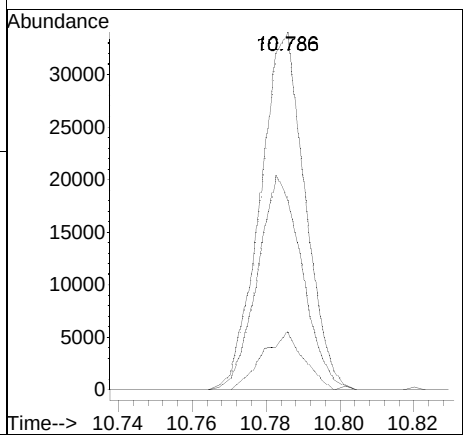


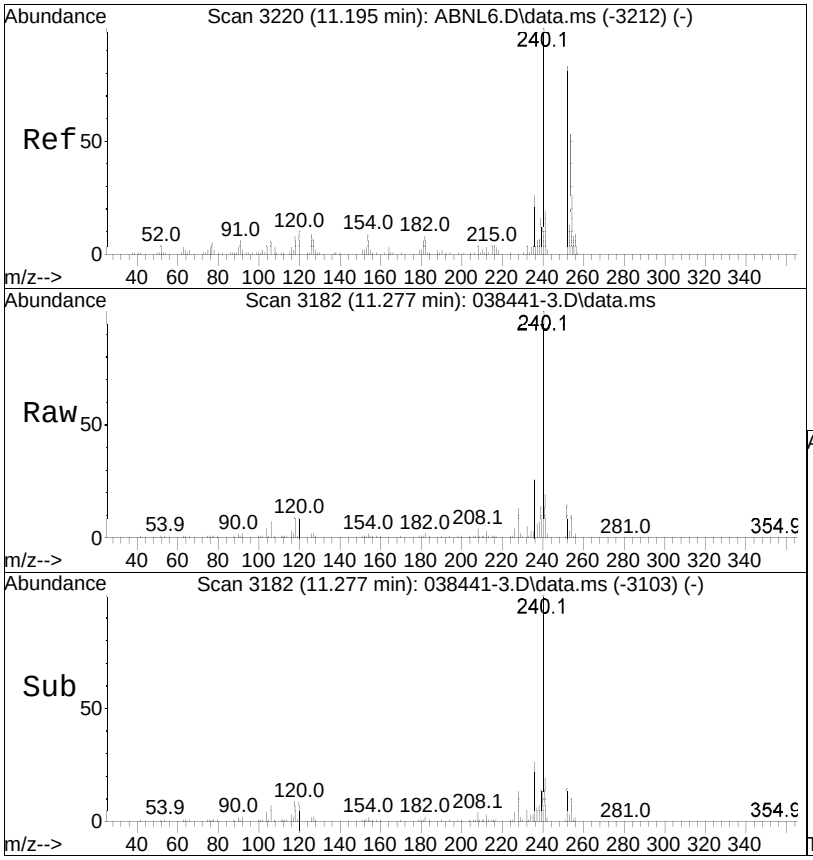


#99
Butyl benzyl phthalate
Concen: 1.36 ug/ml
RT: 10.786 min Scan# 3024
Delta R.T. 0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:149 Resp: 28498

Ion	Ratio	Lower	Upper
149	100		
91	59.8	63.3	94.9#
206	15.2	13.9	20.9

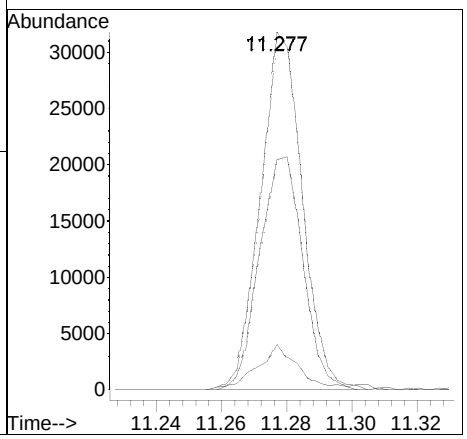


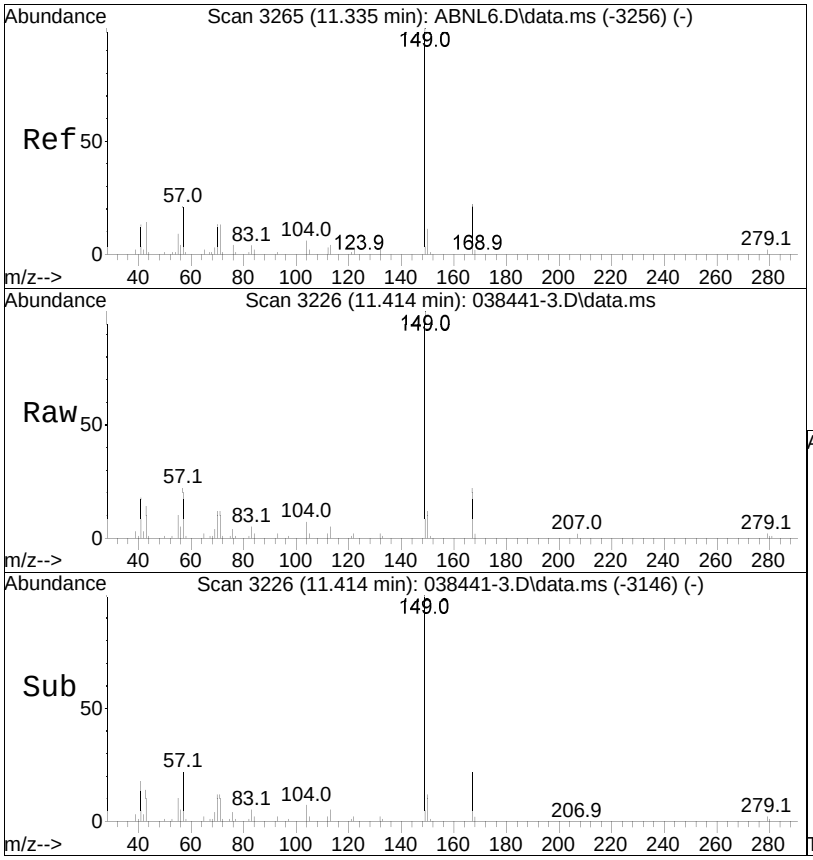


#108
3,3'-Dichlorobenzidine
Concen: 1.10 ug/ml
RT: 11.277 min Scan# 3182
Delta R.T. -0.003 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:252 Resp: 28116

Ion	Ratio	Lower	Upper
252	100		
126	12.6	14.5	21.7#
254	67.5	51.2	76.8

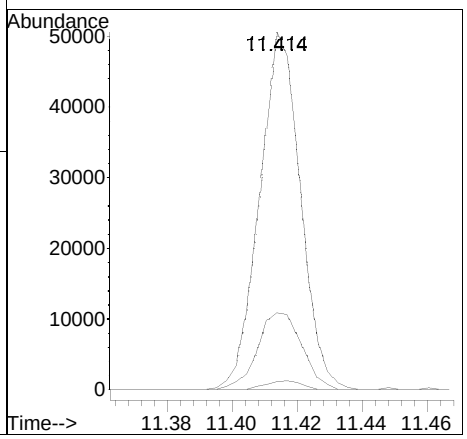


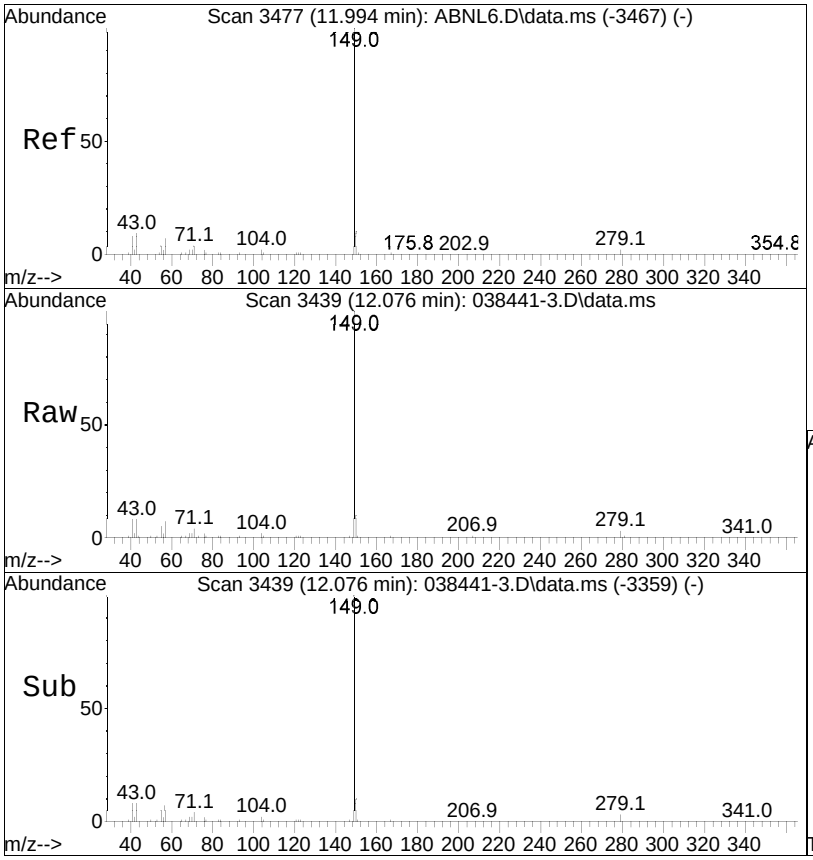


#110
Bis(2-ethylhexyl)phthalate
Concen: 1.19 ug/ml
RT: 11.414 min Scan# 3226
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:149 Resp: 43688

Ion	Ratio	Lower	Upper
149	100		
167	23.4	22.1	33.1
279	2.0	3.0	4.4#

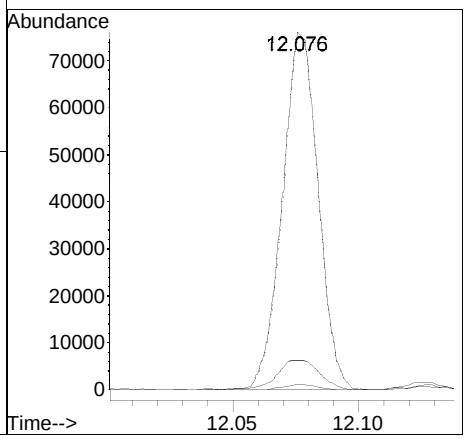




#111
Di-n-octylphthalate
Concen: 1.21 ug/ml
RT: 12.076 min Scan# 3439
Delta R.T. 0.000 min
Lab File: 038441-3.D
Acq: 10 Mar 2025 11:45 pm

Tgt Ion:149 Resp: 74366

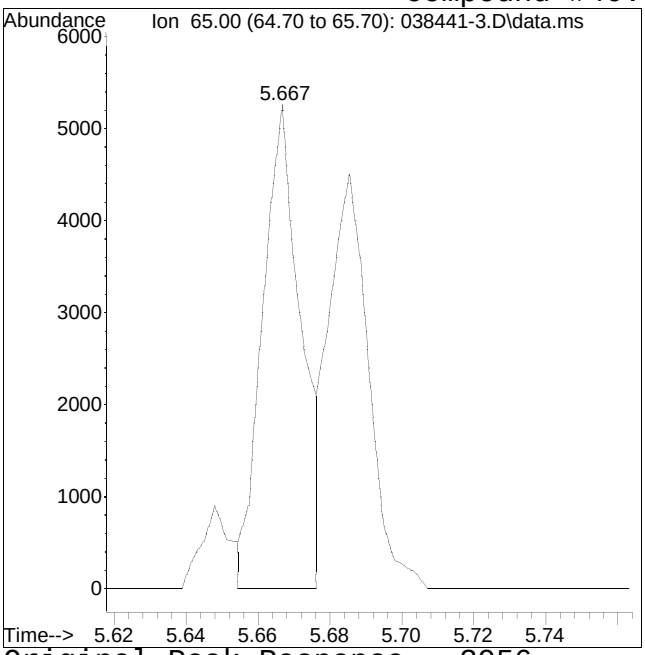
Ion	Ratio	Lower	Upper
149	100		
43	9.9	18.8	28.2#
167	1.4	1.3	1.9

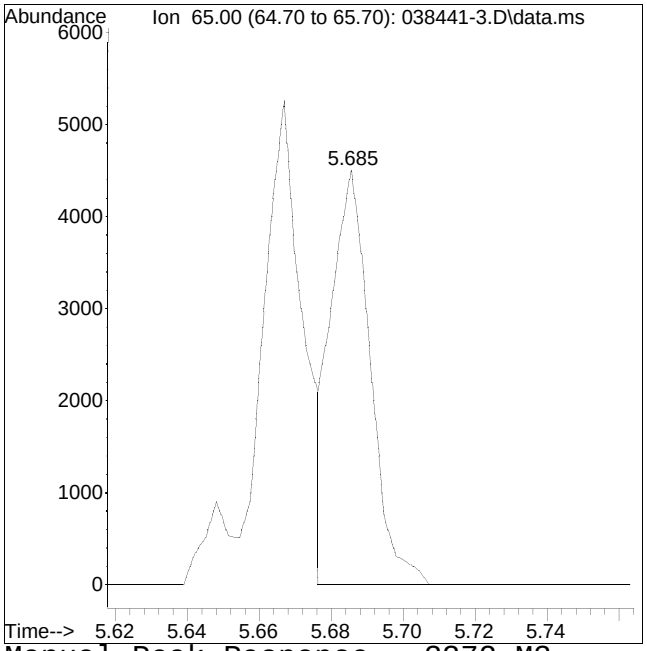


Manual Integration Report

Data Path : I:\8270\Dakota\250310RVTn\QMethod : FS241105RVT_Dakota.m
Data File : 038441-3.D Operator : Dakota:ljg
Date Inj'd : 3/10/2025 11:45 pm Instrument : Dakota
Sample : WG2038540-3,32,,mrg Quant Date : 3/11/2025 7:26 am

Compound #40: 4-Chloroaniline





Original Peak Response = 3956 Manual Peak Response = 3372 M3

M3 = 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:\8270\SV107\250306RVT\
Data File : 037072-4.D
Acq On : 6 Mar 2025 4:34 pm
Operator : SV107:slr
Sample : WG2037072-4,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 10:18:28 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.222	152	80215	4.000	ug/ml		0.00
Standard Area 1 = 108838			Recovery = 73.70%				
27) IS2_1,4-Dichlorobenzen...	6.222	152	80215	4.000	ug/ml		0.00
Standard Area 3 = 113507			Recovery = 70.67%				
35) IS1_Naphthalene-d8	7.660	136	277564	4.000	ug/ml		0.00
Standard Area 1 = 393987			Recovery = 70.45%				
55) IS2_Naphthalene-d8	7.660	136	277564	4.000	ug/ml		0.00
Standard Area 3 = 398927			Recovery = 69.58%				
63) IS1_Acenaphthene-d10	9.421	164	179965	4.000	ug/ml		0.00
Standard Area 1 = 252029			Recovery = 71.41%				
83) IS2_Acenaphthene-d10	9.421	164	179965	4.000	ug/ml		0.00
Standard Area 3 = 250800			Recovery = 71.76%				
86) IS3_Acenaphthene-d10	9.421	164	179965	4.000	ug/ml		0.00
Standard Area 2 = 259991			Recovery = 69.22%				
88) IS1_Phenanthrene-d10	10.855	188	378894	4.000	ug/ml		0.00
Standard Area 1 = 522063			Recovery = 72.58%				
100) IS3_Phenanthrene-d10	10.855	188	378894	4.000	ug/ml	#	0.00
Standard Area 2 = 543463			Recovery = 69.72%				
104) IS1_Chrysene-d12	13.469	240	344210	4.000	ug/ml	#	0.00
Standard Area 1 = 526142			Recovery = 65.42%				
113) IS1_Perylene-d12	14.923	264	349493	4.000	ug/ml		-0.01
Standard Area 1 = 513357			Recovery = 68.08%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.185	112	29272	1.437	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 71.85%				
7) Phenol-d6	5.856	99	27171	1.095	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.75%				
19) Nitrobenzene-d5	6.894	82	22559	0.999	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 99.90%				
46) 2-Fluorobiphenyl	8.786	172	70765	1.039	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 103.90%				
79) 2,4,6-Tribromophenol	10.192	330	20040	2.212	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 110.60%#				
96) 4-Terphenyl-d14	12.439	244	99030	1.083	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 108.30%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-4.D
Acq On : 6 Mar 2025 4:34 pm
Operator : SV107:slr
Sample : WG2037072-4,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 10:18:28 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	5.958	128	47995	2.104	ug/ml	94
8) Phenol	5.873	94	34147	1.225	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.623	45	88059	2.424	ug/ml#	69
15) 2-Methylphenol	6.623	108	38768	1.893	ug/ml	99
17) n-Nitrosodi-n-propylamine	6.774	70	35750	2.216	ug/ml	95
18) 3-Methylphenol/4-Methy...	6.811	108	44894	2.077	ug/ml	96
20) Nitrobenzene	6.916	77	49398	2.161	ug/ml	98
21) Isophorone	7.202	82	92394	2.103	ug/ml	97
22) 2-Nitrophenol	7.277	139	22510	2.080	ug/ml	87
23) 2,4-Dimethylphenol	7.382	107	35833	1.539	ug/ml	99
24) Bis(2-chloroethoxy)met...	7.472	93	76514	2.402	ug/ml	96
25) 2,4-Dichlorophenol	7.545	162	53148	2.246	ug/ml#	92
28) Benzaldehyde	5.635	105	41063	2.385	ug/ml	99
29) Acetophenone	6.736	105	75822	2.569	ug/ml#	87
38) 4-Chloroaniline	7.775	65	16889M3	1.874	ug/ml	
40) p-Chloro-m-cresol	8.309	107	44783	2.362	ug/ml	95
43) Hexachlorocyclopentadiene	8.579	237	20384	1.059	ug/ml	99
44) 2,4,6-Trichlorophenol	8.705	196	40330	2.198	ug/ml	99
45) 2,4,5-Trichlorophenol	8.732	196	45367	2.373	ug/ml	99
48) 2-Nitroaniline	9.002	138	29048	2.156	ug/ml	86
51) Dimethyl phthalate	9.206	163	157265	2.354	ug/ml#	98
53) 2,6-Dinitrotoluene	9.245	165	27125	2.166	ug/ml#	79
60) Caprolactam	8.099	55	9575	1.258	ug/ml#	83
61) 1,2,4,5-Tetrachloroben...	8.579	216	57685	1.943	ug/ml	98
62) Biphenyl	8.876	154	145498	2.163	ug/ml	100
64) 3-Nitroaniline	9.402	138	27408	2.343	ug/ml#	90
66) 2,4-Dinitrophenol	9.509	184	8054	1.471	ug/ml	88
67) Dibenzofuran	9.627	168	188656	2.271	ug/ml	99
68) 2,4-Dinitrotoluene	9.637	165	37730	2.222	ug/ml	86
69) 4-Nitrophenol	9.597	65	13406	1.488	ug/ml#	1
72) Diethyl phthalate	9.896	149	147007	2.453	ug/ml	97
74) 4-Chlorophenyl phenyl ...	9.980	204	74104	2.246	ug/ml#	86
75) 4-Nitroaniline	9.987	138	28870	2.607	ug/ml	82
76) 4,6-Dinitro-o-cresol	10.030	198	16408	1.933	ug/ml#	57
77) NDPA/DPA	10.100	169	128990	2.388	ug/ml	93
80) 4-Bromophenyl phenyl e...	10.449	248	44446	2.249	ug/ml#	84

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-4.D
Acq On : 6 Mar 2025 4:34 pm
Operator : SV107:slr
Sample : WG2037072-4,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 10:18:28 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	10.636	200	49067	2.976	ug/ml	93
91)	Carbazole	11.096	167	223799	2.429	ug/ml	98
92)	Di-n-butylphthalate	11.490	149	252736	2.678	ug/ml	98
97)	Butyl benzyl phthalate	12.958	149	102294	2.459	ug/ml	85
106)	3,3'-Dichlorobenzidine	13.469	252	88845	2.563	ug/ml#	98
108)	Bis(2-ethylhexyl)phtha...	13.596	149	151424	2.589	ug/ml#	96
109)	Di-n-octylphthalate	14.269	149	227708	2.513	ug/ml#	74

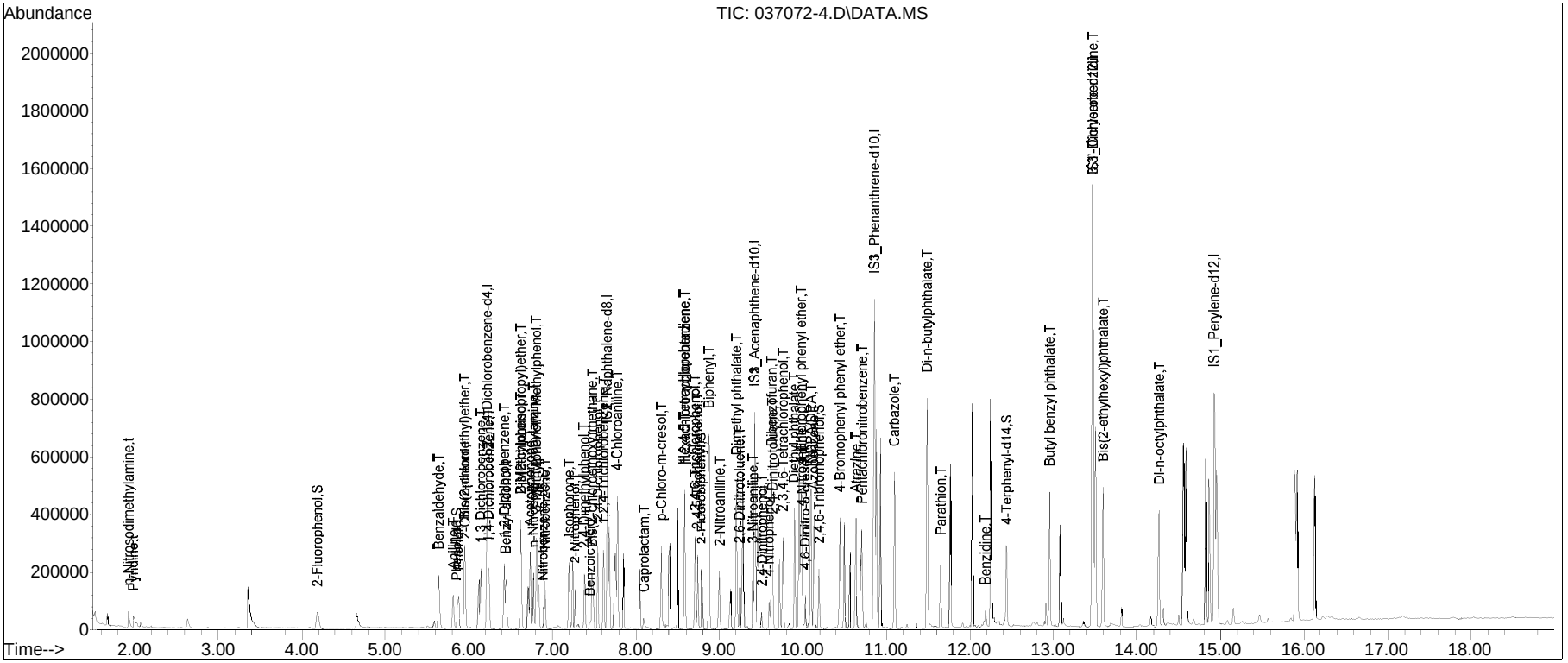
(#) = qualifier out of range (m) = manual integration (+) = signals summed

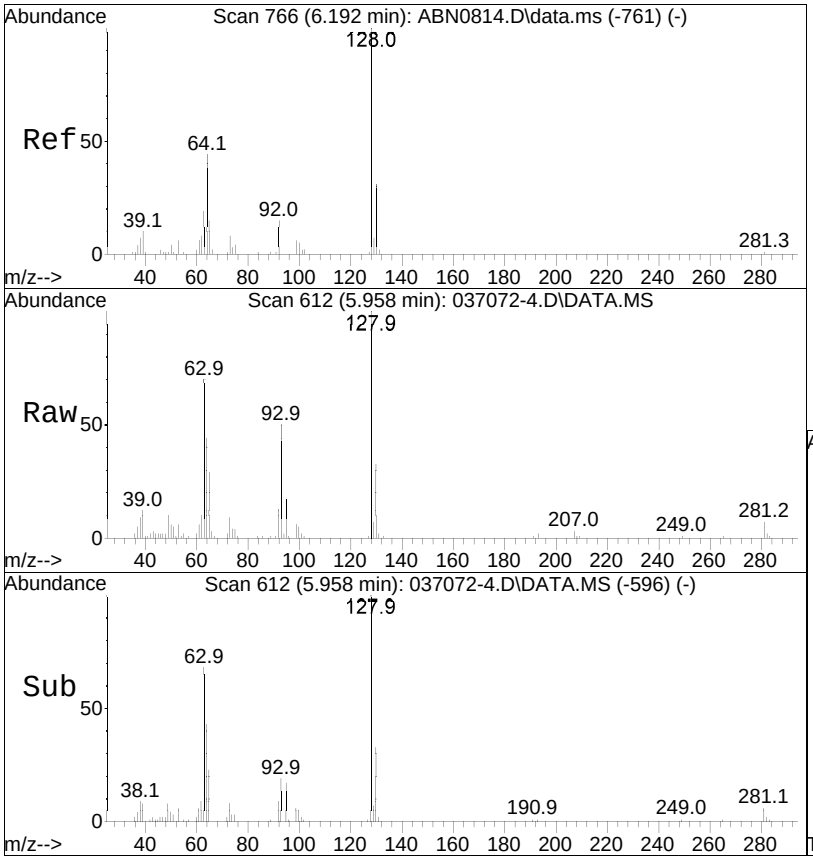
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-4.D
Acq On : 6 Mar 2025 4:34 pm
Operator : SV107:slr
Sample : WG2037072-4,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 10:18:28 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90306.D•

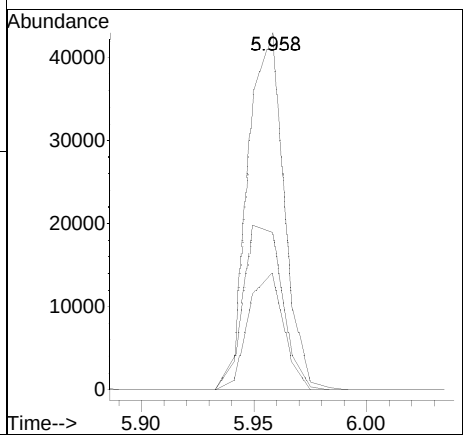


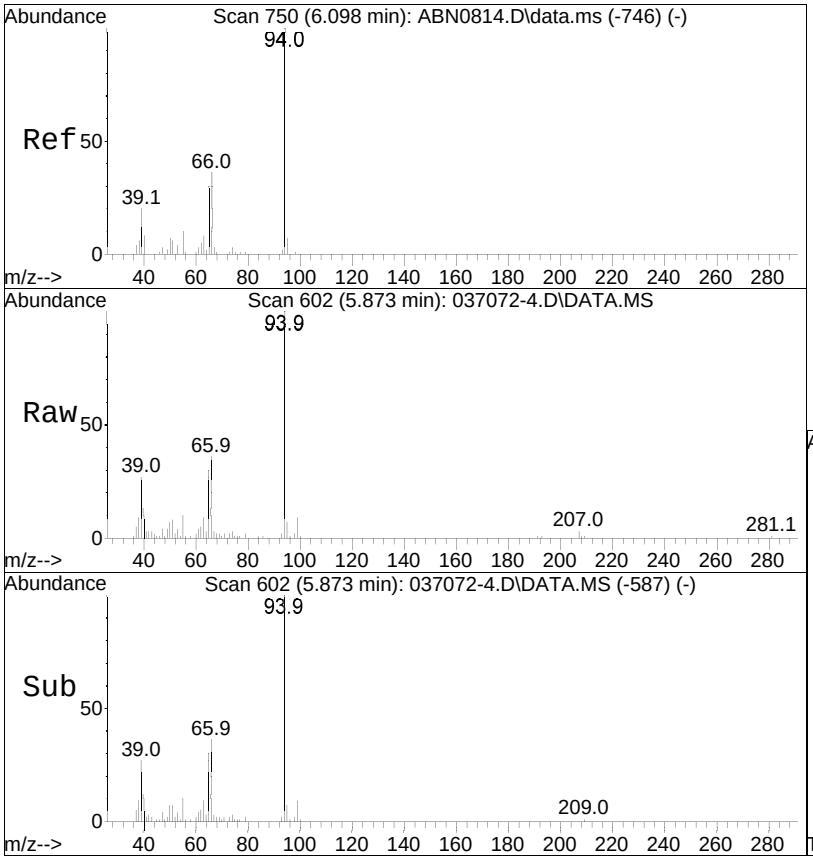


#6
2-Chlorophenol
Concen: 2.10 ug/ml
RT: 5.958 min Scan# 612
Delta R.T. 0.008 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:128 Resp: 47995

Ion	Ratio	Lower	Upper
128	100		
64	49.6	45.1	67.7
130	32.0	26.2	39.4

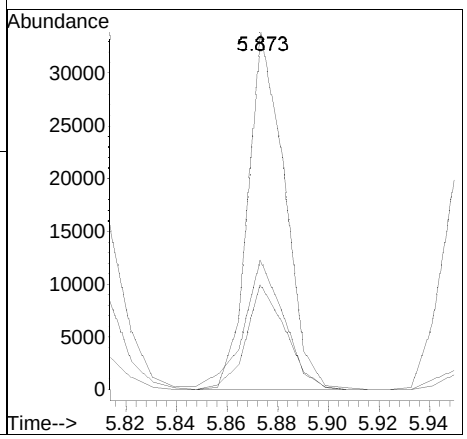


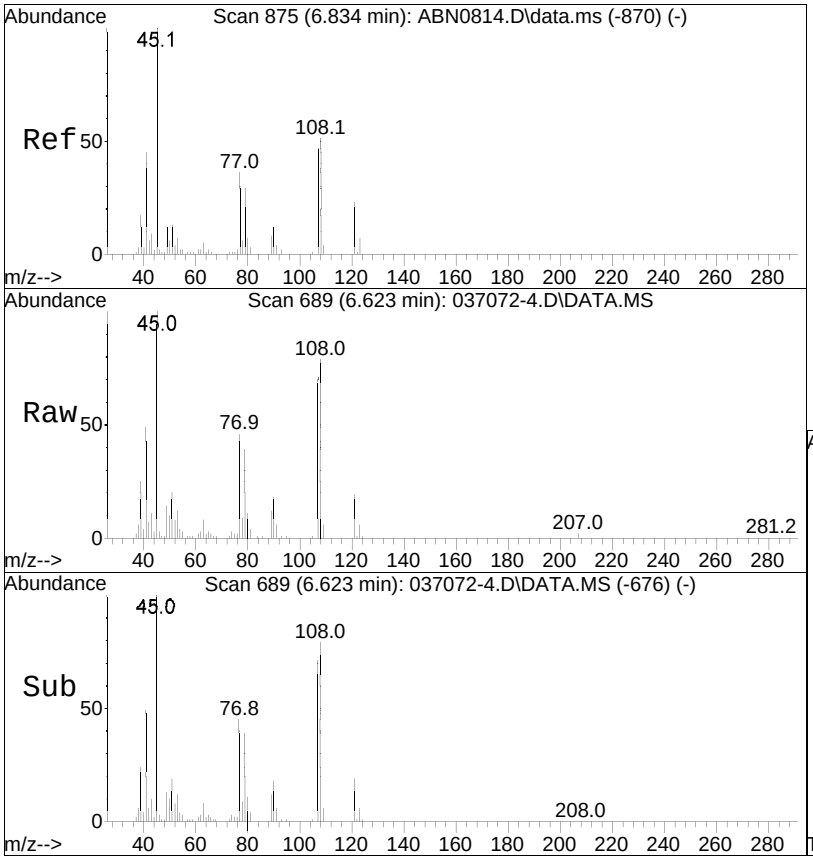


#8
Phenol
Concen: 1.23 ug/ml
RT: 5.873 min Scan# 602
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 94 Resp: 34147

Ion	Ratio	Lower	Upper
94	100		
65	31.6	26.0	39.0
66	40.6	33.8	50.8

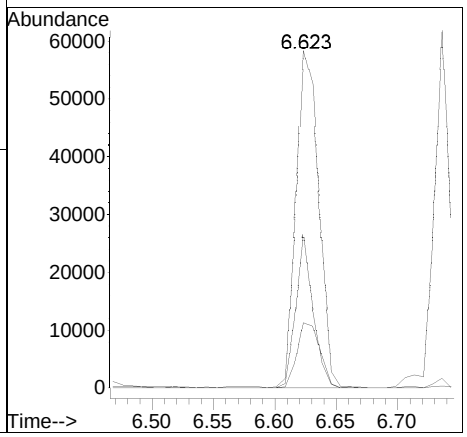


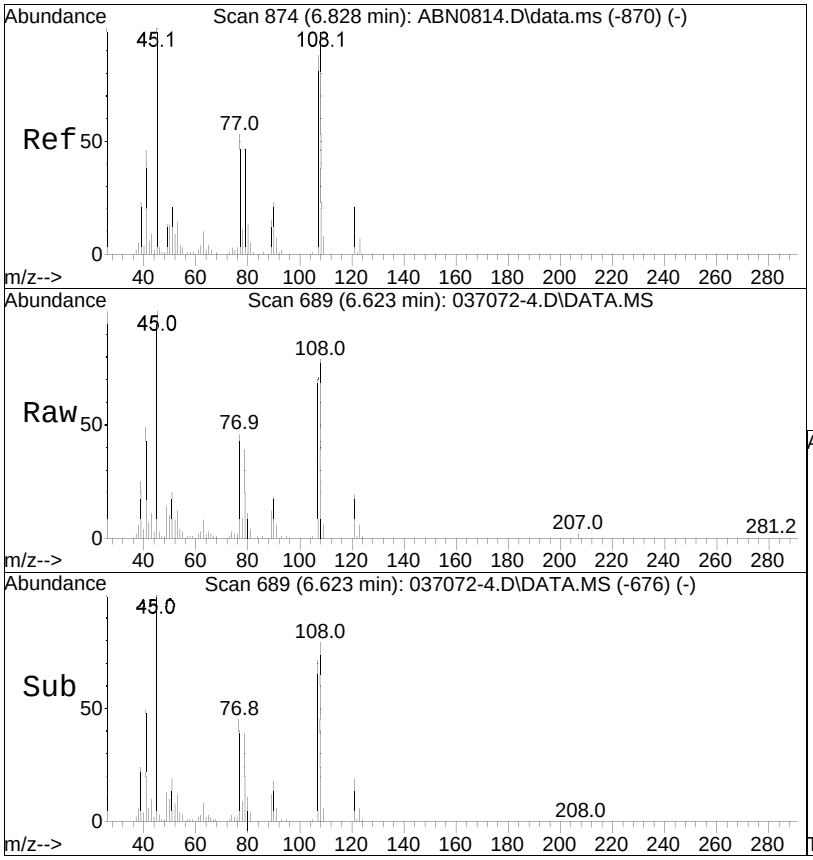


#14
Bis(2-chloroisopropyl)ether
Concen: 2.42 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 45 Resp: 88059

Ion	Ratio	Lower	Upper
45	100		
121	16.7	9.8	14.6#
77	29.5	6.1	9.1#

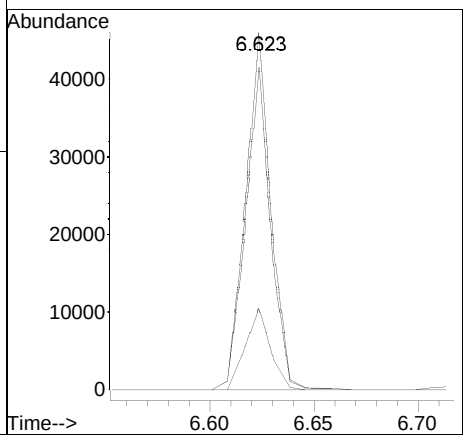


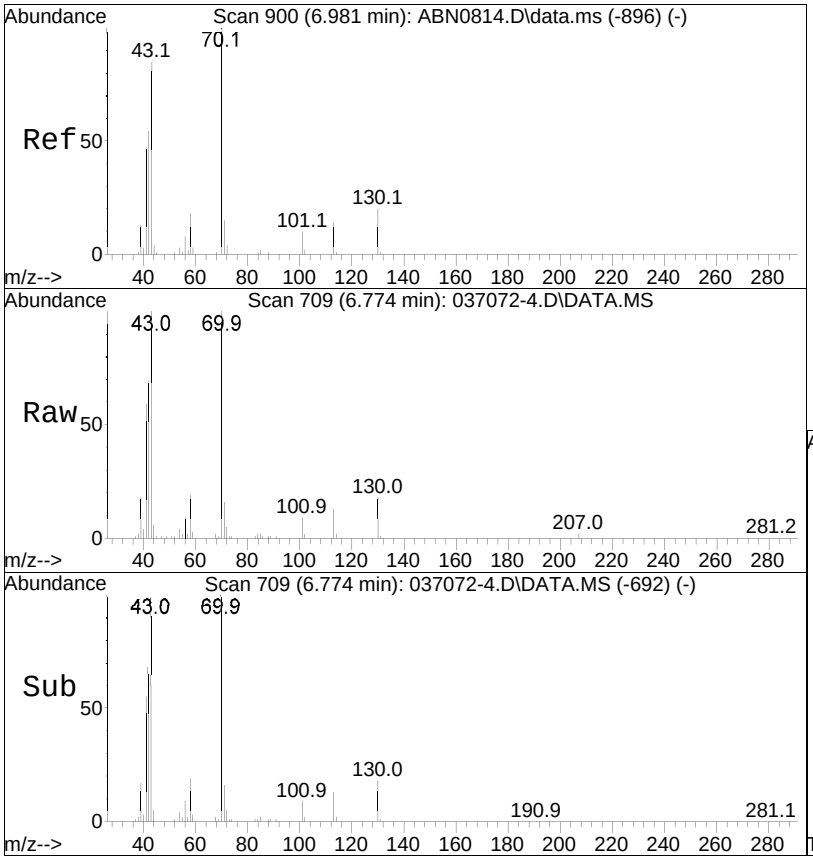


#15
2-Methylphenol
Concen: 1.89 ug/ml
RT: 6.623 min Scan# 689
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:108 Resp: 38768

Ion	Ratio	Lower	Upper
108	100		
107	89.1	70.7	106.1
90	22.5	18.7	28.1

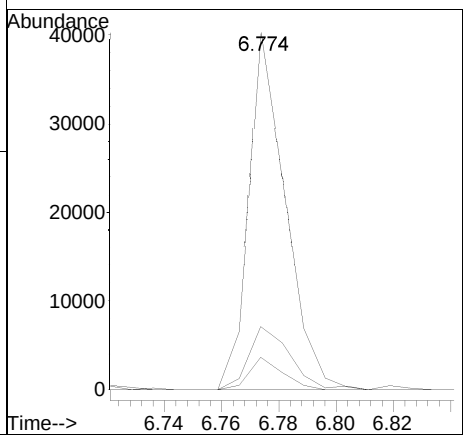


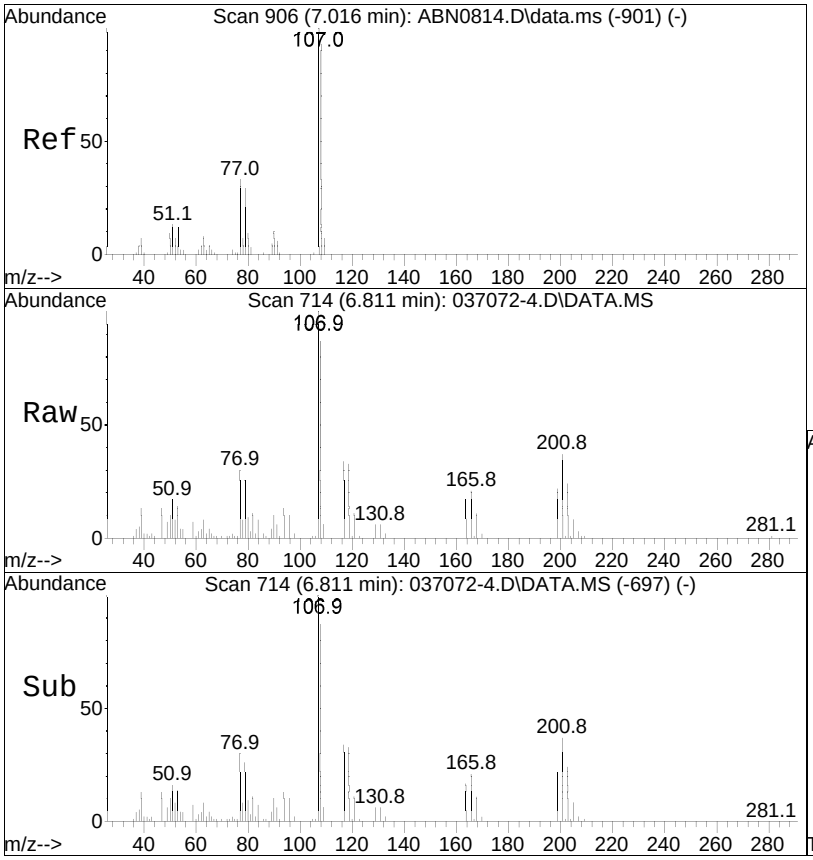


#17
n-Nitrosodi-n-propylamine
Concen: 2.22 ug/ml
RT: 6.774 min Scan# 709
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 70 Resp: 35750

Ion	Ratio	Lower	Upper
70	100		
130	19.9	18.2	27.4
101	8.3	7.8	11.8

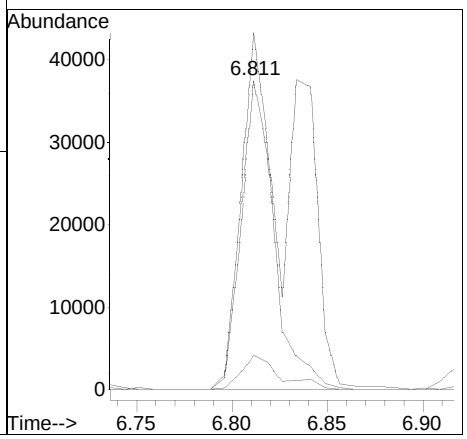


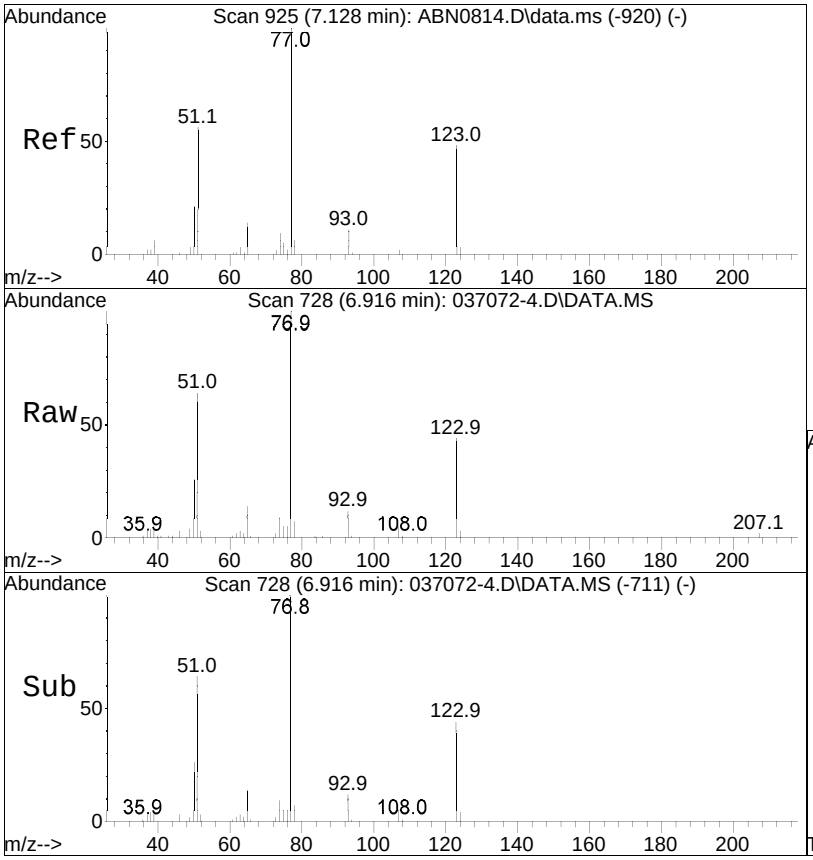


#18
3-Methylphenol/4-Methylphenol
Concen: 2.08 ug/ml
RT: 6.811 min Scan# 714
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:108 Resp: 44894

Ion	Ratio	Lower	Upper
108	100		
107	106.9	88.6	132.8
90	12.9	8.8	13.2

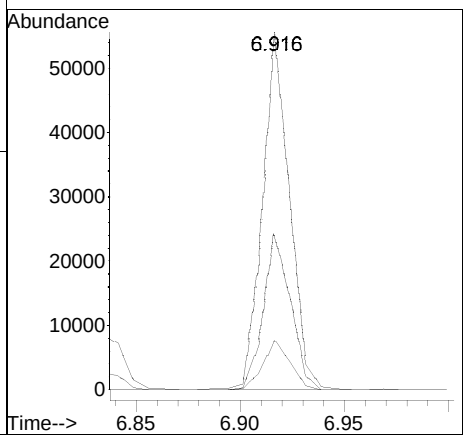


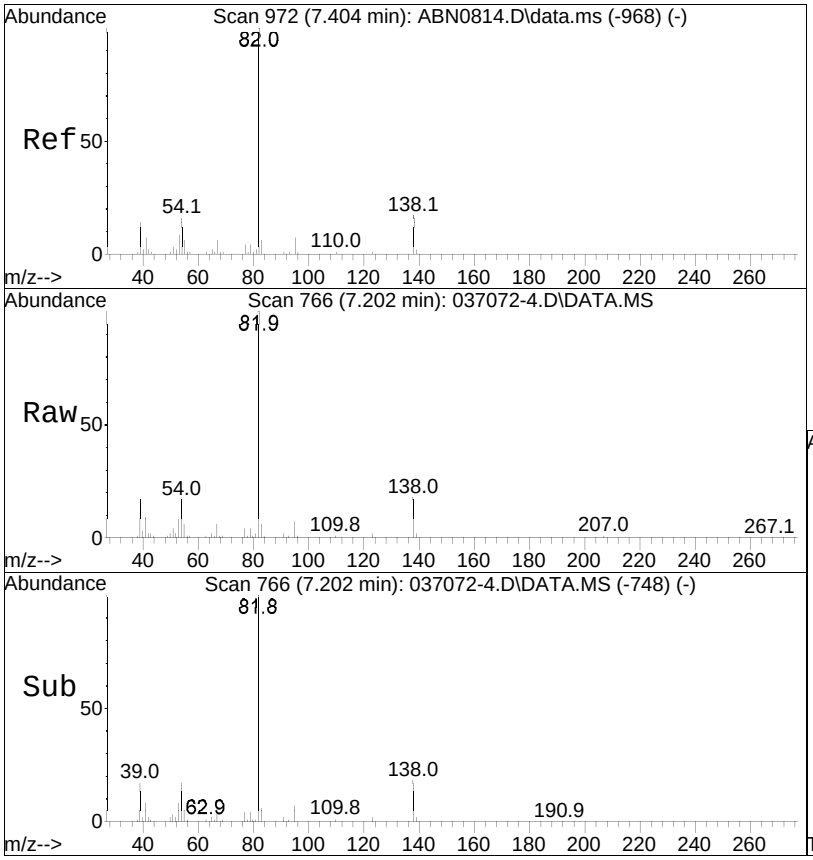


#20
Nitrobenzene
Concen: 2.16 ug/ml
RT: 6.916 min Scan# 728
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 77 Resp: 49398

Ion	Ratio	Lower	Upper
77	100		
123	44.1	36.3	54.5
65	14.0	11.6	17.4

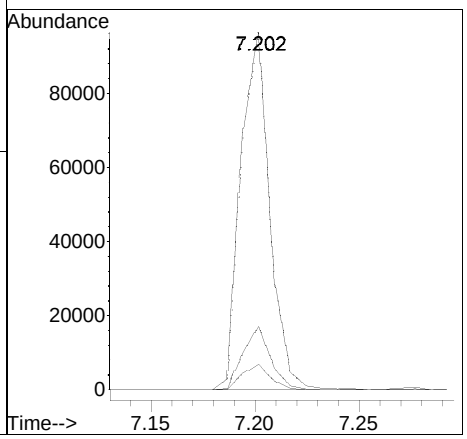


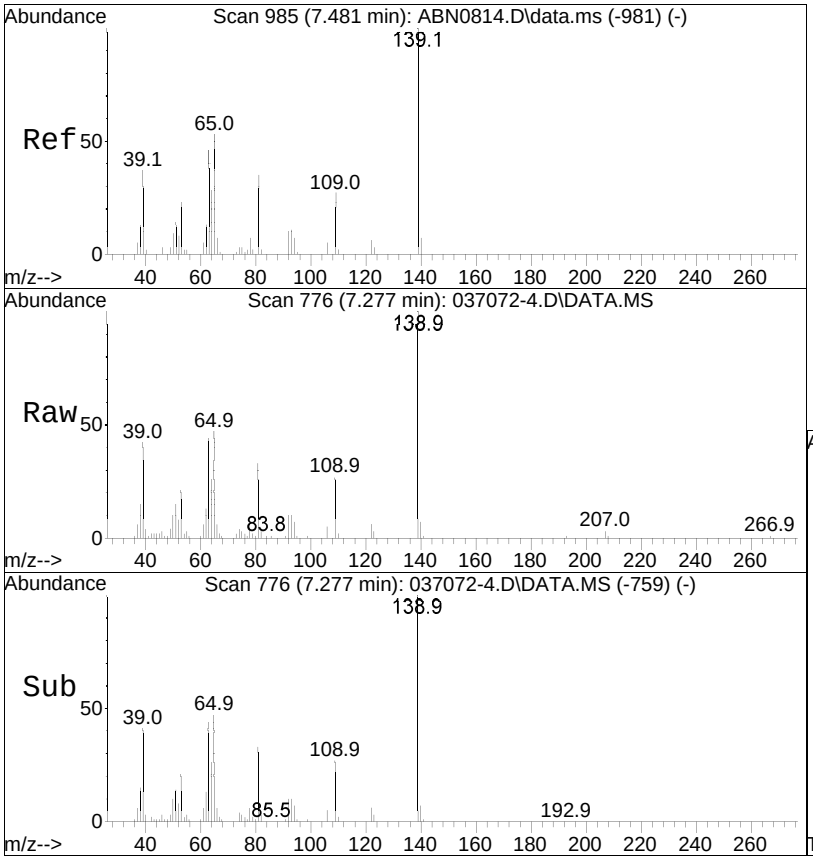


#21
Isophorone
Concen: 2.10 ug/ml
RT: 7.202 min Scan# 766
Delta R.T. 0.007 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 82 Resp: 92394

Ion	Ratio	Lower	Upper
82	100		
138	17.0	14.7	22.1
95	7.0	5.2	7.8

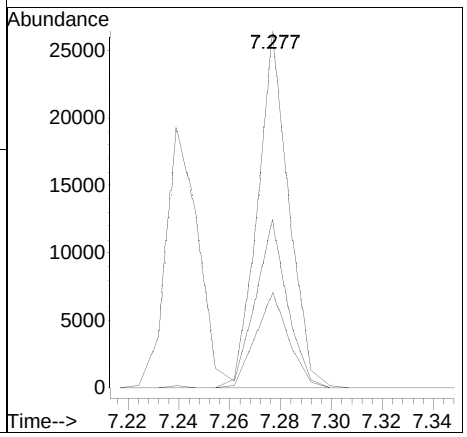


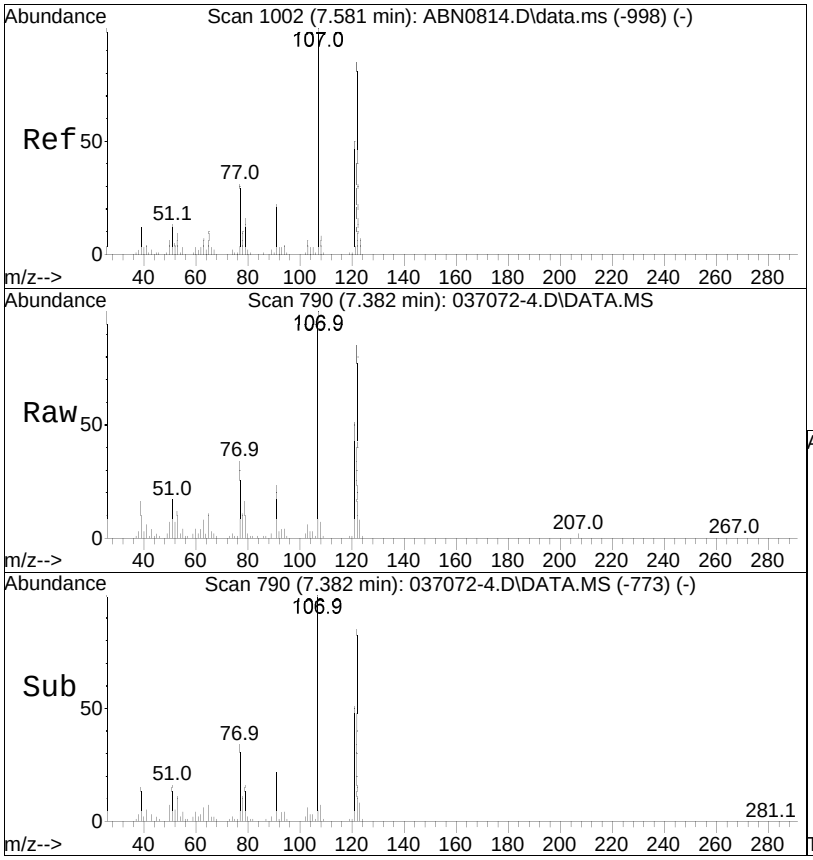


#22
2-Nitrophenol
Concen: 2.08 ug/ml
RT: 7.277 min Scan# 776
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:139 Resp: 22510

Ion	Ratio	Lower	Upper
139	100		
109	28.4	19.4	29.0
65	47.0	46.1	69.1

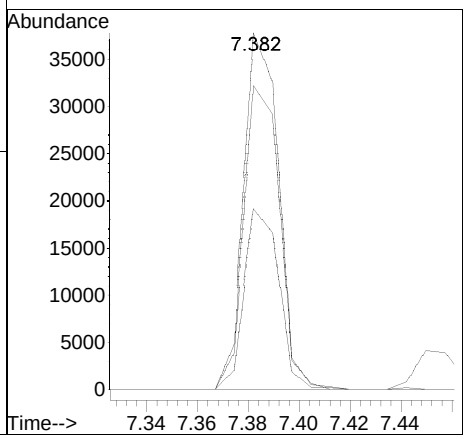


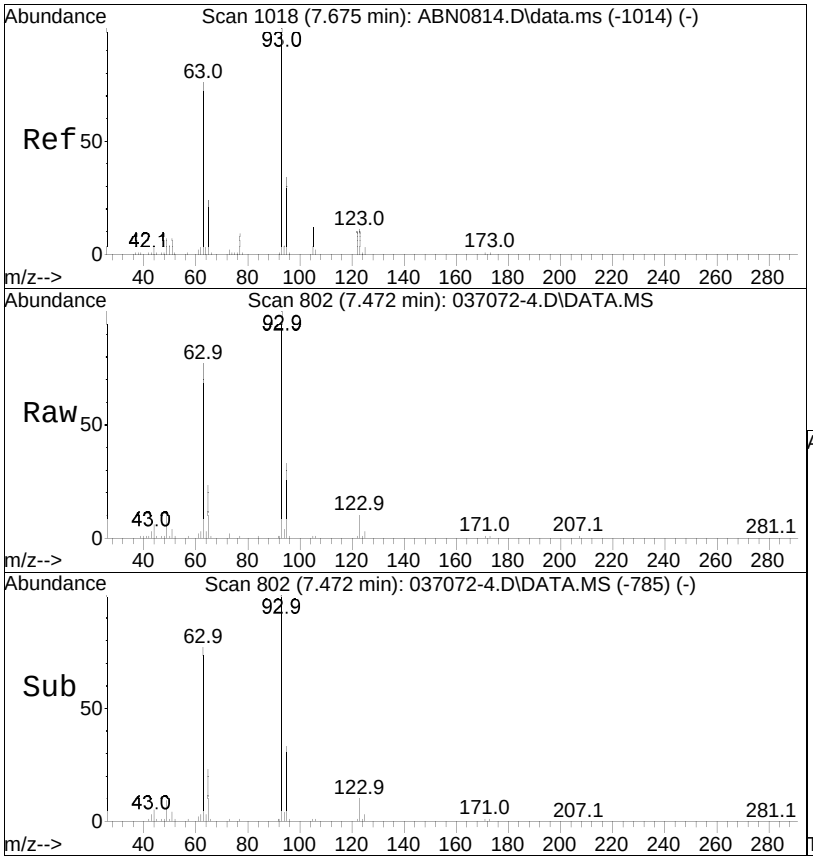


#23
2,4-Dimethylphenol
Concen: 1.54 ug/ml
RT: 7.382 min Scan# 790
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:107 Resp: 35833

Ion	Ratio	Lower	Upper
107	100		
121	50.5	40.0	60.0
122	87.1	70.2	105.4

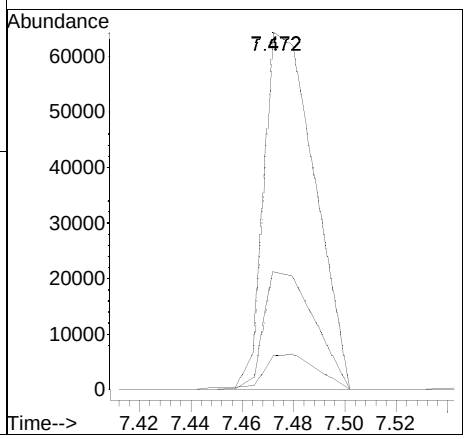


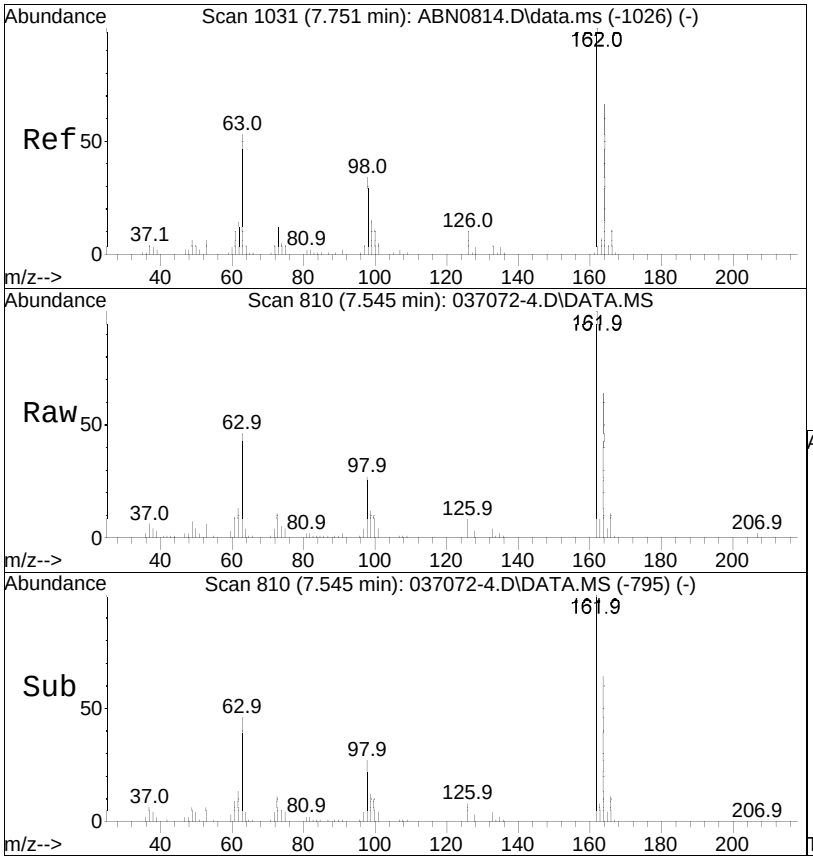


#24
Bis(2-chloroethoxy)methane
Concen: 2.40 ug/ml
RT: 7.472 min Scan# 802
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 93 Resp: 76514

Ion	Ratio	Lower	Upper
93	100		
95	34.1	25.8	38.8
123	10.3	10.1	15.1

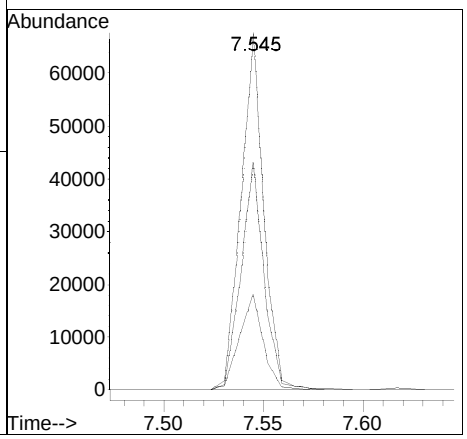


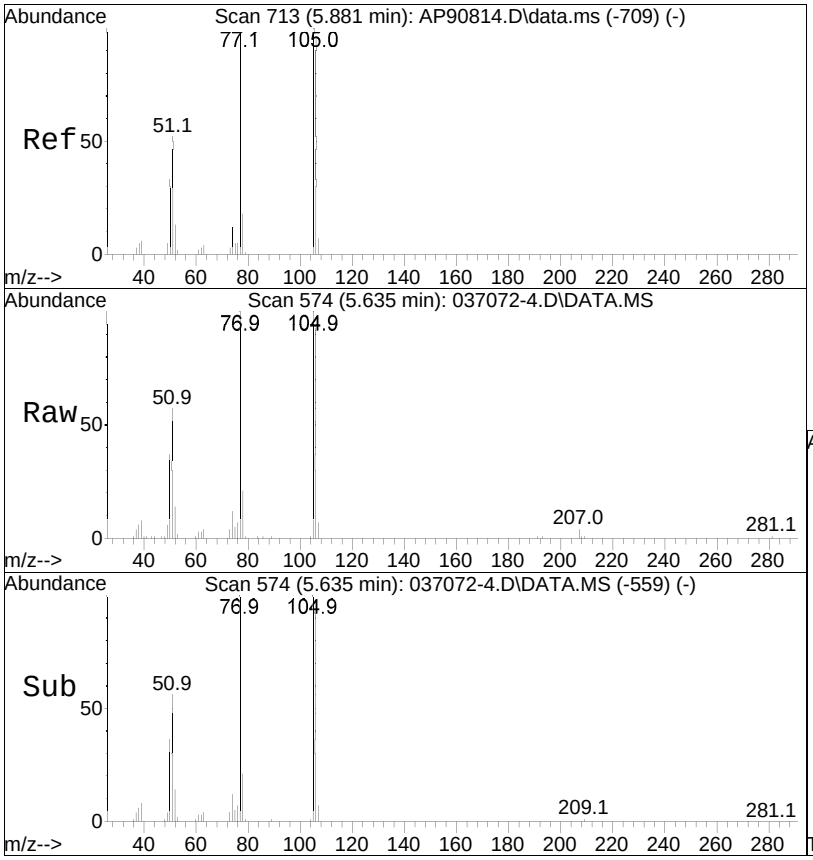


#25
2,4-Dichlorophenol
Concen: 2.25 ug/ml
RT: 7.545 min Scan# 810
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:162 Resp: 53148

Ion	Ratio	Lower	Upper
162	100		
164	64.5	51.0	76.4
98	28.0	32.2	48.2#

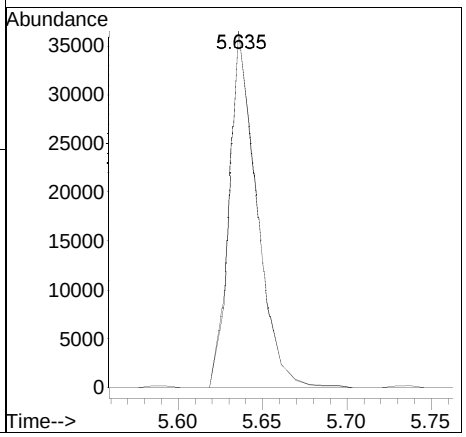


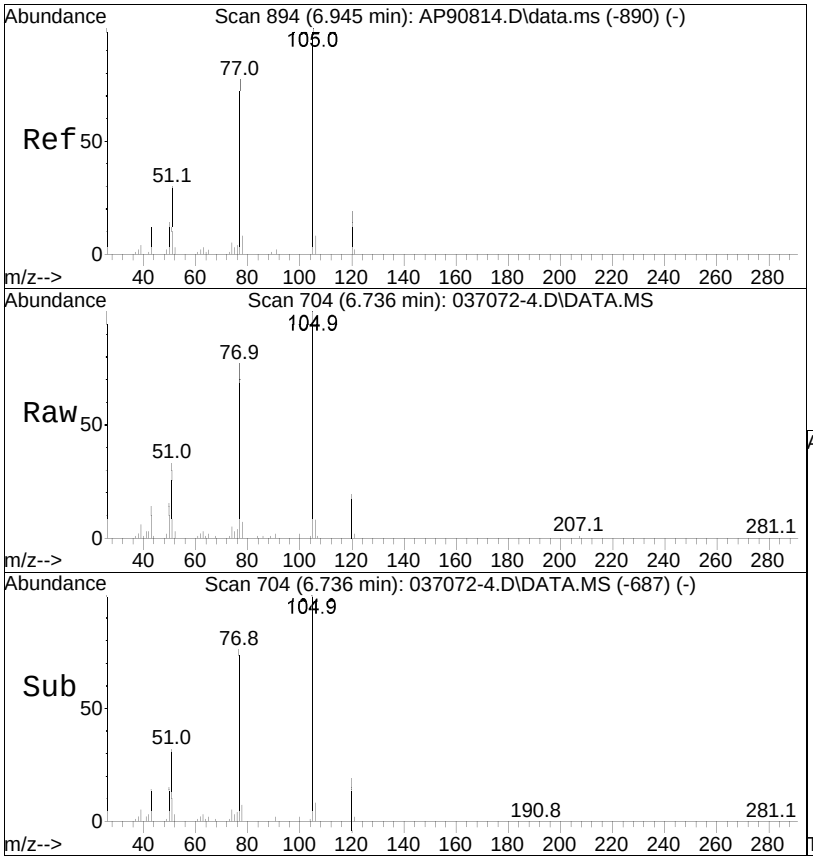


#28
Benzaldehyde
Concen: 2.38 ug/ml
RT: 5.635 min Scan# 574
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:105 Resp: 41063

Ion	Ratio	Lower	Upper
105	100		
77	101.7	82.2	123.4

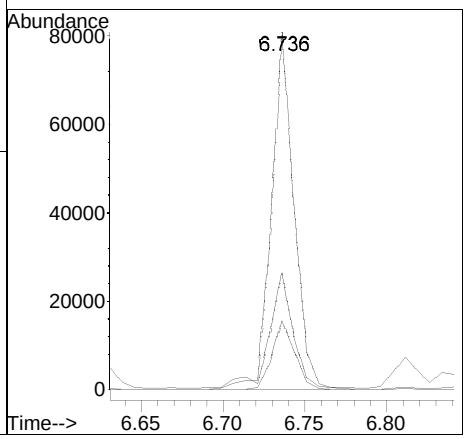


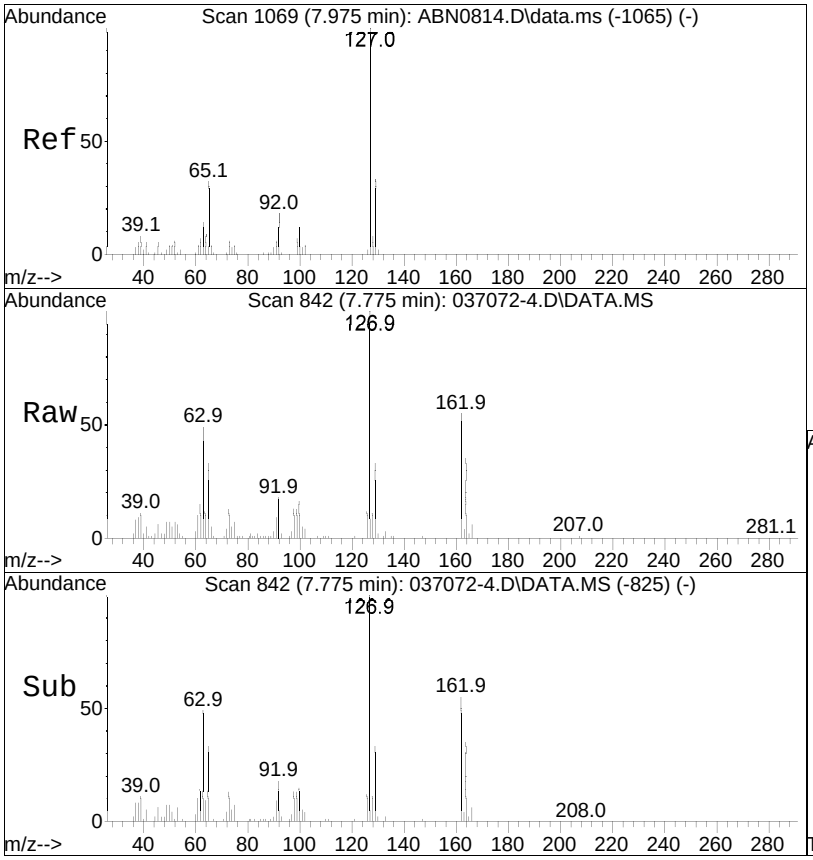


#29
Acetophenone
Concen: 2.57 ug/ml
RT: 6.736 min Scan# 704
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:105 Resp: 75822

Ion	Ratio	Lower	Upper
105	100		
120	19.4	20.5	30.7#
51	34.8	34.9	52.3#

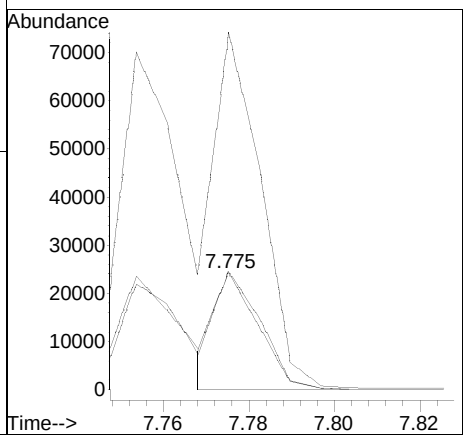


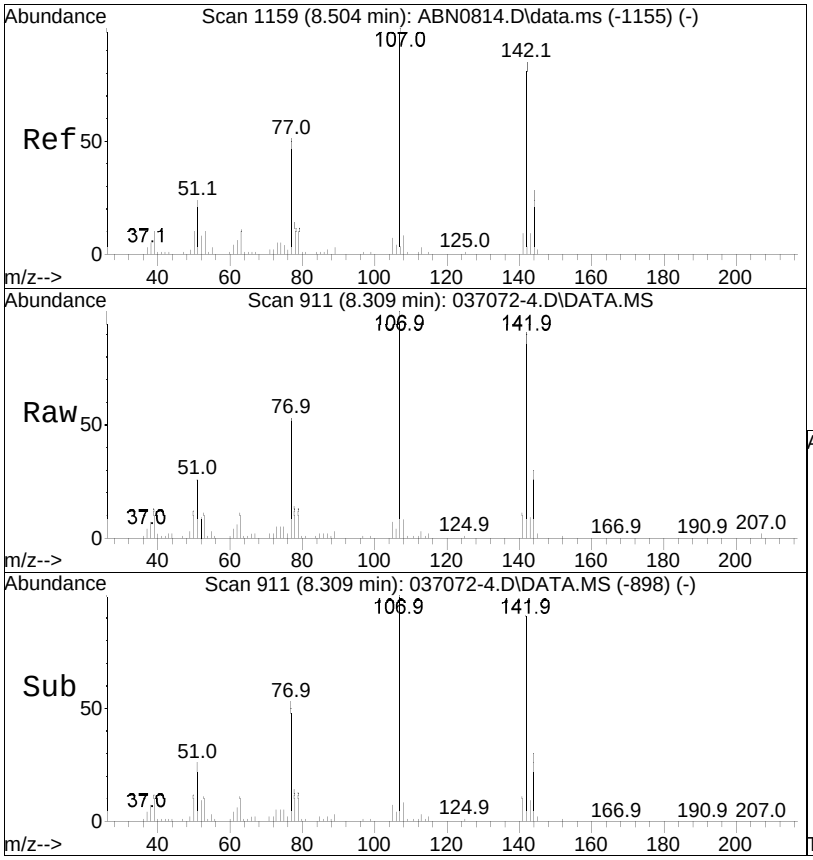


#38
4-Chloroaniline
Concen: 1.87 ug/ml M3
RT: 7.775 min Scan# 842
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 65 Resp: 16889

Ion	Ratio	Lower	Upper
65	100		
127	411.9	237.6	356.4#
129	131.0	76.3	114.5#

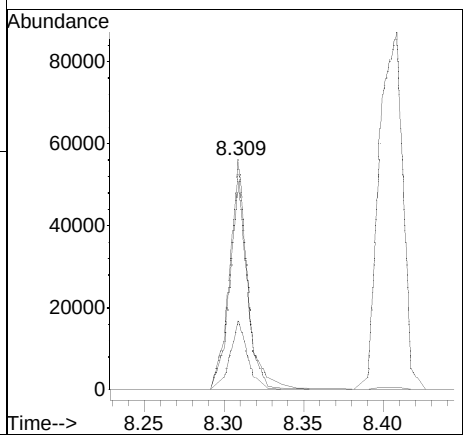


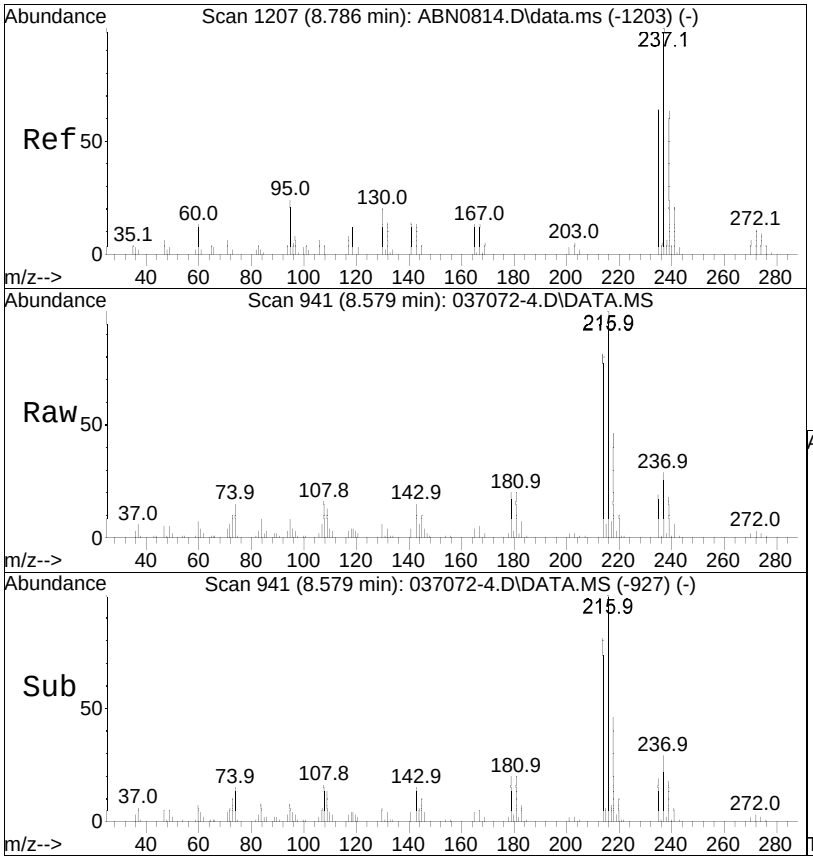


#40
p-Chloro-m-cresol
Concen: 2.36 ug/ml
RT: 8.309 min Scan# 911
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:107 Resp: 44783

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.9	31.3
142	87.1	66.1	99.1

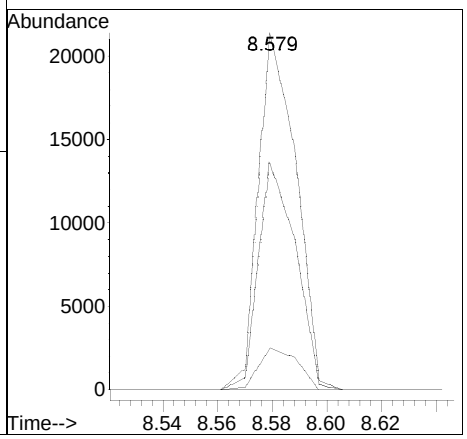


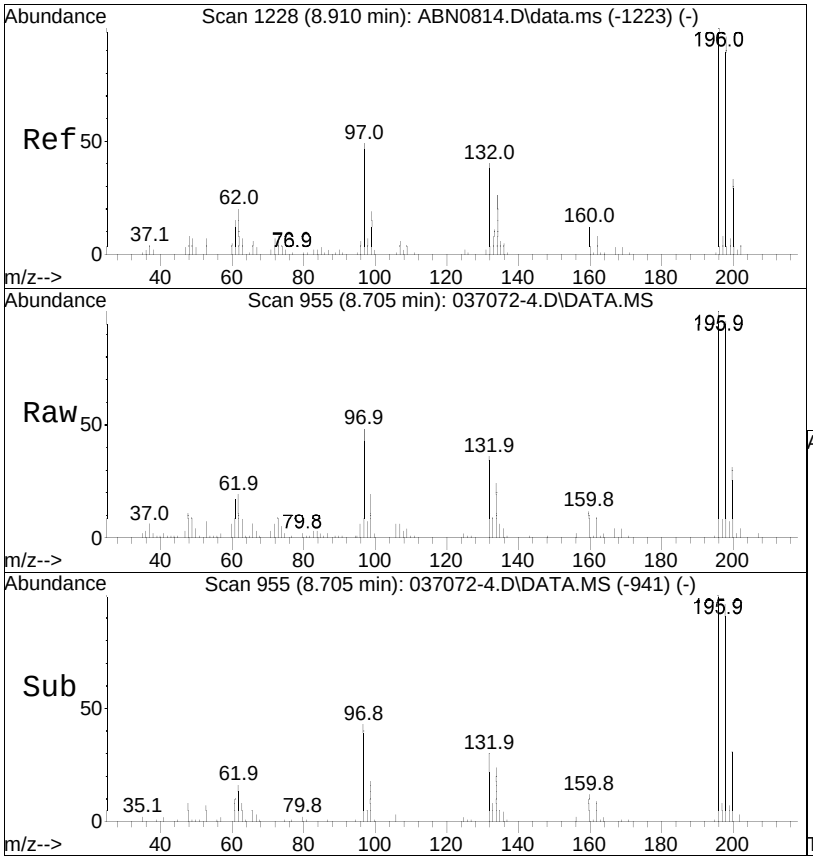


#43
Hexachlorocyclopentadiene
Concen: 1.06 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:237 Resp: 20384

Ion	Ratio	Lower	Upper
237	100		
235	63.1	49.7	74.5
272	12.3	9.8	14.6

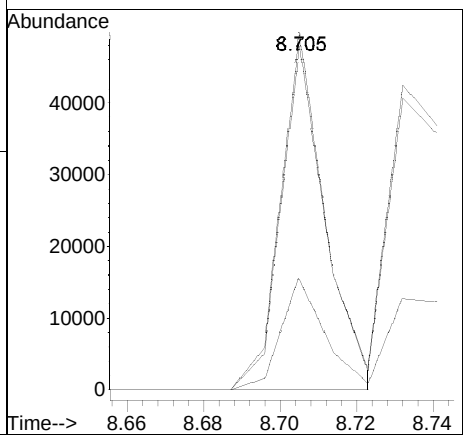


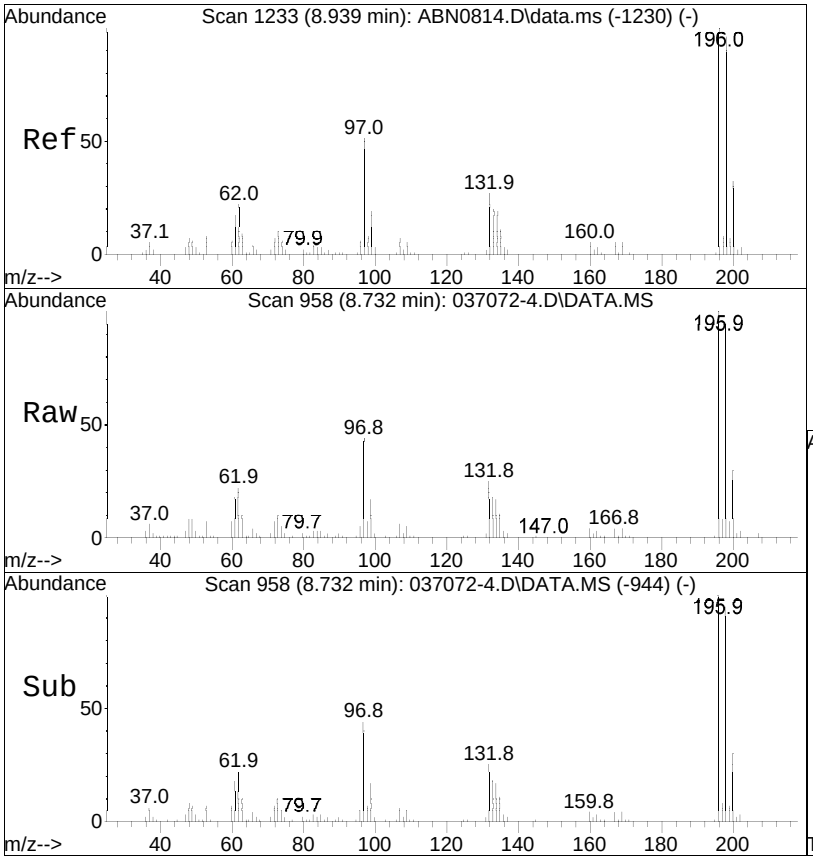


#44
2,4,6-Trichlorophenol
Concen: 2.20 ug/ml
RT: 8.705 min Scan# 955
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:196 Resp: 40330

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.5	116.3
200	31.4	23.8	35.6

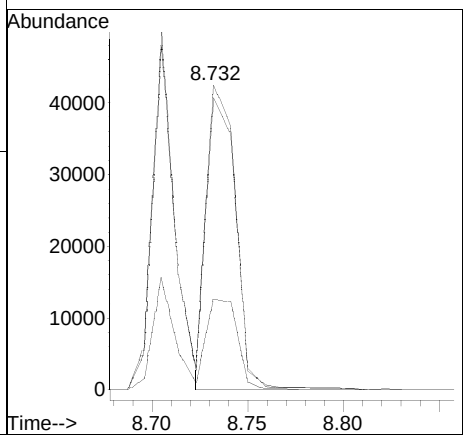


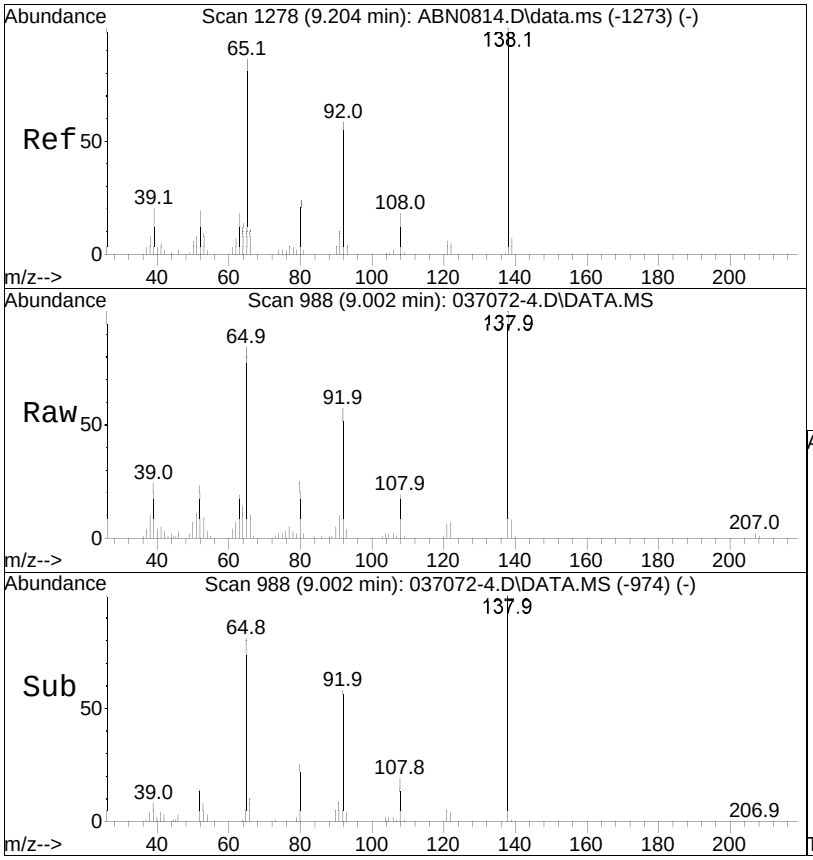


#45
2,4,5-Trichlorophenol
Concen: 2.37 ug/ml
RT: 8.732 min Scan# 958
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:196 Resp: 45367

Ion	Ratio	Lower	Upper
196	100		
200	31.5	25.4	38.0
198	96.5	78.0	117.0

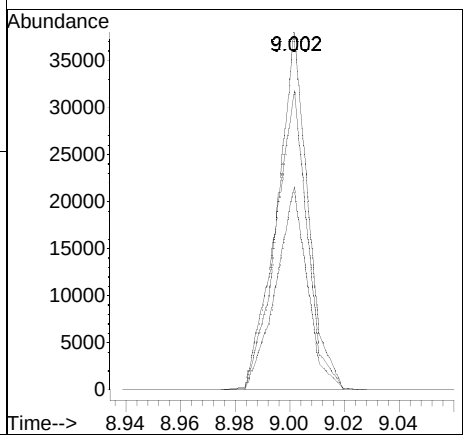


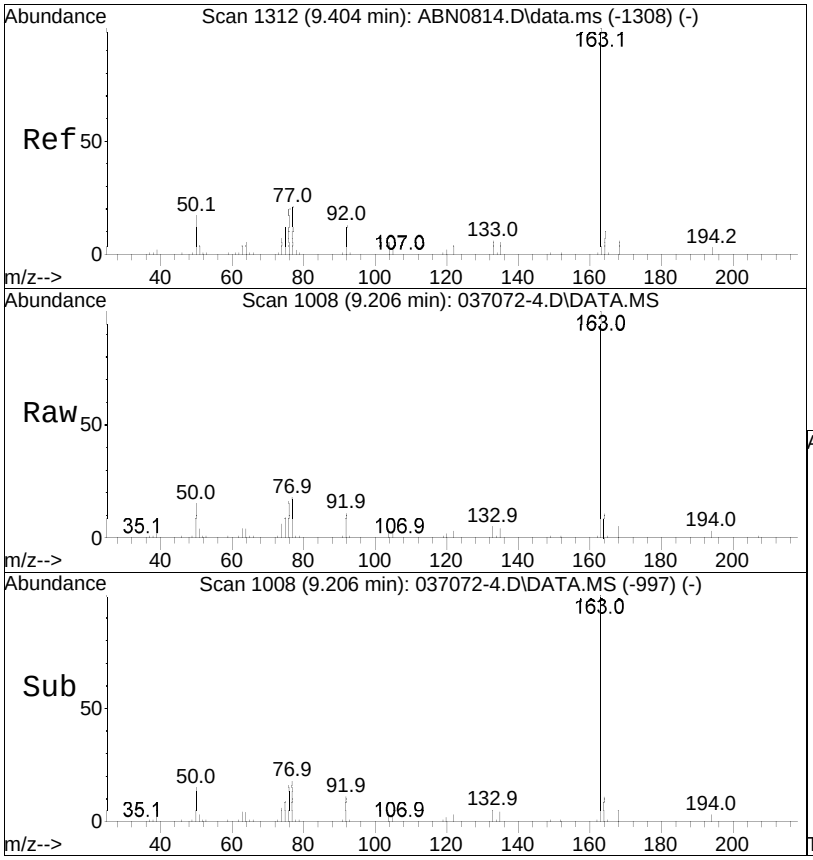


#48
2-Nitroaniline
Concen: 2.16 ug/ml
RT: 9.002 min Scan# 988
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:138 Resp: 29048

Ion	Ratio	Lower	Upper
138	100		
92	58.9	53.5	80.3
65	89.9	86.3	129.5

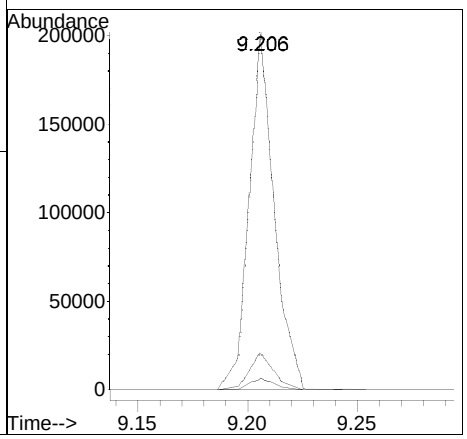


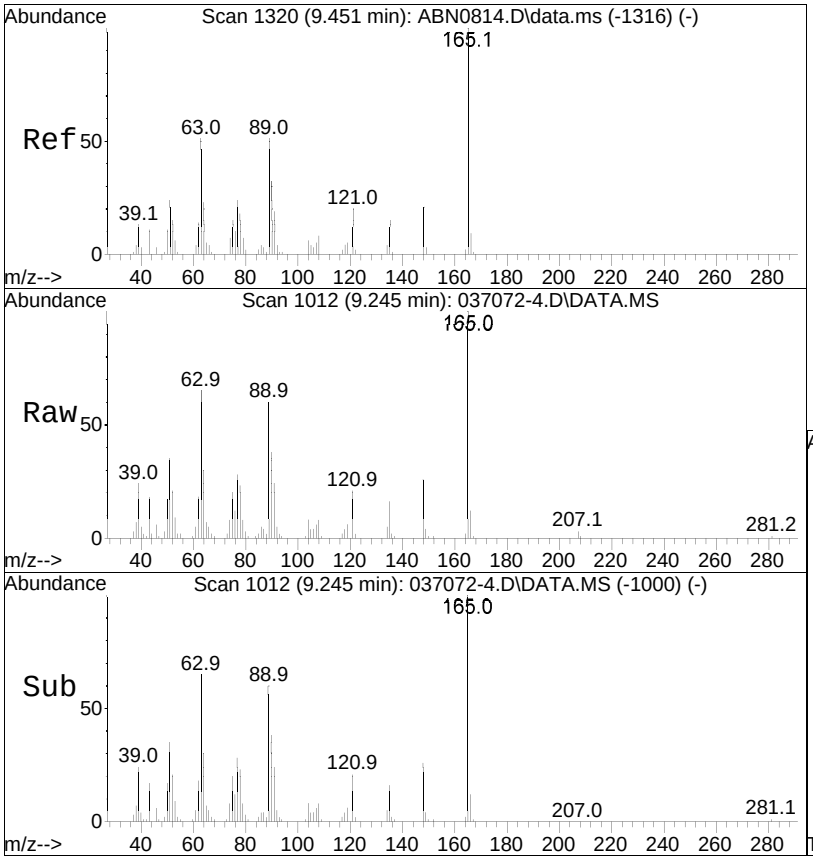


#51
Dimethyl phthalate
Concen: 2.35 ug/ml
RT: 9.206 min Scan# 1008
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:163 Resp: 157265

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	10.2	7.9	11.9

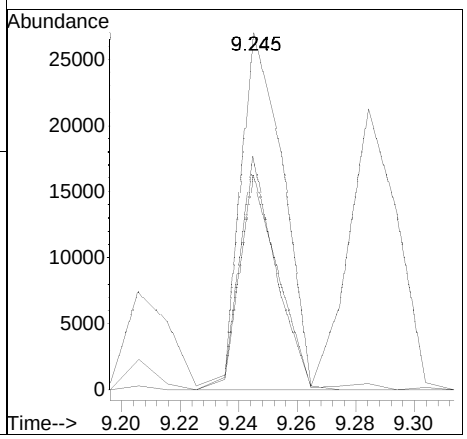


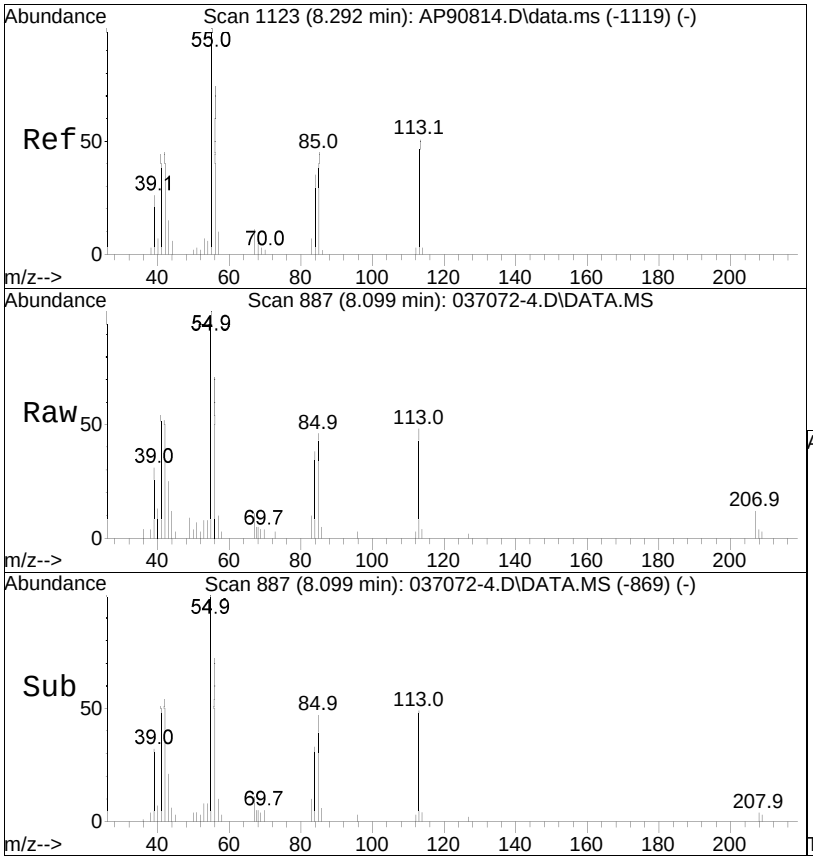


#53
2,6-Dinitrotoluene
Concen: 2.17 ug/ml
RT: 9.245 min Scan# 1012
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:165 Resp: 27125

Ion	Ratio	Lower	Upper
165	100		
89	56.8	54.2	81.2
63	56.1	64.2	96.2#

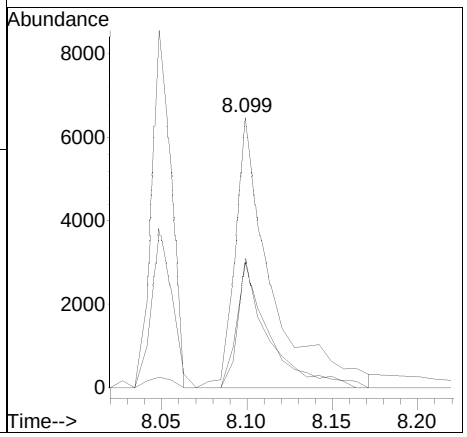


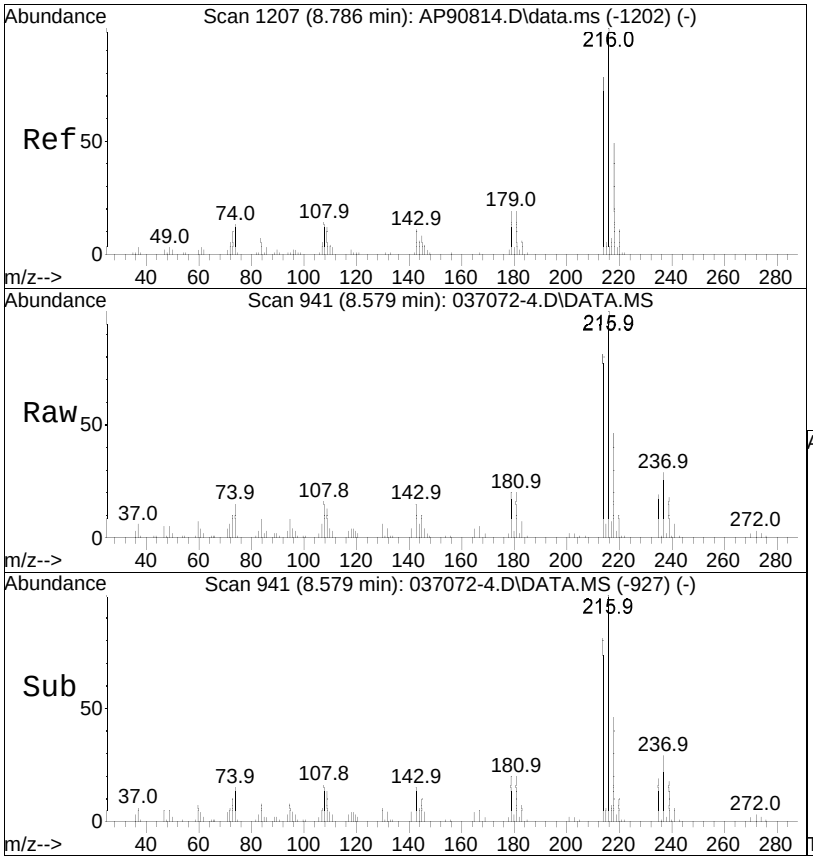


#60
Caprolactam
Concen: 1.26 ug/ml
RT: 8.099 min Scan# 887
Delta R.T. 0.007 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 55 Resp: 9575

Ion	Ratio	Lower	Upper
55	100		
85	41.7	19.8	29.6#
113	40.0	29.6	44.4

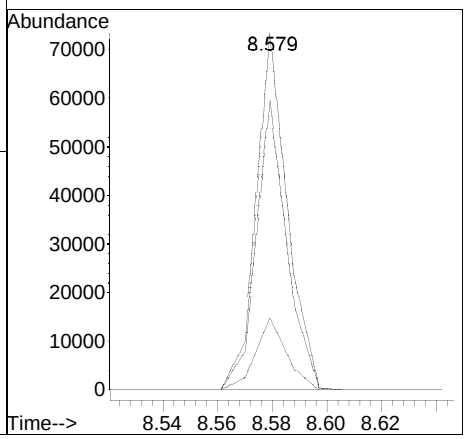


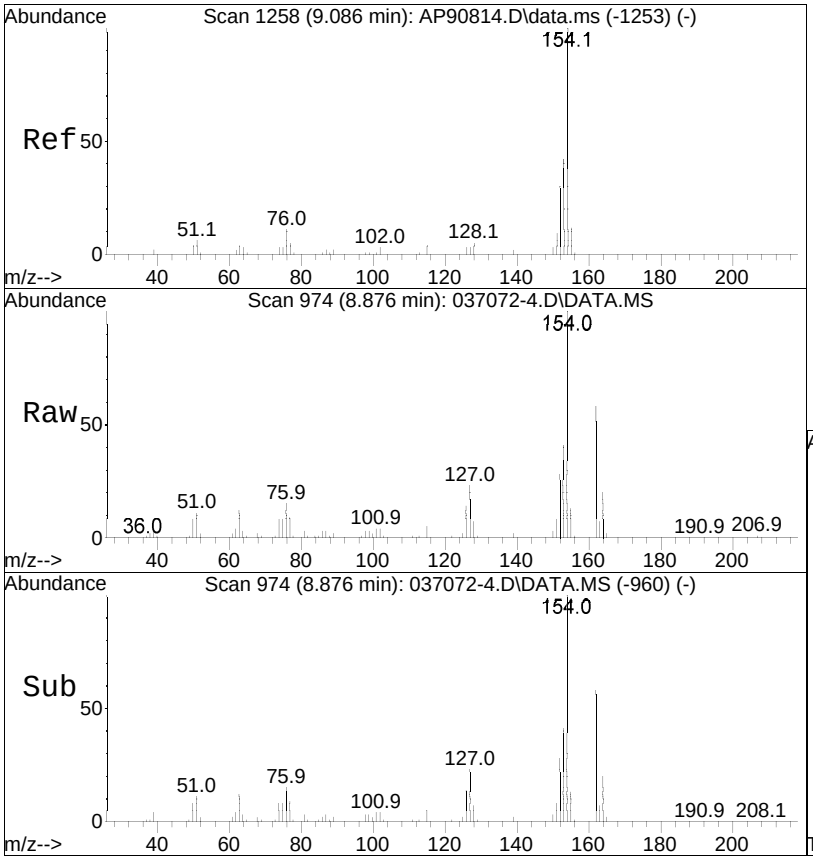


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.94 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:216 Resp: 57685

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.7	95.5
179	20.2	19.0	28.6

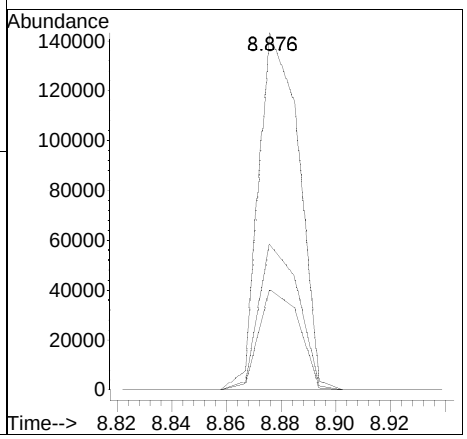


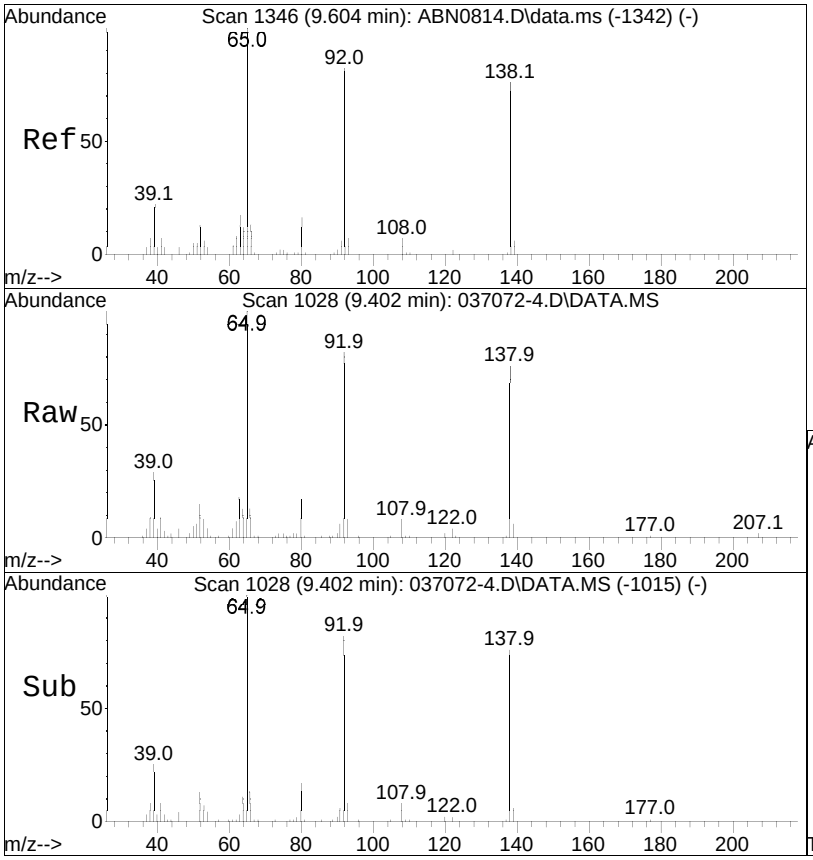


#62
Biphenyl
Concen: 2.16 ug/ml
RT: 8.876 min Scan# 974
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:154 Resp: 145498

Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.3	48.5
152	28.3	22.5	33.7

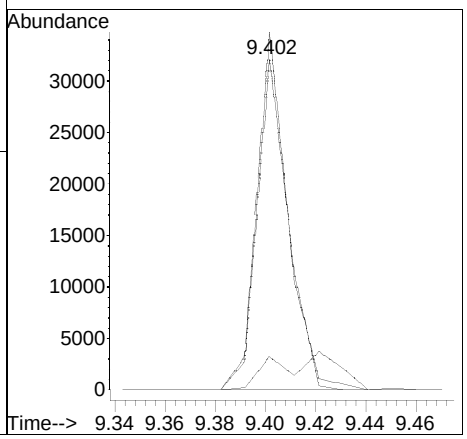


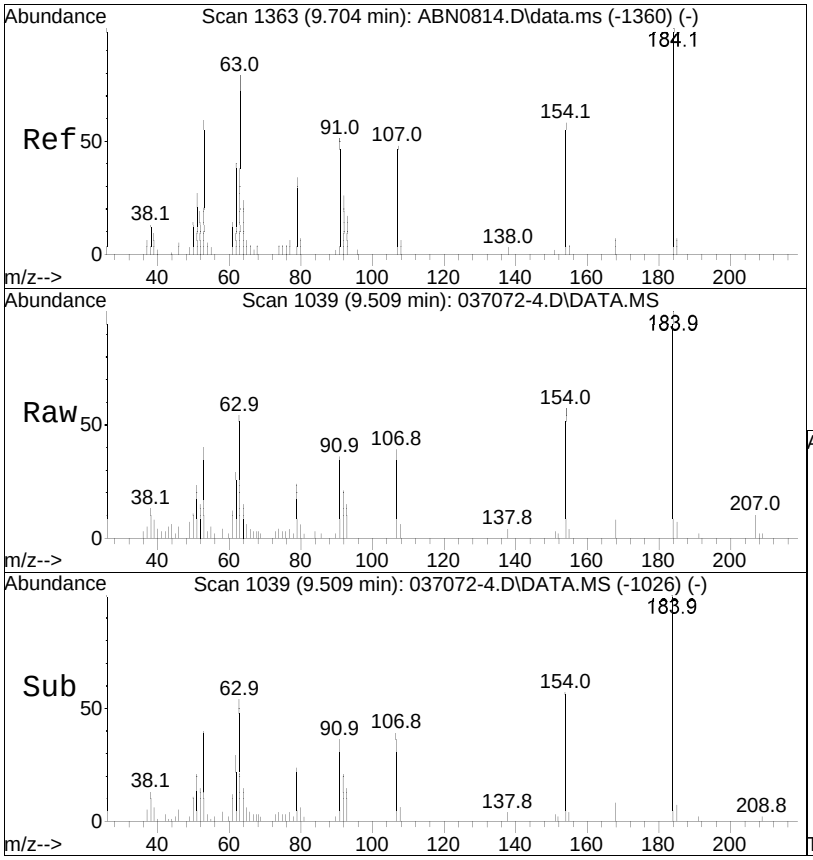


#64
3-Nitroaniline
Concen: 2.34 ug/ml
RT: 9.402 min Scan# 1028
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:138 Resp: 27408

Ion	Ratio	Lower	Upper
138	100		
92	107.3	93.4	140.2
108	22.8	9.5	14.3#

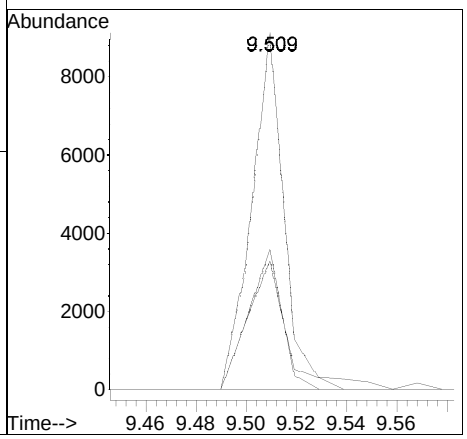


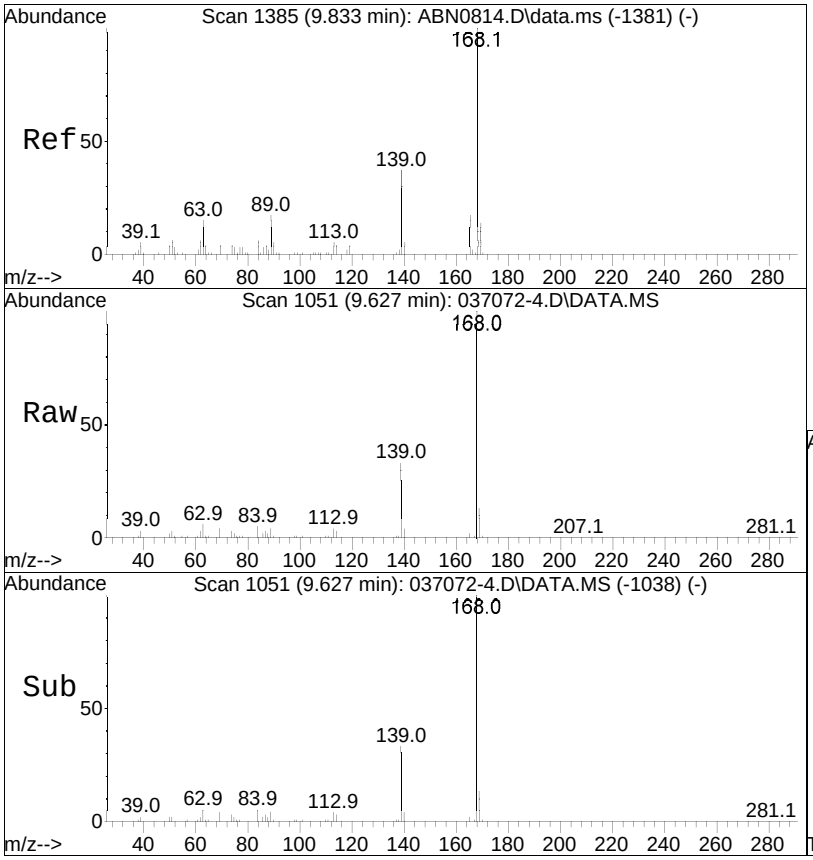


#66
2,4-Dinitrophenol
Concen: 1.47 ug/ml
RT: 9.509 min Scan# 1039
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:184 Resp: 8054

Ion	Ratio	Lower	Upper
184	100		
107	41.0	37.7	56.5
91	46.7	46.3	69.5

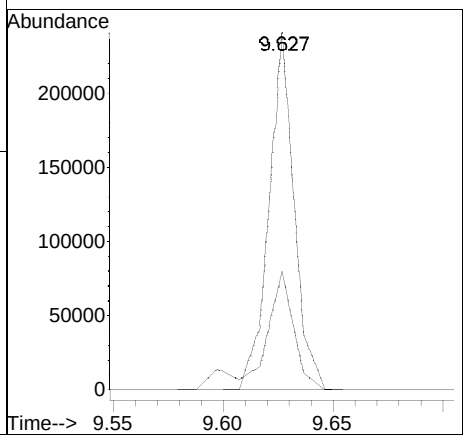


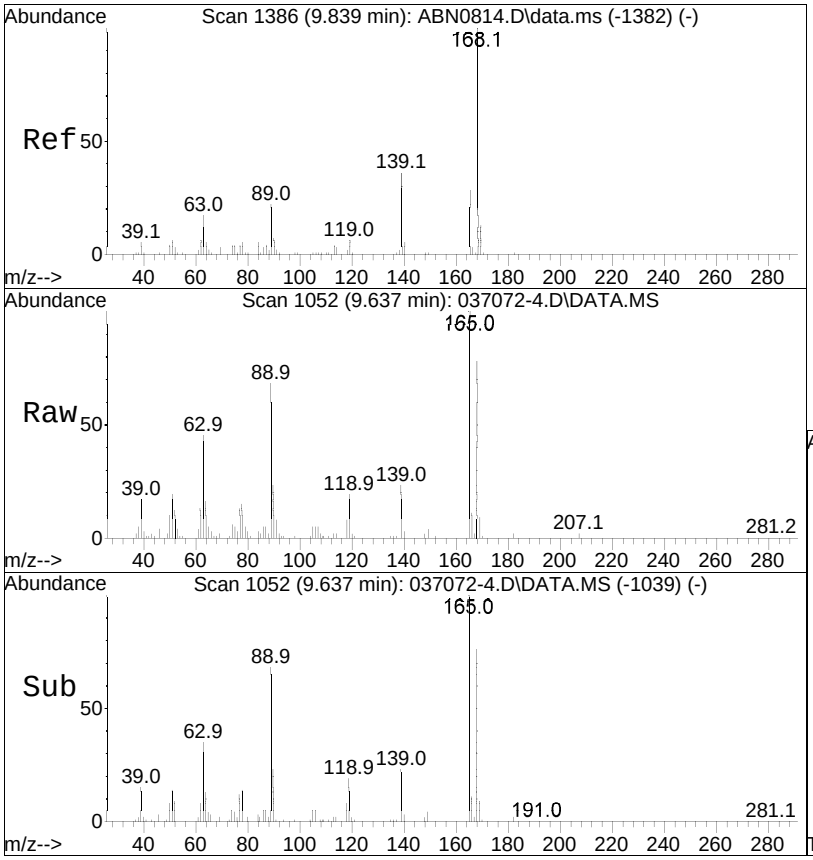


#67
Dibenzofuran
Concen: 2.27 ug/ml
RT: 9.627 min Scan# 1051
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:168 Resp: 188656

Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.4	47.2

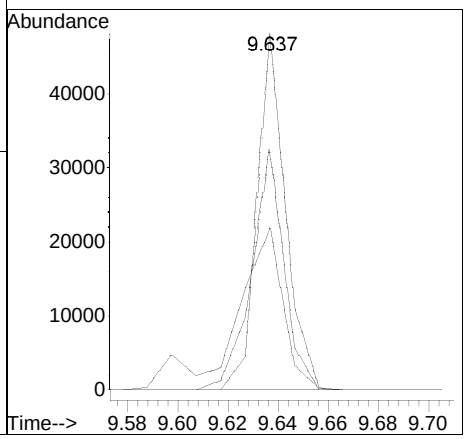


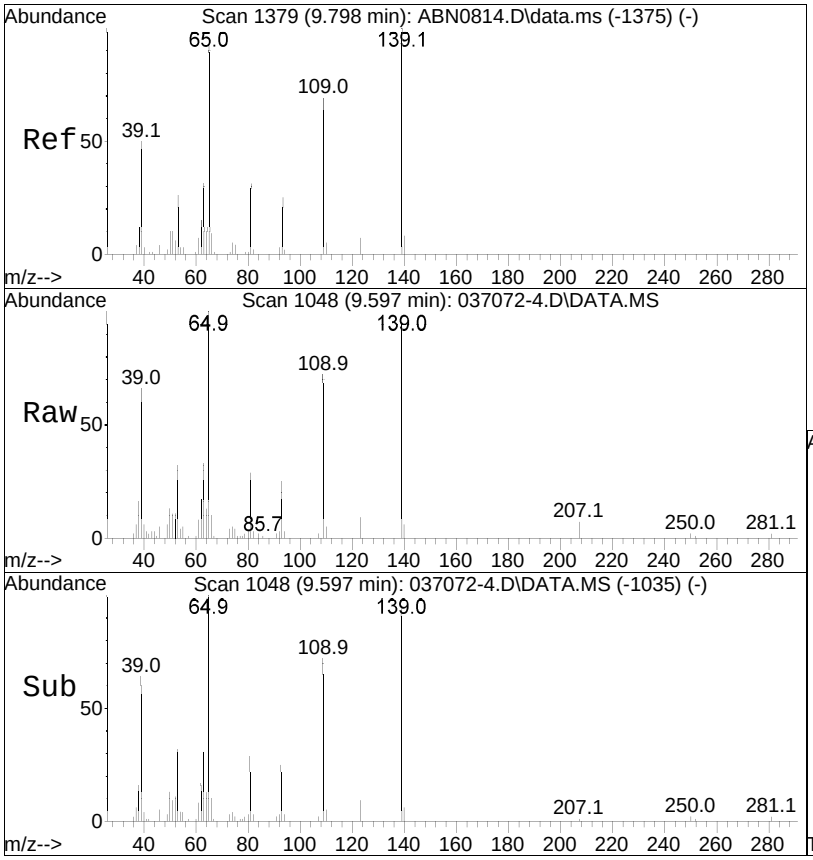


#68
2,4-Dinitrotoluene
Concen: 2.22 ug/ml
RT: 9.637 min Scan# 1052
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:165 Resp: 37730

Ion	Ratio	Lower	Upper
165	100		
89	76.8	72.0	108.0
63	76.4	52.7	79.1

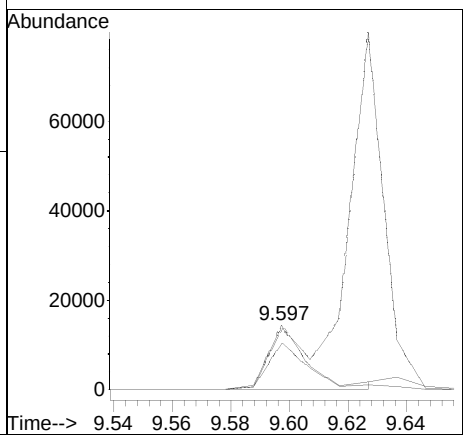


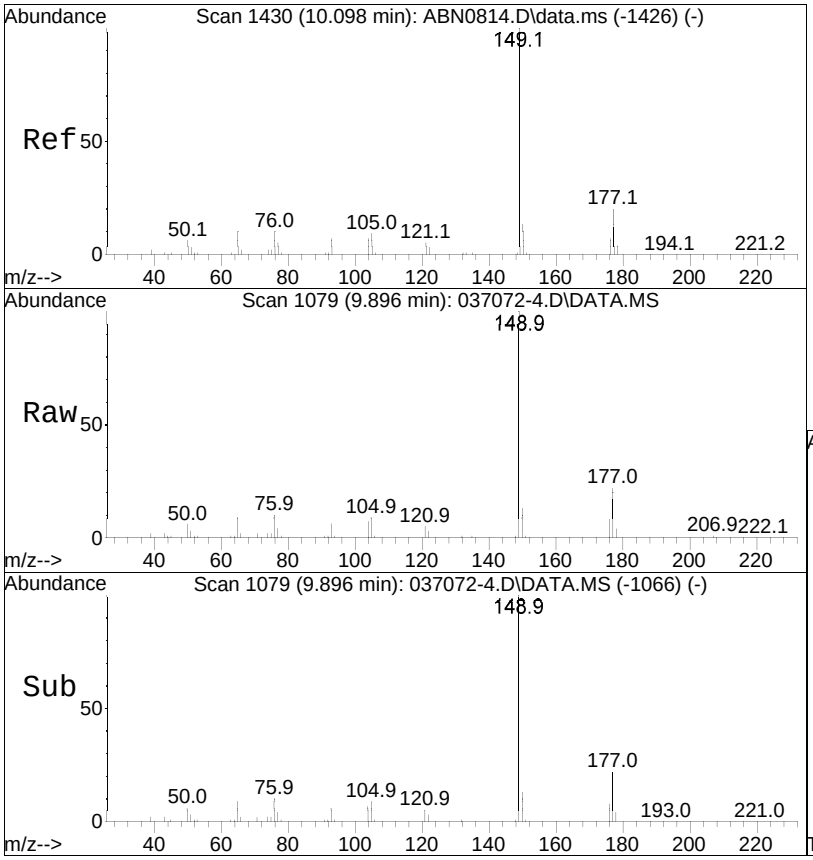


#69
4-Nitrophenol
Concen: 1.49 ug/ml
RT: 9.597 min Scan# 1048
Delta R.T. -0.000 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion: 65 Resp: 13406

Ion	Ratio	Lower	Upper
65	100		
109	78.5	47.4	71.2#
139	561.0	76.6	115.0#

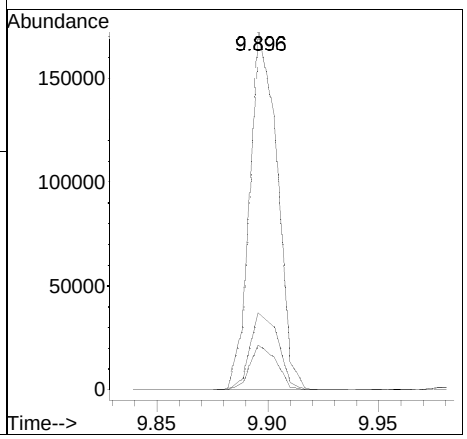


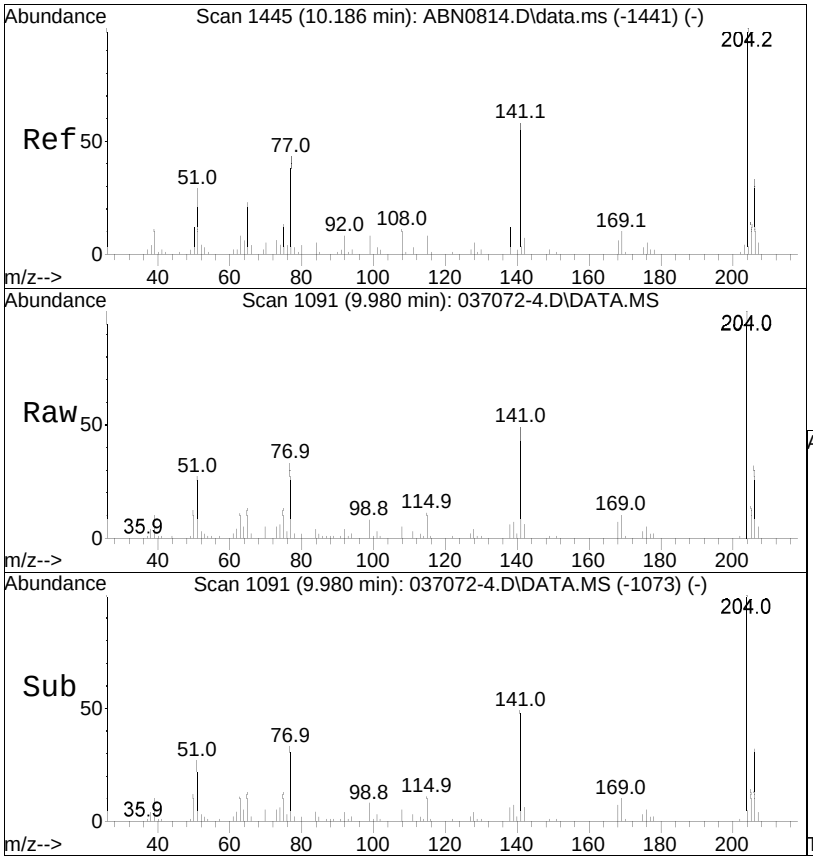


#72
Diethyl phthalate
Concen: 2.45 ug/ml
RT: 9.896 min Scan# 1079
Delta R.T. -0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:149 Resp: 147007

Ion	Ratio	Lower	Upper
149	100		
177	22.2	16.1	24.1
150	12.3	9.4	14.2

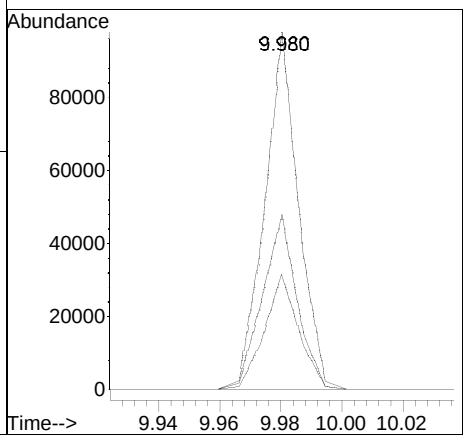


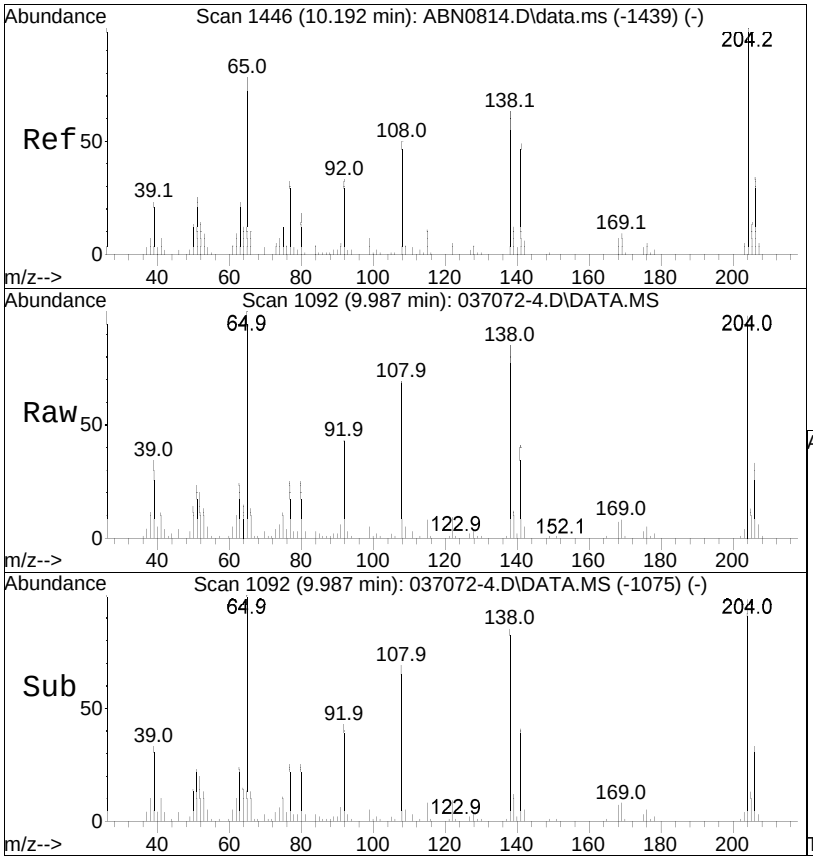


#74
4-Chlorophenyl phenyl ether
Concen: 2.25 ug/ml
RT: 9.980 min Scan# 1091
Delta R.T. 0.003 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:204 Resp: 74104

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	50.2	53.6	80.4#

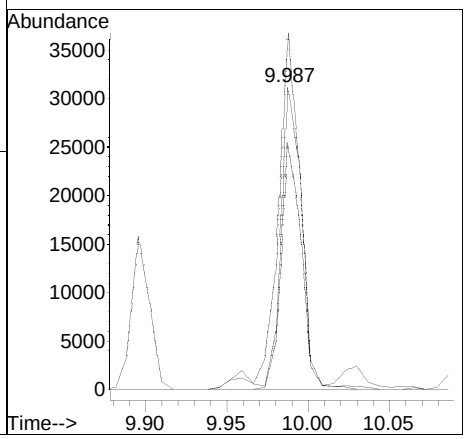


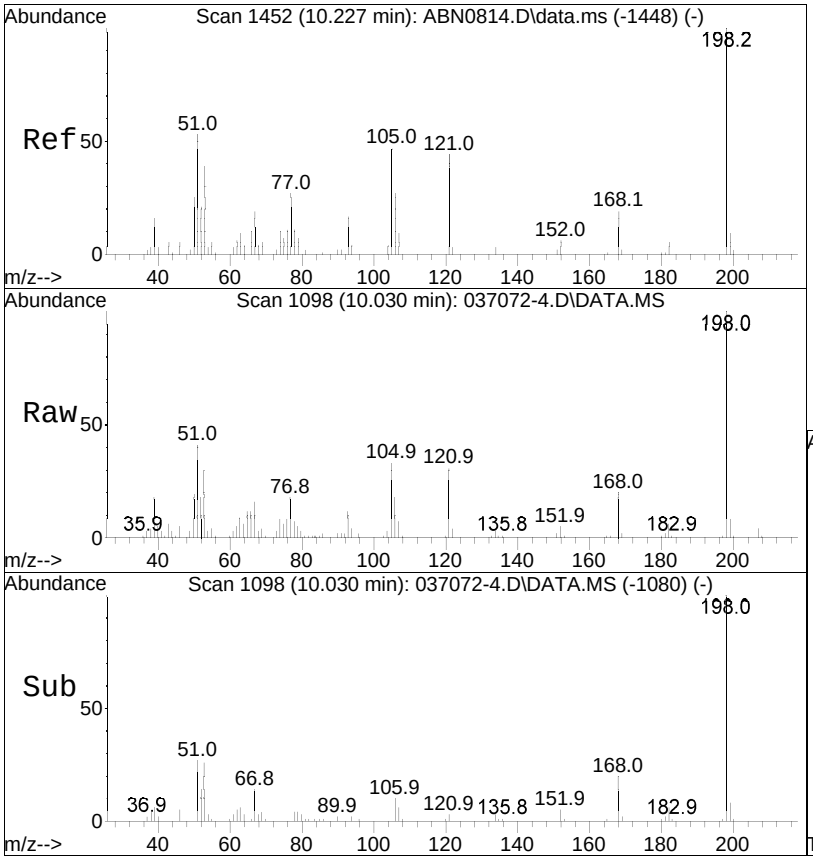


#75
4-Nitroaniline
Concen: 2.61 ug/ml
RT: 9.987 min Scan# 1092
Delta R.T. -0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:138 Resp: 28870

Ion	Ratio	Lower	Upper
138	100		
108	76.5	52.1	78.1
65	119.4	115.0	172.6

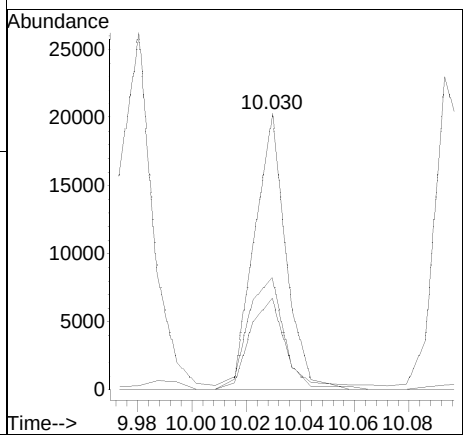


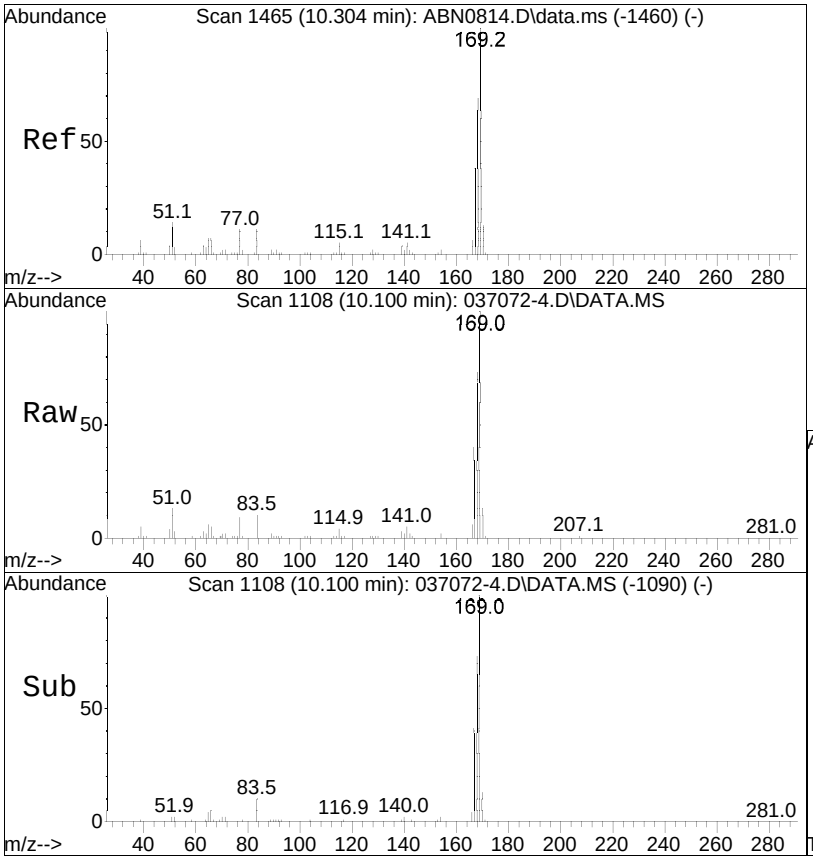


#76
4,6-Dinitro-o-cresol
Concen: 1.93 ug/ml
RT: 10.030 min Scan# 1098
Delta R.T. 0.003 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:198 Resp: 16408

Ion	Ratio	Lower	Upper
198	100		
51	43.7	76.0	114.0#
105	37.3	45.6	68.4#

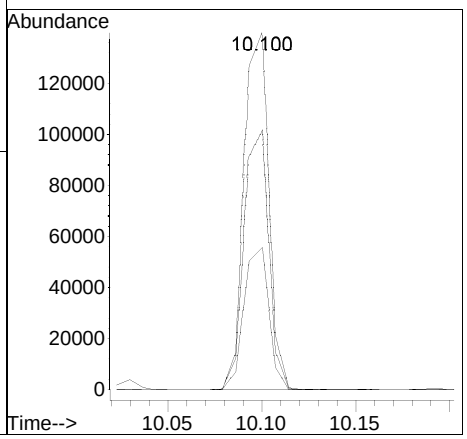


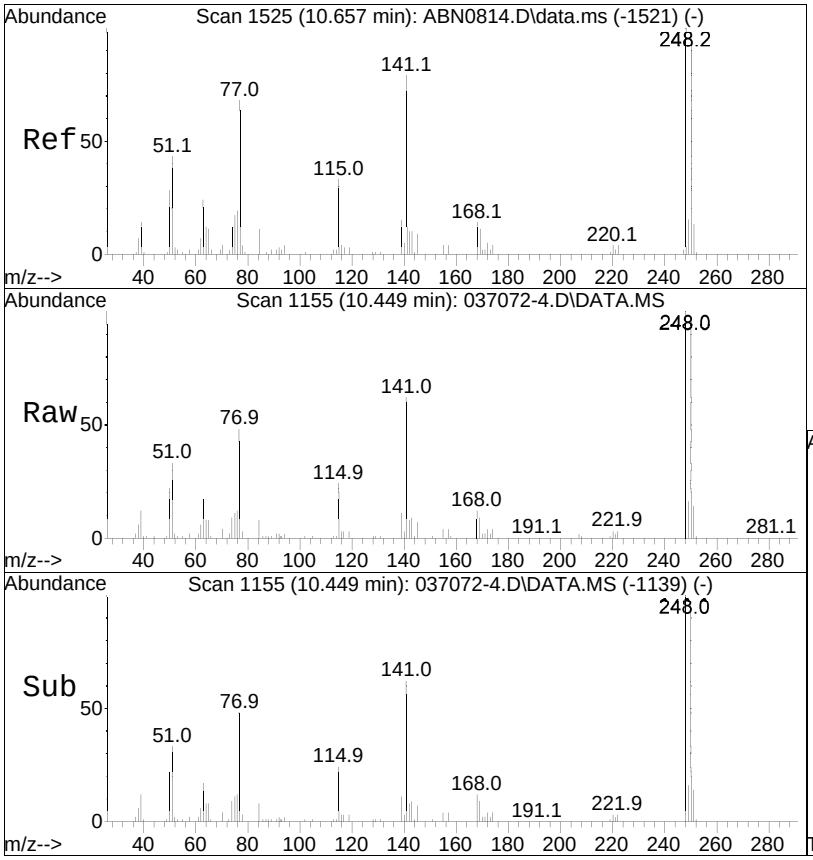


#77
NDPA/DPA
Concen: 2.39 ug/ml
RT: 10.100 min Scan# 1108
Delta R.T. 0.003 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:169 Resp: 128990

Ion	Ratio	Lower	Upper
169	100		
168	72.6	54.0	81.0
167	40.3	28.6	42.8

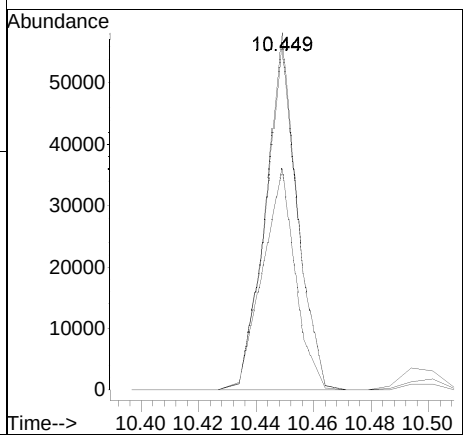


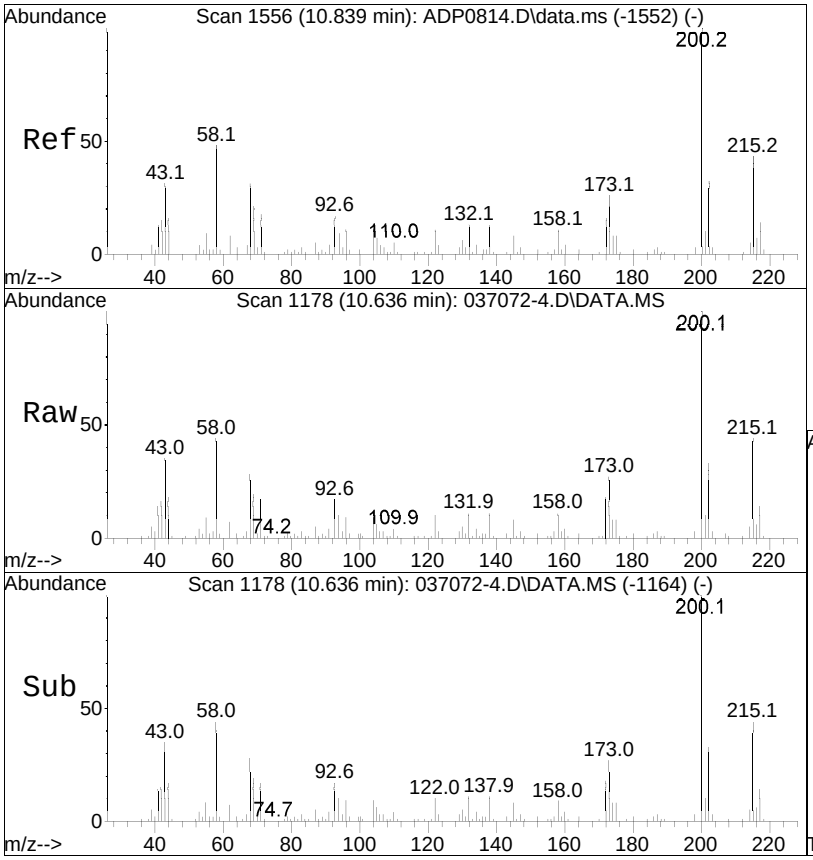


#80
4-Bromophenyl phenyl ether
Concen: 2.25 ug/ml
RT: 10.449 min Scan# 1155
Delta R.T. 0.003 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:248 Resp: 44446

Ion	Ratio	Lower	Upper
248	100		
141	64.5	76.6	114.8#
250	97.4	77.3	115.9

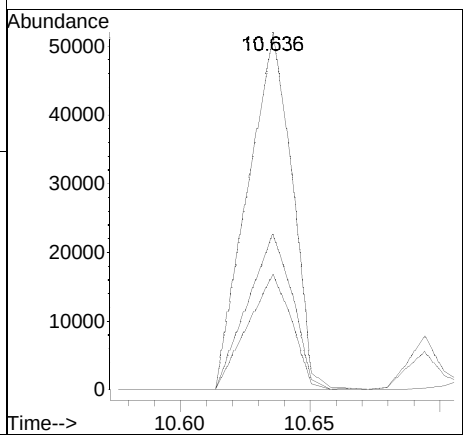


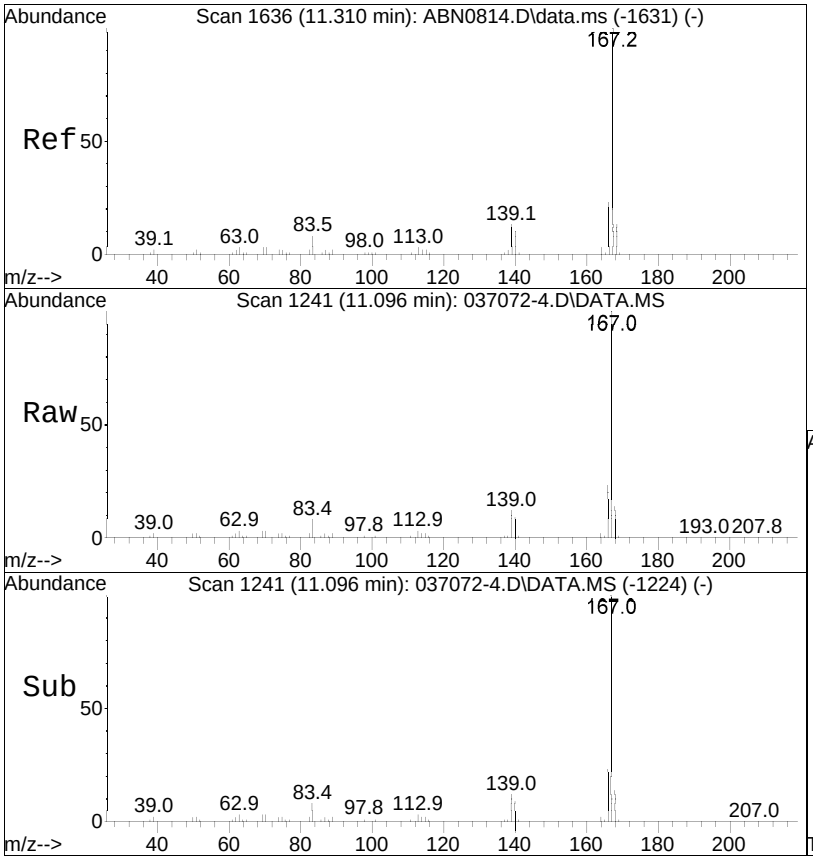


#87
Atrazine
Concen: 2.98 ug/ml
RT: 10.636 min Scan# 1178
Delta R.T. -0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:200 Resp: 49067

Ion	Ratio	Lower	Upper
200	100		
202	33.2	25.8	38.6
215	43.1	40.2	60.4

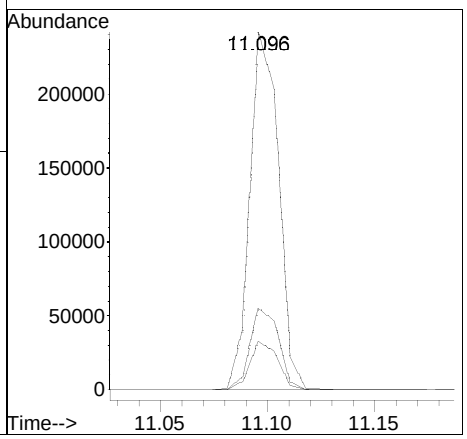


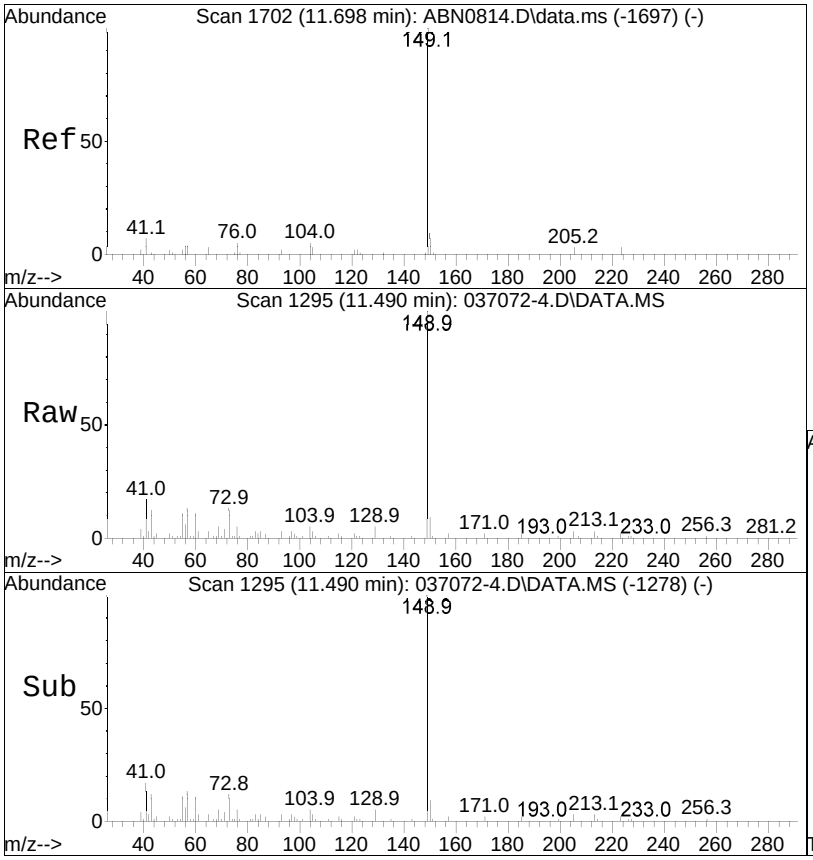


#91
Carbazole
Concen: 2.43 ug/ml
RT: 11.096 min Scan# 1241
Delta R.T. -0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:167 Resp: 223799

Ion	Ratio	Lower	Upper
167	100		
168	13.4	10.6	15.8
166	22.9	17.4	26.0

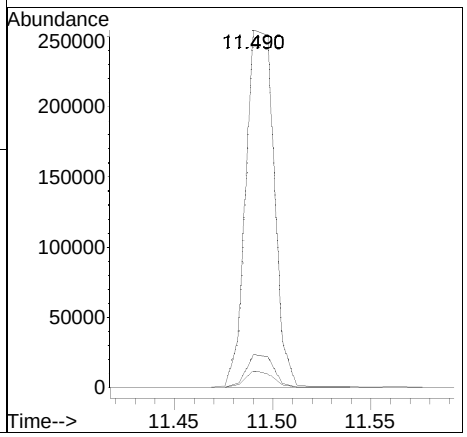


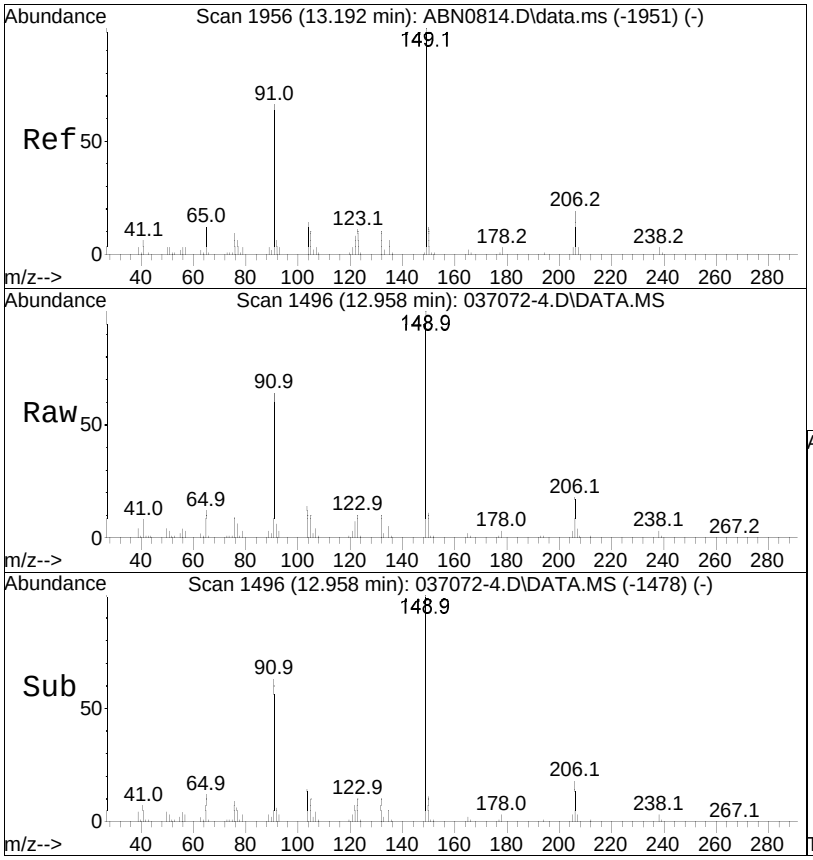


#92
Di-n-butylphthalate
Concen: 2.68 ug/ml
RT: 11.490 min Scan# 1295
Delta R.T. -0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:149 Resp: 252736

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.6	4.5	6.7

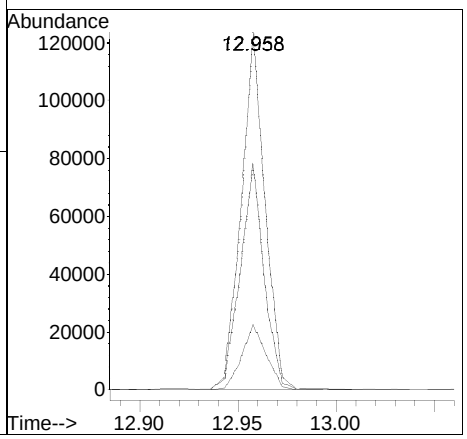


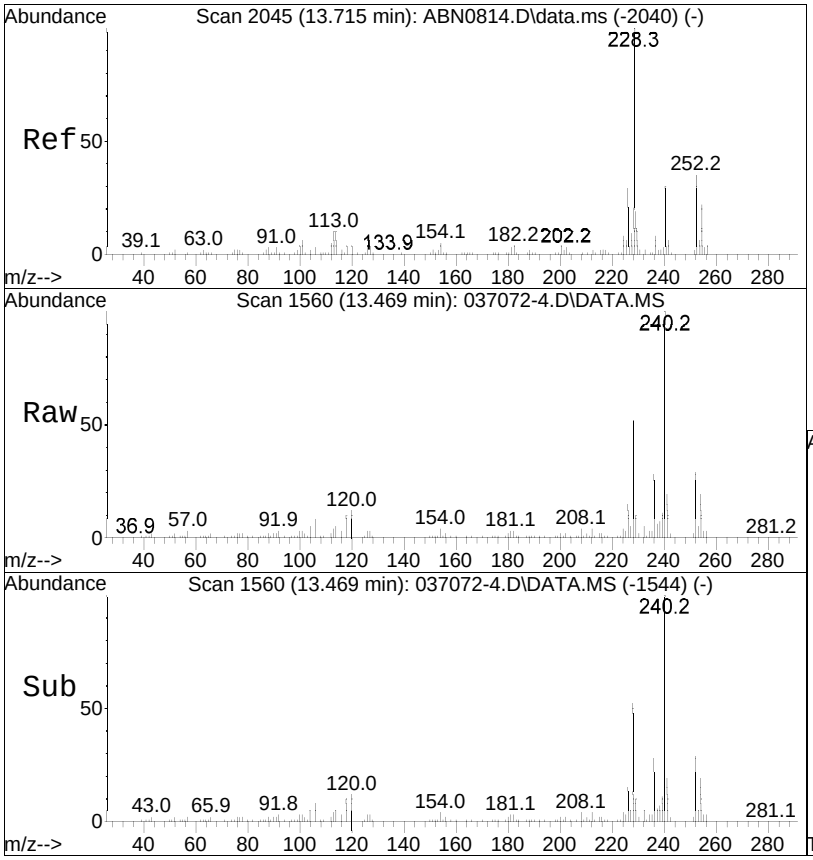


#97
Butyl benzyl phthalate
Concen: 2.46 ug/ml
RT: 12.958 min Scan# 1496
Delta R.T. 0.003 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:149 Resp: 102294

Ion	Ratio	Lower	Upper
149	100		
91	63.6	63.3	94.9
206	19.0	13.9	20.9

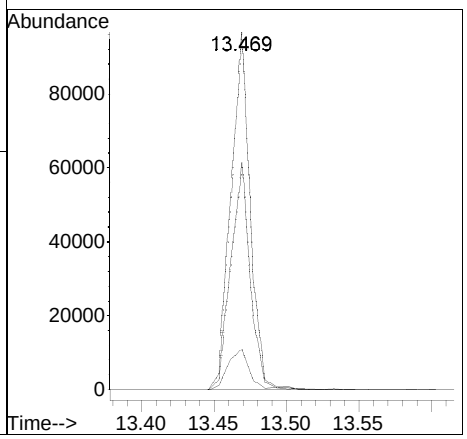


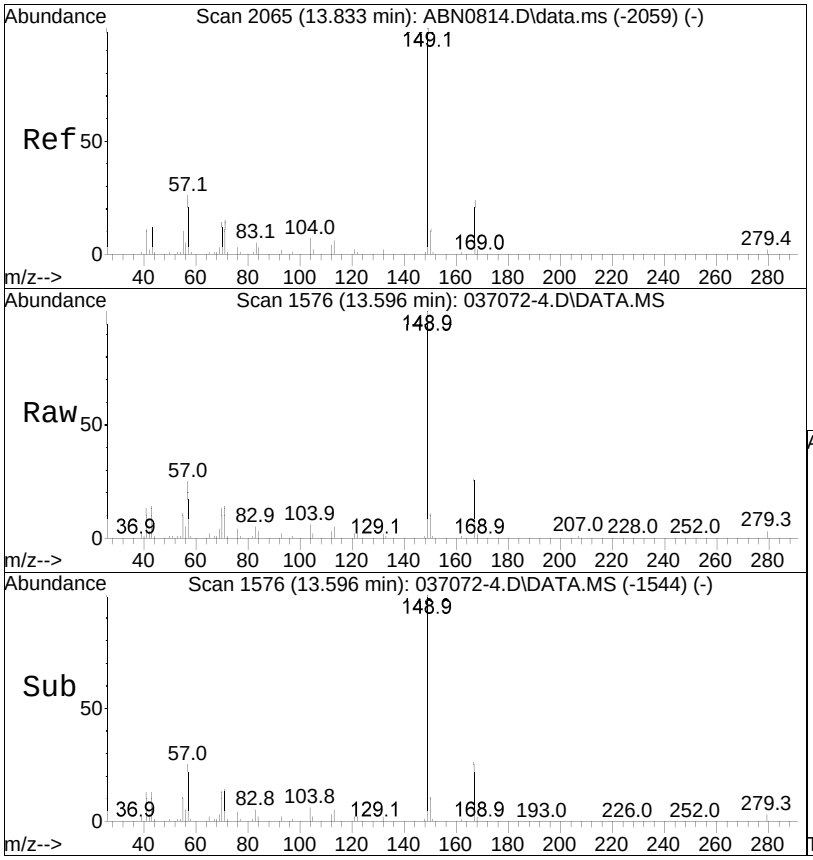


#106
3,3'-Dichlorobenzidine
Concen: 2.56 ug/ml
RT: 13.469 min Scan# 1560
Delta R.T. 0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:252 Resp: 88845

Ion	Ratio	Lower	Upper
252	100		
126	13.6	14.5	21.7#
254	64.0	51.2	76.8

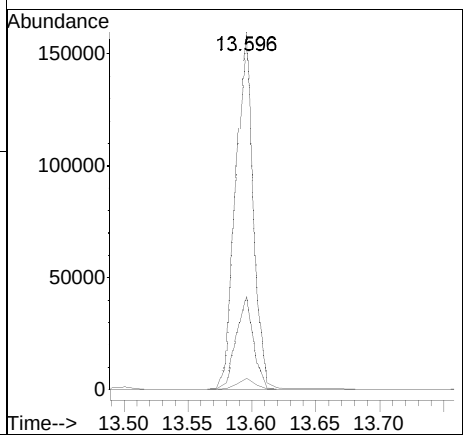


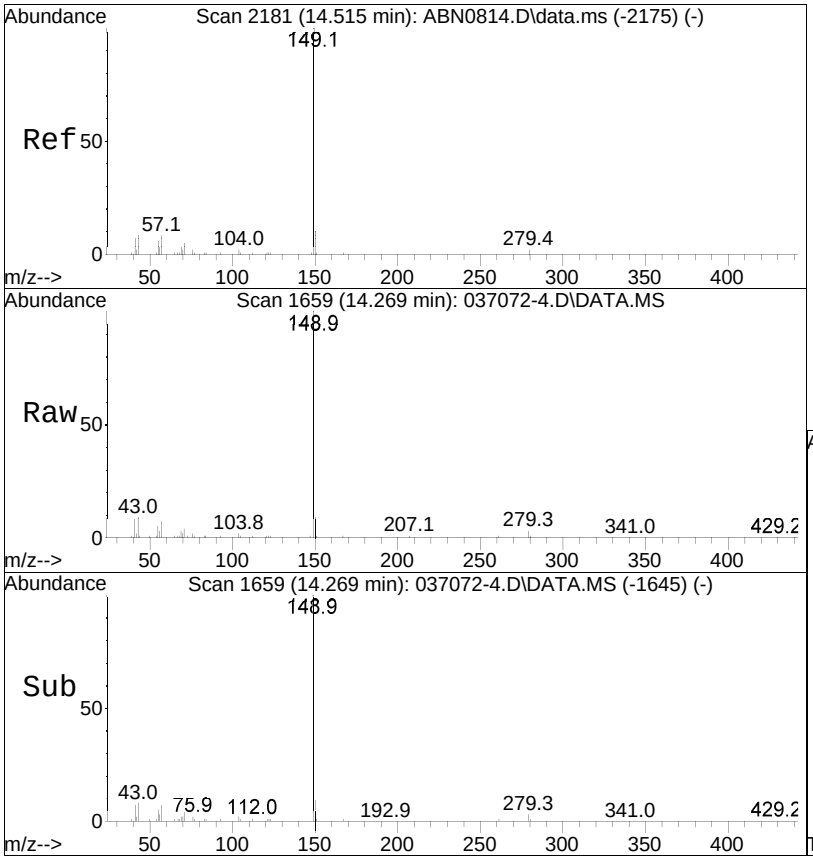


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.59 ug/ml
RT: 13.596 min Scan# 1576
Delta R.T. 0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:149 Resp: 151424

Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.1	33.1
279	2.9	3.0	4.4#

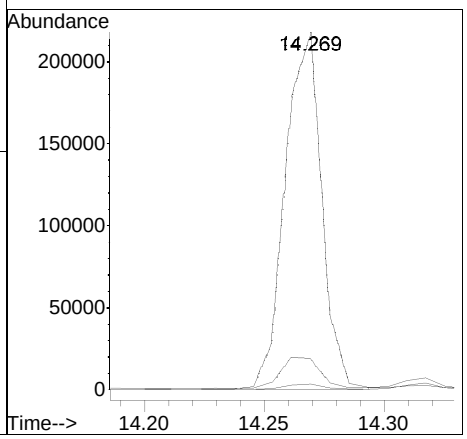




#109
Di-n-octylphthalate
Concen: 2.51 ug/ml
RT: 14.269 min Scan# 1659
Delta R.T. 0.004 min
Lab File: 037072-4.D
Acq: 6 Mar 2025 4:34 pm

Tgt Ion:149 Resp: 227708

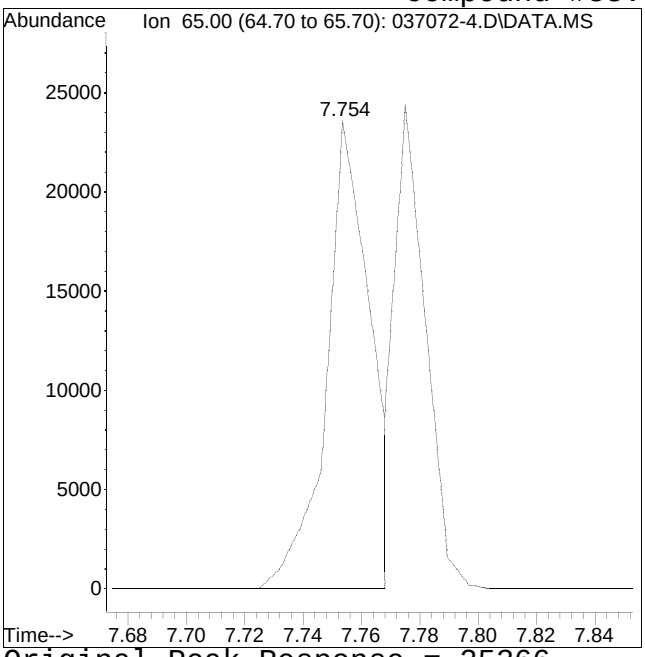
Ion	Ratio	Lower	Upper
149	100		
43	9.8	18.8	28.2#
167	1.5	1.3	1.9

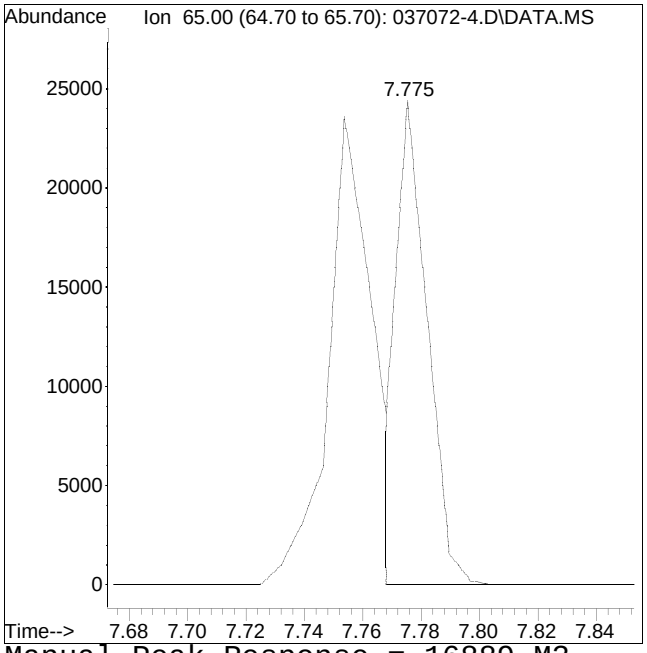


Manual Integration Report

Data Path : I:\8270\SV107\250306RVT\ QMethod : FS250303SV107RVT.m
Data File : 037072-4.D Operator : SV107:slr
Date Inj'd : 3/6/2025 4:34 pm Instrument : SV107
Sample : WG2037072-4,32,,gmr Quant Date : 3/6/2025 4:53 pm

Compound #38: 4-Chloroaniline





Original Peak Response = 25366 Manual Peak Response = 16889 M3
M3 = 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:\8270\SV107\250306RVT\
Data File : 037072-5.D
Acq On : 6 Mar 2025 5:00 pm
Operator : SV107:slr
Sample : WG2037072-5,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 10:19:39 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.222	152	82973	4.000	ug/ml		0.00
Standard Area 1 = 108838			Recovery = 76.24%				
27) IS2_1,4-Dichlorobenzen...	6.222	152	82973	4.000	ug/ml		0.00
Standard Area 3 = 113507			Recovery = 73.10%				
35) IS1_Naphthalene-d8	7.660	136	290572	4.000	ug/ml		0.00
Standard Area 1 = 393987			Recovery = 73.75%				
55) IS2_Naphthalene-d8	7.660	136	290572	4.000	ug/ml		0.00
Standard Area 3 = 398927			Recovery = 72.84%				
63) IS1_Acenaphthene-d10	9.422	164	180213	4.000	ug/ml		0.00
Standard Area 1 = 252029			Recovery = 71.50%				
83) IS2_Acenaphthene-d10	9.422	164	180213	4.000	ug/ml		0.00
Standard Area 3 = 250800			Recovery = 71.86%				
86) IS3_Acenaphthene-d10	9.422	164	180213	4.000	ug/ml		0.00
Standard Area 2 = 259991			Recovery = 69.32%				
88) IS1_Phenanthrene-d10	10.855	188	373079	4.000	ug/ml		0.00
Standard Area 1 = 522063			Recovery = 71.46%				
100) IS3_Phenanthrene-d10	10.855	188	373079	4.000	ug/ml	#	0.00
Standard Area 2 = 543463			Recovery = 68.65%				
104) IS1_Chrysene-d12	13.470	240	351239	4.000	ug/ml	#	0.00
Standard Area 1 = 526142			Recovery = 66.76%				
113) IS1_Perylene-d12	14.931	264	361383	4.000	ug/ml		0.00
Standard Area 1 = 513357			Recovery = 70.40%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.186	112	18322	0.870	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.50%				
7) Phenol-d6	5.857	99	19404	0.756	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.80%				
19) Nitrobenzene-d5	6.894	82	20847	0.892	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 89.20%				
46) 2-Fluorobiphenyl	8.786	172	62832	0.881	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 88.10%				
79) 2,4,6-Tribromophenol	10.192	330	11030	1.216	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.80%				
96) 4-Terphenyl-d14	12.432	244	86905	0.966	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 96.60%				

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-5.D
Acq On : 6 Mar 2025 5:00 pm
Operator : SV107:slr
Sample : WG2037072-5,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 10:19:39 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	5.959	128	32926	1.395	ug/ml	96
8) Phenol	5.874	94	25240	0.875	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.624	45	67453	1.795	ug/ml#	63
15) 2-Methylphenol	6.624	108	29984	1.416	ug/ml	97
17) n-Nitrosodi-n-propylamine	6.774	70	32617	1.955	ug/ml	92
18) 3-Methylphenol/4-Methy...	6.811	108	34348	1.537	ug/ml#	97
20) Nitrobenzene	6.917	77	44985	1.903	ug/ml	98
21) Isophorone	7.202	82	84016	1.849	ug/ml	99
22) 2-Nitrophenol	7.277	139	14456	1.291	ug/ml	91
23) 2,4-Dimethylphenol	7.382	107	25024	1.039	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.472	93	71565	2.172	ug/ml	98
25) 2,4-Dichlorophenol	7.545	162	33221	1.357	ug/ml#	90
28) Benzaldehyde	5.636	105	37453	2.103	ug/ml	96
29) Acetophenone	6.736	105	67353	2.206	ug/ml#	88
38) 4-Chloroaniline	7.776	65	14434M3	1.530	ug/ml	
40) p-Chloro-m-cresol	8.310	107	35085	1.768	ug/ml	95
43) Hexachlorocyclopentadiene	8.579	237	18812	0.933	ug/ml	99
44) 2,4,6-Trichlorophenol	8.705	196	24433	1.272	ug/ml	98
45) 2,4,5-Trichlorophenol	8.732	196	27554	1.377	ug/ml	98
48) 2-Nitroaniline	9.002	138	25886	1.835	ug/ml	87
51) Dimethyl phthalate	9.206	163	140272	2.005	ug/ml#	99
53) 2,6-Dinitrotoluene	9.245	165	24278	1.852	ug/ml#	81
60) Caprolactam	8.099	55	9123	1.185	ug/ml#	86
61) 1,2,4,5-Tetrachloroben...	8.579	216	49022	1.577	ug/ml	95
62) Biphenyl	8.876	154	123300	1.751	ug/ml	98
64) 3-Nitroaniline	9.402	138	24652	2.105	ug/ml#	94
66) 2,4-Dinitrophenol	9.510	184	3296	0.726	ug/ml	93
67) Dibenzofuran	9.627	168	159959	1.923	ug/ml	97
68) 2,4-Dinitrotoluene	9.637	165	32539	1.914	ug/ml	88
69) 4-Nitrophenol	9.598	65	8075	0.895	ug/ml#	1
72) Diethyl phthalate	9.896	149	125815	2.096	ug/ml	96
74) 4-Chlorophenyl phenyl ...	9.981	204	62699	1.898	ug/ml#	85
75) 4-Nitroaniline	9.988	138	24860	2.242	ug/ml	83
76) 4,6-Dinitro-o-cresol	10.030	198	9206	1.268	ug/ml#	57
77) NDPA/DPA	10.094	169	87403	1.616	ug/ml	94
80) 4-Bromophenyl phenyl e...	10.449	248	37401	1.890	ug/ml#	83

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-5.D
Acq On : 6 Mar 2025 5:00 pm
Operator : SV107:slr
Sample : WG2037072-5,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 10:19:39 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV107\250306RVT\ABN0306.D
: 2 - I:\8270\SV107\250306RVT\ADP0306.D
: 3 - I:\8270\SV107\250306RVT\AP90306.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	10.636	200	43134	2.643	ug/ml	93
91) Carbazole	11.096	167	196089	2.162	ug/ml	98
92) Di-n-butylphthalate	11.491	149	222129	2.390	ug/ml	99
97) Butyl benzyl phthalate	12.958	149	87760	2.203	ug/ml#	84
106) 3,3'-Dichlorobenzidine	13.470	252	42242	1.194	ug/ml	97
108) Bis(2-ethylhexyl)phtha...	13.596	149	144272	2.431	ug/ml#	97
109) Di-n-octylphthalate	14.270	149	200885	2.232	ug/ml#	73

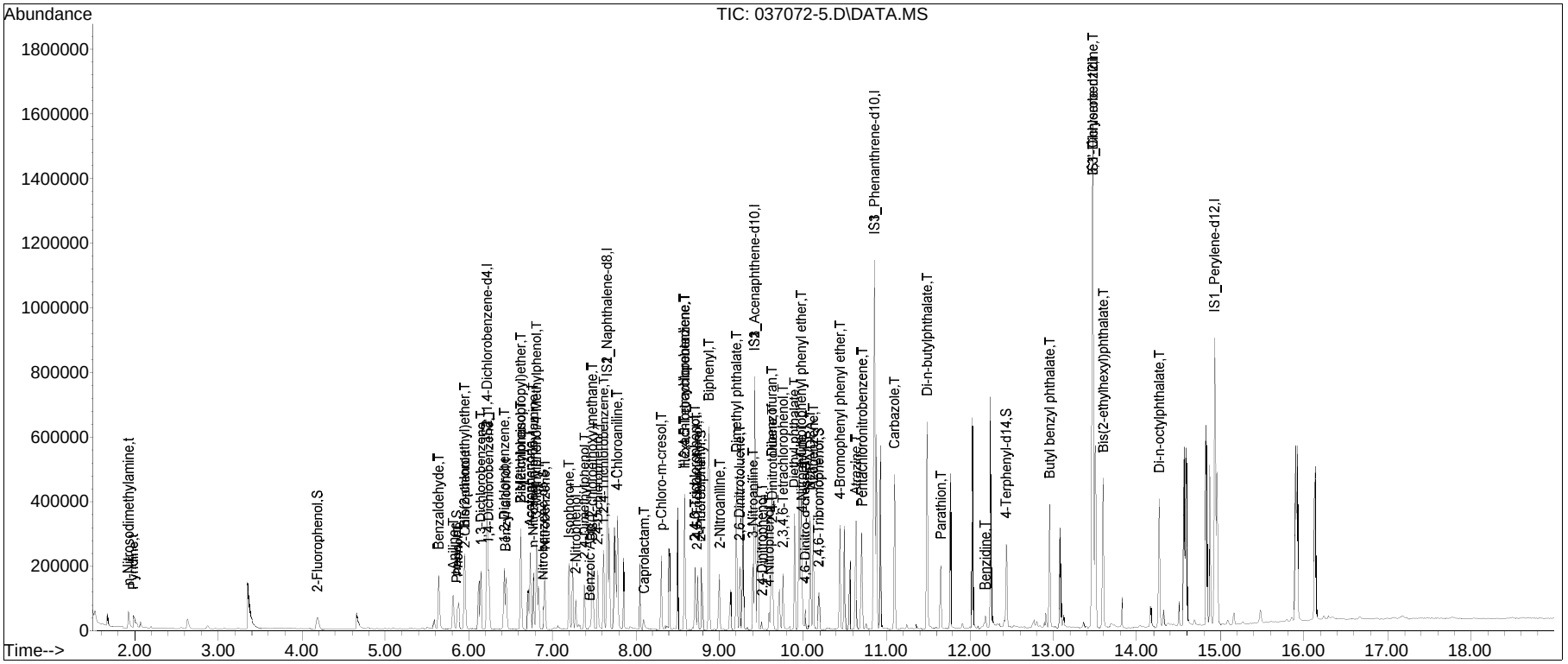
(#) = qualifier out of range (m) = manual integration (+) = signals summed

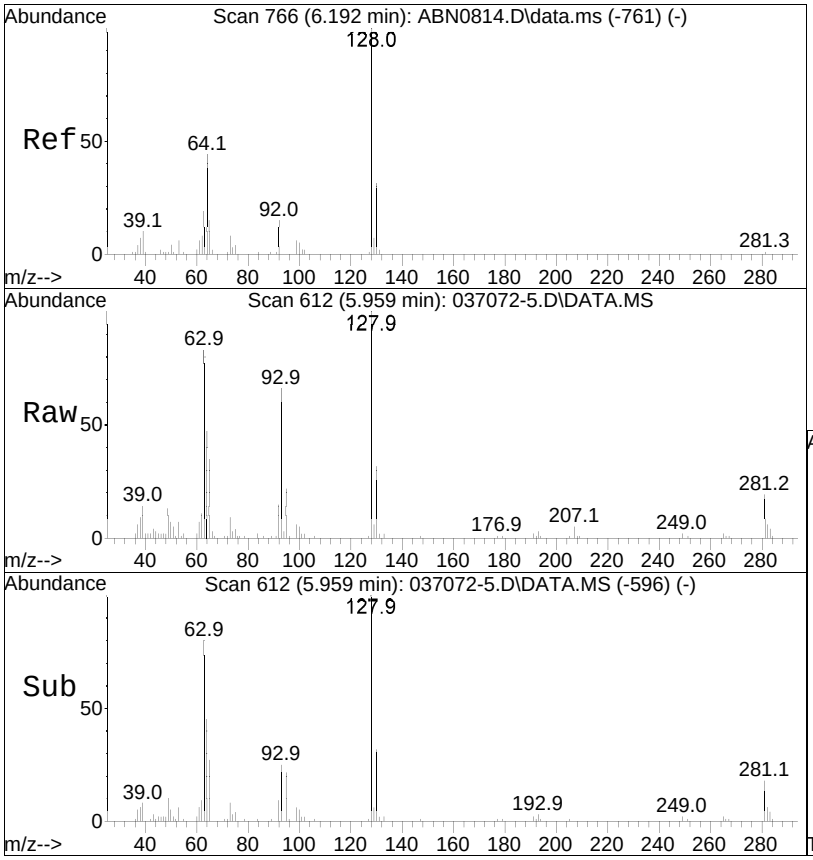
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV107\250306RVT\
Data File : 037072-5.D
Acq On : 6 Mar 2025 5:00 pm
Operator : SV107:slr
Sample : WG2037072-5,32,,gmr
Misc : WG2037390,WG2037072,ical22052
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 10:19:39 2025
Quant Method : I:\8270\SV107\250306RVT\FS250303SV107RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 11:55:20 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90306.D•

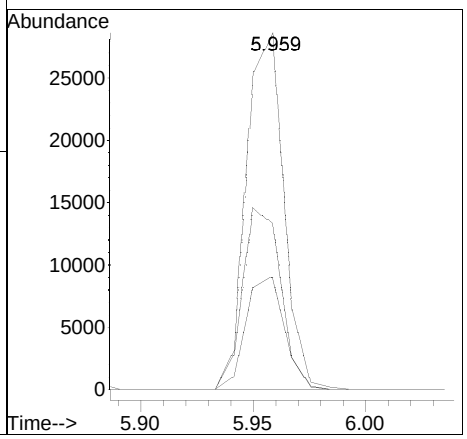


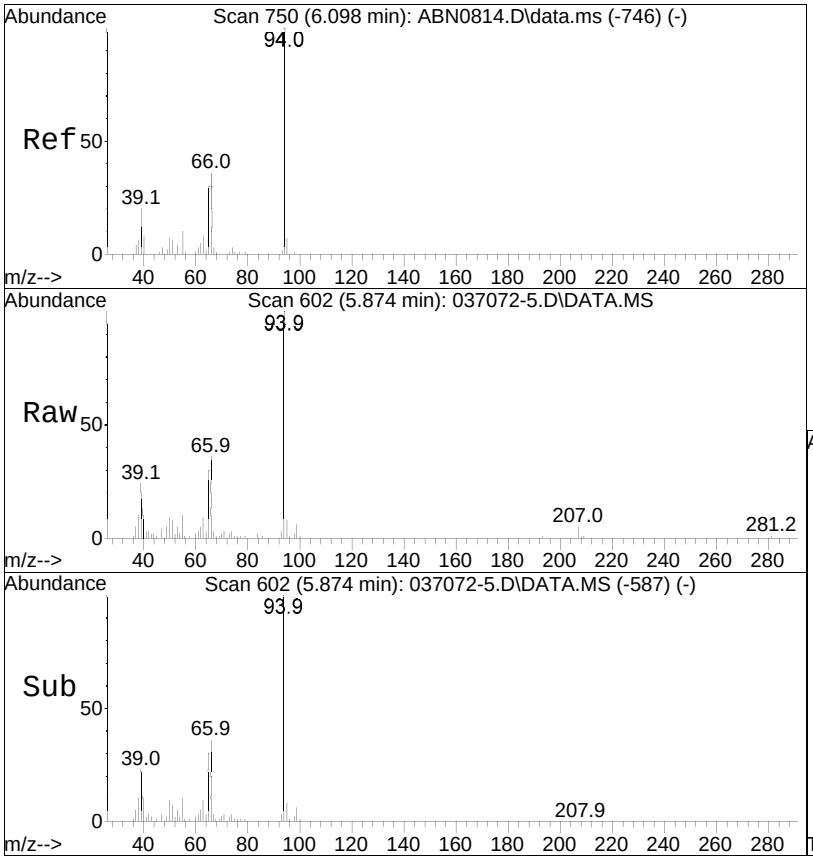


#6
2-Chlorophenol
Concen: 1.40 ug/ml
RT: 5.959 min Scan# 612
Delta R.T. 0.009 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:128 Resp: 32926

Ion	Ratio	Lower	Upper
128	100		
64	52.1	45.1	67.7
130	32.7	26.2	39.4

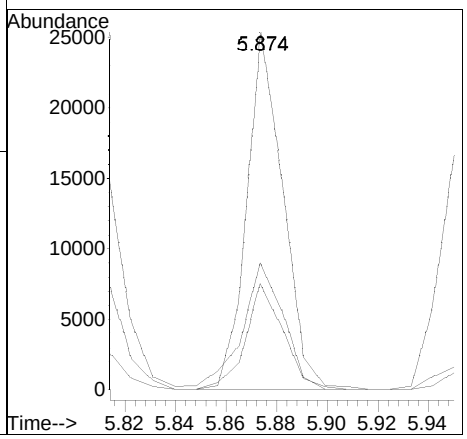


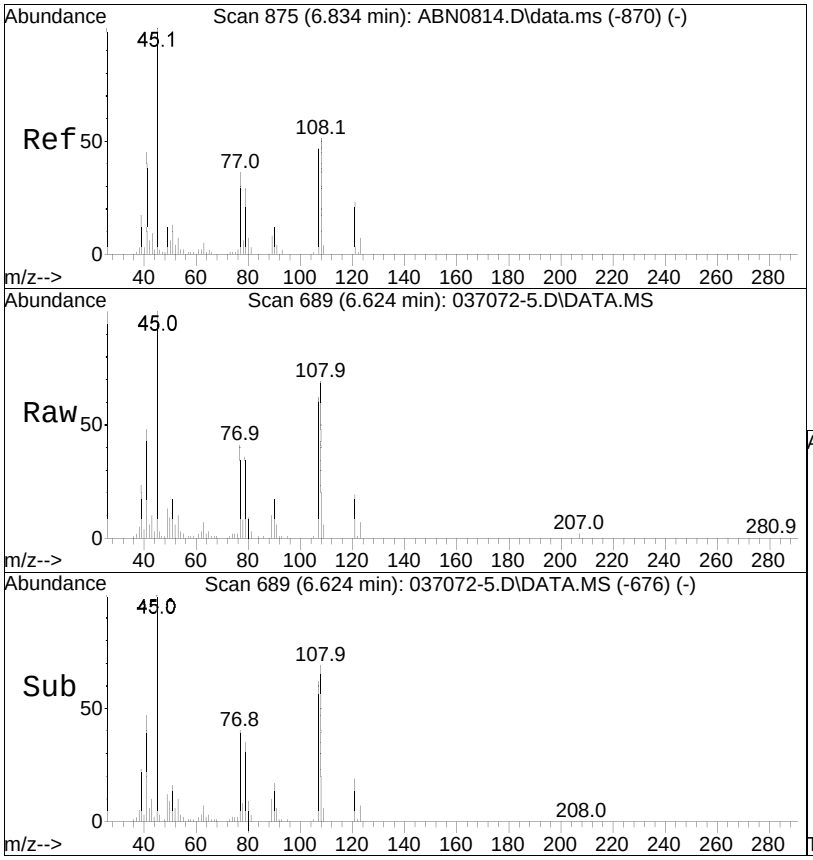


#8
Phenol
Concen: 0.88 ug/ml
RT: 5.874 min Scan# 602
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 94 Resp: 25240

Ion	Ratio	Lower	Upper
94	100		
65	30.8	26.0	39.0
66	40.8	33.8	50.8

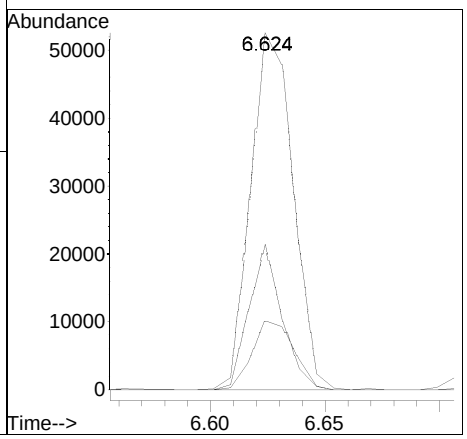


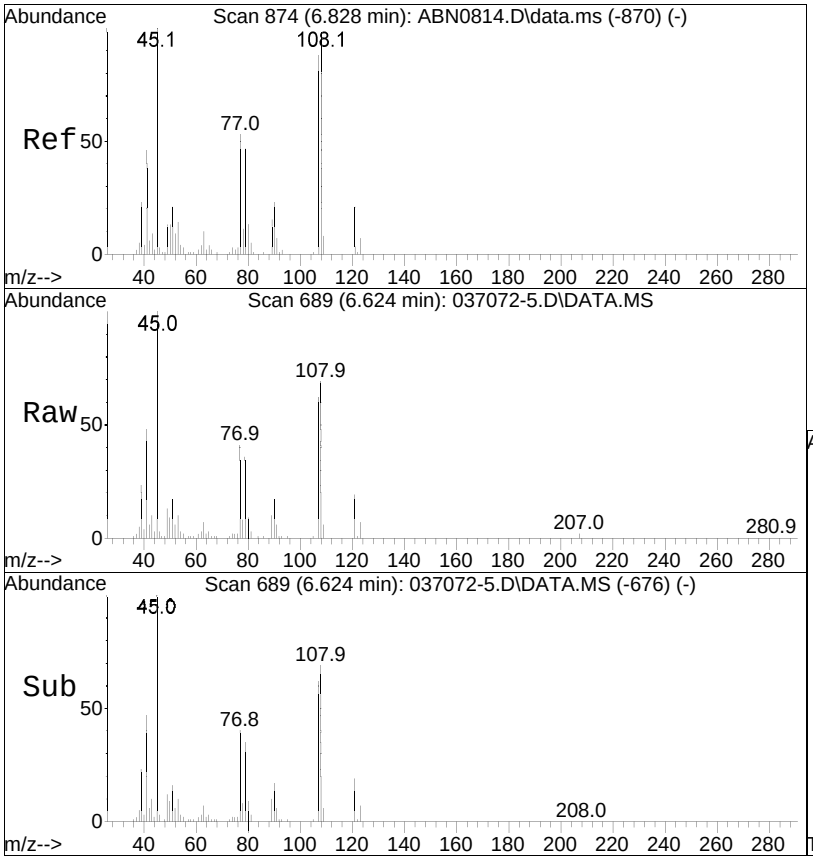


#14
Bis(2-chloroisopropyl)ether
Concen: 1.80 ug/ml
RT: 6.624 min Scan# 689
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 45 Resp: 67453

Ion	Ratio	Lower	Upper
45	100		
121	19.1	9.8	14.6#
77	31.7	6.1	9.1#

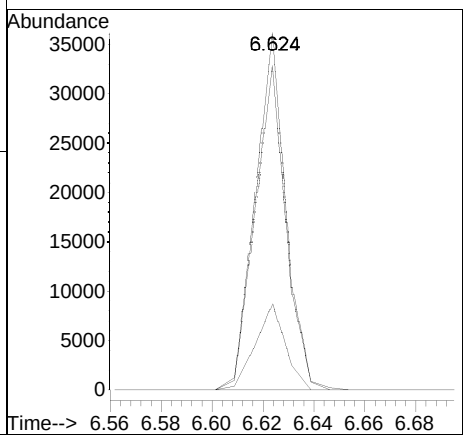


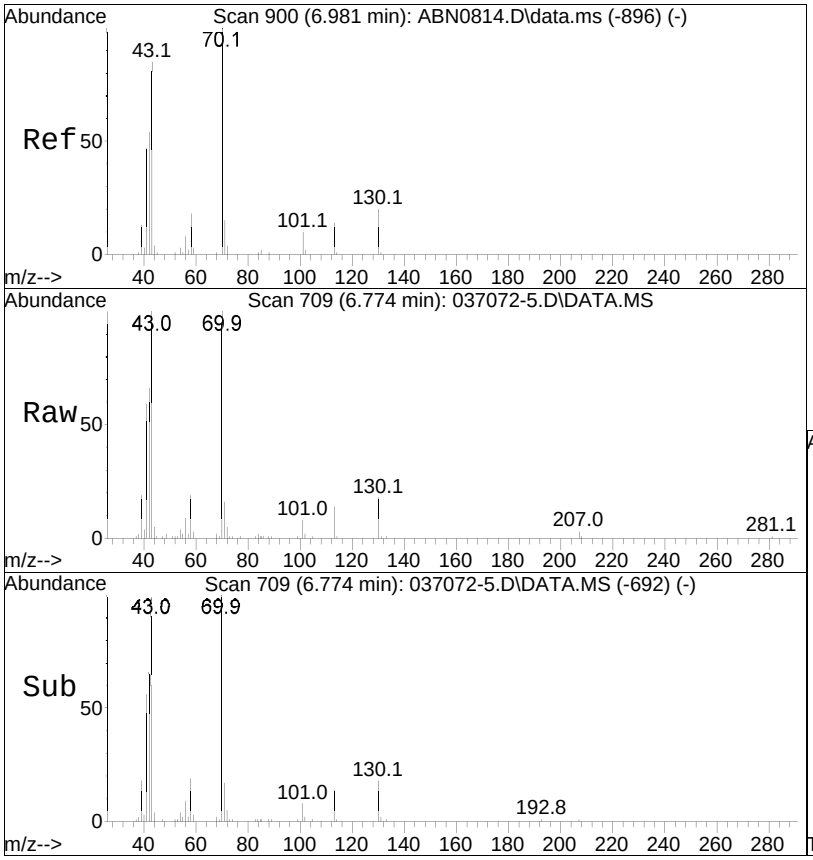


#15
2-Methylphenol
Concen: 1.42 ug/ml
RT: 6.624 min Scan# 689
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:108 Resp: 29984

Ion	Ratio	Lower	Upper
108	100		
107	91.3	70.7	106.1
90	23.7	18.7	28.1

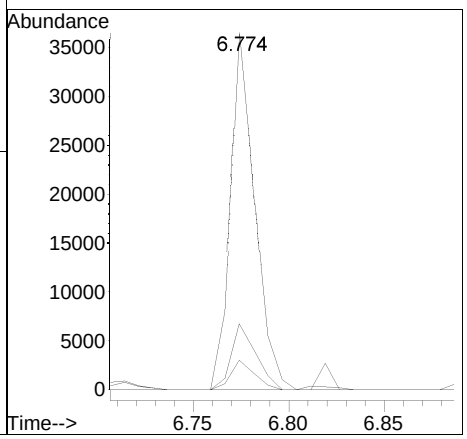


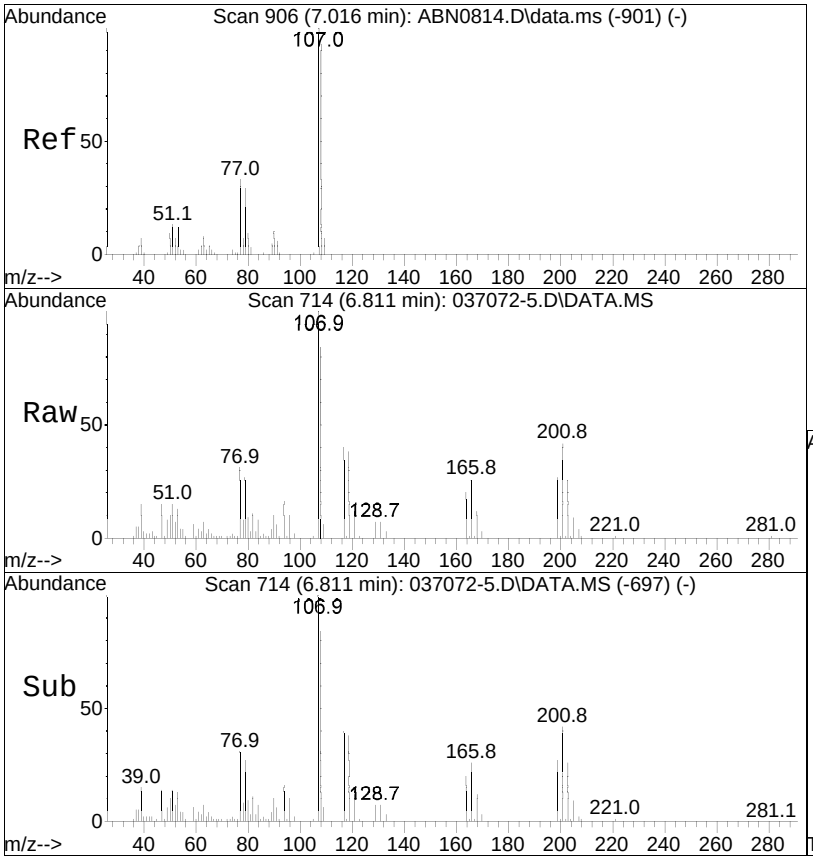


#17
n-Nitrosodi-n-propylamine
Concen: 1.95 ug/ml
RT: 6.774 min Scan# 709
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 70 Resp: 32617

Ion	Ratio	Lower	Upper
70	100		
130	18.5	18.2	27.4
101	8.0	7.8	11.8

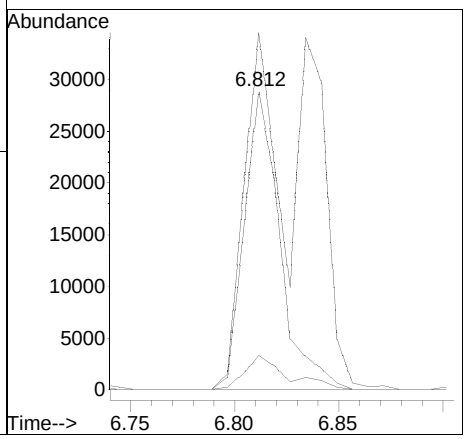


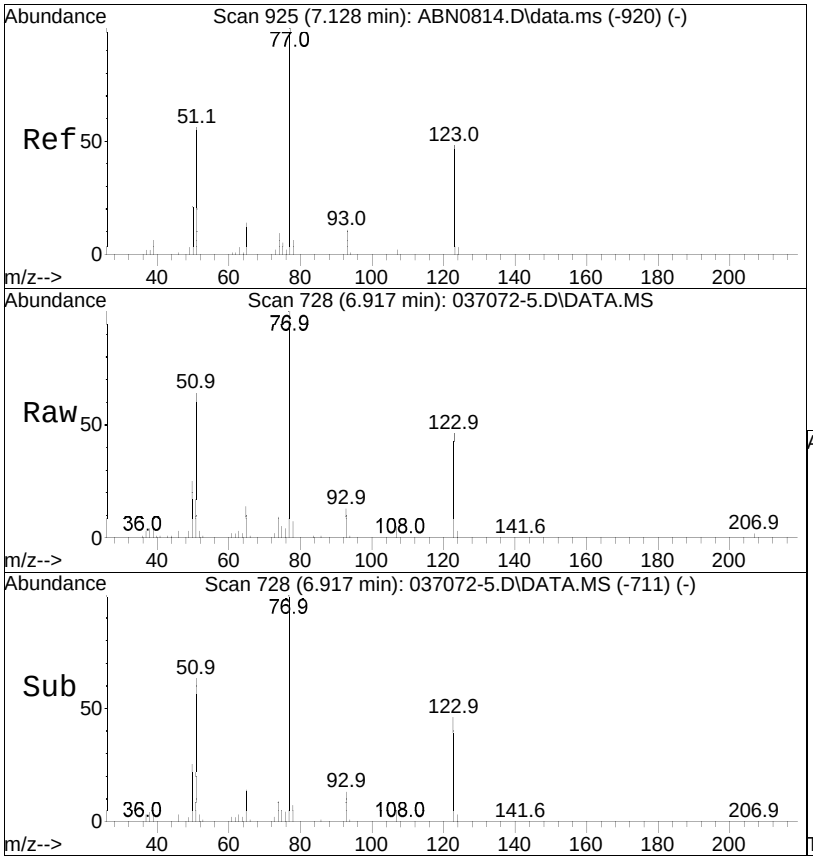


#18
3-Methylphenol/4-Methylphenol
Concen: 1.54 ug/ml
RT: 6.811 min Scan# 714
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:108 Resp: 34348

Ion	Ratio	Lower	Upper
108	100		
107	113.7	88.6	132.8
90	13.4	8.8	13.2#

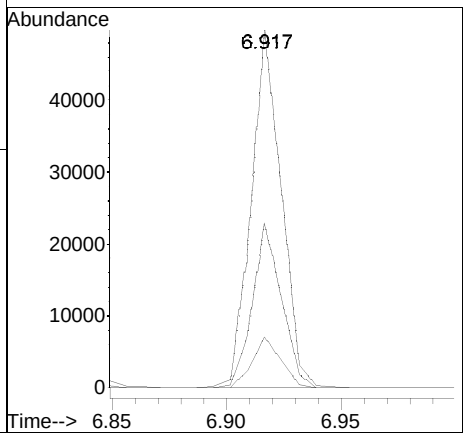


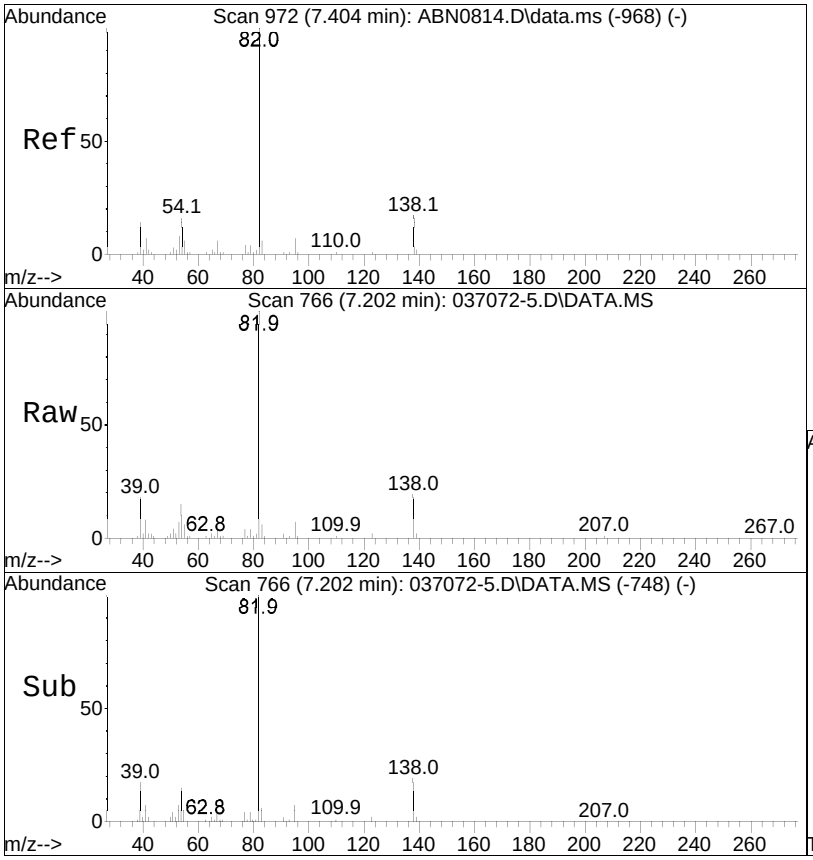


#20
Nitrobenzene
Concen: 1.90 ug/ml
RT: 6.917 min Scan# 728
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 77 Resp: 44985

Ion	Ratio	Lower	Upper
77	100		
123	44.6	36.3	54.5
65	13.6	11.6	17.4

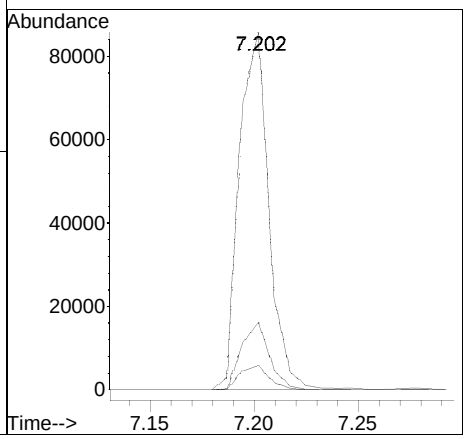


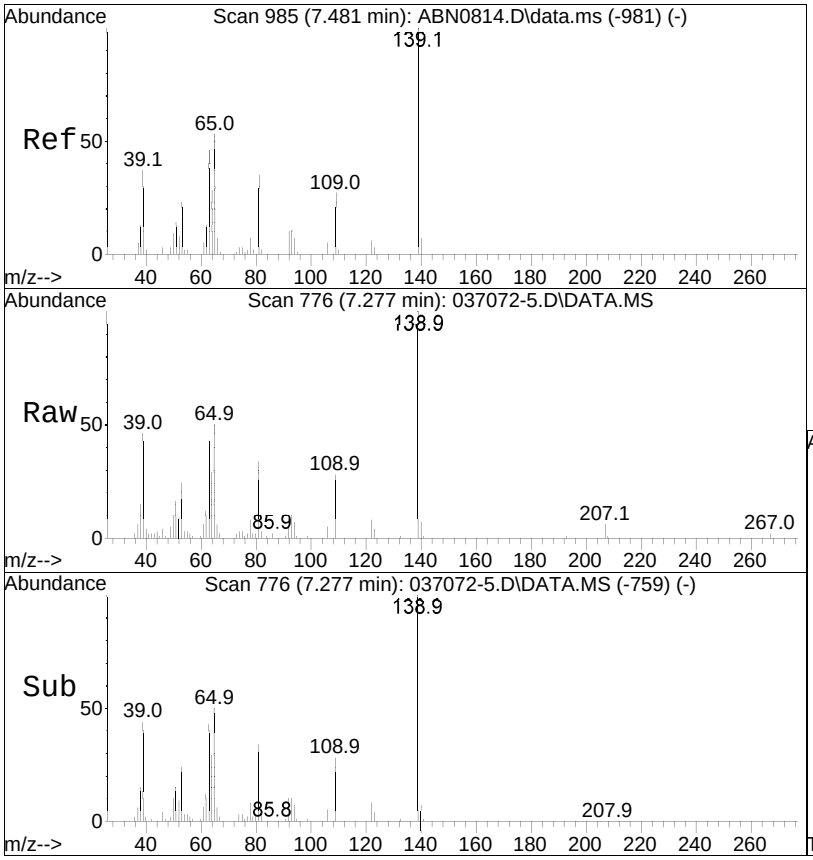


#21
Isophorone
Concen: 1.85 ug/ml
RT: 7.202 min Scan# 766
Delta R.T. 0.008 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 82 Resp: 84016

Ion	Ratio	Lower	Upper
82	100		
138	17.9	14.7	22.1
95	6.8	5.2	7.8

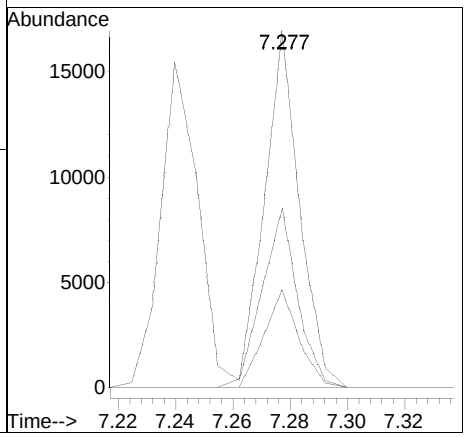


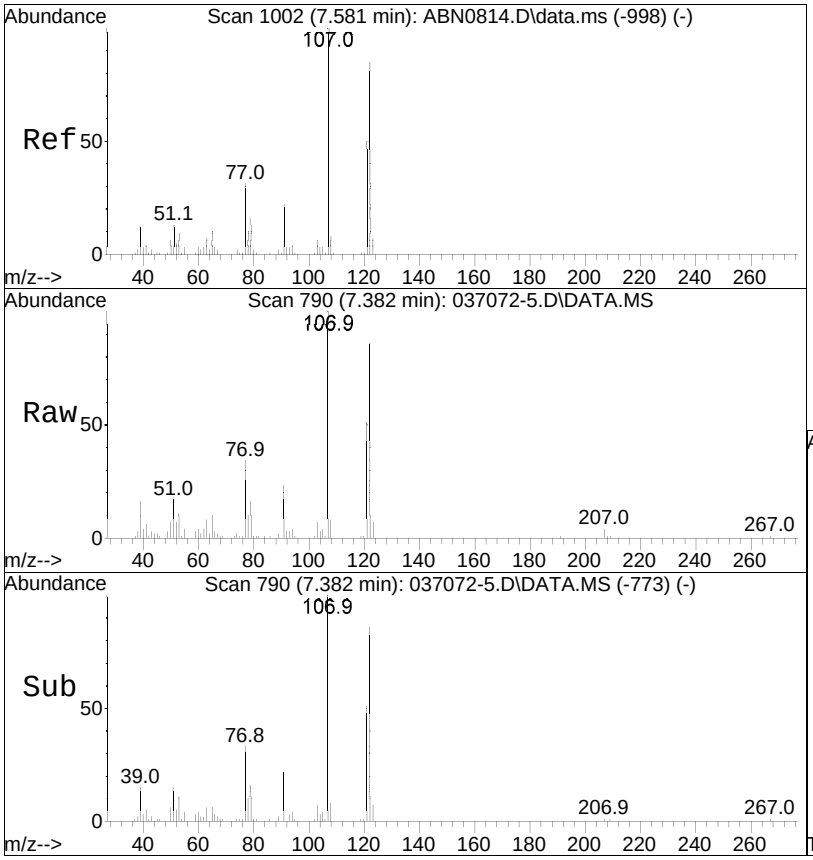


#22
2-Nitrophenol
Concen: 1.29 ug/ml
RT: 7.277 min Scan# 776
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:139 Resp: 14456

Ion	Ratio	Lower	Upper
139	100		
109	27.2	19.4	29.0
65	49.6	46.1	69.1

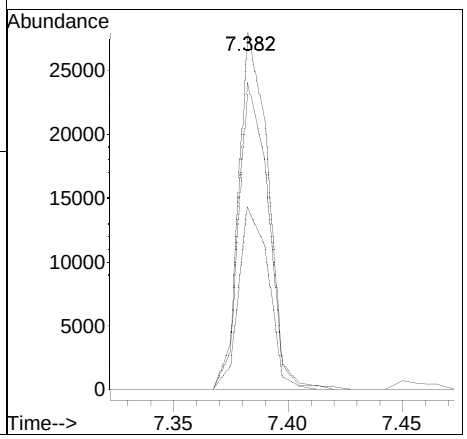


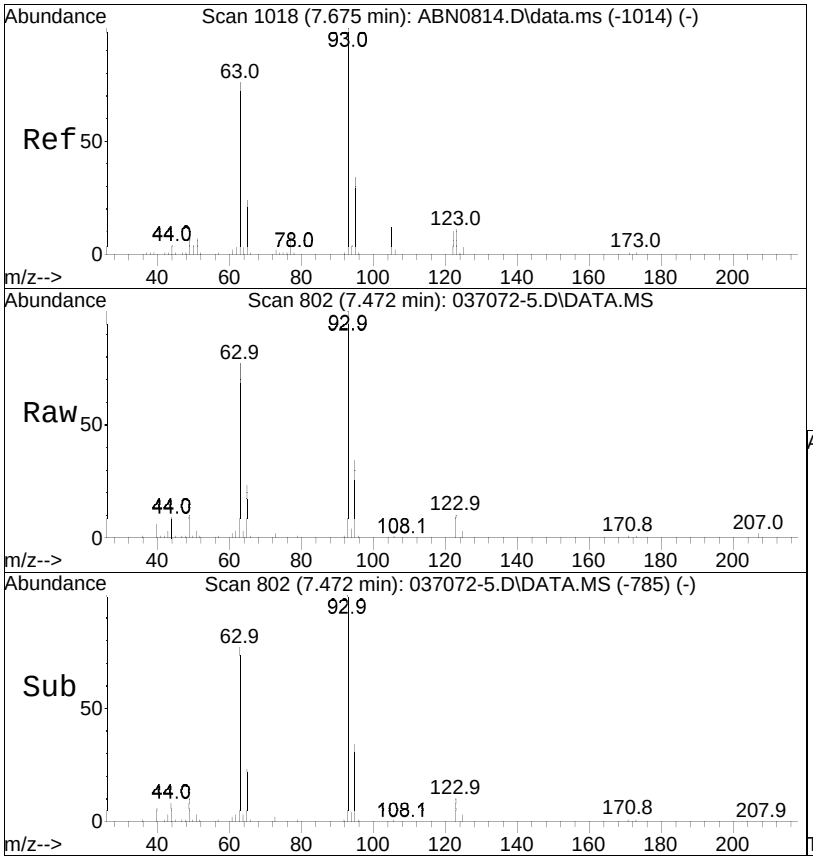


#23
2,4-Dimethylphenol
Concen: 1.04 ug/ml
RT: 7.382 min Scan# 790
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:107 Resp: 25024

Ion	Ratio	Lower	Upper
107	100		
121	51.8	40.0	60.0
122	85.6	70.2	105.4

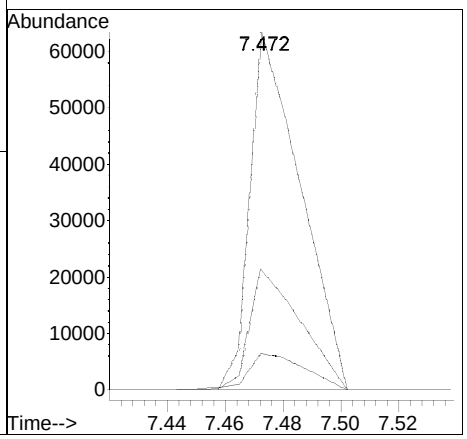


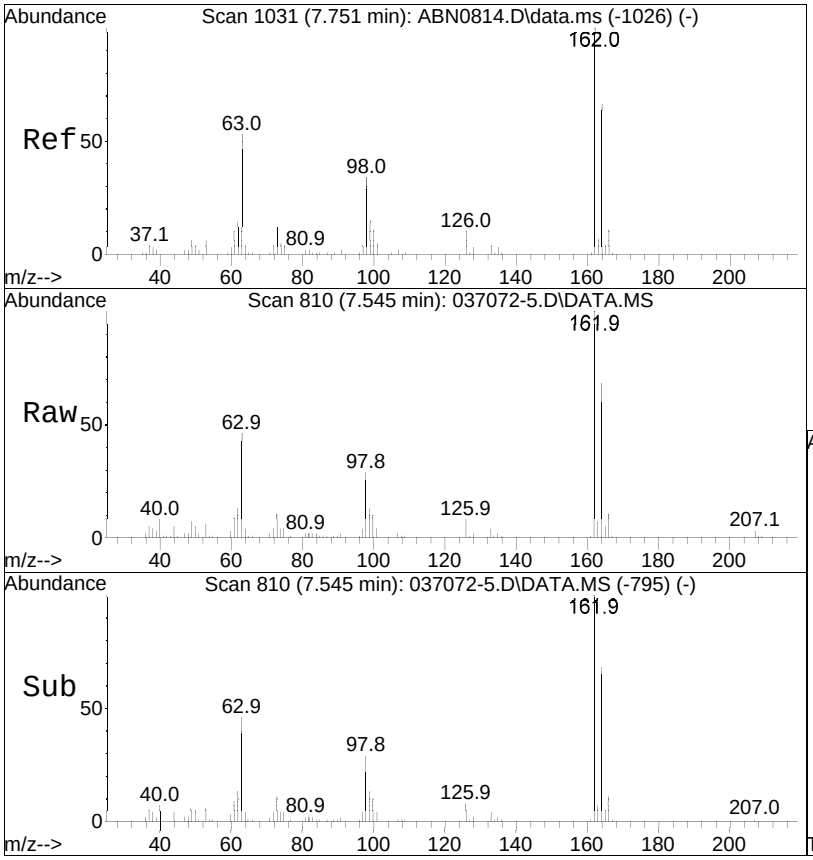


#24
Bis(2-chloroethoxy)methane
Concen: 2.17 ug/ml
RT: 7.472 min Scan# 802
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 93 Resp: 71565

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	10.9	10.1	15.1

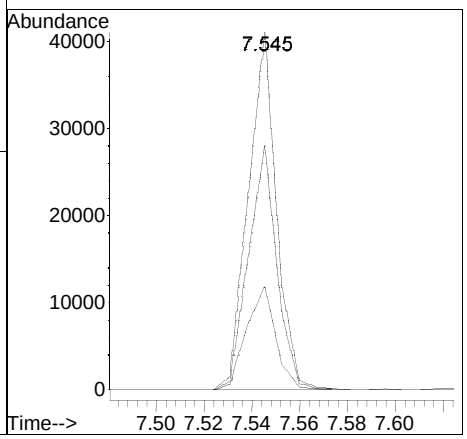


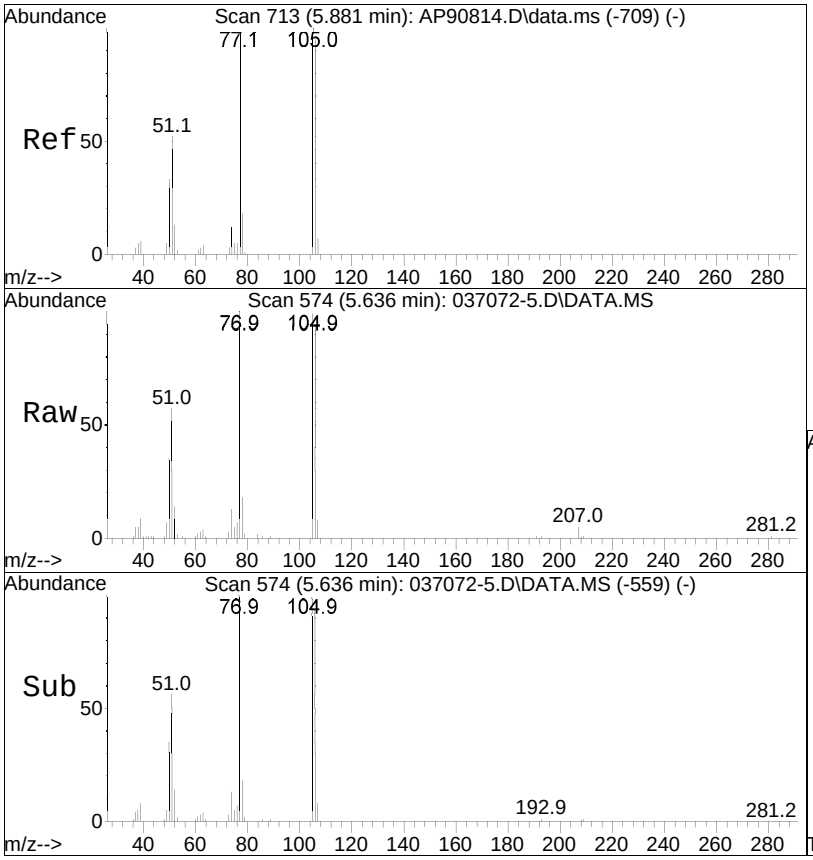


#25
2,4-Dichlorophenol
Concen: 1.36 ug/ml
RT: 7.545 min Scan# 810
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:162 Resp: 33221

Ion	Ratio	Lower	Upper
162	100		
164	69.0	51.0	76.4
98	30.3	32.2	48.2#

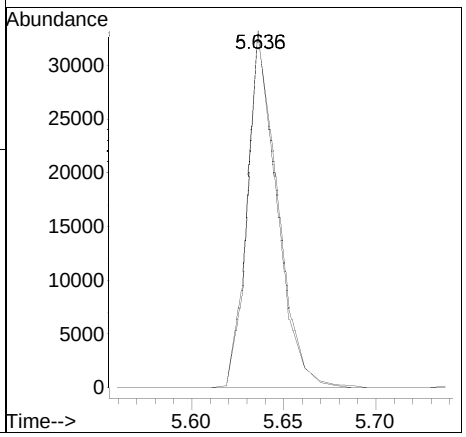


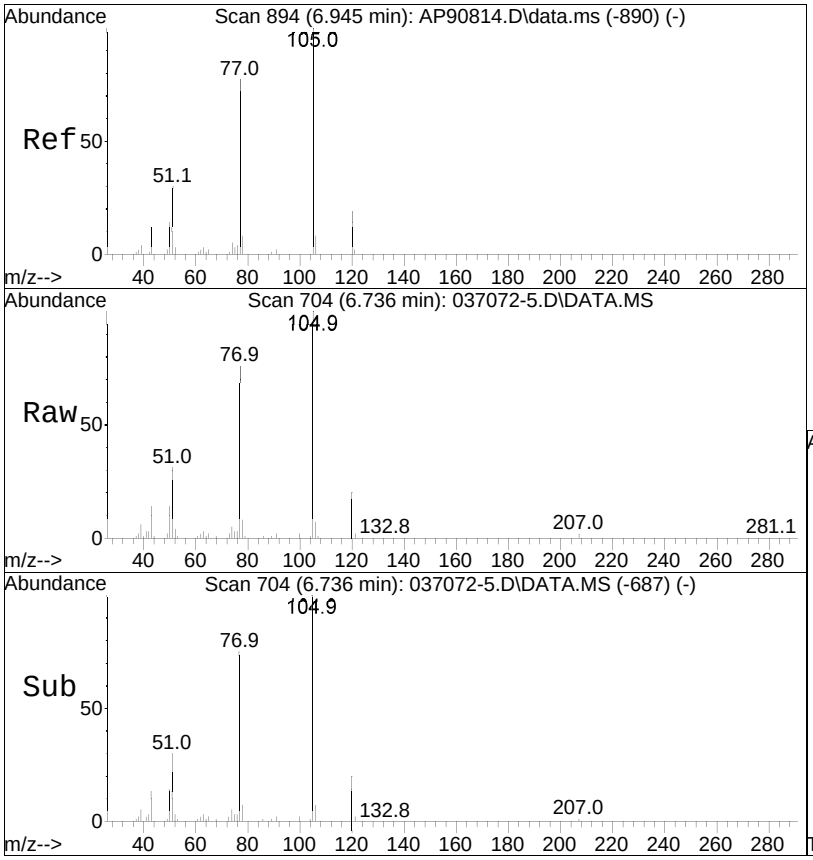


#28
Benzaldehyde
Concen: 2.10 ug/ml
RT: 5.636 min Scan# 574
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:105 Resp: 37453

Ion	Ratio	Lower	Upper
105	100		
77	99.2	82.2	123.4

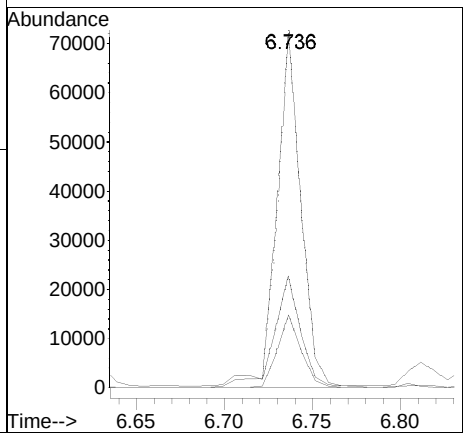


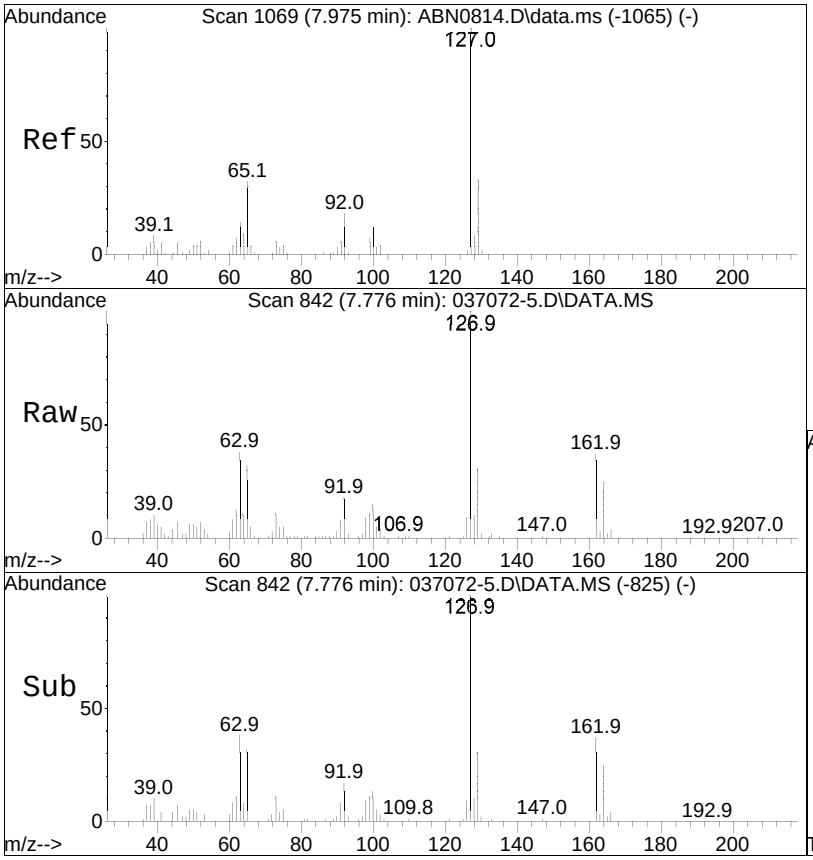


#29
Acetophenone
Concen: 2.21 ug/ml
RT: 6.736 min Scan# 704
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:105 Resp: 67353

Ion	Ratio	Lower	Upper
105	100		
120	20.3	20.5	30.7#
51	35.1	34.9	52.3

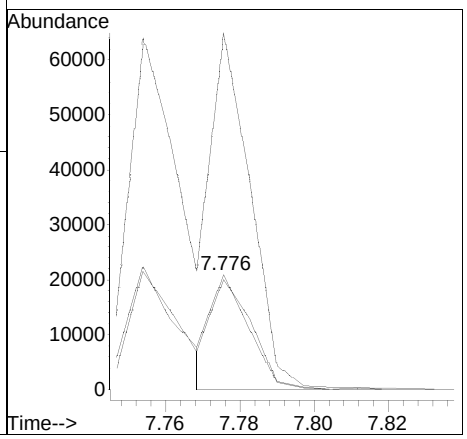


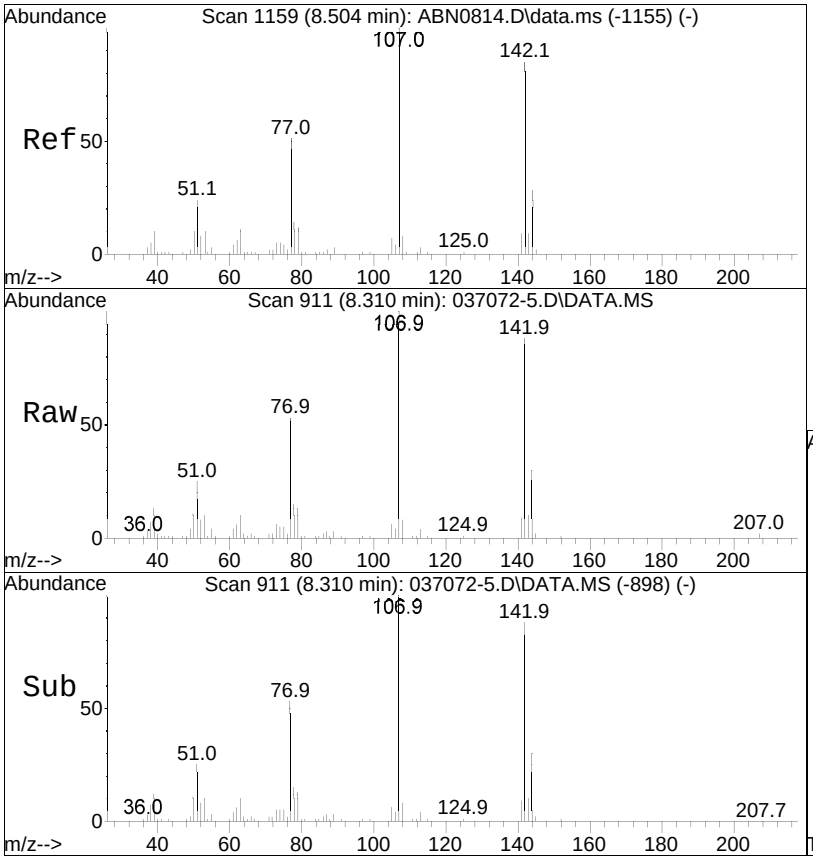


#38
4-Chloroaniline
Concen: 1.53 ug/ml M3
RT: 7.776 min Scan# 842
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 65 Resp: 14434

Ion	Ratio	Lower	Upper
65	100		
127	433.1	237.6	356.4#
129	140.6	76.3	114.5#

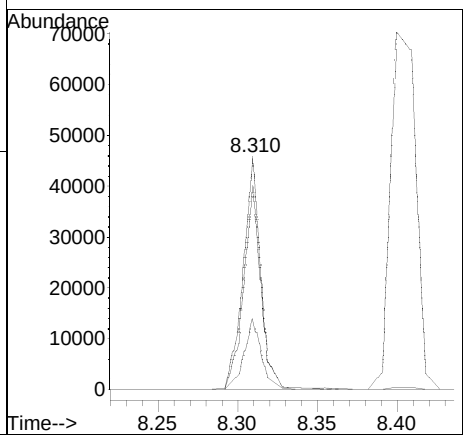


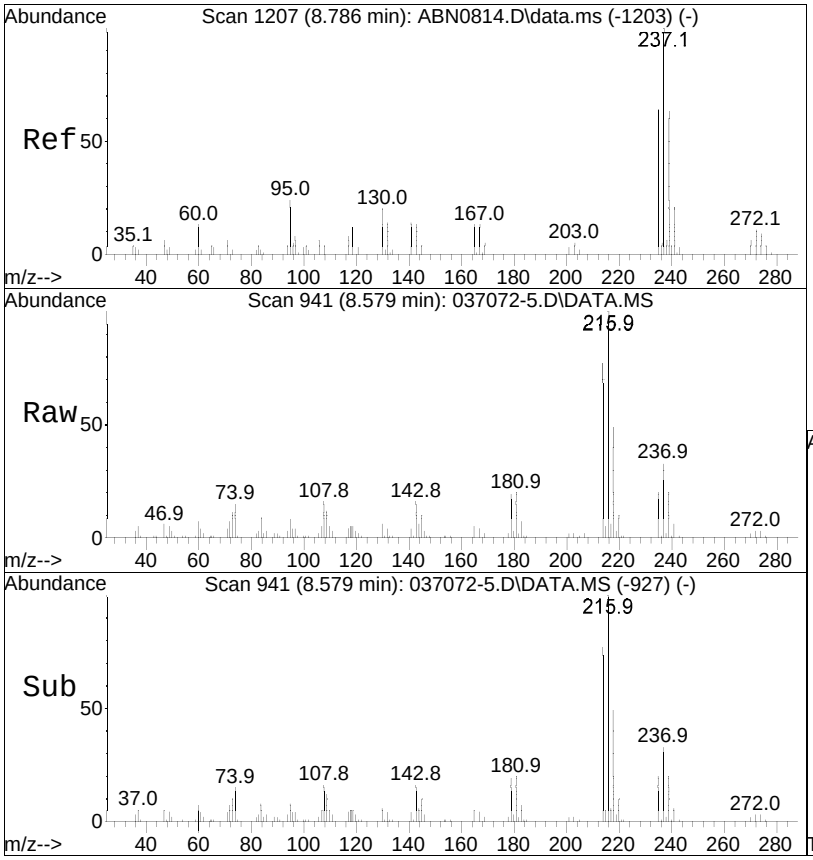


#40
p-Chloro-m-cresol
Concen: 1.77 ug/ml
RT: 8.310 min Scan# 911
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:107 Resp: 35085

Ion	Ratio	Lower	Upper
107	100		
144	29.8	20.9	31.3
142	86.8	66.1	99.1

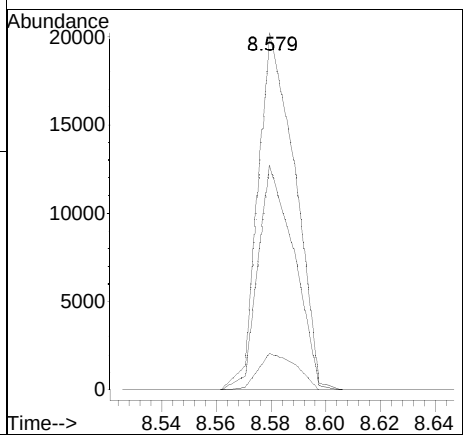


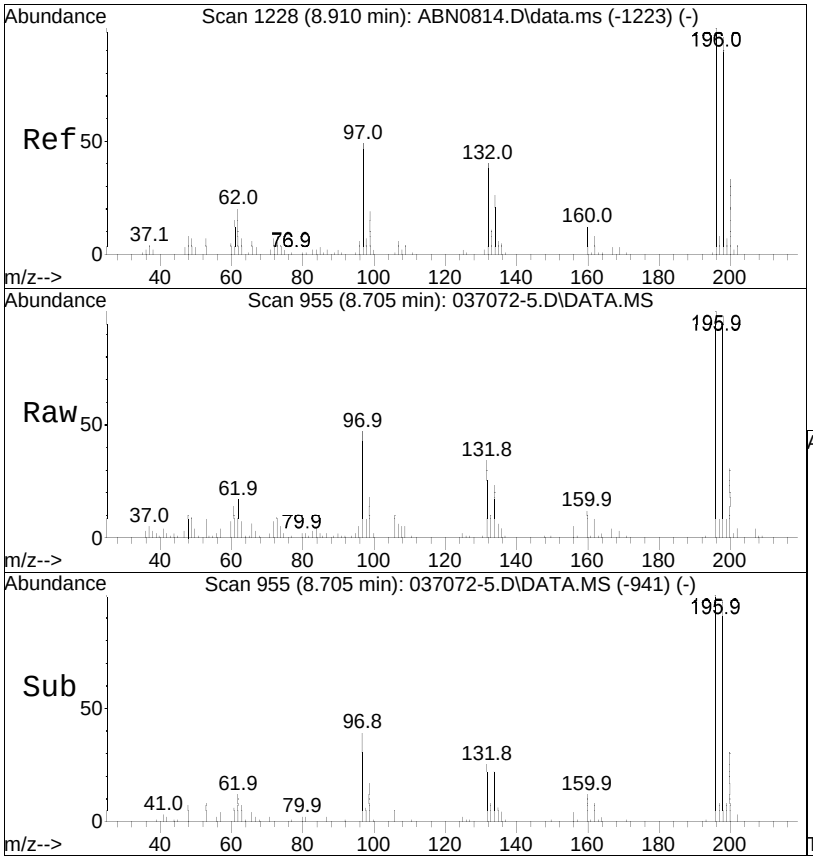


#43
Hexachlorocyclopentadiene
Concen: 0.93 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:237 Resp: 18812

Ion	Ratio	Lower	Upper
237	100		
235	61.9	49.7	74.5
272	10.7	9.8	14.6

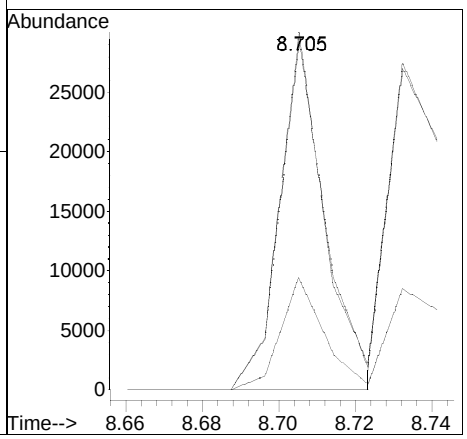


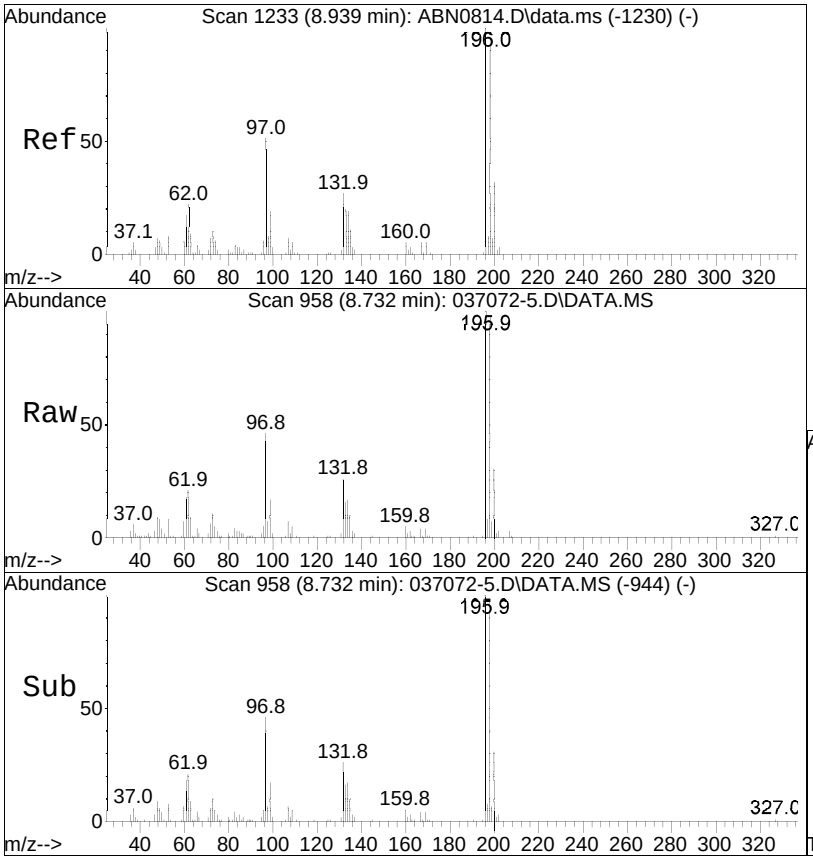


#44
2,4,6-Trichlorophenol
Concen: 1.27 ug/ml
RT: 8.705 min Scan# 955
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:196 Resp: 24433

Ion	Ratio	Lower	Upper
196	100		
198	99.2	77.5	116.3
200	31.0	23.8	35.6

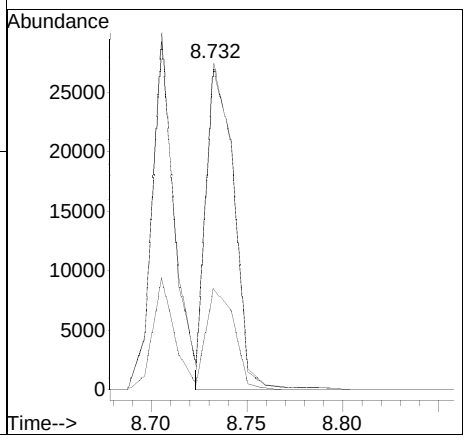


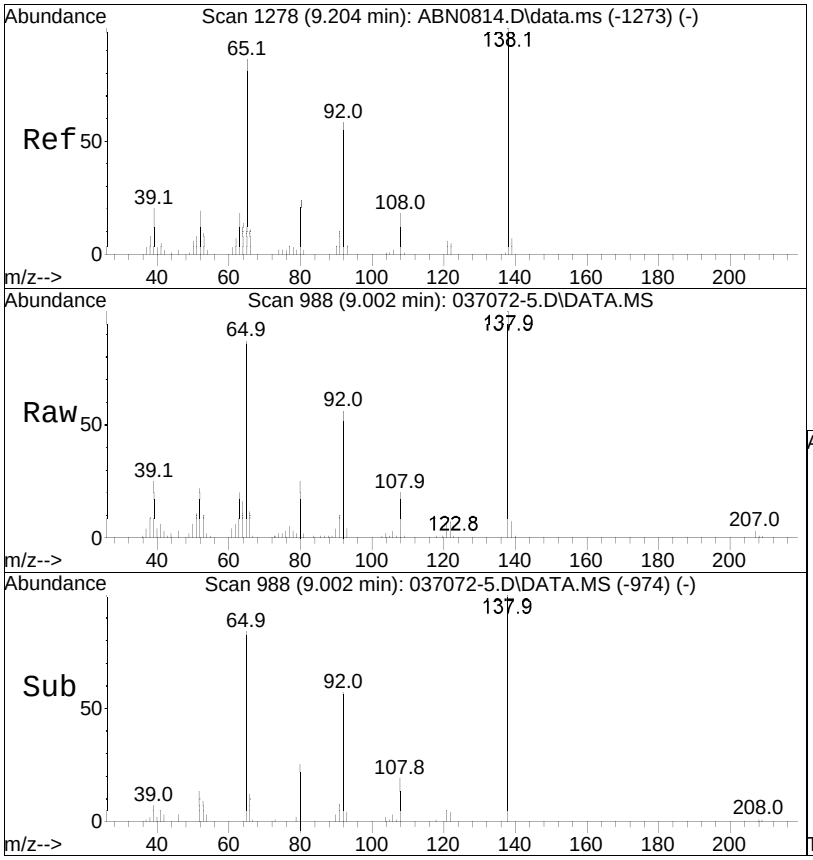


#45
2,4,5-Trichlorophenol
Concen: 1.38 ug/ml
RT: 8.732 min Scan# 958
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:196 Resp: 27554

Ion	Ratio	Lower	Upper
196	100		
200	31.2	25.4	38.0
198	100.1	78.0	117.0

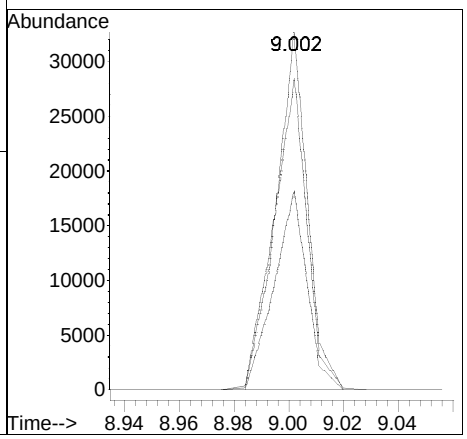


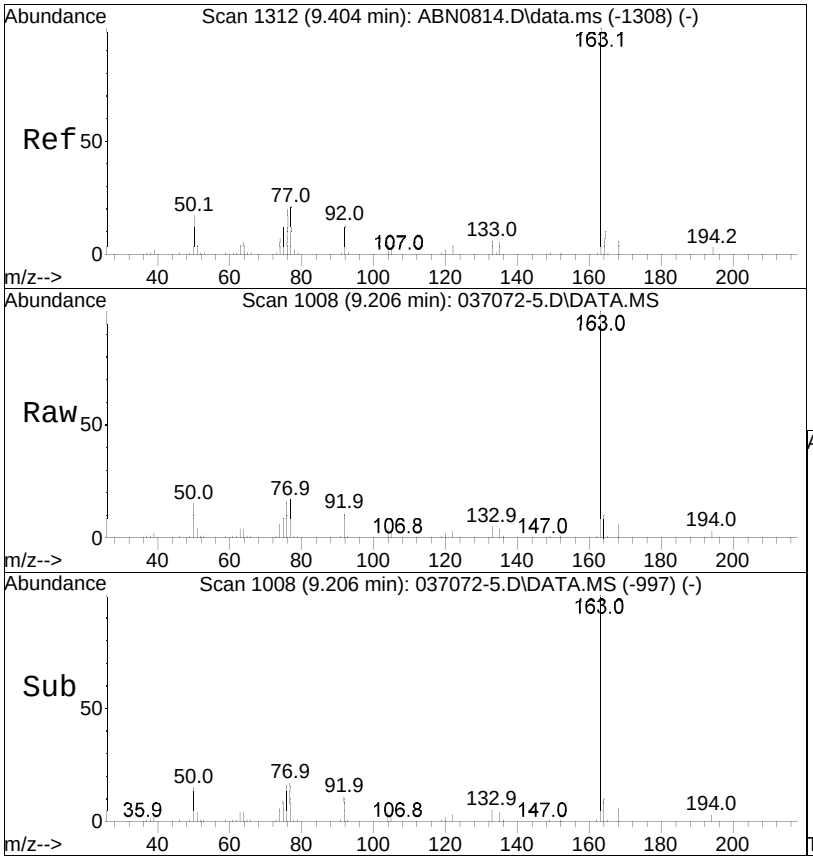


#48
2-Nitroaniline
Concen: 1.84 ug/ml
RT: 9.002 min Scan# 988
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:138 Resp: 25886

Ion	Ratio	Lower	Upper
138	100		
92	58.1	53.5	80.3
65	92.6	86.3	129.5

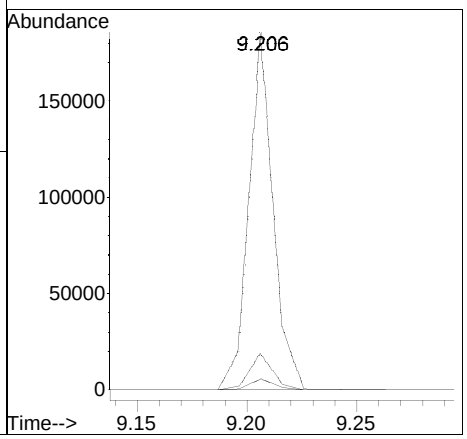


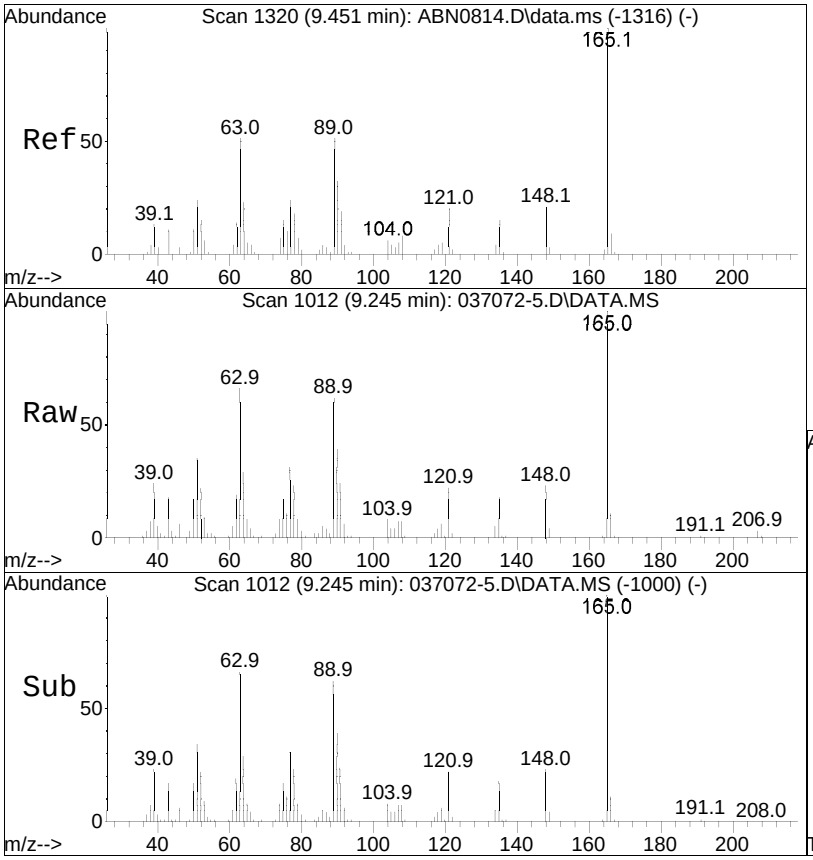


#51
Dimethyl phthalate
Concen: 2.01 ug/ml
RT: 9.206 min Scan# 1008
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:163 Resp: 140272

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.5	5.3#
164	10.0	7.9	11.9

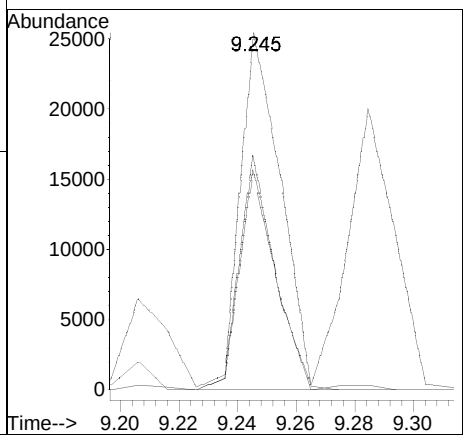


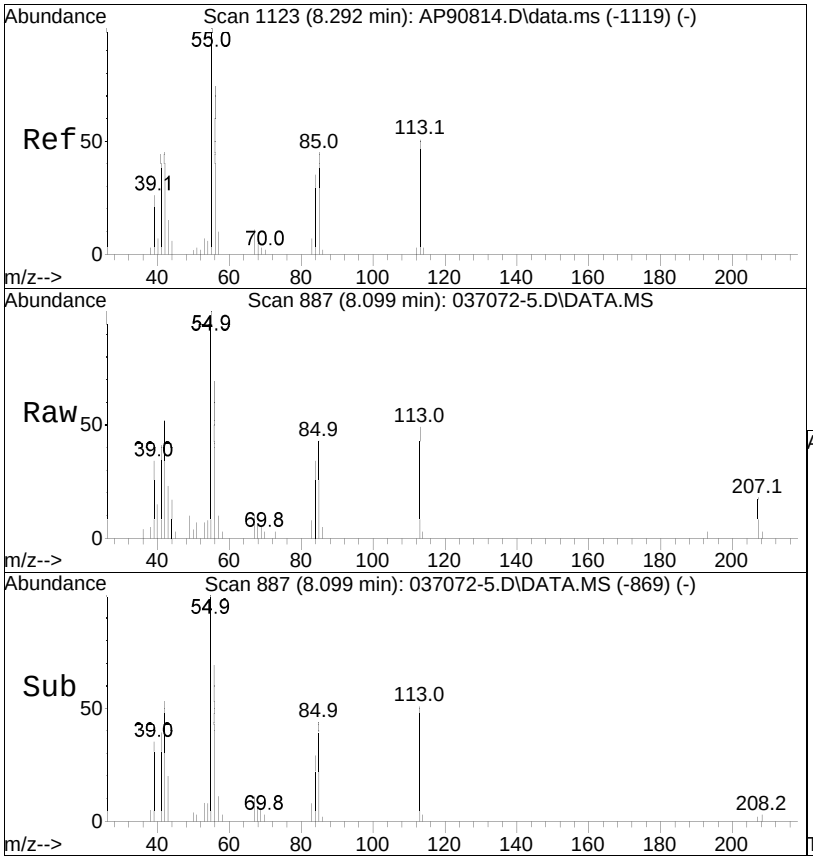


#53
2,6-Dinitrotoluene
Concen: 1.85 ug/ml
RT: 9.245 min Scan# 1012
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:165 Resp: 24278

Ion	Ratio	Lower	Upper
165	100		
89	57.5	54.2	81.2
63	58.6	64.2	96.2#

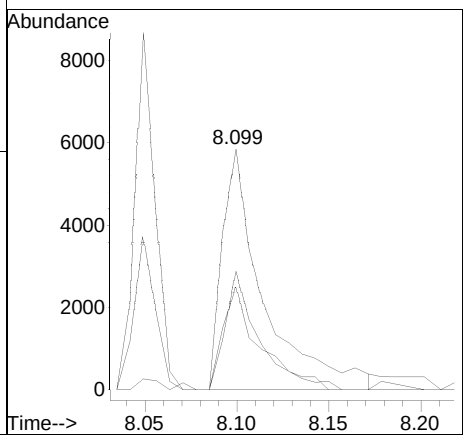


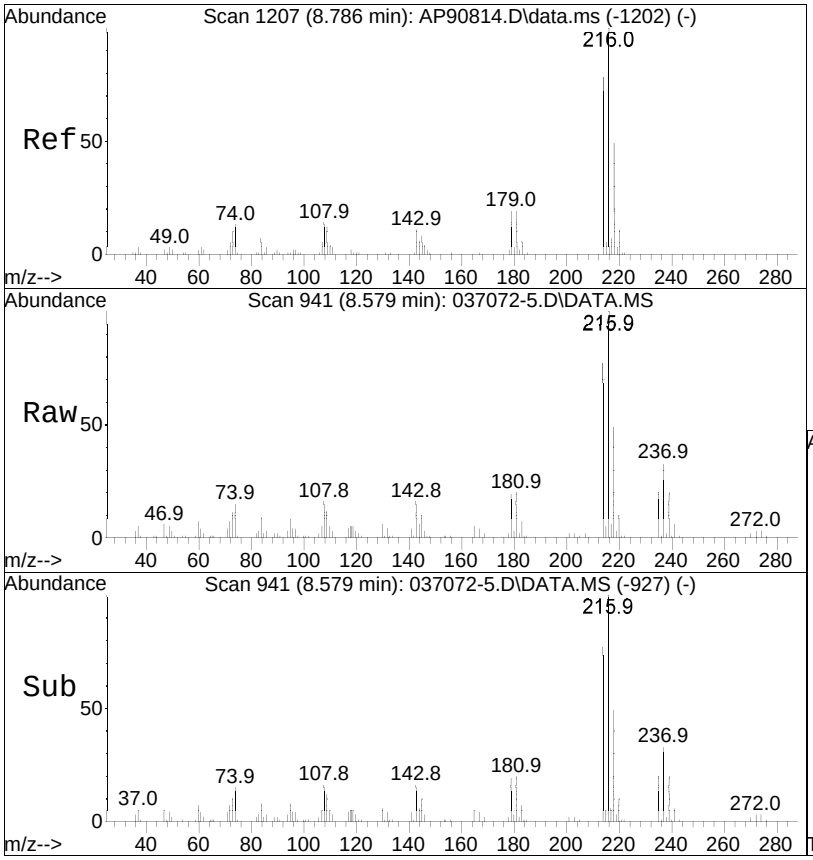


#60
Caprolactam
Concen: 1.19 ug/ml
RT: 8.099 min Scan# 887
Delta R.T. 0.007 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 55 Resp: 9123

Ion	Ratio	Lower	Upper
55	100		
85	38.2	19.8	29.6#
113	40.4	29.6	44.4

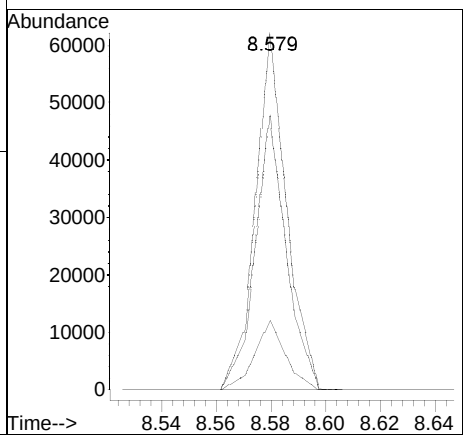


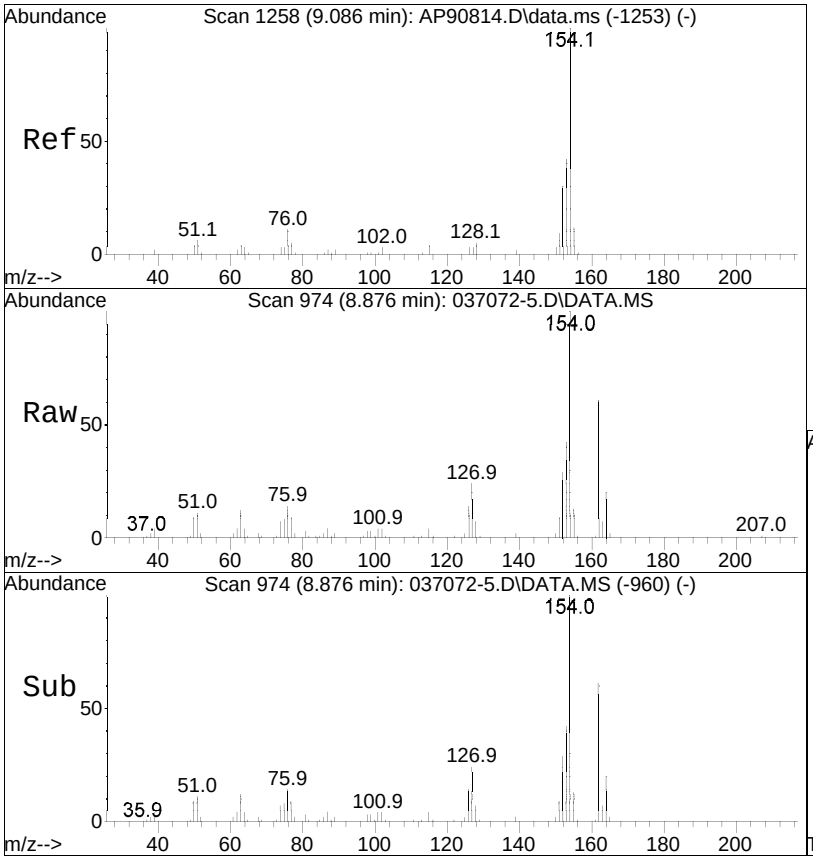


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.58 ug/ml
RT: 8.579 min Scan# 941
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:216 Resp: 49022

Ion	Ratio	Lower	Upper
216	100		
214	76.4	63.7	95.5
179	19.4	19.0	28.6

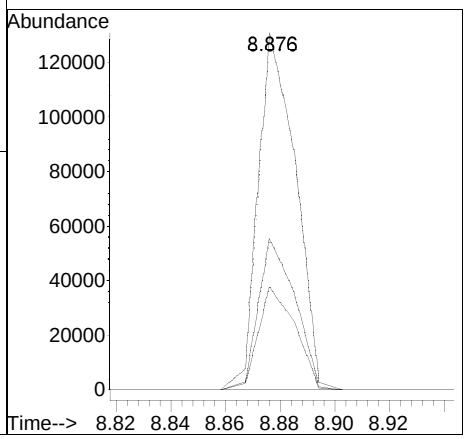


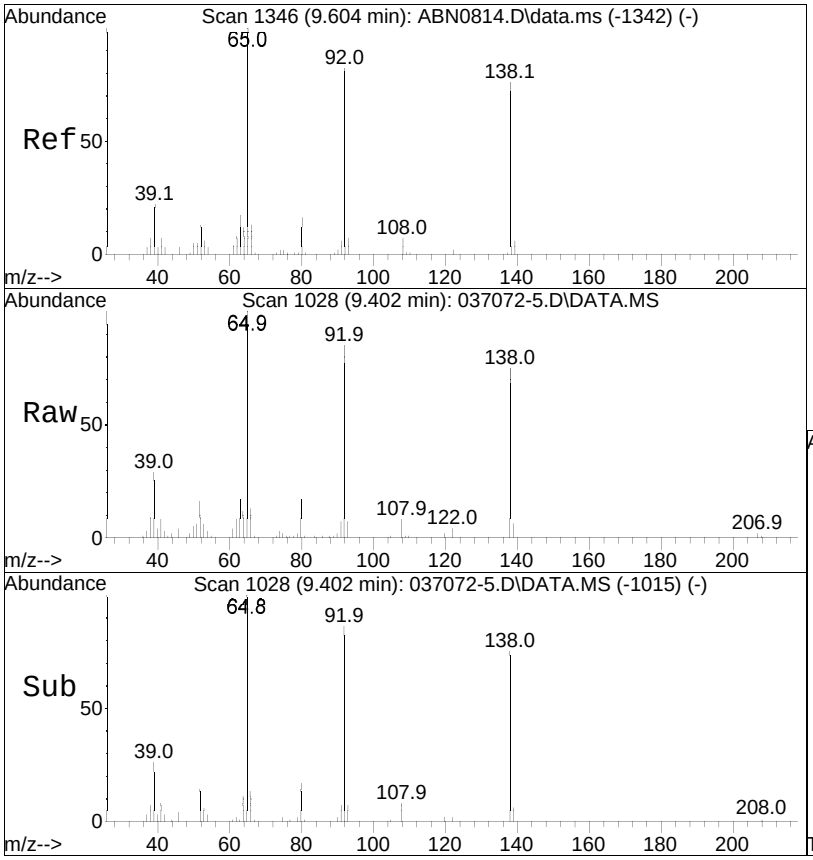


#62
Biphenyl
Concen: 1.75 ug/ml
RT: 8.876 min Scan# 974
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:154 Resp: 123300

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.3	48.5
152	28.8	22.5	33.7

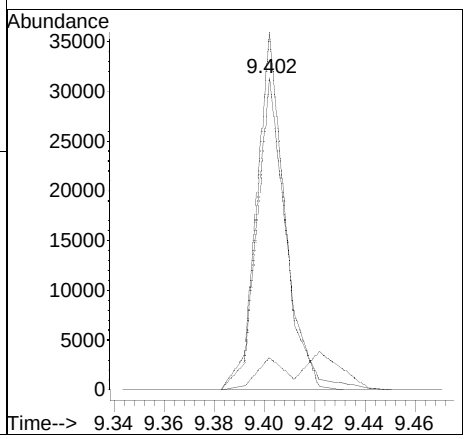


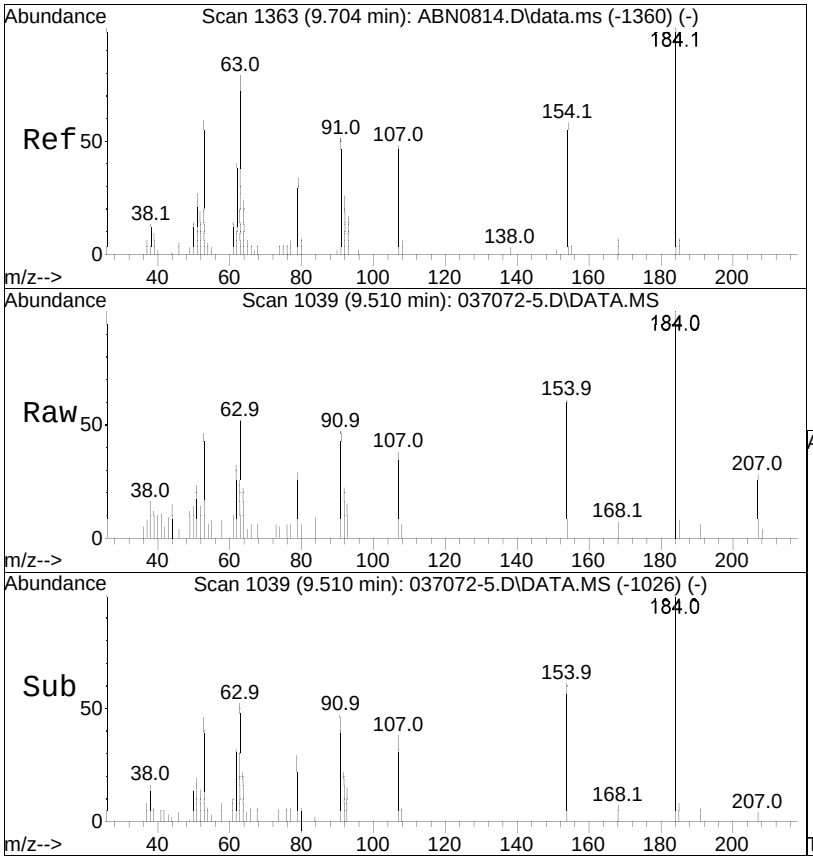


#64
3-Nitroaniline
Concen: 2.10 ug/ml
RT: 9.402 min Scan# 1028
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:138 Resp: 24652

Ion	Ratio	Lower	Upper
138	100		
92	113.6	93.4	140.2
108	25.7	9.5	14.3#

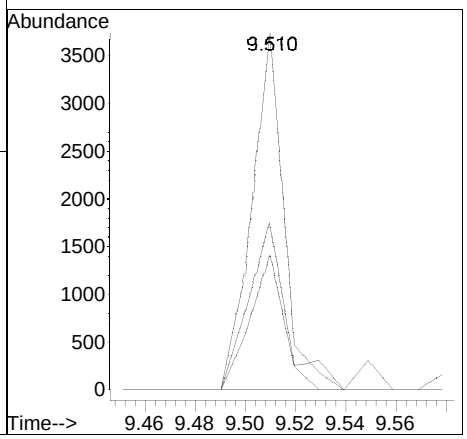


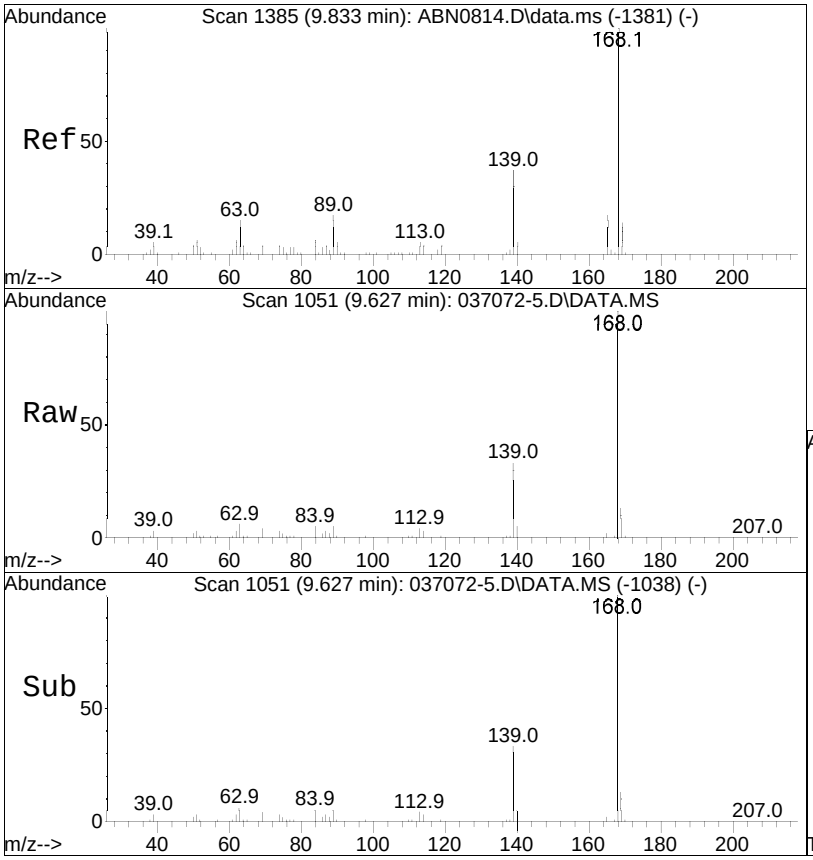


#66
2,4-Dinitrophenol
Concen: 0.73 ug/ml
RT: 9.510 min Scan# 1039
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:184 Resp: 3296

Ion	Ratio	Lower	Upper
184	100		
107	39.8	37.7	56.5
91	61.2	46.3	69.5

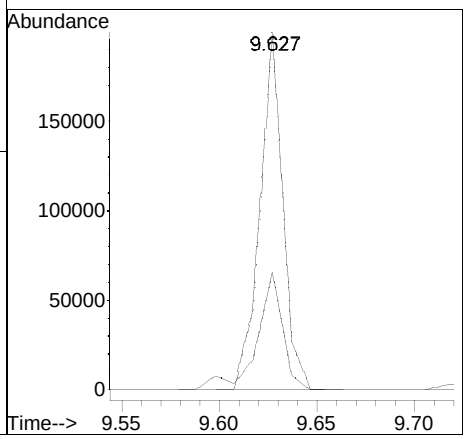


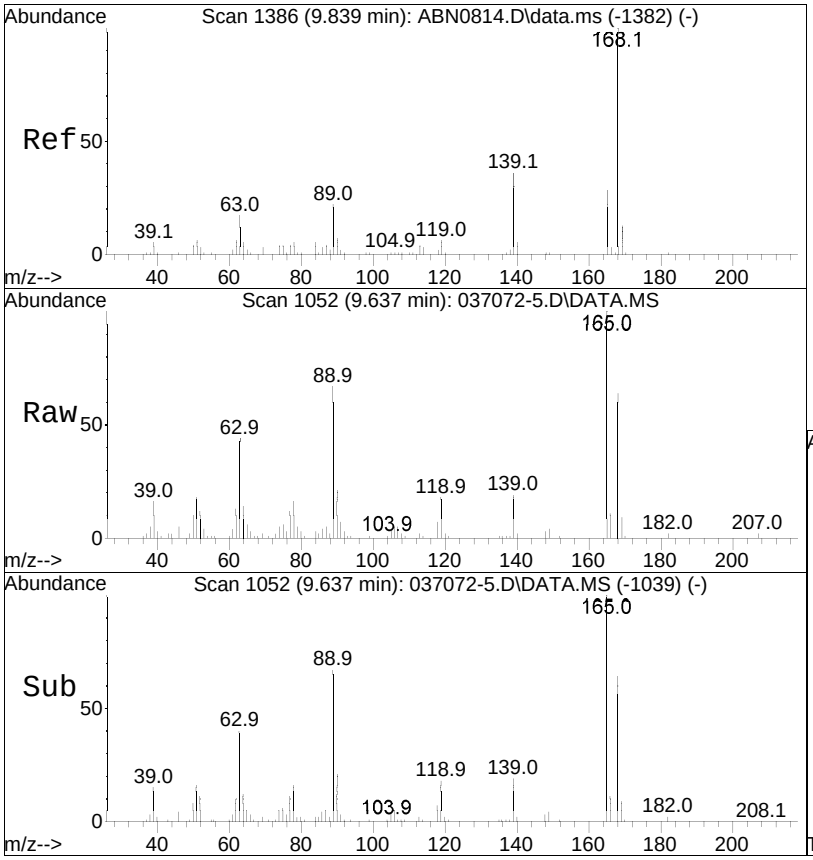


#67
Dibenzofuran
Concen: 1.92 ug/ml
RT: 9.627 min Scan# 1051
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:168 Resp: 159959

Ion	Ratio	Lower	Upper
168	100		
139	37.6	31.4	47.2

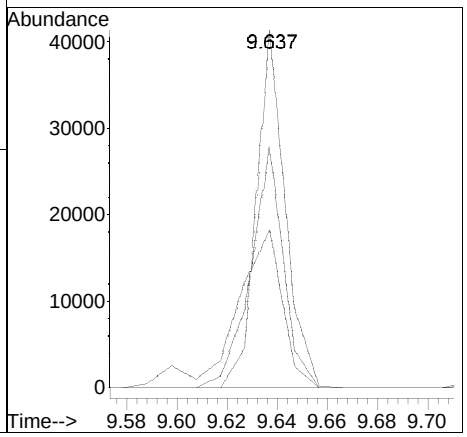


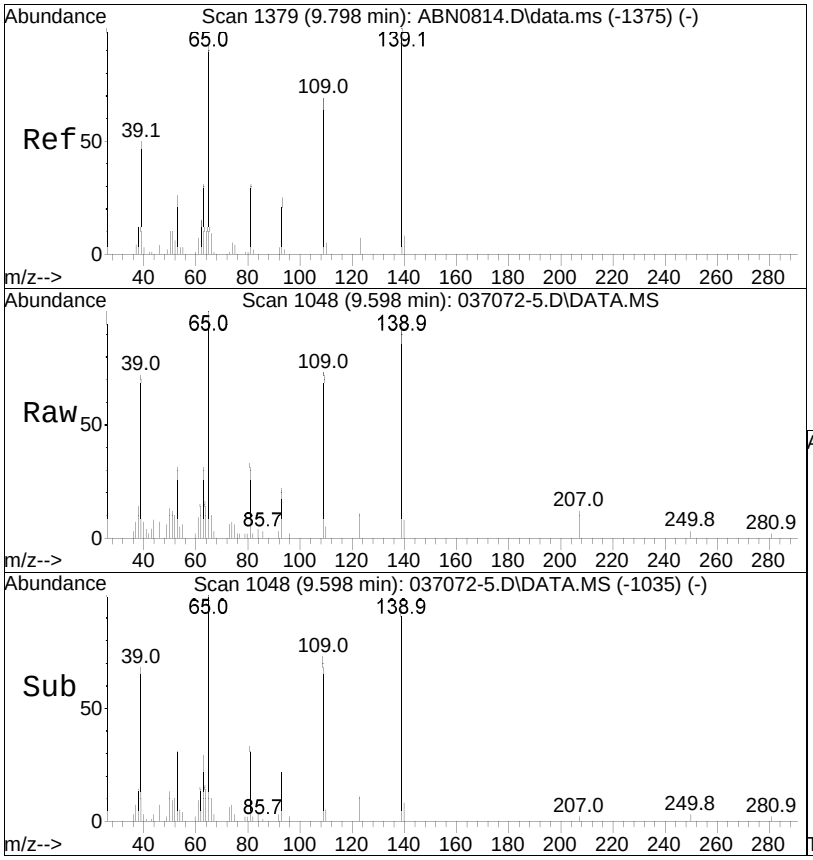


#68
2,4-Dinitrotoluene
Concen: 1.91 ug/ml
RT: 9.637 min Scan# 1052
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:165 Resp: 32539

Ion	Ratio	Lower	Upper
165	100		
89	76.8	72.0	108.0
63	72.6	52.7	79.1

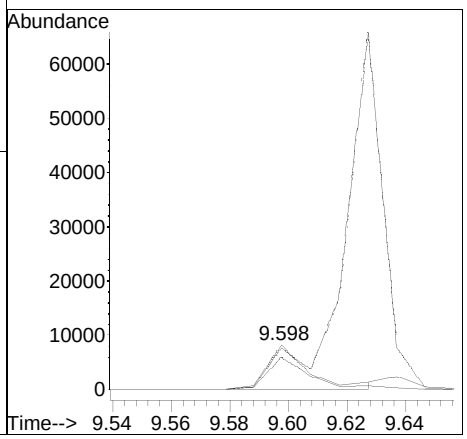


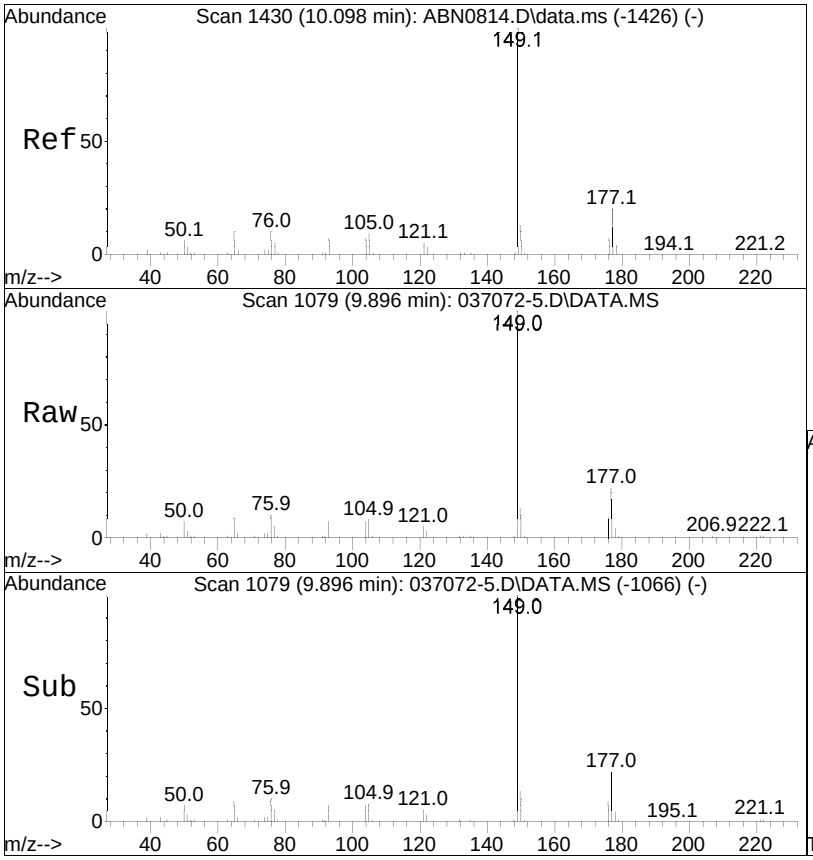


#69
4-Nitrophenol
Concen: 0.90 ug/ml
RT: 9.598 min Scan# 1048
Delta R.T. 0.000 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion: 65 Resp: 8075

Ion	Ratio	Lower	Upper
65	100		
109	74.6	47.4	71.2#
139	745.0	76.6	115.0#

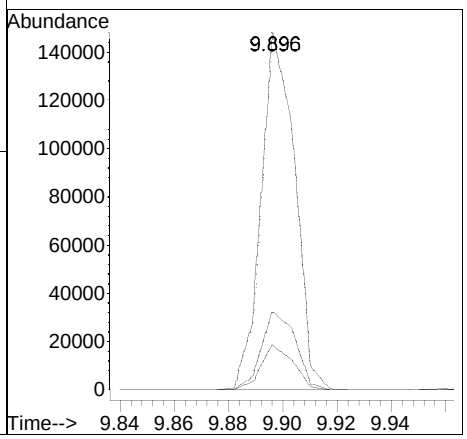


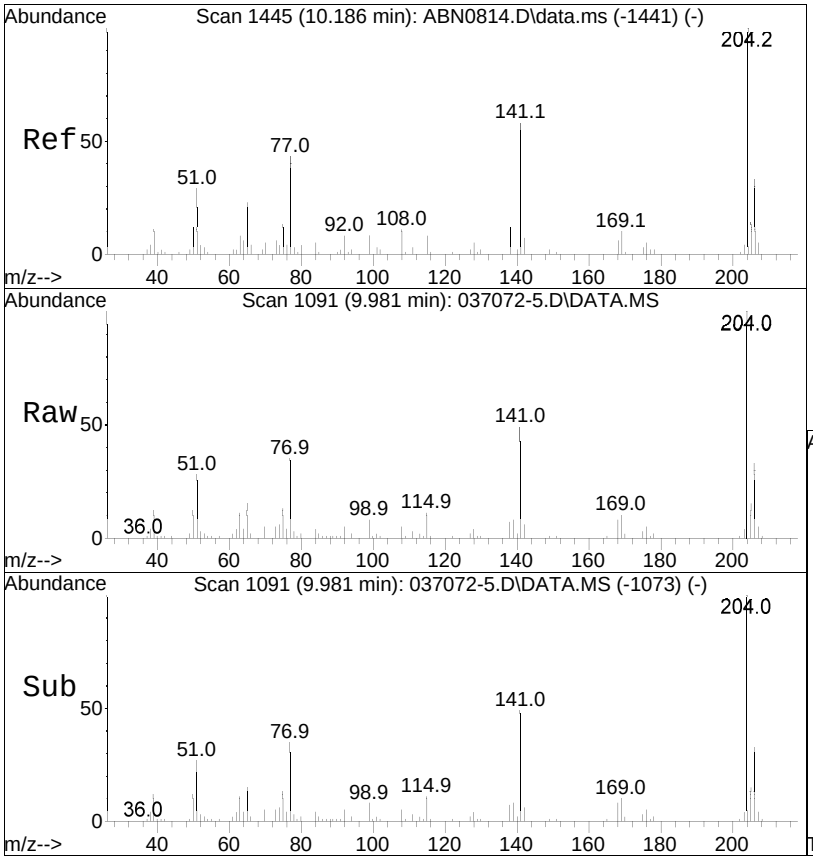


#72
Diethyl phthalate
Concen: 2.10 ug/ml
RT: 9.896 min Scan# 1079
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:149 Resp: 125815

Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.1	24.1
150	12.2	9.4	14.2

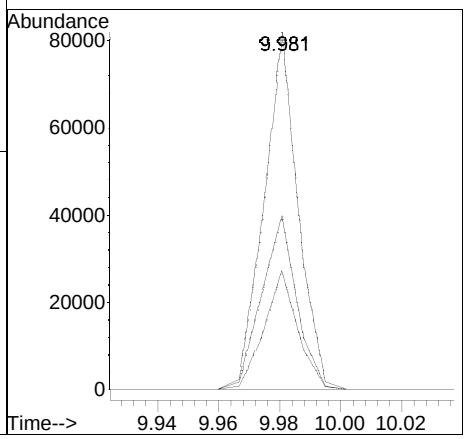


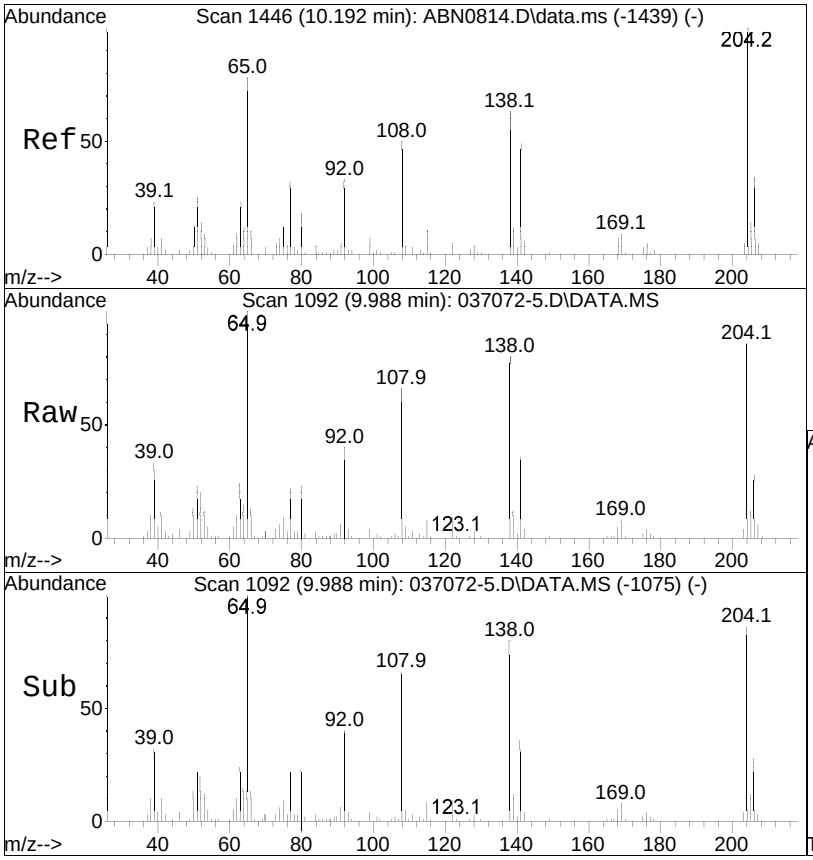


#74
4-Chlorophenyl phenyl ether
Concen: 1.90 ug/ml
RT: 9.981 min Scan# 1091
Delta R.T. 0.003 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:204 Resp: 62699

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	50.2	53.6	80.4#

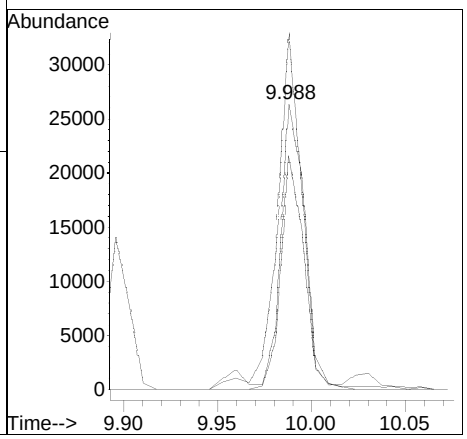


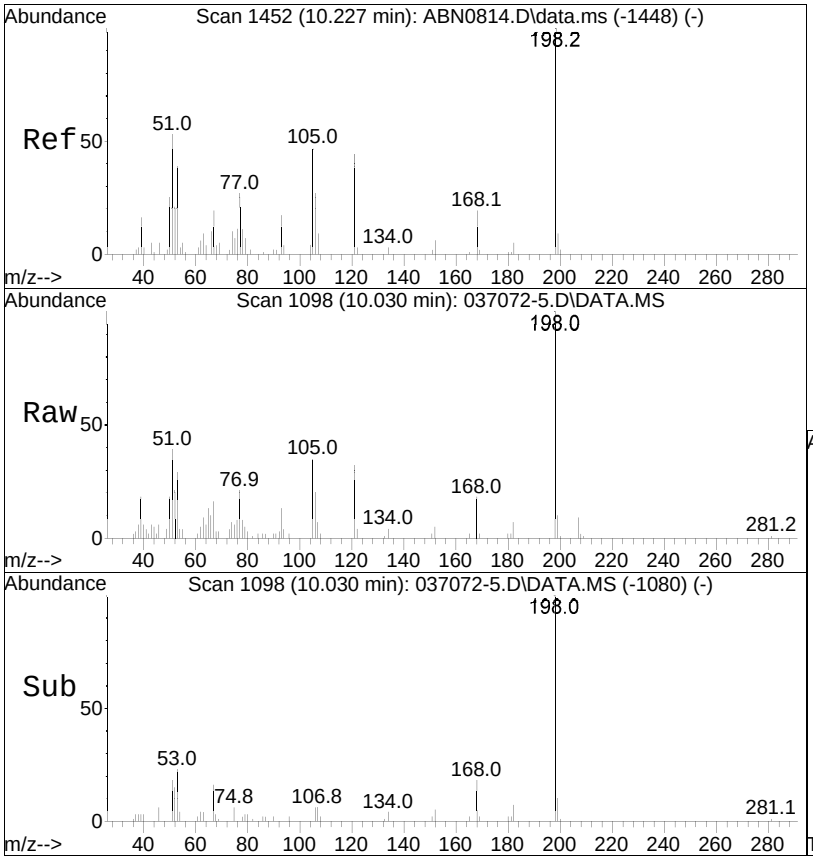


#75
4-Nitroaniline
Concen: 2.24 ug/ml
RT: 9.988 min Scan# 1092
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:138 Resp: 24860

Ion	Ratio	Lower	Upper
138	100		
108	75.8	52.1	78.1
65	121.1	115.0	172.6

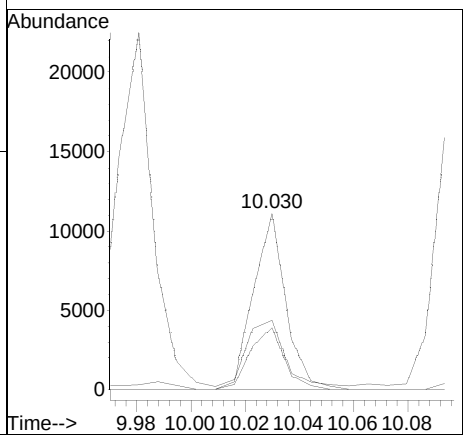


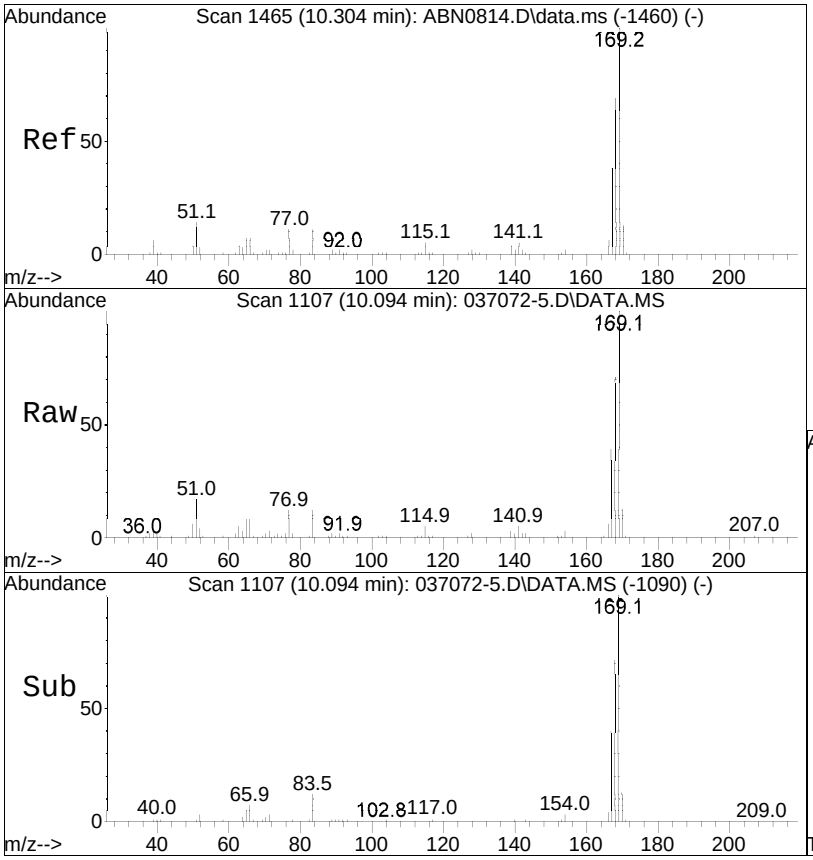


#76
4,6-Dinitro-o-cresol
Concen: 1.27 ug/ml
RT: 10.030 min Scan# 1098
Delta R.T. 0.003 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:198 Resp: 9206

Ion	Ratio	Lower	Upper
198	100		
51	44.2	76.0	114.0#
105	37.1	45.6	68.4#

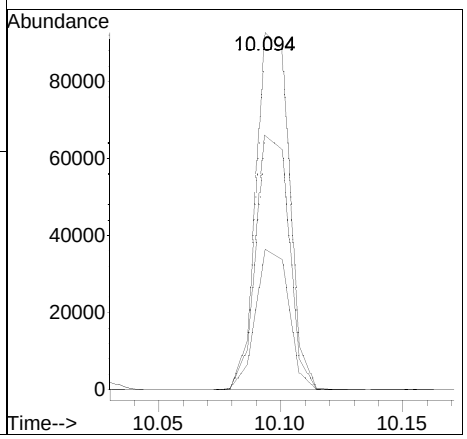


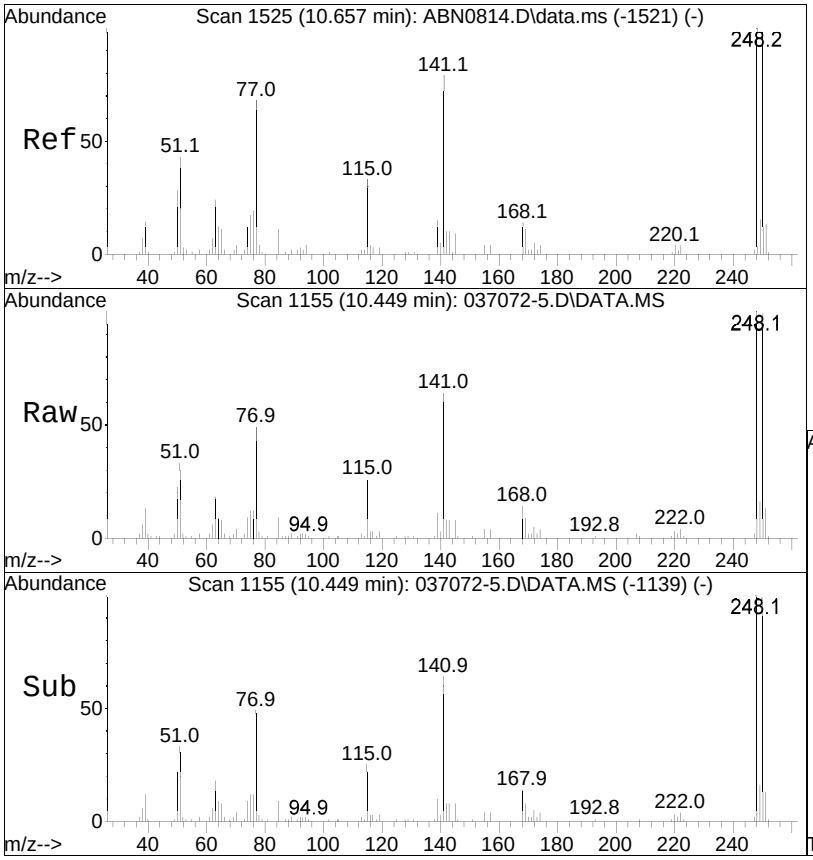


#77
NDPA/DPA
Concen: 1.62 ug/ml
RT: 10.094 min Scan# 1107
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:169 Resp: 87403

Ion	Ratio	Lower	Upper
169	100		
168	71.6	54.0	81.0
167	39.7	28.6	42.8

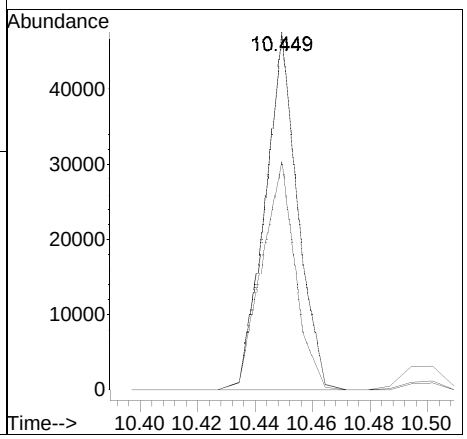


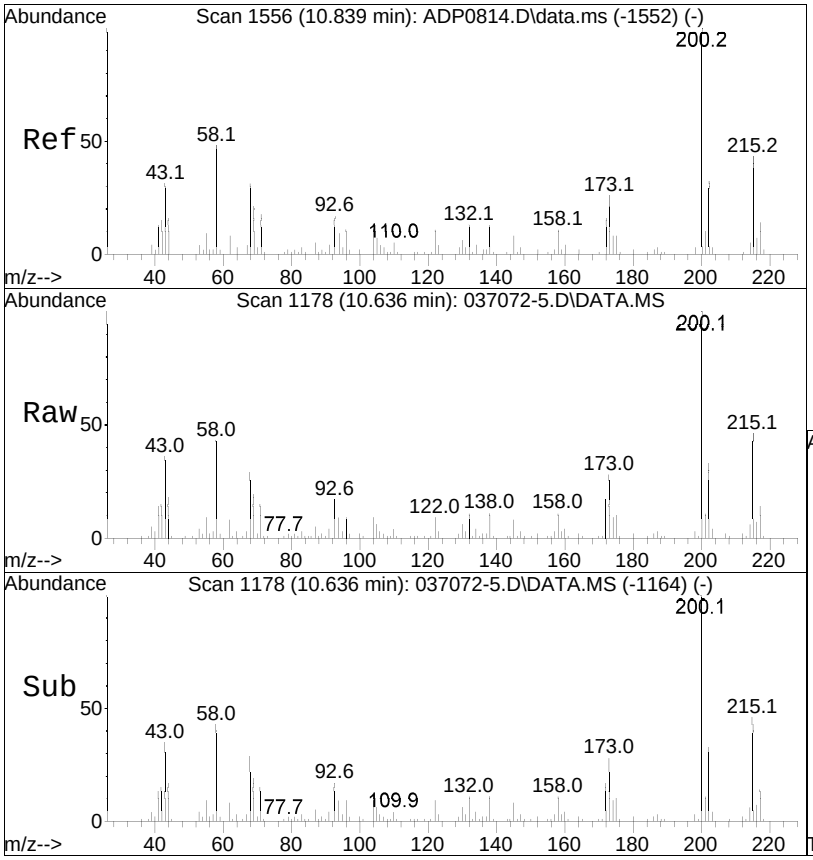


#80
4-Bromophenyl phenyl ether
Concen: 1.89 ug/ml
RT: 10.449 min Scan# 1155
Delta R.T. 0.003 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:248 Resp: 37401

Ion	Ratio	Lower	Upper
248	100		
141	65.3	76.6	114.8#
250	98.9	77.3	115.9

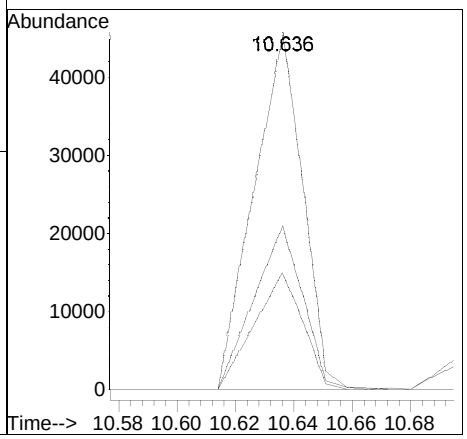


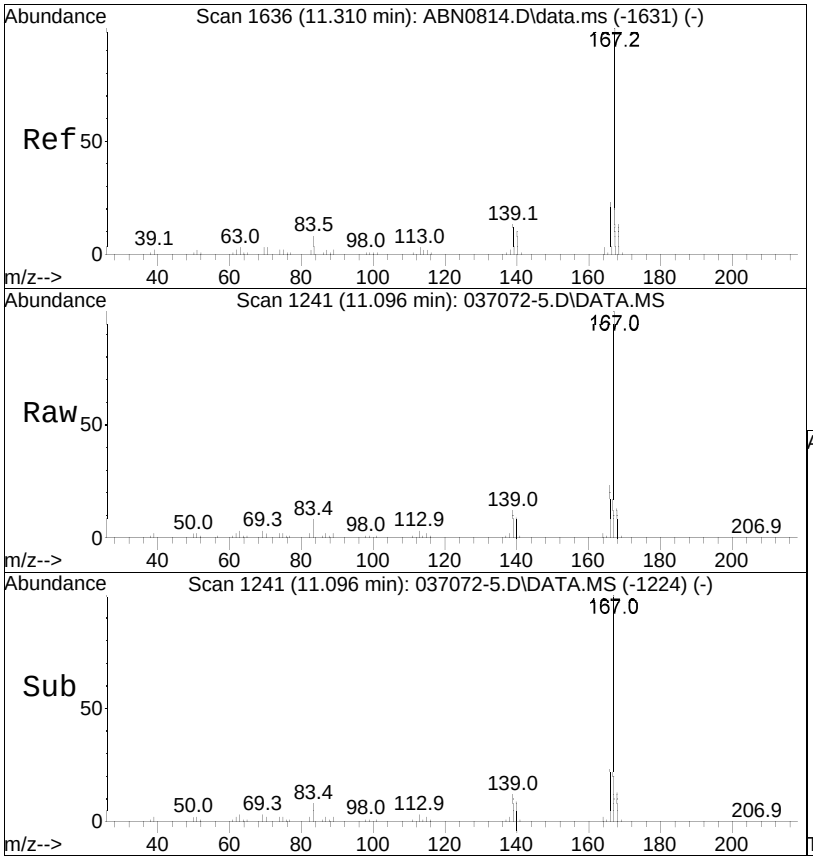


#87
Atrazine
Concen: 2.64 ug/ml
RT: 10.636 min Scan# 1178
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:200 Resp: 43134

Ion	Ratio	Lower	Upper
200	100		
202	32.8	25.8	38.6
215	43.4	40.2	60.4

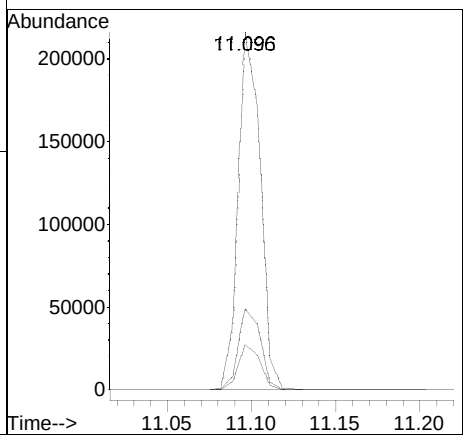


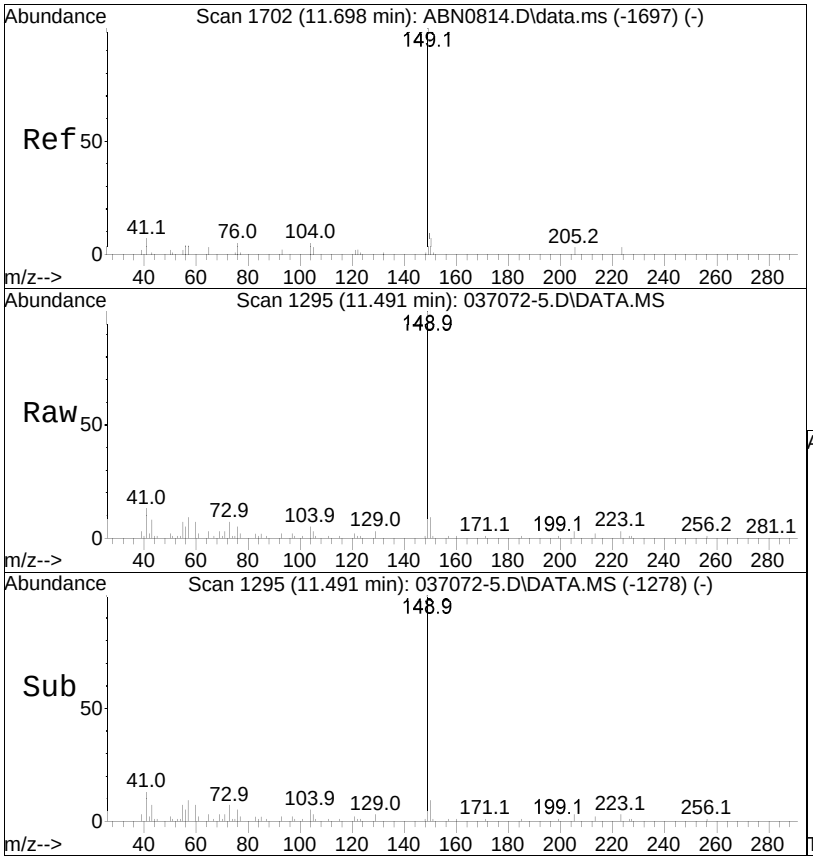


#91
Carbazole
Concen: 2.16 ug/ml
RT: 11.096 min Scan# 1241
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:167 Resp: 196089

Ion	Ratio	Lower	Upper
167	100		
168	12.7	10.6	15.8
166	22.8	17.4	26.0

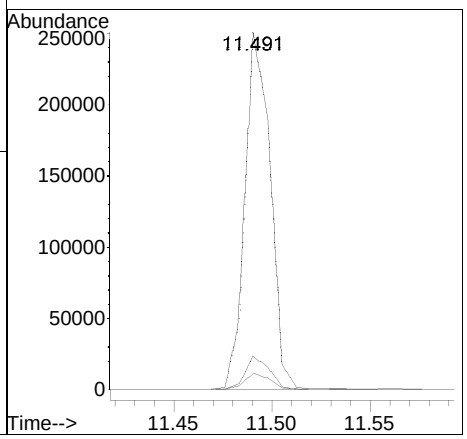


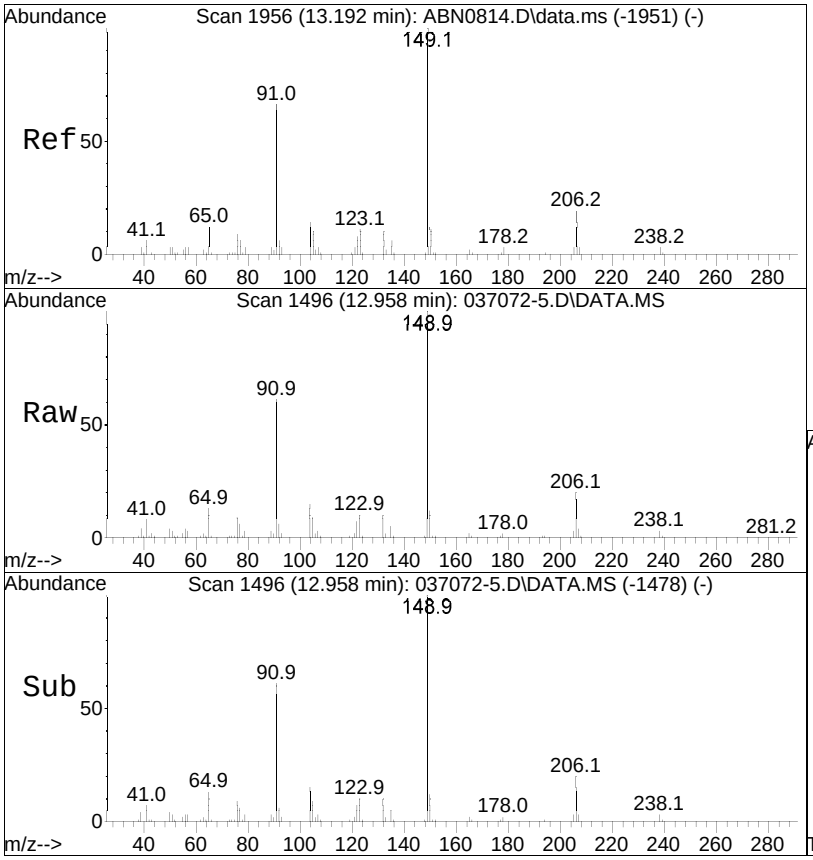


#92
Di-n-butylphthalate
Concen: 2.39 ug/ml
RT: 11.491 min Scan# 1295
Delta R.T. -0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:149 Resp: 222129

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.6	4.5	6.7

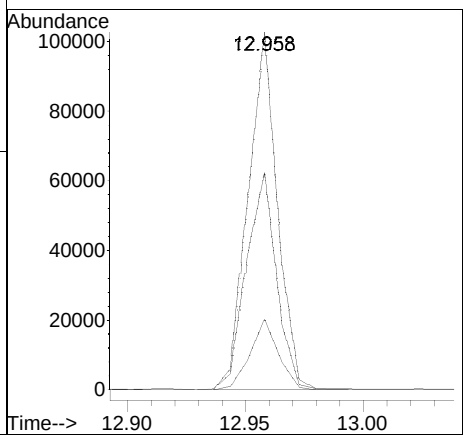


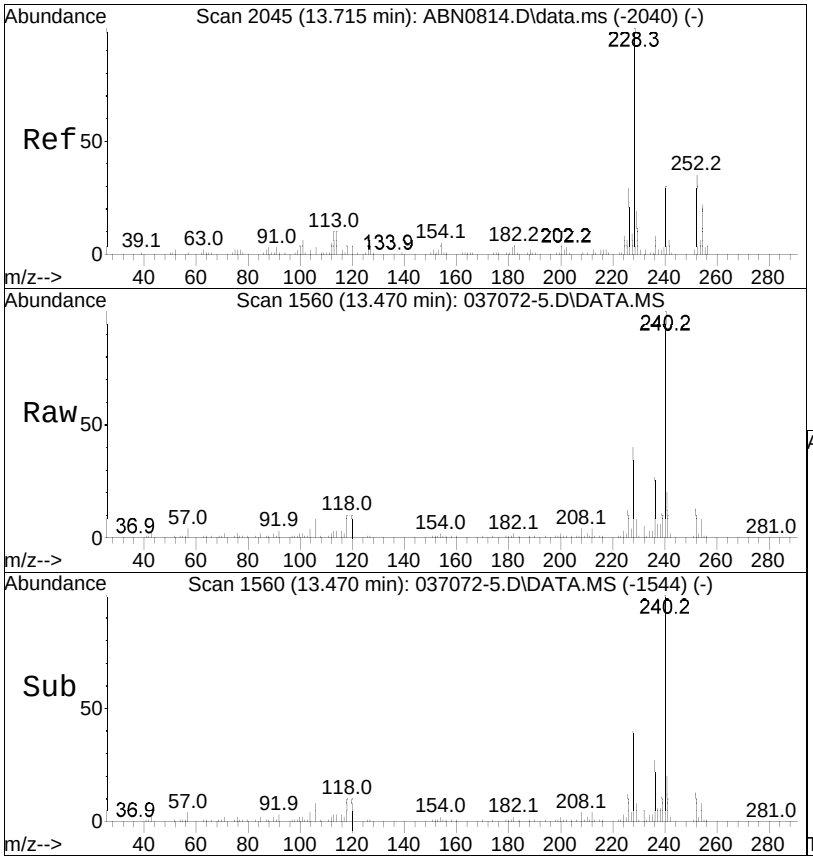


#97
Butyl benzyl phthalate
Concen: 2.20 ug/ml
RT: 12.958 min Scan# 1496
Delta R.T. 0.003 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:149 Resp: 87760

Ion	Ratio	Lower	Upper
149	100		
91	63.2	63.3	94.9#
206	19.2	13.9	20.9

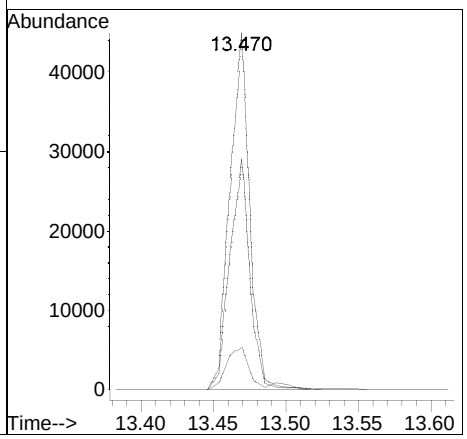


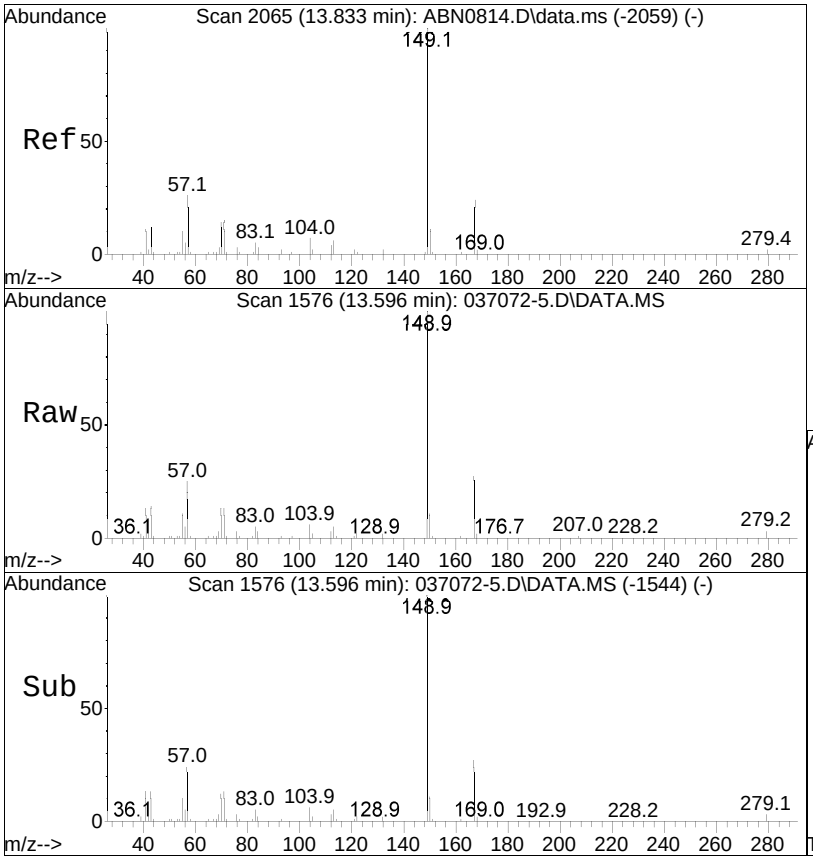


#106
3,3'-Dichlorobenzidine
Concen: 1.19 ug/ml
RT: 13.470 min Scan# 1560
Delta R.T. 0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:252 Resp: 42242

Ion	Ratio	Lower	Upper
252	100		
126	15.6	14.5	21.7
254	65.5	51.2	76.8

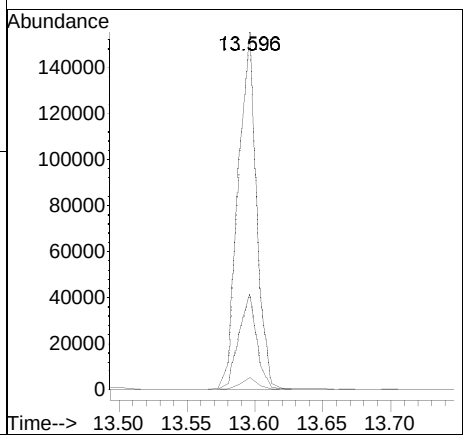


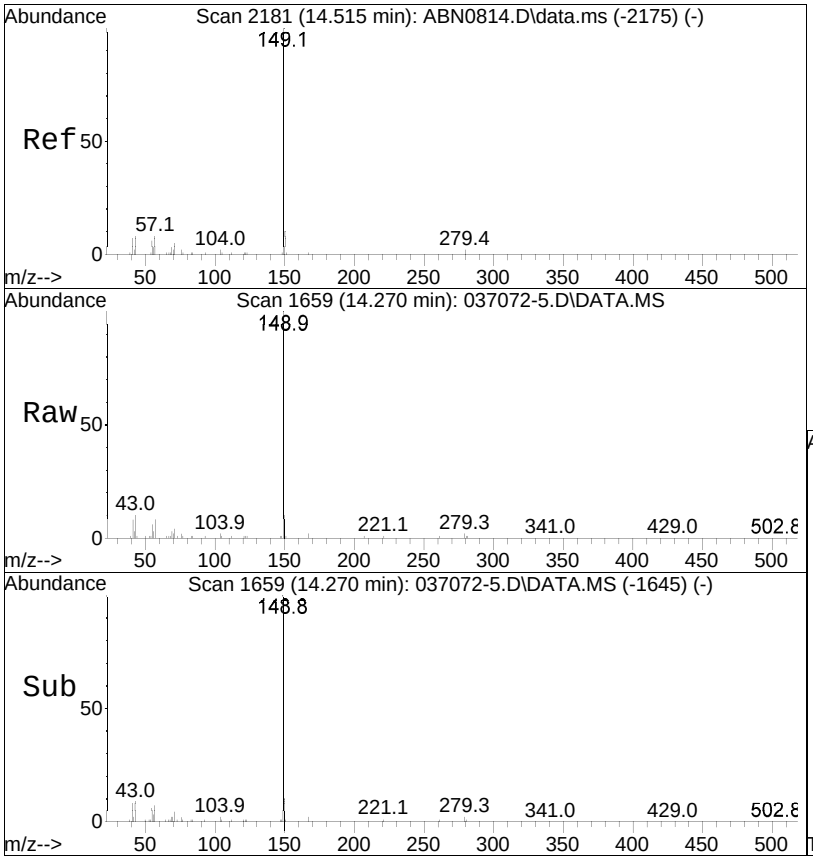


#108
Bis(2-ethylhexyl)phthalate
Concen: 2.43 ug/ml
RT: 13.596 min Scan# 1576
Delta R.T. 0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:149 Resp: 144272

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	2.9	3.0	4.4#

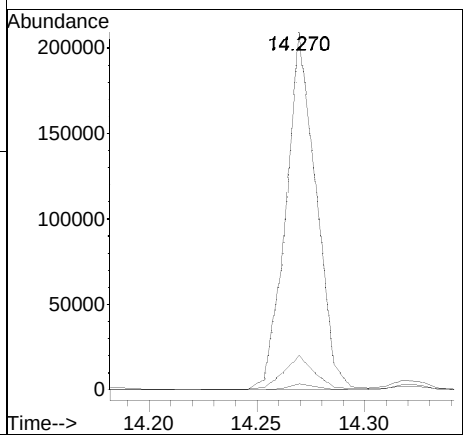




#109
Di-n-octylphthalate
Concen: 2.23 ug/ml
RT: 14.270 min Scan# 1659
Delta R.T. 0.004 min
Lab File: 037072-5.D
Acq: 6 Mar 2025 5:00 pm

Tgt Ion:149 Resp: 200885

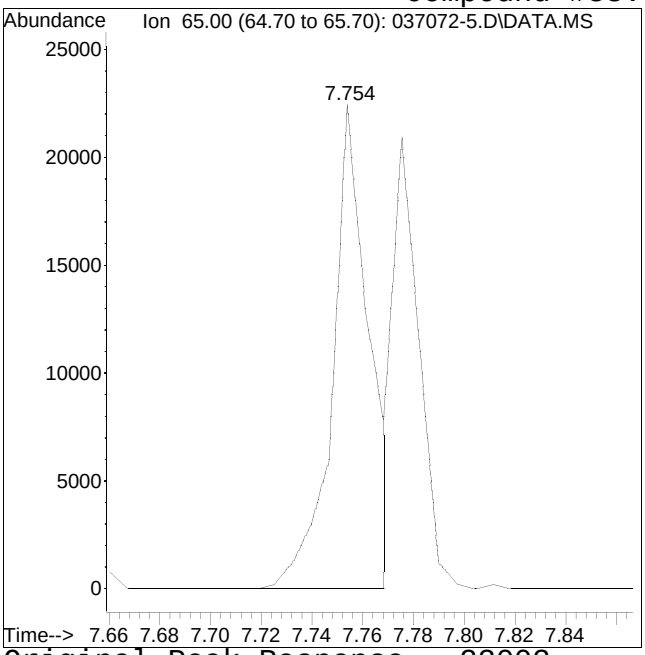
Ion	Ratio	Lower	Upper
149	100		
43	9.6	18.8	28.2#
167	1.5	1.3	1.9



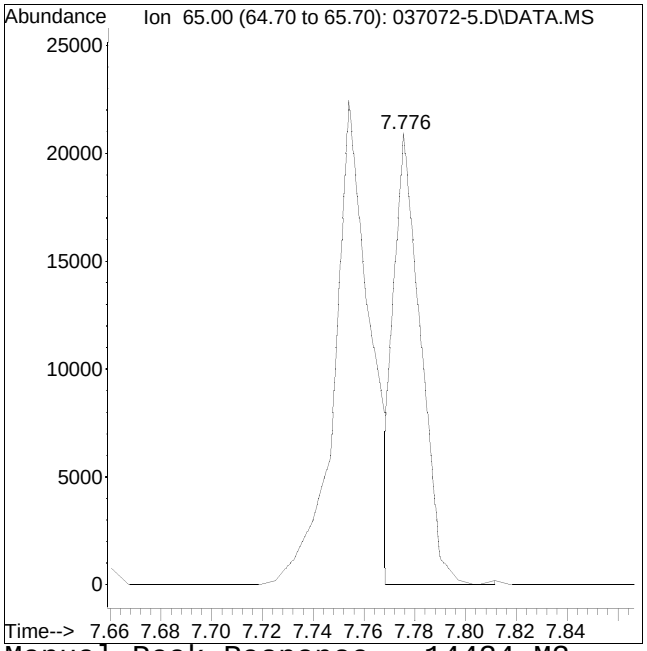
Manual Integration Report

Data Path : I:\8270\SV107\250306RVT\ QMethod : FS250303SV107RVT.m
Data File : 037072-5.D Operator : SV107:slr
Date Inj'd : 3/6/2025 5:00 pm Instrument : SV107
Sample : WG2037072-5,32,,gmr Quant Date : 3/6/2025 5:19 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 23003



Manual Peak Response = 14434 M3

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

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 09:16 am

Work Group: WG2037072 for Department: 2 Organic Preparation

Created: 05-MAR-25 Due: Operator: RSN

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2511689-01	TW-3	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511689-02	TW-1	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511689-03	TW-6	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-01	MW-11S	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-02	MW-10S	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-03	MW-10D	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-04	MW-13S	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-05	MW-13D	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-06	MW-1SR	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-07	MW-10R2	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-08	DUP_03042025	C	NYTCL-8270-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
WG2037072-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2037072-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2037072-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2037072-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2037072-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2037072-3	WG2037072-2
WG2037072-4	L2511944-06
WG2037072-5	L2511944-06

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 09:16 am

Work Group: WG2038540 for Department: 2 Organic Preparation

Created: 10-MAR-25 Due: Operator: NBD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2511944-09	EQUIPMENT BLANK	C	NYTCL-8270-RVT	WATER	DONE	U		0311 0311	S0	Amber-A.1
WG2038540-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2038540-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2038540-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2038540-3 WG2038540-2

Page 1

Dep.: GCMS
Inst: SV106
Date: **10/09/24**
Run: **ICAL**

Method
GC: 8270RV

Seq: **WG1984388**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune1 Lot# 11080				
1	ABNL9	IL2,32,,ABNL50 Lot# 11004				
2	ABNL8	IL3,32,,ABNL25 Lot# 11005				
3	ABNL7	IL4,32,,ABNL10 Lot# 11006				
4	ABNL6	IL5,32,,ABNL5 Lot# 11007				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11008				
6	ABNL4	IL7,32,,ABNL1 Lot# 11009				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11010				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11011				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11012				
10	AP9L9	IL2,32,,AP9L50 Lot# 11013				
11	AP9L8	IL3,32,,AP9L25 Lot# 11014				
12	AP9L7	IL4,32,,AP9L10 Lot# 11015				
13	AP9L6	IL5,32,,AP9L5 Lot# 11016				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11017				
15	AP9L4	IL7,32,,AP9L1 Lot# 11018				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11019				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11020				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11021				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11031				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11032				
141	Tune2	Tune2 Lot# 11080				
21	ADPL9	IL2,32,,ADPL50 Lot# 11022	RR, poor solvent delay			
22	ADPL8	IL3,32,,ADPL25 Lot# 11023	RR, poor solvent delay			
23	ADPL7	IL4,32,,ADPL10 Lot# 11024	RR, poor solvent delay			
24	ADPL6	IL5,32,,ADPL5 Lot# 11025	RR, poor solvent delay			
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11026	RR, poor solvent delay			
26	ADPL4	IL7,32,,ADPL1 Lot# 11027	RR, poor solvent delay			
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11028	RR, poor solvent delay			
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11029	RR, poor solvent delay			
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11030	RR, poor solvent delay			
30	ADPICV	CQICV3,32,,ADPICV Lot# 11033	RR, poor solvent delay			
31	Blank	RVT Instrument Blank			mrg	
141	Tune3	Tune3 Lot# 11080				
1	ADPL9	IL2,32,,ADPL50 Lot# 11022				
2	ADPL8	IL3,32,,ADPL25 Lot# 11023				
3	ADPL7	IL4,32,,ADPL10 Lot# 11024				
4	ADPL6	IL5,32,,ADPL5 Lot# 11025				
5	ADPL5	IL6,32,,ADPL2.5 Lot# 11026				
6	ADPL4	IL7,32,,ADPL1 Lot# 11027				
7	ADPL3	IL8,32,,ADPL0.5 Lot# 11028				
8	ADPL2	IL9,32,,ADPL0.2 Lot# 11029				
9	ADPL1	IL10,32,,ADPL0.1 Lot# 11030				
10	ADPICV	CQICV3,32,,ADPICV Lot# 11033				
11	Blank	RVT Instrument Blank			hny	

Dep.: GCMS
Inst: DAKOTA
Date: **11/05/24**
Run: ICAL

Method
GC: ABNRVT

Seq: WG1994500

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	Tune1	Tune1 Lot # 11144				
1	ABNL9	IL2,32,,ABNL50 Lot# 11111	**Passes Full List**			
2	ABNL8	IL3,32,,ABNL25 Lot# 11112				
3	ABNL7	IL4,32,,ABNL10 Lot# 11113				
4	ABNL6	IL5,32,,ABNL5 Lot# 11114				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11115				
6	ABNL4	IL7,32,,ABNL1 Lot# 11116				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11117				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11149				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11150				
10	AP9L9	IL2,32,,AP9L50 Lot# 11120				
11	AP9L8	IL3,32,,AP9L25 Lot# 11121				
12	AP9L7	IL4,32,,AP9L10 Lot# 11122				
13	AP9L6	IL5,32,,AP9L5 Lot# 11123				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11124				
15	AP9L4	IL7,32,,AP9L1 Lot# 11125				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11126				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11127				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11128				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11138				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11139				
100	Tune2	Tune2 Lot # 11144				
21	ADPL9	IL2,32,,ADPL50 Lot# 11129				
22	ADPL8	IL3,32,,ADPL25 Lot# 11130				
23	ADPL7	IL4,32,,ADPL10 Lot# 11131				
24	ADPL6	IL5,32,,ADPL5 Lot# 11132				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11133				
26	ADPL4	IL7,32,,ADPL1 Lot# 11134				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11135				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11136				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11137				
30	ADPICV	CQICV,32,,ADPICV Lot# 11140				
31	Blank	Instrument Blank				

Dep.: GCMS
Inst: **SV107**
Date: **03/04/25**
Run: **ICAL**

Method
GC: **8270RVT(SIM)**

Seq: **WG2037043**
ICAL: ICAL22052

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune lot #11424				
1	ABNL9	IL2,32,,ABNL50 Lot# 11425				
2	ABNL8	IL3,32,,ABNL25 Lot# 11426				
3	ABNL7	IL4,32,,ABNL10 Lot# 11427				
4	ABNL6	IL5,32,,ABNL5 Lot# 11428				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11429				
6	ABNL4	IL7,32,,ABNL1 Lot# 11430				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11431				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11432				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11433				
10	SIML5	IL5,32,,0.04 Lot# 11284				
11	SIML4	IL4,32,,0.01 Lot# 11285				
12	SIML3	IL3,32,,0.005 Lot# 11286				
13	SIML2	IL2,32,,0.002 Lot# 11287				
14	SIML1	IL1,32,,0.001 Lot# 11288				
15	ABNICV	CQICV1,32,,ABNICV Lot# 11452				
16	SIMICV	CQICV1,32,,1 Lot# 11275				
141	Tune2	Tune lot #11424				
17	AP9L9	IL2,32,,AP9L50 Lot# 11434				
18	AP9L8	IL3,32,,AP9L25 Lot# 11435				
19	AP9L7	IL4,32,,AP9L10 Lot# 11436				
20	AP9L6	IL5,32,,AP9L5 Lot# 11437				
21	AP9L5	IL6,32,,AP9L2.5 Lot# 11438				
22	AP9L4	IL7,32,,AP9L1 Lot# 11439				
23	AP9L3	IL8,32,,AP9L0.5 Lot# 11440				
24	AP9L2	IL9,32,,AP9L0.2 Lot# 11441				
25	AP9L1	IL10,32,,AP9L0.1 Lot# 11442				
26	ADPL9	IL2,32,,ADPL50 Lot# 11443				
27	ADPL8	IL3,32,,ADPL25 Lot# 11444				
28	ADPL7	IL4,32,,ADPL10 Lot# 11445				
29	ADPL6	IL5,32,,ADPL5 Lot# 11446				
30	ADPL5	IL6,32,,ADPL2.5 Lot# 11447				
31	ADPL4	IL7,32,,ADPL1 Lot# 11448				
32	ADPL3	IL8,32,,ADPL0.5 Lot# 11449				
33	ADPL2	IL9,32,,ADPL0.2 Lot# 11450				
34	ADPL1	IL10,32,,ADPL0.1 Lot# 11451				
35	AP9ICV	CQICV2,32,,AP9ICV Lot# 11453				
36	ADPICV	CQICV,32,,ADPICV Lot# 11454				
37	InstBlnk	Instrument Blank			mrg	

Dep.: GCMS
Inst: SV106
Date: **03/05/25**
Run: **Night-Run**

Method
GC: ABNRVT

Seq: **WG2037122**
ICAL: **21604**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0305n	wg-1,32,,Degdftpp Lot # 11339				imk 3/6
142	ABN0305n	wg-3,32,,ABN RVT CCV Lot # 11	**Full List – 2,4-Dimethylphenol Low**			imk 3/6
143	AP90305n	wg-4,32,,AP9 RVT CCV Lot # 11152				imk 3/6
144	ADP0305n	wg-5,32,,ADP RVT CCV Lot # 11153				imk 3/6
145	BLK0305n	wg-6,32,,RVT Instrument Blank				
1	037072-1	WG2037072-1,32,,ASK				smz 3/6
2	037072-2	WG2037072-2,32,,ASK				smz 3/6
3	037072-3	WG2037072-3,32,,ASK				smz 3/6
4	11315-01	L2511315-01,32,,ASK				smz 3/6
5	11338-01	L2511338-01,32,,ASK				smz 3/6
6	11299-01	L2511299-01,32,,ASK				smz 3/6
7	11496-01	L2511496-01,32,,ASK				smz 3/6
8	11496-02	L2511496-02,32,,ASK				smz 3/6
9	11496-03	L2511496-03,32,,ASK				smz 3/6
10	11529-01	L2511529-01,32,,ASK				smz 3/6
11	11497-01	L2511497-01,32,,ASK				smz 3/6
12	11497-11	L2511497-11,32,,ASK				smz 3/6
13	11497-12	L2511497-12,32,,ASK				smz 3/6
14	11497-13	L2511497-13,32,,ASK				smz 3/6
15	11578-01	L2511578-01,32,,ASK				smz 3/6
16	11944-01	L2511944-01,32,,ASK			**AK/sv-gr**	smz 3/6
17	037169-2	WG2037169-2,32,,gmr				imk 3/6
18	037169-3	WG2037169-3,32,,gmr				imk 3/6
19	037169-1	WG2037169-1,32,,gmr				imk 3/6
20	11740-09	L2511740-09,32,,R3B,gmr				imk 3/6
21	11740-10	L2511740-10,32,,R3B,gmr				imk 3/6
22	11944-02	L2511944-02,32,,ASK			**gmr**	smz 3/6
23	0957-02d	L2510957-02d,32,20,rr			**sv-imk**	imk 3/6
24	11944-03	L2511944-03,32,,ASK				smz 3/6
25	11944-04	L2511944-04,32,,ASK				smz 3/6
26	11944-05	L2511944-05,32,,ASK			**smz**	smz 3/6
					sv-imk	

Dep.: GCMS
Inst: **SV107**
Date: **03/06/25**
Run:

Method
GC: **8270RVT(SIM)**

Seq: **WG2037390**
ICAL: 22052

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0306	wg-1,32,,Degdftpp Lot # 11424				slr 3/7
142	ABN0306	wg-3,32,,ABN 11297 gmr0304A	**Passing Full List**			slr 3/7
143	AP90306	wg-4,32,,AP9 11152 gmr0304A				slr 3/7
144	ADP0306	wg-5,32,,ADP 11153 gmr0304A				slr 3/7
1	037176-1	WG2037176-1,32,,gmr				slr 3/7
2	037176-2	WG2037176-2,32,,gmr				slr 3/7
3	037176-3	WG2037176-3,32,,gmr				slr 3/7
4	11197-03	L2511197-03,32,,RR,gmr				slr 3/7
5	11250-01	L2511250-01,32,,gmr				slr 3/7
6	11250-02	L2511250-02,32,,gmr			**gmr**	slr 3/7
7	036125-3	WG2036125-3,32,,mrg				
8	036125-2	WG2036125-2,32,,mrg				
9	00432-32	L2500432-32,32,,mrg				
10	11250-03	L2511250-03,32,,gmr				slr 3/7
11	11258-01	L2511258-01,32,,gmr				slr 3/7
12	037072-4	WG2037072-4,32,,gmr				slr 3/7
13	037072-5	WG2037072-5,32,,gmr				slr 3/7
14	11944-06	L2511944-06,32,,gmr				slr 3/7
15	11944-07	L2511944-07,32,,gmr				slr 3/7
16	11944-08	L2511944-08,32,,gmr				slr 3/7
17	11944-09	L2511944-09,32,,gmr				slr 3/7
18	11689-01	L2511689-01,32,,gmr				slr 3/7
19	11689-02	L2511689-02,32,,gmr				slr 3/7
20	11689-03	L2511689-03,32,,gmr				slr 3/7
21	10791-01	L2510791-01,32,,gmr				slr 3/7
22	11943-01	L2511943-01,32,,gmr				slr 3/7
23	11943-02	L2511943-02,32,,gmr				slr 3/7
24	11943-03	L2511943-03,32,,gmr			**mrg**	slr 3/7
					sv-ljg	

Dep.: GCMS
Inst: DAKOTA
Date: **03/10/25**
Run: **N**

Method
GC: ABNRVT

Seq: **WG2038779**
ICAL: 21680

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG0310n	wg-1,32,,Degdftpp Lot #11459				ljg 3/11
96	ABN0310n	wg-3,32,,ABN 11297 gmr0304A				ljg 3/11
97	AP90310n	wg-4,32,,AP9 11152 gmr0304A				ljg 3/11
98	ADP0310n	wg-5,32,,ADP 11153 gmr0304A				ljg 3/11
1	038441-1	WG2038441/540-1,32,,mrg				ljg 3/11
2	11461	RVT Spike1 Test				
3	038441-2	WG2038441/540-2,32,,mrg				ljg 3/11
4	038441-3	WG2038441/540-3,32,,mrg				ljg 3/11
5	038223-1	WG2038223-1,32,,mrg				
6	11944-09	L2511944-09,32,,RE,mrg				ljg 3/11
7	10265-06	L2510265-06,32,,mrg				ljg 3/11
8	10265-04	L2510265-04,32,,mrg				ljg 3/11
9	10265-03	L2510265-03,32,,mrg				ljg 3/11
10	11972-06	L2511972-06,32,,mrg				ljg 3/11
11	11972-05	L2511972-05,32,,mrg				ljg 3/11
12	11972-04	L2511972-04,32,,mrg				ljg 3/11
13	11972-03	L2511972-03,32,,mrg				ljg 3/11
14	11972-02	L2511972-02,32,,mrg				ljg 3/11
15	11972-01	L2511972-01,32,,mrg				ljg 3/11
16	11651-01	L2511651-01,32,,mrg				ljg 3/11
17	12925-09	L2512925-09,32,,R3B,mrg				
18	12925-10	L2512925-10,32,,R3B,mrg				
19	12081-01	L2512081-01,32,,mrg				
20	12081-02	L2512081-02,32,,mrg				
21	12081-03	L2512081-03,32,,mrg				
22	12081-04	L2512081-04,32,,mrg				
23	12081-05	L2512081-05,32,,mrg				
24	12081-06	L2512081-06,32,,mrg			**sv-ljg**	
25	12081-07	L2512081-07,32,,mrg				
26	12081-08	L2512081-08,32,,mrg				
27	12081-09	L2512081-09,32,,mrg			**mrg**	

ORGANIC ELN REPORT

Workgroup: WG2038540

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ756
Surrogate Type: ABN **Lot #:** 11378ab,08/11/2025,2c,7,7
Spike Type: ABN **Lot #:** 11219au-061925, 11220af,03/3
Spike Verify by: NBD
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A010625
Na2SO4	23K2961078
NaOH	10NNaOH010625

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ756

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2511944-09 WATER	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1		03/10/25 11:51	Grace Tran	1	K
WG2038540-1 BLANK	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1		03/10/25 11:51	Grace Tran	1	K
	WG2038441,WG2038442,WG2038540,WG2038541									
WG2038540-2 LCS	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1	.1	03/10/25 11:51	Grace Tran	1	K
WG2038540-3 LCSD	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1	.1	03/10/25 11:51	Grace Tran	1	K

Reported: 11-MAR-25 09:16 AM

ORGANIC ELN REPORT

Workgroup: WG2037072

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ756
Surrogate Type: ABN **Lot #:** 11269cd,06/20/2025,4c,7,1
Spike Type: ABN **Lot #:** 11219ao,06/19/2025, 11220AI,(
Spike Verify by: RSN
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A010625
Na2SO4	23K2961078
NaOH	10NNaOH010625

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ756

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
L2511689-01 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511689-02 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511689-03 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-01 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-02 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-03 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K

Reported: 11-MAR-25 09:16 AM

ORGANIC ELN REPORT

Workgroup: WG2037072

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
L2511944-04 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-05 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-06 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-07 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-08 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-09	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
WG2037072-1 BLANK	03/05/25 16:58 **WG2037073**	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037072-2 LCS	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K

Reported: 11-MAR-25 09:16 AM

ORGANIC ELN REPORT

Workgroup: WG2037072

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
WG2037072-3 LCSD	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037072-4 MS	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037072-5 MSD	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM MATERIALS

Lab Number: L2511944
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-11S (L2511944-01)	29	30	69	66	55	94	0
MW-10S (L2511944-02)	47	40	90	78	77	93	0
MW-10D (L2511944-03)	76	57	112	98	128*	112	1
MW-13S (L2511944-04)	71	51	105	93	125*	109	1
MW-13D (L2511944-05)	56	49	104	92	89	103	0
MW-1SR (L2511944-06)	67	50	112	96	111	110	0
MW-10R2 (L2511944-07)	76	55	106	93	133*	113	1
DUP_03042025 (L2511944-08)	68	51	100	88	112	104	0
EQUIPMENT BLANK (L2511944-09)	87	68	107	95	108	94	0
WG2037073-1BLANK	46	42	101	96	74	120	0
WG2037073-2LCS	53	45	86	82	89	74	0
WG2037073-3LCSD	50	42	79	74	80	65	0
MW-1SRMS	79	63	102	87	127*	100	1
MW-1SRMSD	51	47	92	80	76	91	0
WG2038541-1BLANK	66	50	87	74	83	75	0
WG2038541-2LCS	80	64	97	83	113	81	0
WG2038541-3LCSD	77	61	91	77	102	76	0

QC LIMITS

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

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2037073-2 **Analysis Date** : 03/06/25 12:22	**File ID**	: 37073-2
LCSD Sample ID	: WG2037073-3 **Analysis Date** : 03/06/25 12:39	**File ID**	: 37073-3

	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
Acenaphthene	20	14	72	20	13	66	9	40-140	40
2-Chloronaphthalene	20	15	75	20	14	68	10	40-140	40
Fluoranthene	20	16	82	20	14	73	12	40-140	40
Hexachlorobutadiene	20	11	54	20	9.8	49	10	40-140	40
Naphthalene	20	13	65	20	12	59	10	40-140	40
Benzo(a)anthracene	20	17	85	20	15	74	14	40-140	40
Benzo(a)pyrene	20	20	99	20	18	88	12	40-140	40
Benzo(b)fluoranthene	20	18	91	20	16	81	12	40-140	40
Benzo(k)fluoranthene	20	18	91	20	16	80	13	40-140	40
Chrysene	20	17	86	20	15	77	11	40-140	40
Acenaphthylene	20	18	90	20	16	82	9	40-140	40
Anthracene	20	17	85	20	15	75	13	40-140	40
Benzo(ghi)perylene	20	22	112	20	20	100	11	40-140	40
Fluorene	20	16	80	20	14	72	11	40-140	40
Phenanthrene	20	16	82	20	14	72	13	40-140	40
Dibenzo(a,h)anthracene	20	24	121	20	22	108	11	40-140	40
Indeno(1,2,3-cd)pyrene	20	25	126	20	22	113	11	40-140	40
Pyrene	20	16	79	20	14	69	14	40-140	40
2-Methylnaphthalene	20	14	70	20	13	64	9	40-140	40
Pentachlorophenol	20	15	76	20	14	72	5	40-140	40
Hexachlorobenzene	20	17	86	20	15	77	11	40-140	40
Hexachloroethane	20	11	56	20	10	51	9	40-140	40
Bis(2-chloroethyl)ether	20	15	74	20	14	68	8	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2038541-2 **Analysis Date** : 03/10/25 14:59	**File ID**	: 038541-2
LCSD Sample ID	: WG2038541-3 **Analysis Date** : 03/10/25 15:16	**File ID**	: 038541-3

	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
Acenaphthene	20	17	84	20	16	81	4	40-140	40
2-Chloronaphthalene	20	15	77	20	15	74	4	40-140	40
Fluoranthene	20	17	84	20	16	80	5	40-140	40
Hexachlorobutadiene	20	11	55	20	11	55	0	40-140	40
Naphthalene	20	14	72	20	14	72	0	40-140	40
Benzo(a)anthracene	20	19	94	20	18	88	7	40-140	40
Benzo(a)pyrene	20	20	101	20	19	95	6	40-140	40
Benzo(b)fluoranthene	20	19	93	20	17	87	7	40-140	40
Benzo(k)fluoranthene	20	18	93	20	18	89	4	40-140	40
Chrysene	20	18	88	20	16	83	6	40-140	40
Acenaphthylene	20	18	90	20	17	86	5	40-140	40
Anthracene	20	18	92	20	17	86	7	40-140	40
Benzo(ghi)perylene	20	24	119	20	22	111	7	40-140	40
Fluorene	20	18	92	20	18	88	4	40-140	40
Phenanthrene	20	18	88	20	16	82	7	40-140	40
Dibenzo(a,h)anthracene	20	23	115	20	21	107	7	40-140	40
Indeno(1,2,3-cd)pyrene	20	23	117	20	22	109	7	40-140	40
Pyrene	20	16	82	20	16	79	4	40-140	40
2-Methylnaphthalene	20	14	68	20	13	67	1	40-140	40
Pentachlorophenol	20	19	94	20	17	85	10	40-140	40
Hexachlorobenzene	20	17	84	20	16	79	6	40-140	40
Hexachloroethane	20	13	66	20	13	66	0	40-140	40
Bis(2-chloroethyl)ether	20	17	86	20	17	84	2	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/07/25 19:09
Matrix Spike	: WG2037073-4	**MS Analysis Date**	: 03/07/25 19:26
Matrix Spike Dup	: WG2037073-5	**MSD Analysis Date**	: 03/07/25 19:43

		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
Acenaphthene	ND	20	20	100	20	18	90	11	40-140	40
2-Chloronaphthalene	ND	20	18	90	20	16	80	12	40-140	40
Fluoranthene	ND	20	23	120	20	21	110	9	40-140	40
Hexachlorobutadiene	ND	20	13	65	20	11	55	17	40-140	40
Naphthalene	ND	20	18	90	20	15	75	18	40-140	40
Benzo(a)anthracene	ND	20	24	120	20	22	110	9	40-140	40
Benzo(a)pyrene	ND	20	25	130	20	23	120	8	40-140	40
Benzo(b)fluoranthene	ND	20	24	120	20	22	110	9	40-140	40
Benzo(k)fluoranthene	ND	20	23	120	20	22	110	4	40-140	40
Chrysene	ND	20	22	110	20	21	110	5	40-140	40
Acenaphthylene	ND	20	21	110	20	19	95	10	40-140	40
Anthracene	ND	20	23	120	20	20	100	14	40-140	40
Benzo(ghi)perylene	ND	20	31	160 Q	20	28	140	10	40-140	40
Fluorene	ND	20	22	110	20	20	100	10	40-140	40
Phenanthrene	ND	20	22	110	20	20	100	10	40-140	40
Dibenzo(a,h)anthracene	ND	20	31	160 Q	20	29	150 Q	7	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	31	160 Q	20	29	150 Q	7	40-140	40
Pyrene	ND	20	23	120	20	20	100	14	40-140	40
2-Methylnaphthalene	ND	20	16	80	20	14	70	13	40-140	40
Pentachlorophenol	ND	20	22	110	20	11	55	67 Q	40-140	40
Hexachlorobenzene	ND	20	21	110	20	18	90	15	40-140	40
Hexachloroethane	ND	20	15	75	20	13	65	14	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/07/25 19:09
Matrix Spike	: WG2037073-4	**MS Analysis Date**	: 03/07/25 19:26
Matrix Spike Dup	: WG2037073-5	**MSD Analysis Date**	: 03/07/25 19:43

		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**
Bis(2-chloroethyl)ether	ND	20	21	110	20	19	95	10	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2037073-1	**Lab File ID**	: 037073-1
Instrument ID	: SV118	**Extraction Date**	: 03/05/25
Matrix	: WATER	**Analysis Date**	: 03/06/25 08:09
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2037073-2LCS	WG2037073-2	03/06/25 12:22
WG2037073-3LCSD	WG2037073-3	03/06/25 12:39
MW-11S	L2511944-01	03/06/25 16:14
MW-10S	L2511944-02	03/06/25 16:31
MW-10D	L2511944-03	03/06/25 17:05
MW-13S	L2511944-04	03/06/25 17:22
MW-13D	L2511944-05	03/06/25 17:39
MW-1SR	L2511944-06	03/07/25 19:09
MW-1SRMS	WG2037073-4	03/07/25 19:26
MW-1SRMSD	WG2037073-5	03/07/25 19:43
MW-10R2	L2511944-07	03/07/25 19:59
DUP_03042025	L2511944-08	03/07/25 20:16

Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab Sample ID	: WG2038541-1	**Lab File ID**	: 038541-1
Instrument ID	: SV119	**Extraction Date**	: 03/10/25
Matrix	: WATER	**Analysis Date**	: 03/10/25 15:33
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2038541-2LCS	WG2038541-2	03/10/25 14:59
WG2038541-3LCSD	WG2038541-3	03/10/25 15:16
EQUIPMENT BLANK	L2511944-09	03/10/25 15:50

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 12/29/24 13:20
Tune Standard	: R1917140-11	**Tune File ID**	: TUNEa_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	58
68	Less than 2.0% of mass 69	0.8 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	54.8
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	25.6
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	78.7
443	15.0 - 24.0% of mass 442	13.7 (17.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1917140-2	L10	12/29/24 13:37
L9	R1917140-10	L9	12/29/24 13:53
L8	R1917140-9	L8	12/29/24 14:10
L7	R1917140-7	L7	12/29/24 14:27
L6	R1917140-8	L6	12/29/24 14:44
L5	R1917140-6	L5	12/29/24 15:01
L4	R1917140-5	L4	12/29/24 15:18
L3	R1917140-4	L3	12/29/24 15:35
L2	R1917140-3	L2	12/29/24 15:52
L1	R1917140-1	L1	12/29/24 16:09
ICV Quant Report	R1917140-12	ICV	12/29/24 16:26

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/06/25 06:23
Tune Standard	: WG2037227-1	**Tune File ID**	: deg0306a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	46.7
68	Less than 2.0% of mass 69	0.8 (1.9)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	53.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 60.0% of Base Peak	24.3
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	74
443	15.0 - 24.0% of mass 442	13.6 (18.4)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037227-4TFACTOR-B	WG2037227-4	DEG0306A	03/06/25 06:23
WG2037227-5TFACTOR-P	WG2037227-5	DEG0306A	03/06/25 06:23
WG2037227-3CCAL	WG2037227-3	CCV0306	03/06/25 06:40
MW-11S	L2511944-01	11944-01	03/06/25 16:14
MW-10S	L2511944-02	11944-02	03/06/25 16:31
MW-10D	L2511944-03	11944-03	03/06/25 17:05
MW-13S	L2511944-04	11944-04	03/06/25 17:22
MW-13D	L2511944-05	11944-05	03/06/25 17:39

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/07/25 08:32
Tune Standard	: WG2037750-1	**Tune File ID**	: deg0307a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	54.5
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	56.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	21.9
365	Greater than 1.0% of mass 198	2.2
441	Present, but less than 24% of mass 442	19.7
442	Base Peak, or >50% of mass 198	60.1
443	15.0 - 24.0% of mass 442	11 (18.3)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037750-4TFACTOR-B	WG2037750-4	DEG0307A	03/07/25 08:32
WG2037750-5TFACTOR-P	WG2037750-5	DEG0307A	03/07/25 08:32
WG2037750-3CCAL	WG2037750-3	CCV0307	03/07/25 08:50
MW-1SR	L2511944-06	11944-06	03/07/25 19:09
WG2037073-4MS	WG2037073-4	037073-4	03/07/25 19:26
WG2037073-5MSD	WG2037073-5	037073-5	03/07/25 19:43
MW-10R2	L2511944-07	11944-07	03/07/25 19:59
DUP_03042025	L2511944-08	11944-08	03/07/25 20:16

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/10/25 06:19
Tune Standard	: WG2038430-1	**Tune File ID**	: deg0310_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	55.2
68	Less than 2.0% of mass 69	0.9 (1.9)1
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	61.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.2
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	20.1
442	Base Peak, or >50% of mass 198	67.4
443	15.0 - 24.0% of mass 442	13.6 (20.2)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2038430-4TFACTOR-B	WG2038430-4	DEG0310	03/10/25 06:19
WG2038430-5TFACTOR-P	WG2038430-5	DEG0310	03/10/25 06:19
WG2038430-3CCAL	WG2038430-3	CCV0310	03/10/25 06:36
WG2038541-2LCS	WG2038541-2	038541-2	03/10/25 14:59
WG2038541-3LCSD	WG2038541-3	038541-3	03/10/25 15:16
WG2038541-1BLANK	WG2038541-1	038541-1	03/10/25 15:33
EQUIPMENT BLANK	L2511944-09	11944-09	03/10/25 15:50

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV118	**Analysis Date**	: 02/03/25 15:28
Tune Standard	: R1929042-11	**Tune File ID**	: TUNEa_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52
68	Less than 2.0% of mass 69	0.6 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	52.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	25.7
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	78
443	15.0 - 24.0% of mass 442	14.7 (18.8)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1929042-2	L10	02/03/25 15:47
L9	R1929042-10	L9	02/03/25 16:04
L8	R1929042-7	L8	02/03/25 16:20
L7	R1929042-9	L7	02/03/25 16:38
L6	R1929042-8	L6	02/03/25 16:55
L5	R1929042-6	L5	02/03/25 17:12
L4	R1929042-5	L4	02/03/25 17:29
L3	R1929042-4	L3	02/03/25 17:46
L2	R1929042-3	L2	02/03/25 18:03
L1	R1929042-1	L1	02/03/25 18:20
ICV Quant Report	R1929042-12	ICV	02/03/25 18:37

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

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV118	**Analysis Date**	: 03/06/25 07:01
Tune Standard	: WG2037249-1	**Tune File ID**	: deg0306b_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	42.1
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	50.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.2
275	10.0 - 60.0% of Base Peak	26.9
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	95.5
443	15.0 - 24.0% of mass 442	18.5 (19.3)2

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

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

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2037249-4TFACTOR-B	WG2037249-4	DEG0306B	03/06/25 07:01
WG2037249-5TFACTOR-P	WG2037249-5	DEG0306B	03/06/25 07:01
WG2037249-3CCAL	WG2037249-3	CCV0306A	03/06/25 07:17
WG2037073-1BLANK	WG2037073-1	037073-1	03/06/25 08:09
WG2037073-2LCS	WG2037073-2	37073-2	03/06/25 12:22
WG2037073-3LCSD	WG2037073-3	37073-3	03/06/25 12:39

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/06/25 06:40:00
Sample No	: WG2037227-3	**Lab File ID**	: CCV0306

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2037227-3	292191	2.20	1182863	2.86	685201	3.83
Upper Limit	584382	2.70	2365726	3.36	1370402	4.33
Lower Limit	146096	1.70	591432	2.36	342601	3.33
Sample ID						
MW-11S	191102	2.21	751195	2.86	444106	3.83
MW-10S	220758	2.21	872145	2.86	505875	3.83
MW-10D	178151	2.21	714525	2.86	431921	3.83
MW-13S	222131	2.21	875757	2.86	518949	3.83
MW-13D	205760	2.21	825796	2.86	500468	3.83

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/06/25 06:40:00
Sample No	: WG2037227-3	**Lab File ID**	: CCV0306

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2037227-3	1483480	4.66	1506958	6.20	1589828	7.38
Upper Limit	2966960	5.16	3013916	6.70	3179656	7.88
Lower Limit	741740	4.16	753479	5.70	794914	6.88
Sample ID						
MW-11S	950188	4.67	897519	6.20	873300	7.37
MW-10S	1077739	4.66	1019683	6.20	955867	7.38
MW-10D	962067	4.67	908677	6.20	858694	7.37
MW-13S	1116276	4.66	1048886	6.20	962032	7.37
MW-13D	1094754	4.67	1029194	6.20	951451	7.37

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV118	**Analysis Date**	: 03/06/25 07:17:00
Sample No	: WG2037249-3	**Lab File ID**	: CCV0306A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2037249-3	304898	2.31	1185674	3.00	695826	3.98
Upper Limit	609796	2.81	2371348	3.50	1391652	4.48
Lower Limit	152449	1.81	592837	2.50	347913	3.48
Sample ID						
WG2037073-1 BLANK	188505	2.31	726865	2.99	415112	3.98
WG2037073-2 LCS	231143	2.32	976171	3.00	601846	3.98
WG2037073-3 LCSD	242304	2.31	1026934	2.99	641377	3.98

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV118	**Analysis Date**	: 03/06/25 07:17:00
Sample No	: WG2037249-3	**Lab File ID**	: CCV0306A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2037249-3	1439780	4.82	1382767	6.35	1363554	7.58
Upper Limit	2879560	5.32	2765534	6.85	2727108	8.08
Lower Limit	719890	4.32	691384	5.85	681777	7.08
Sample ID						
WG2037073-1 BLANK	879169	4.82	925631	6.35	868914	7.57
WG2037073-2 LCS	1154542	4.82	955462	6.35	1152571	7.58
WG2037073-3 LCSD	1222111	4.82	1003821	6.35	1226809	7.58

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/07/25 08:50:00
Sample No	: WG2037750-3	**Lab File ID**	: CCV0307

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2037750-3	289180	2.20	1098212	2.86	628673	3.83
Upper Limit	578360	2.70	2196424	3.36	1257346	4.33
Lower Limit	144590	1.70	549106	2.36	314337	3.33
Sample ID						
MW-1SR	194466	2.21	774360	2.86	440700	3.83
MW-1SR MS	212765	2.21	842328	2.86	484550	3.83
MW-1SR MSD	217217	2.21	866273	2.86	505837	3.83
MW-10R2	184022	2.21	711602	2.86	405764	3.83
DUP_03042025	184562	2.21	716891	2.86	414471	3.83

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/07/25 08:50:00
Sample No	: WG2037750-3	**Lab File ID**	: CCV0307

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2037750-3	1320641	4.67	1312779	6.21	1350730	7.38
Upper Limit	2641282	5.17	2625558	6.71	2701460	7.88
Lower Limit	660321	4.17	656390	5.71	675365	6.88
Sample ID						
MW-1SR	936866	4.67	855507	6.20	852980	7.37
MW-1SR MS	1018701	4.66	930630	6.20	962737	7.38
MW-1SR MSD	1074553	4.67	974655	6.20	988719	7.38
MW-10R2	838070	4.67	803084	6.20	814396	7.37
DUP_03042025	863493	4.66	835081	6.20	841610	7.38

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/10/25 06:36:00
Sample No	: WG2038430-3	**Lab File ID**	: CCV0310

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2038430-3	260626	2.20	1055214	2.86	633060	3.83
Upper Limit	521252	2.70	2110428	3.36	1266120	4.33
Lower Limit	130313	1.70	527607	2.36	316530	3.33
Sample ID						
WG2038541-2 LCS	235443	2.20	970065	2.86	598514	3.83
WG2038541-3 LCSD	216421	2.20	887048	2.86	535383	3.83
WG2038541-1 BLANK	246127	2.20	1000173	2.86	613027	3.83
EQUIPMENT BLANK	209039	2.20	846773	2.86	510826	3.83

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

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

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: SV119	**Analysis Date**	: 03/10/25 06:36:00
Sample No	: WG2038430-3	**Lab File ID**	: CCV0310

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2038430-3	1362342	4.66	1279573	6.20	1206831	7.37
Upper Limit	2724684	5.16	2559146	6.70	2413662	7.87
Lower Limit	681171	4.16	639787	5.70	603416	6.87
Sample ID						
WG2038541-2 LCS	1284579	4.66	1013428	6.20	1018710	7.38
WG2038541-3 LCSD	1150430	4.66	936940	6.20	916063	7.37
WG2038541-1 BLANK	1320051	4.66	1095066	6.20	1022411	7.37
EQUIPMENT BLANK	1091613	4.66	914873	6.20	860955	7.37

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

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

* Values outside of QC limits

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EPA 8270E Low Level PAH (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.035	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.035	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.036	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.043	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.018	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.016	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.037	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.015	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.04	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.04	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.041	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.045	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.22	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.032	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.03	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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 the laboratory.

Date Created: 03/07/23
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EPA 8270E Low Level PAH (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		
Acenaphthene	83-32-9	6.68	1.4028	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	6.68	0.8684	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	6.68	0.4676	ug/kg	40-140	50	40-140	50	50			
Hexachlorobutadiene	87-68-3	6.68	0.9352	ug/kg	34-107	50	40-140	50	50			
Naphthalene	91-20-3	6.68	1.2024	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	6.68	0.6012	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	6.68	0.501	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	6.68	0.835	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	6.68	0.5344	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	6.68	0.668	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	6.68	0.4676	ug/kg	35-142	50	35-142	50	50			
1-Methylnaphthalene	90-12-0	6.68	1.0354	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	6.68	1.9038	ug/kg	40-140	50	40-140	50	50			
Pentachlorophenol	87-86-5	26.72	2.9392	ug/kg	17-109	50	17-109	50	50			
Hexachlorobenzene	118-74-1	6.68	0.7014	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	6.68	1.2358	ug/kg	29-106	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

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 he laboratory.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 16:14
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 16:14
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-01	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 16:31
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.03	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 16:31
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-02	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:05
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:05
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-03	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:22
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.09	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.56	0.10	0.03	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.05	0.10	0.02	J
56-55-3	Benzo(a)anthracene	0.07	0.10	0.03	J
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	0.06	0.10	0.03	J
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.05	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.11	0.10	0.03	
85-01-8	Phenanthrene	0.52	0.10	0.04	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	0.38	0.10	0.04	
91-57-6	2-Methylnaphthalene	0.03	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:22
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-04	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:39
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-05	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 17:39
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-05	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 19:09
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-06	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 19:09
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-06	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 19:59
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 19:59
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 20:16
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/07/25 20:16
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 15:50
Sample Matrix	: Equipment Blank	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-09	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 15:50
Sample Matrix	: Equipment Blank	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 11944-09	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037073-1	**Date Collected**	: NA
Client ID	: WG2037073-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 08:09
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 037073-1	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037073-1	**Date Collected**	: NA
Client ID	: WG2037073-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 08:09
Sample Matrix	: WATER	**Date Extracted**	: 03/05/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 037073-1	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038541-1	**Date Collected**	: NA
Client ID	: WG2038541-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 15:33
Sample Matrix	: WATER	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 038541-1	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038541-1	**Date Collected**	: NA
Client ID	: WG2038541-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 15:33
Sample Matrix	: WATER	**Date Extracted**	: 03/10/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 038541-1	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-01.D
Acq On : 06 Mar 2025 04:14 pm
Operator : sv119:jg
Sample : L2511944-01,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 07 21:29:20 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.205	152	191102	4000.000	ng/ml	0.00
Standard Area 1 = 292191			Recovery = 65.40%			
9) Naphthalene-d8	2.862	136	751195	4000.000	ng/ml	0.00
Standard Area 1 = 1182863			Recovery = 63.51%			
18) Acenaphthene-d10	3.831	164	444106	4000.000	ng/ml	0.00
Standard Area 1 = 685201			Recovery = 64.81%			
23) Phenanthrene-d10	4.665	188	950188	4000.000	ng/ml	0.00
Standard Area 1 = 1483480			Recovery = 64.05%			
33) Chrysene-d12	6.199	240	897519	4000.000	ng/ml	0.00
Standard Area 1 = 1506958			Recovery = 59.56%			
38) Perylene-d12	7.373	264	873300	4000.000	ng/ml	0.00
Standard Area 1 = 1589828			Recovery = 54.93%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.633	112	29964	585.194	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 29.26%			
4) Phenol-d6	2.027	99	38454	601.708	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.09%			
8) Nitrobenzene-d5	2.487	82	43033	694.385	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.44%			
14) 2-Fluorobiphenyl	3.454	172	120755	659.232	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 65.92%			
22) 2,4,6-Tribromophenol	4.274	330	21225	1095.034	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.75%			
32) 4-Terphenyl-d14	5.574	244	222570	944.216	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.42%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	2.873	128	919	4.386	ng/ml#	94
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	3.250	142	274	1.871	ng/ml	97
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	3.749	152	91	0.389	ng/ml#	1
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	4.136	166	194	1.140	ng/ml	87
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-01.D
Acq On : 06 Mar 2025 04:14 pm
Operator : sv119:jg
Sample : L2511944-01,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 07 21:29:20 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

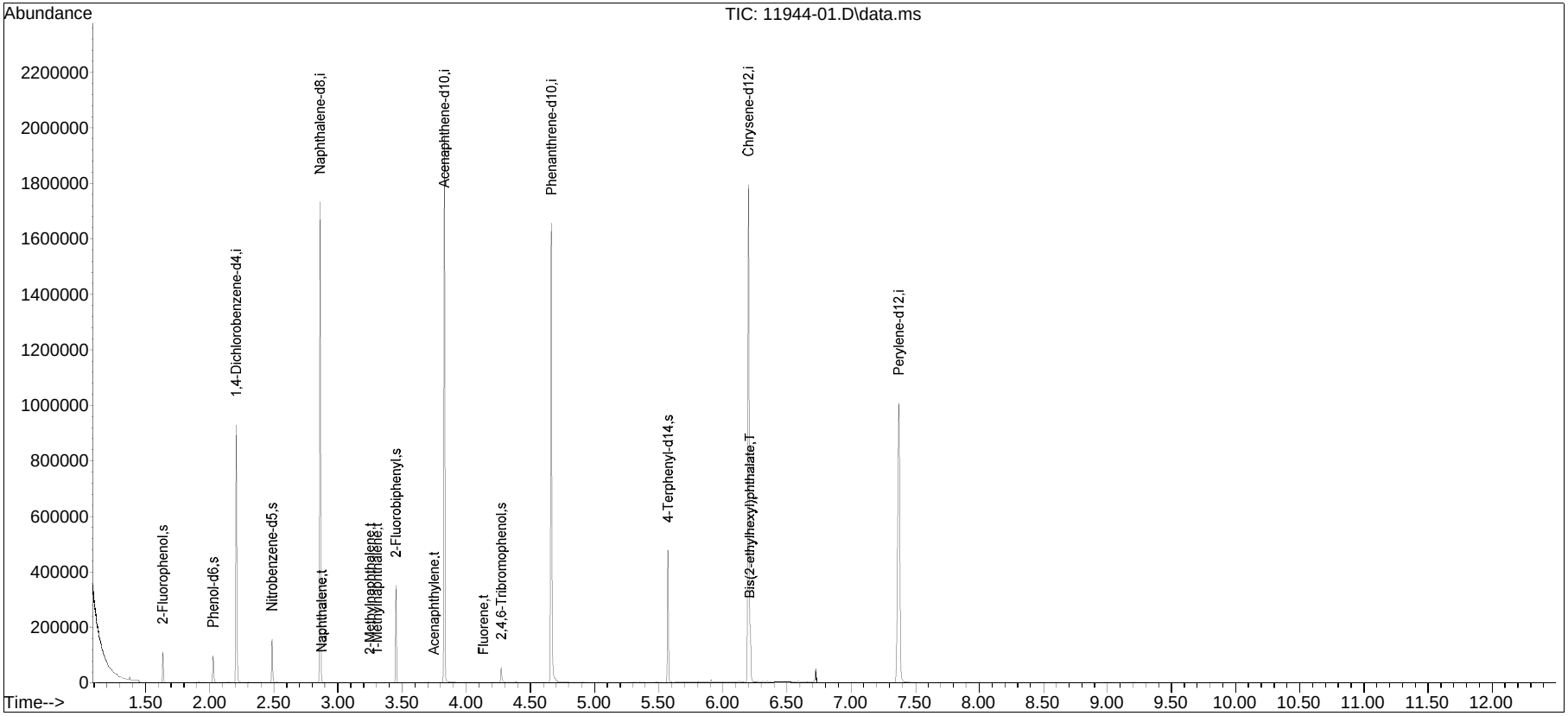
(#) = qualifier out of range (m) = manual integration (+) = signals summed

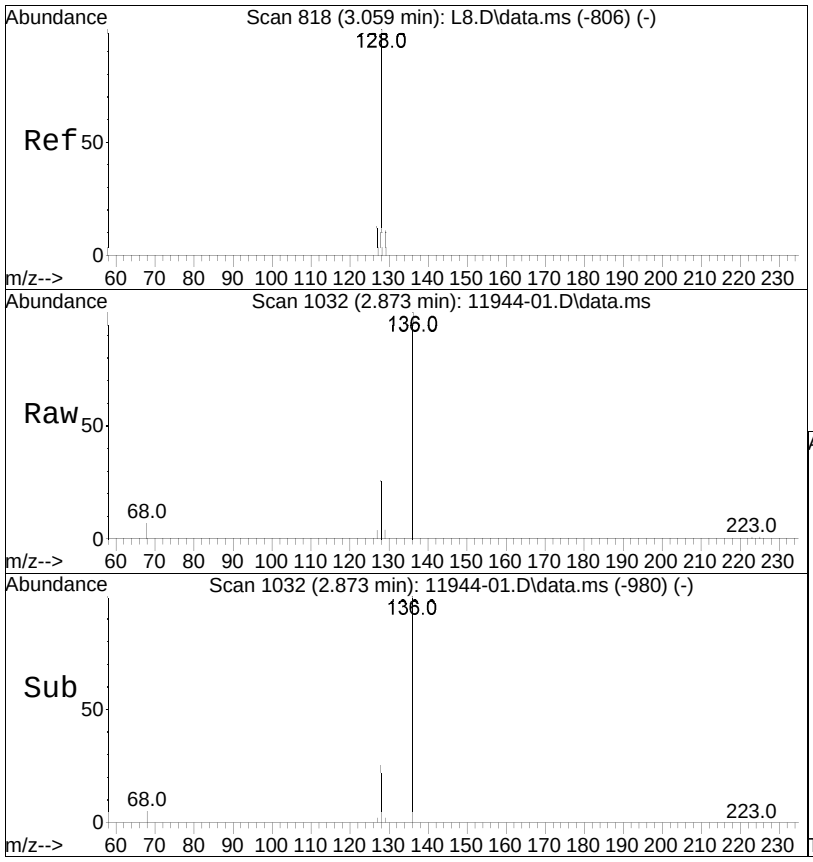
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-01.D
Acq On : 06 Mar 2025 04:14 pm
Operator : sv119:jg
Sample : L2511944-01,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 07 21:29:20 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0306.D•

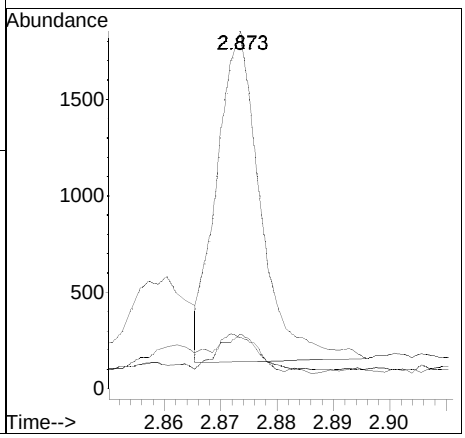


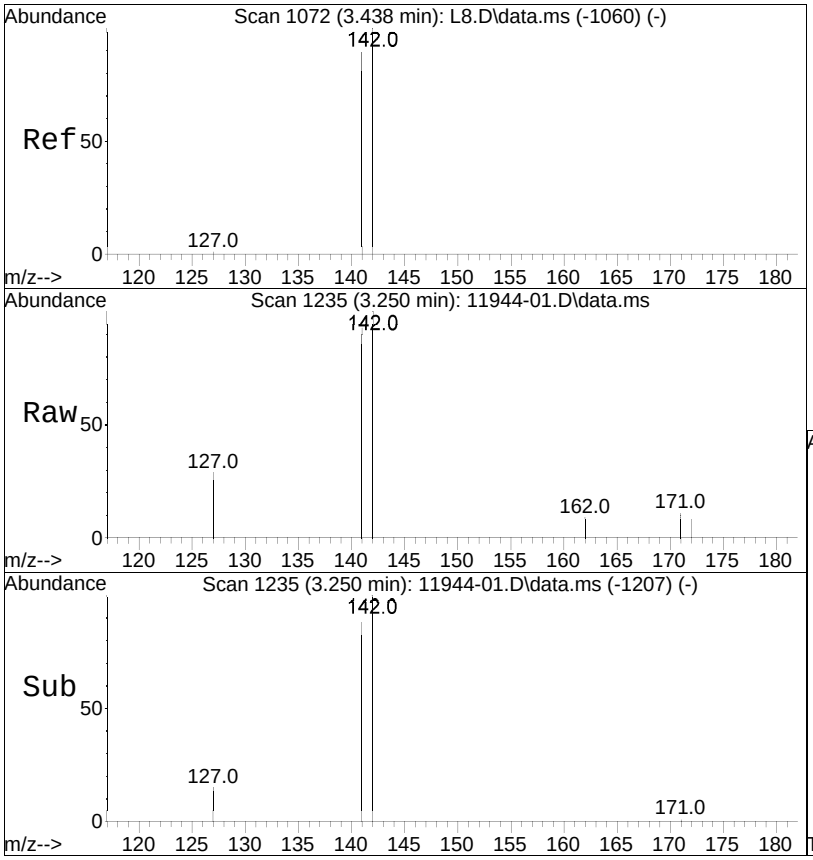


#10
Naphthalene
Concen: 4.39 ng/ml
RT: 2.873 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 11944-01.D
Acq: 06 Mar 2025 04:14 pm

Tgt Ion:128 Resp: 919

Ion	Ratio	Lower	Upper
128	100		
129	8.9	9.0	13.6#
127	10.8	10.5	15.7

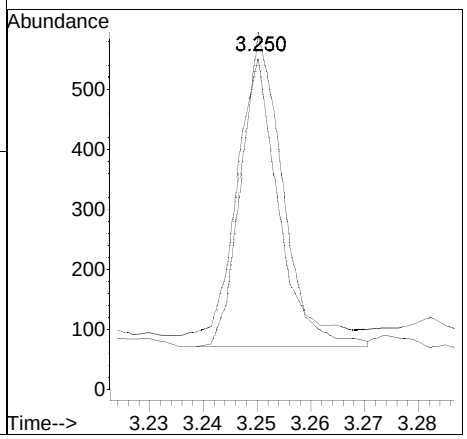


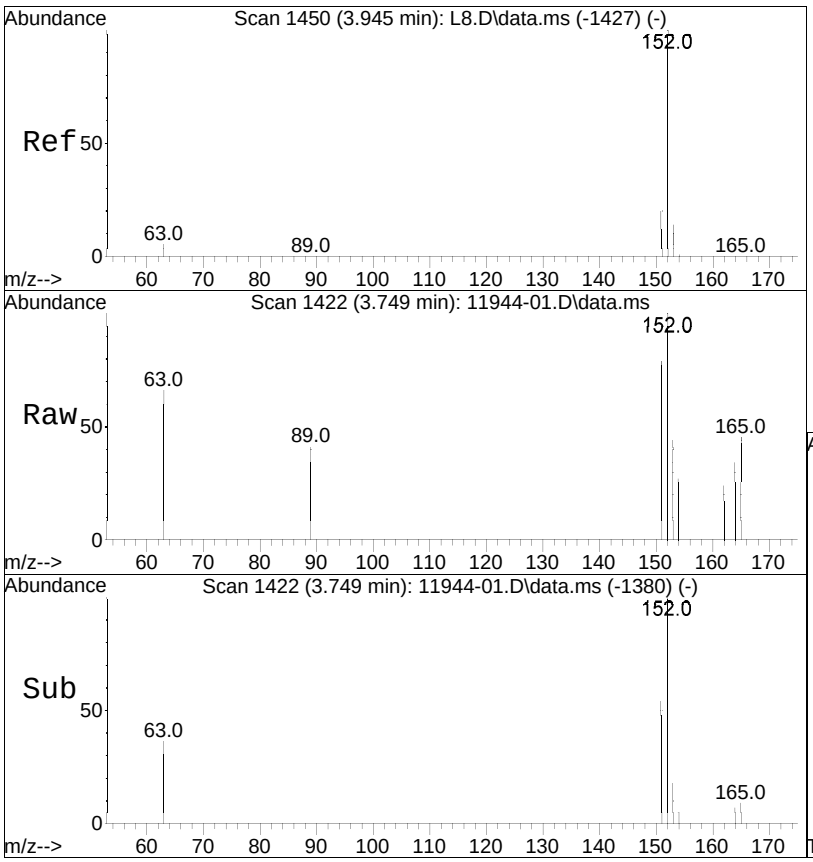


#12
2-Methylnaphthalene
Concen: 1.87 ng/ml
RT: 3.250 min Scan# 1235
Delta R.T. 0.003 min
Lab File: 11944-01.D
Acq: 06 Mar 2025 04:14 pm

Tgt Ion:142 Resp: 274

Ion	Ratio	Lower	Upper
142	100		
141	86.5	71.3	106.9

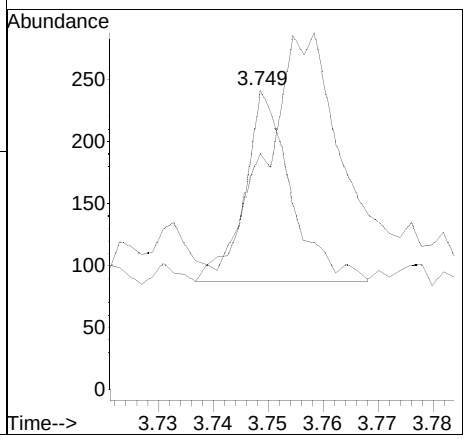


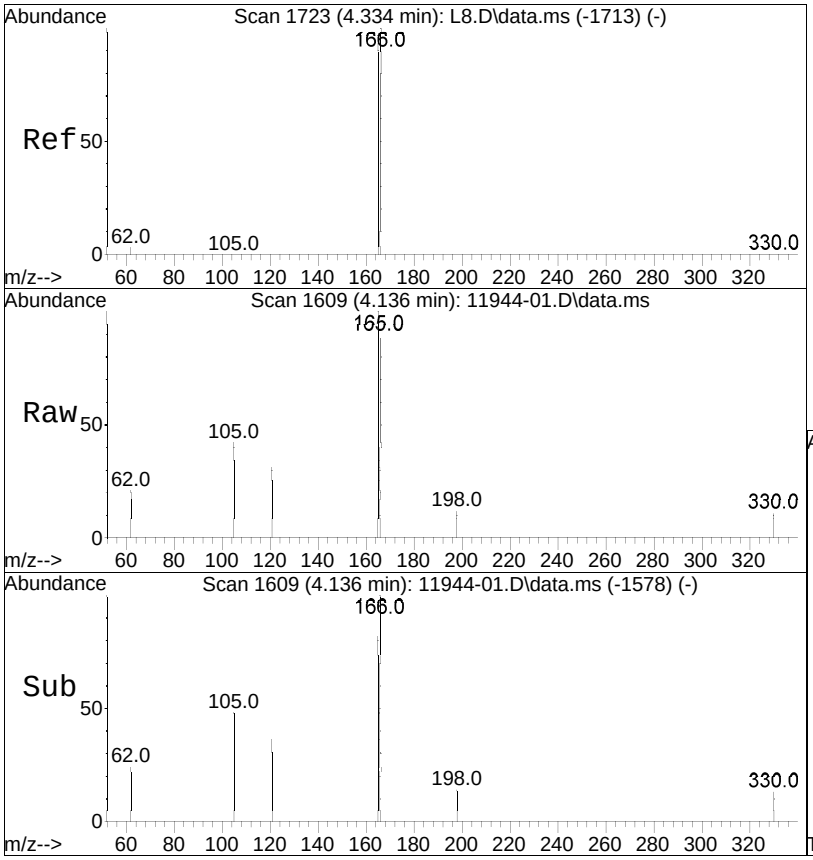


#17
Acenaphthylene
Concen: 0.39 ng/ml
RT: 3.749 min Scan# 1422
Delta R.T. 0.002 min
Lab File: 11944-01.D
Acq: 06 Mar 2025 04:14 pm

Tgt Ion:152 Resp: 91

Ion	Ratio	Lower	Upper
152	100		
151	207.7	15.9	23.9#

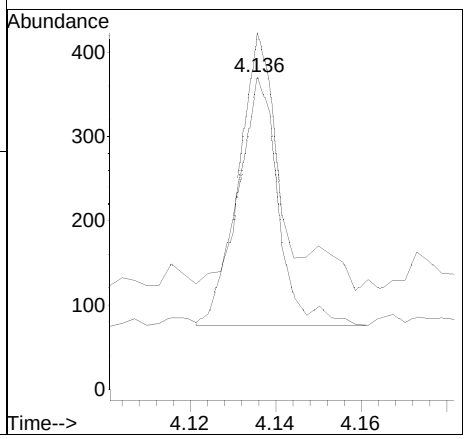




#21
Fluorene
Concen: 1.14 ng/ml
RT: 4.136 min Scan# 1609
Delta R.T. 0.003 min
Lab File: 11944-01.D
Acq: 06 Mar 2025 04:14 pm

Tgt Ion:166 Resp: 194

Ion	Ratio	Lower	Upper
166	100		
165	84.5	77.8	116.8



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250306RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-01.D	Operator	: sv119:jg
Date Inj'd	: 3/6/2025 4:14 pm	Instrument	: SV119
Sample	: L2511944-01,32,,kmh	Quant Date	: 3/6/2025 4:28 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-02.D
Acq On : 06 Mar 2025 04:31 pm
Operator : sv119:jg
Sample : L2511944-02,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 07 21:31:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.205	152	220758	4000.000	ng/ml	0.00
Standard Area 1 = 292191			Recovery = 75.55%			
9) Naphthalene-d8	2.862	136	872145	4000.000	ng/ml	0.00
Standard Area 1 = 1182863			Recovery = 73.73%			
18) Acenaphthene-d10	3.829	164	505875	4000.000	ng/ml	0.00
Standard Area 1 = 685201			Recovery = 73.83%			
23) Phenanthrene-d10	4.664	188	1077739	4000.000	ng/ml	0.00
Standard Area 1 = 1483480			Recovery = 72.65%			
33) Chrysene-d12	6.199	240	1019683	4000.000	ng/ml	0.00
Standard Area 1 = 1506958			Recovery = 67.66%			
38) Perylene-d12	7.375	264	955867	4000.000	ng/ml	0.00
Standard Area 1 = 1589828			Recovery = 60.12%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.635	112	55924	945.469	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.27%			
4) Phenol-d6	2.027	99	59042	799.749	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.99%			
8) Nitrobenzene-d5	2.487	82	64697	903.715	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.37%			
14) 2-Fluorobiphenyl	3.454	172	164986	775.791	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.58%			
22) 2,4,6-Tribromophenol	4.274	330	34160	1547.181	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.36%			
32) 4-Terphenyl-d14	5.574	244	249294	932.421	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.24%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	2.873	128	794M6	3.264	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	3.250	142	208	1.224	ng/ml	98
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	4.136	166	416	2.146	ng/ml	86
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-02.D
Acq On : 06 Mar 2025 04:31 pm
Operator : sv119:jg
Sample : L2511944-02,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 07 21:31:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.677	178	1086M6	3.446	ng/ml	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	5.354	202	899	2.280	ng/ml#	81
30) Pyrene	5.482	202	827	2.032	ng/ml#	87
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

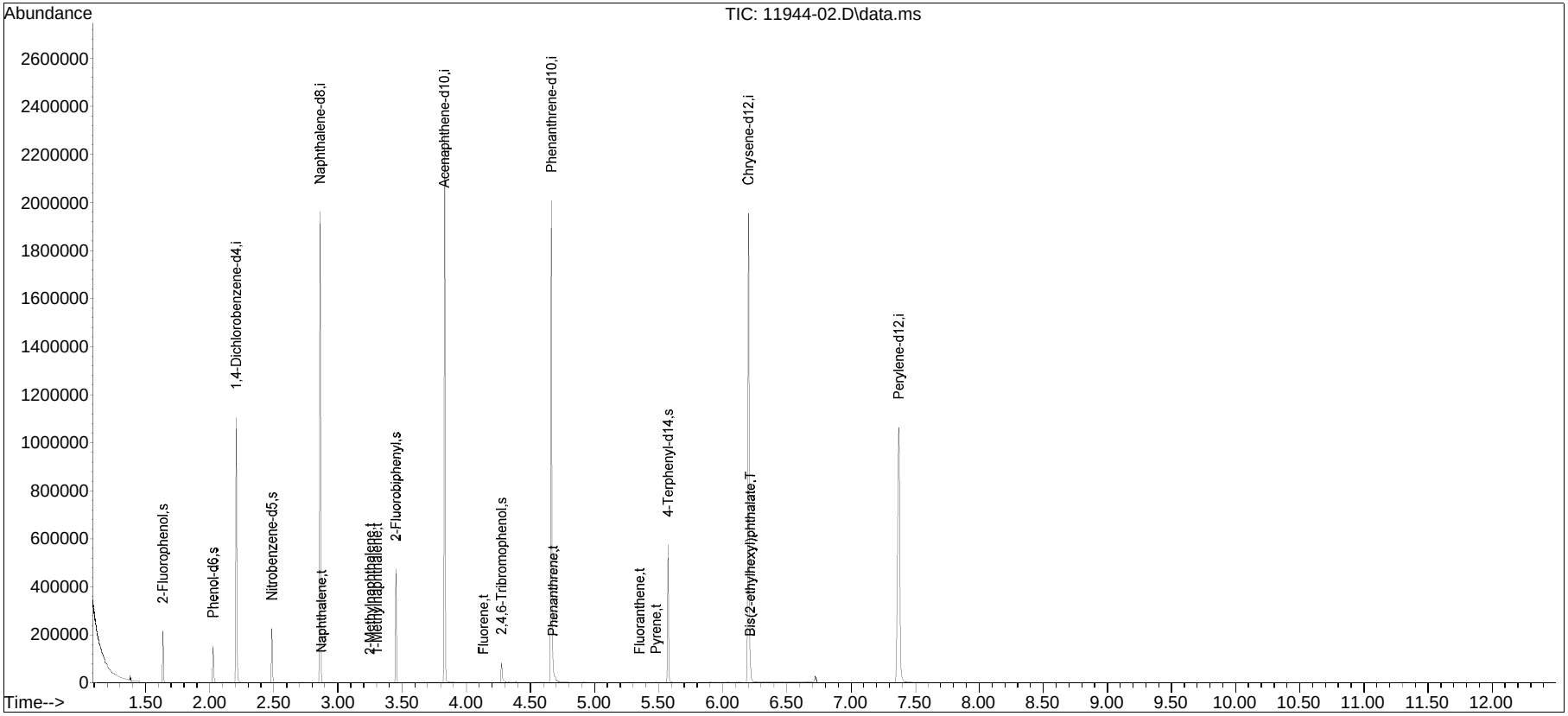
(#) = qualifier out of range (m) = manual integration (+) = signals summed

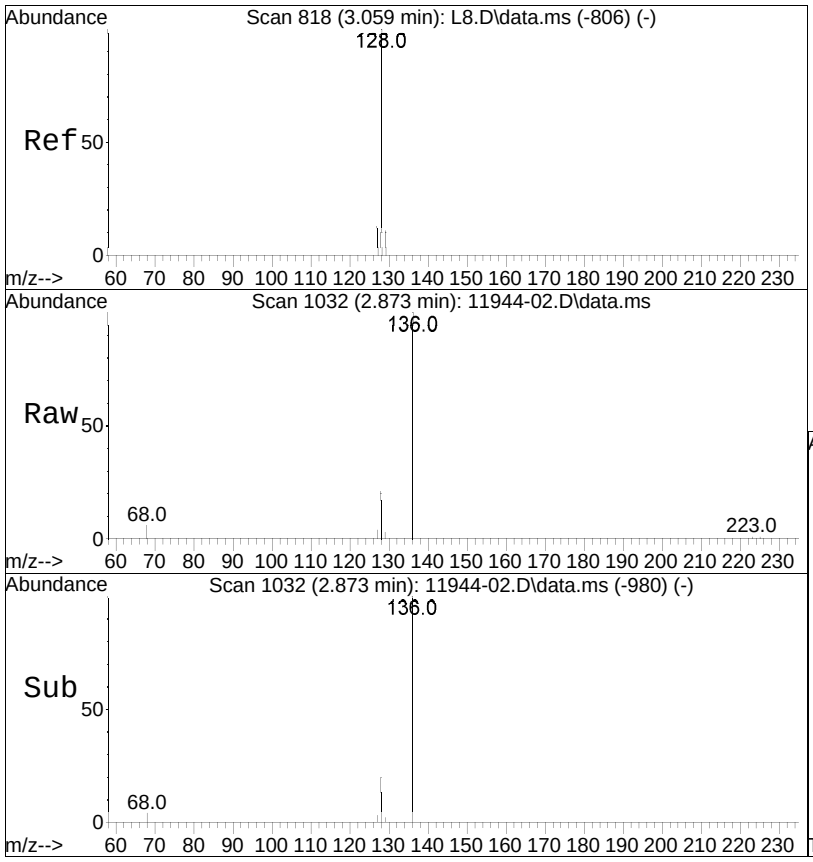
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-02.D
Acq On : 06 Mar 2025 04:31 pm
Operator : sv119:jg
Sample : L2511944-02,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 07 21:31:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0306.D•

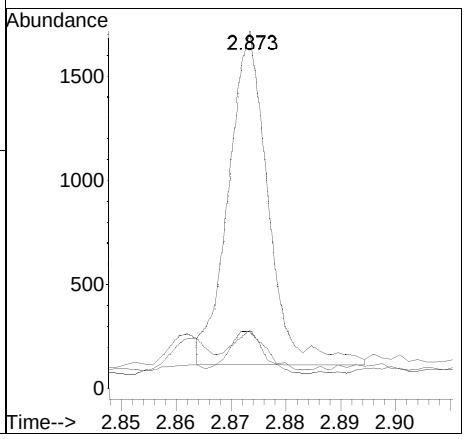


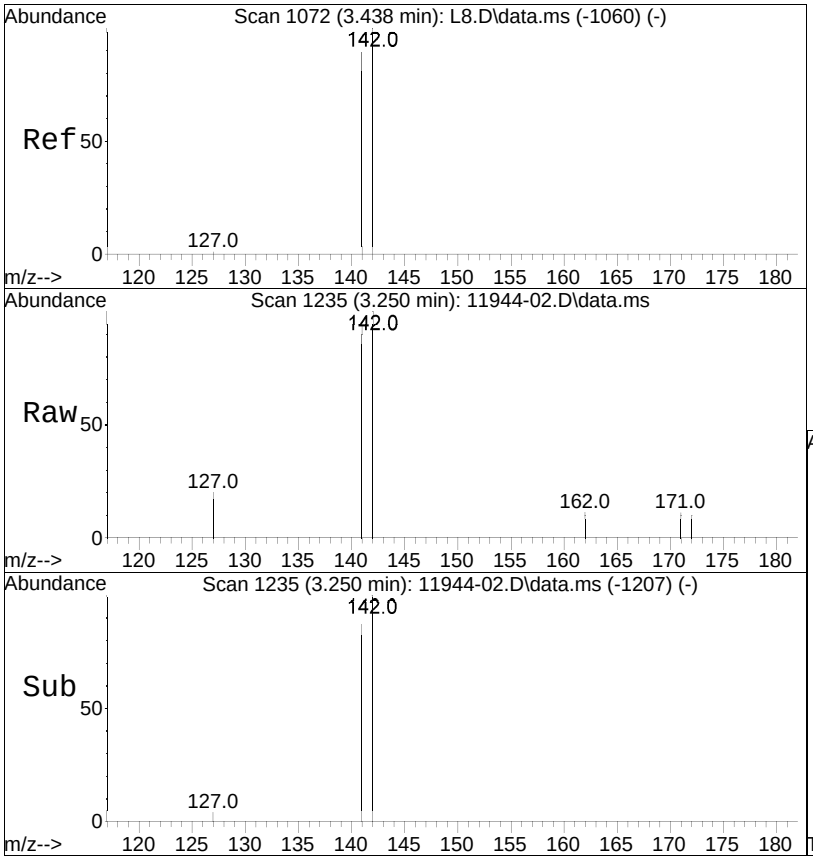


#10
Naphthalene
Concen: 3.26 ng/ml M6
RT: 2.873 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:128 Resp: 794

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	10.8	10.5	15.7

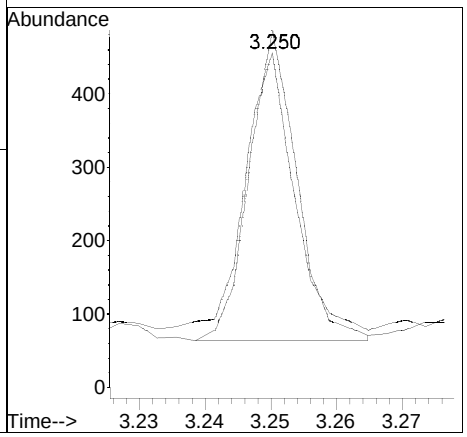


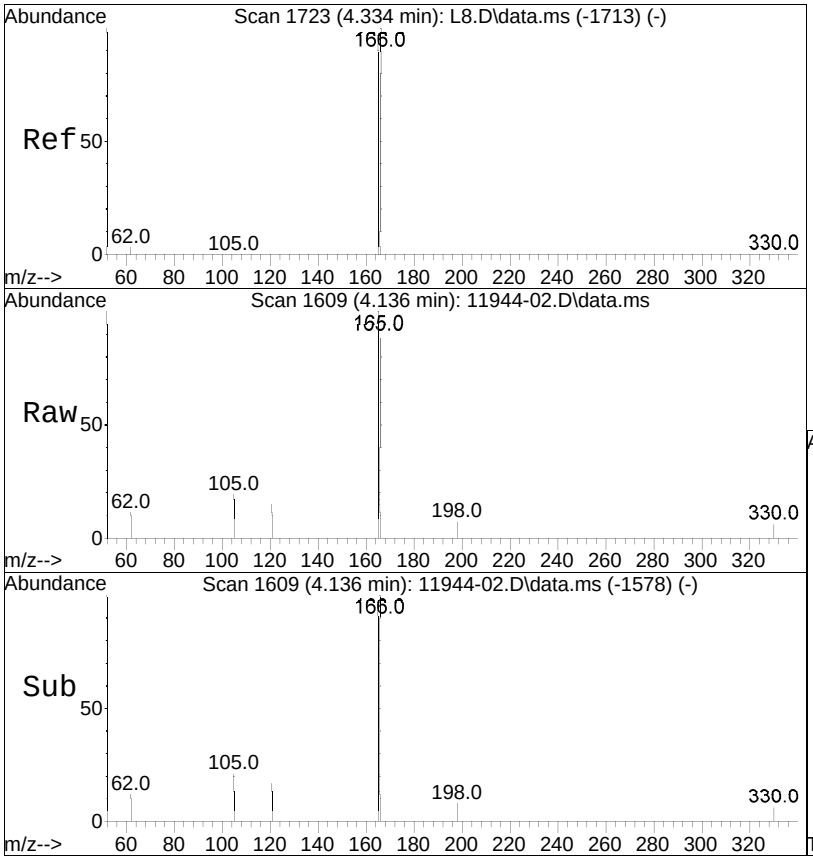


#12
2-Methylnaphthalene
Concen: 1.22 ng/ml
RT: 3.250 min Scan# 1235
Delta R.T. 0.003 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:142 Resp: 208

Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.3	106.9

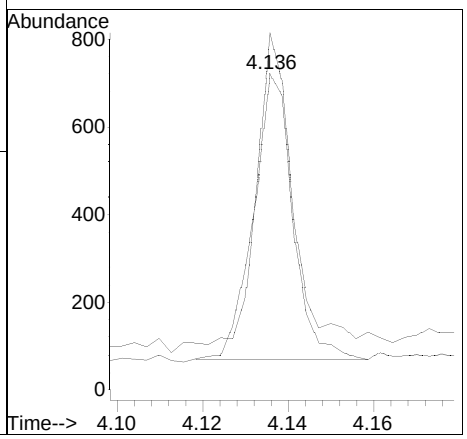


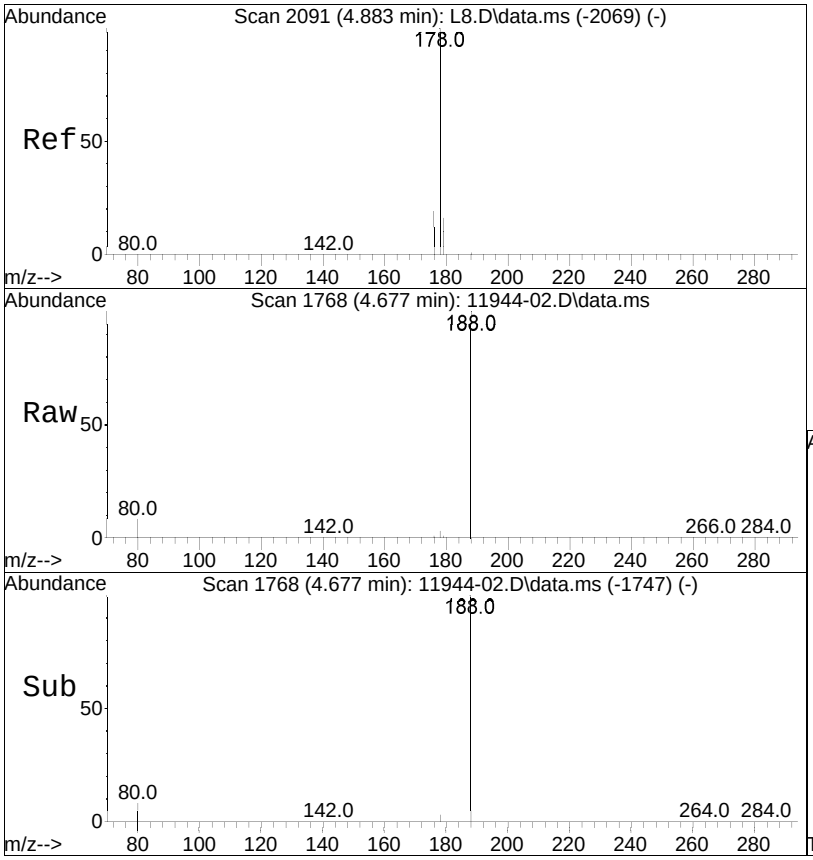


#21
Fluorene
Concen: 2.15 ng/ml
RT: 4.136 min Scan# 1609
Delta R.T. 0.002 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:166 Resp: 416

Ion	Ratio	Lower	Upper
166	100		
165	110.8	77.8	116.8

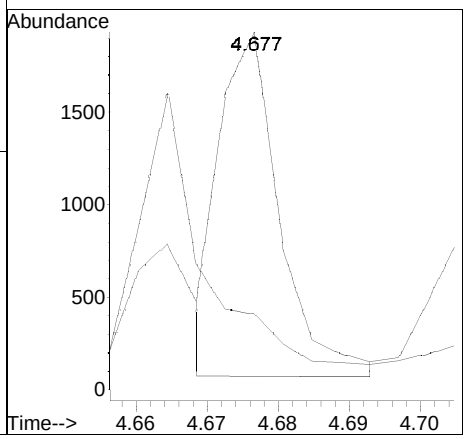


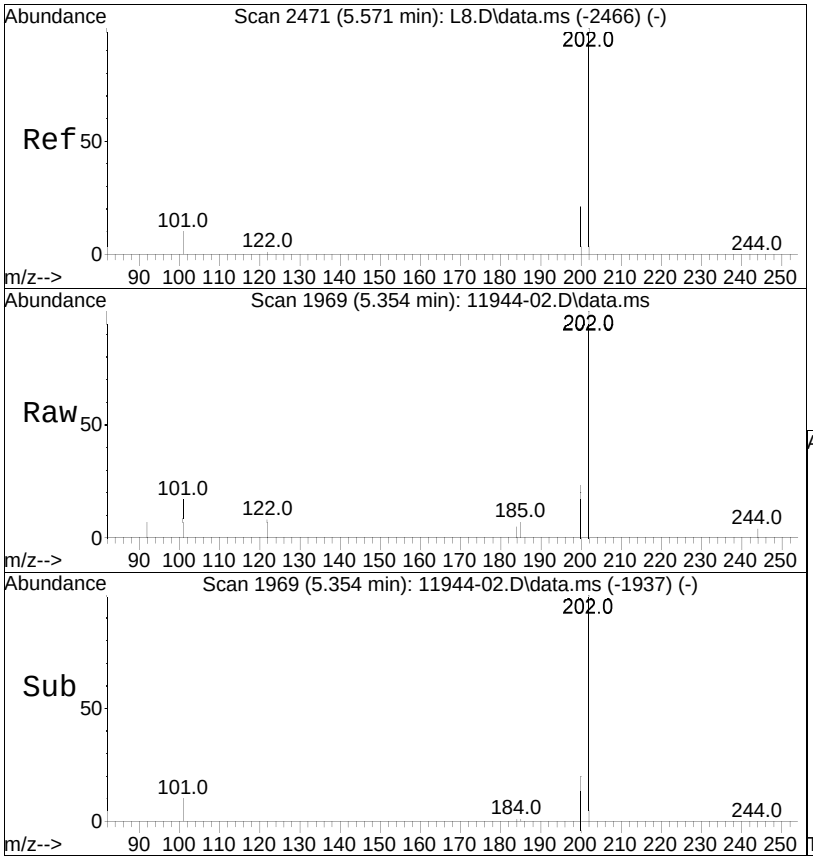


#27
Phenanthrene
Concen: 3.45 ng/ml M6
RT: 4.677 min Scan# 1768
Delta R.T. 0.004 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:178 Resp: 1086

Ion	Ratio	Lower	Upper
178	100		
179	11.6	12.8	19.2#

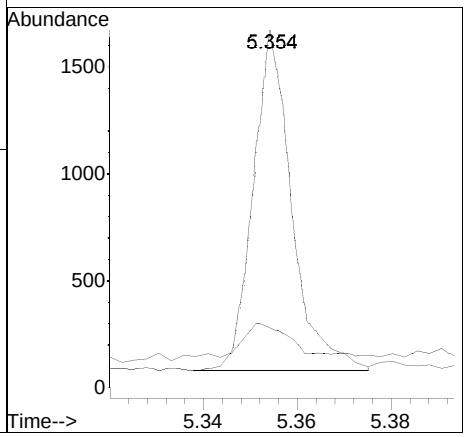


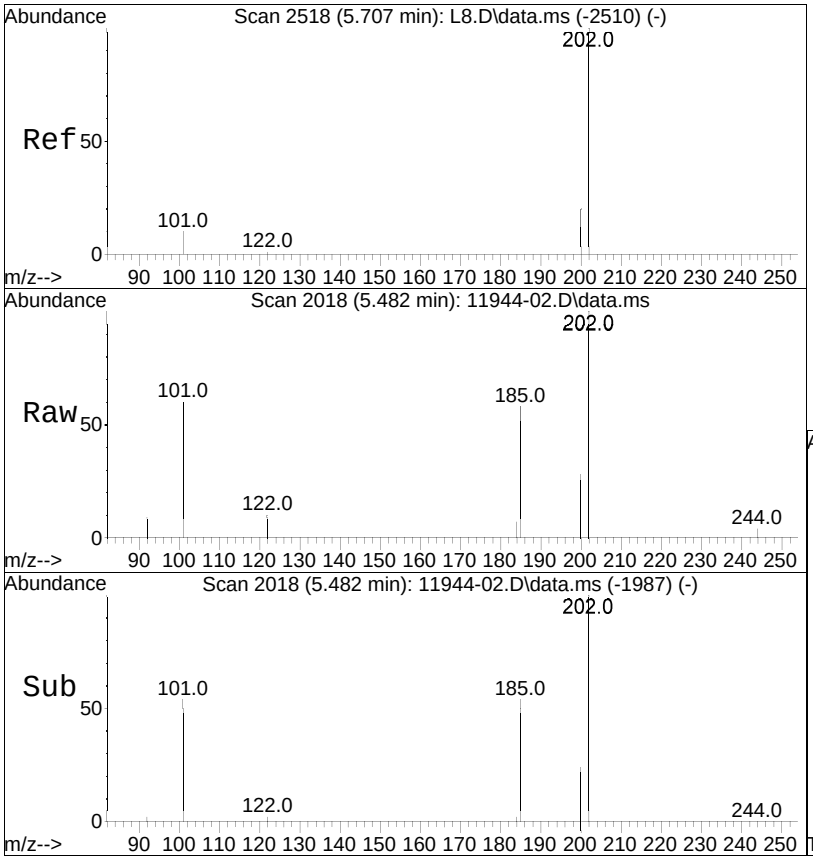


#29
Fluoranthene
Concen: 2.28 ng/ml
RT: 5.354 min Scan# 1969
Delta R.T. 0.003 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:202 Resp: 899

Ion	Ratio	Lower	Upper
202	100		
101	17.4	8.2	12.2#

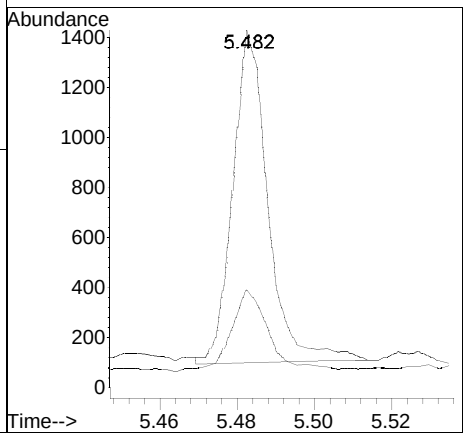




#30
Pyrene
Concen: 2.03 ng/ml
RT: 5.482 min Scan# 2018
Delta R.T. 0.001 min
Lab File: 11944-02.D
Acq: 06 Mar 2025 04:31 pm

Tgt Ion:202 Resp: 827

Ion	Ratio	Lower	Upper
202	100		
200	27.2	16.9	25.3#

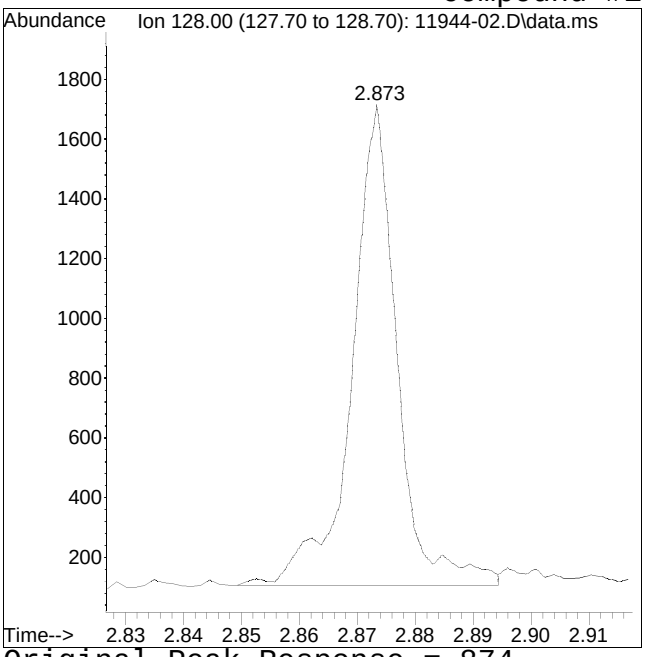


Manual Integration Report

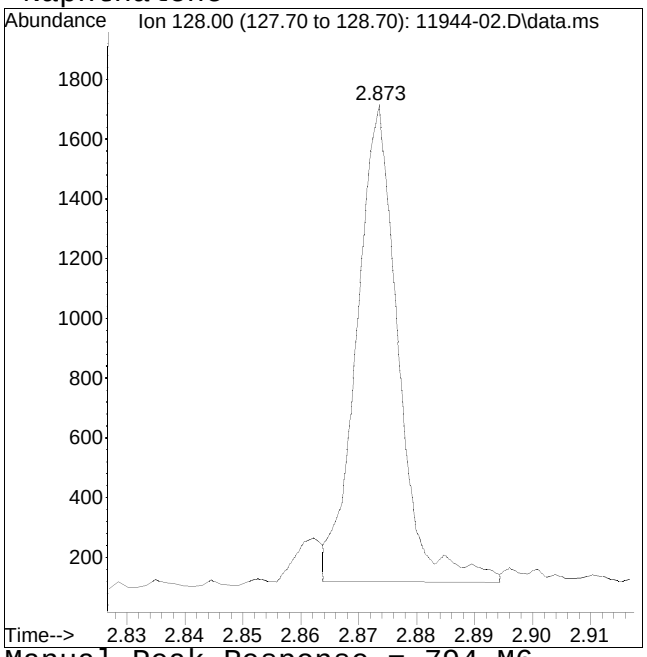
Data Path : I:\8270SIM\sv119\250306RVTQ
Data File : 11944-02.D
Date Inj'd : 3/6/2025 4:31 pm
Sample : L2511944-02,32,,kmh

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jg
Instrument : SV119
Quant Date : 3/6/2025 4:45 pm

Compound #10: Naphthalene



Original Peak Response = 874



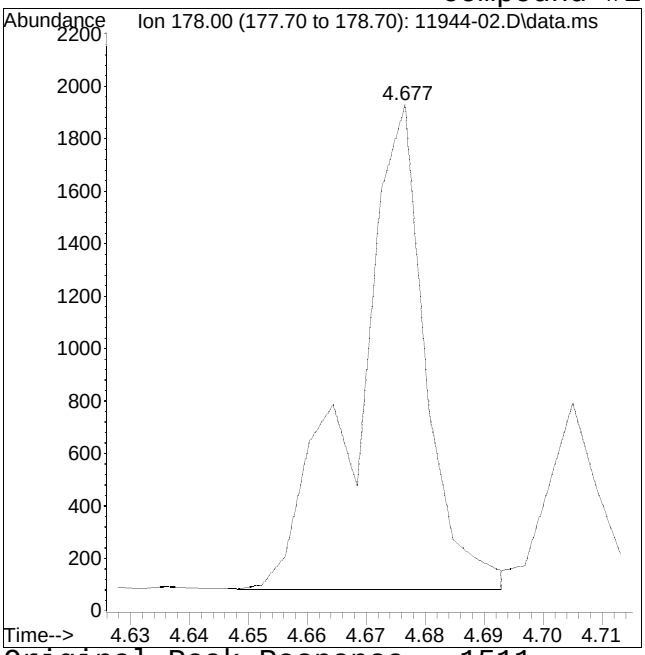
Manual Peak Response = 794 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

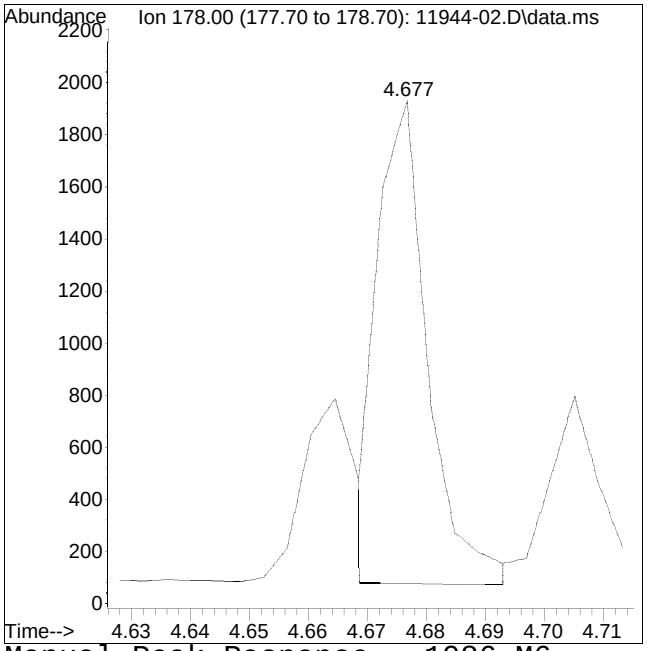
Manual Integration Report

Data Path : I:\8270SIM\sv119\250306RVTQMethod : SIM-RVT_241229_sv119.M
Data File : 11944-02.D Operator : sv119:jg
Date Inj'd : 3/6/2025 4:31 pm Instrument : SV119
Sample : L2511944-02,32,,kmh Quant Date : 3/6/2025 4:45 pm

Compound #27: Phenanthrene



Original Peak Response = 1511



Manual Peak Response = 1086 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-03.D
Acq On : 06 Mar 2025 05:05 pm
Operator : sv119:jg
Sample : L2511944-03,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 07 21:32:32 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.205	152	178151	4000.000	ng/ml	0.00
Standard Area 1 = 292191			Recovery = 60.97%			
9) Naphthalene-d8	2.862	136	714525	4000.000	ng/ml	0.00
Standard Area 1 = 1182863			Recovery = 60.41%			
18) Acenaphthene-d10	3.829	164	431921	4000.000	ng/ml	0.00
Standard Area 1 = 685201			Recovery = 63.04%			
23) Phenanthrene-d10	4.665	188	962067	4000.000	ng/ml	0.00
Standard Area 1 = 1483480			Recovery = 64.85%			
33) Chrysene-d12	6.200	240	908677	4000.000	ng/ml	0.00
Standard Area 1 = 1506958			Recovery = 60.30%			
38) Perylene-d12	7.373	264	858694	4000.000	ng/ml	0.00
Standard Area 1 = 1589828			Recovery = 54.01%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.632	112	72700	1523.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.15%			
4) Phenol-d6	2.028	99	67590	1134.497	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.72%			
8) Nitrobenzene-d5	2.486	82	64531	1116.977	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 111.70%			
14) 2-Fluorobiphenyl	3.454	172	170728	979.881	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.99%			
22) 2,4,6-Tribromophenol	4.274	330	48111	2552.152	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.61%#			
32) 4-Terphenyl-d14	5.574	244	266278	1115.691	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 111.57%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.		
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	3.250	142	283	2.032	ng/ml	97
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-03.D
Acq On : 06 Mar 2025 05:05 pm
Operator : sv119:jg
Sample : L2511944-03,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 07 21:32:32 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

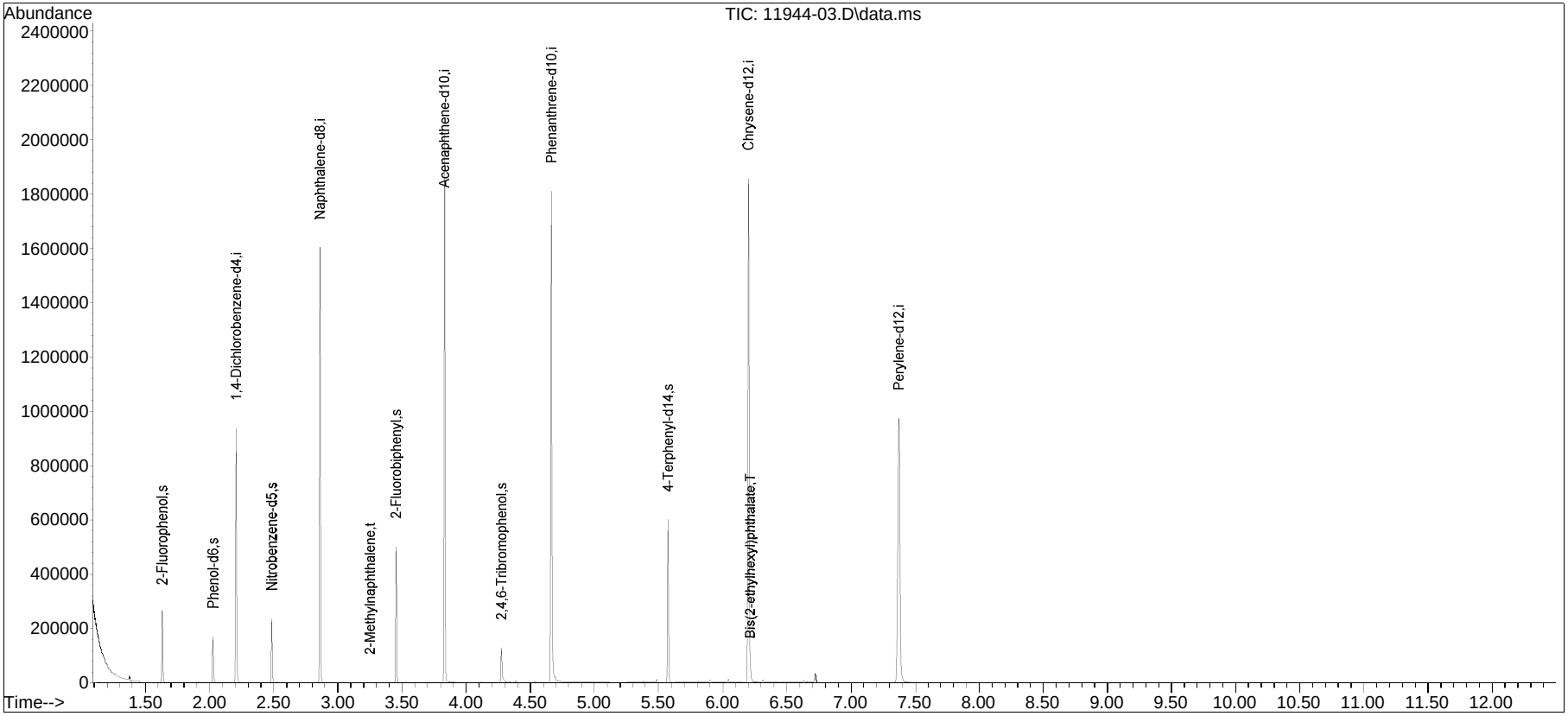
(#) = qualifier out of range (m) = manual integration (+) = signals summed

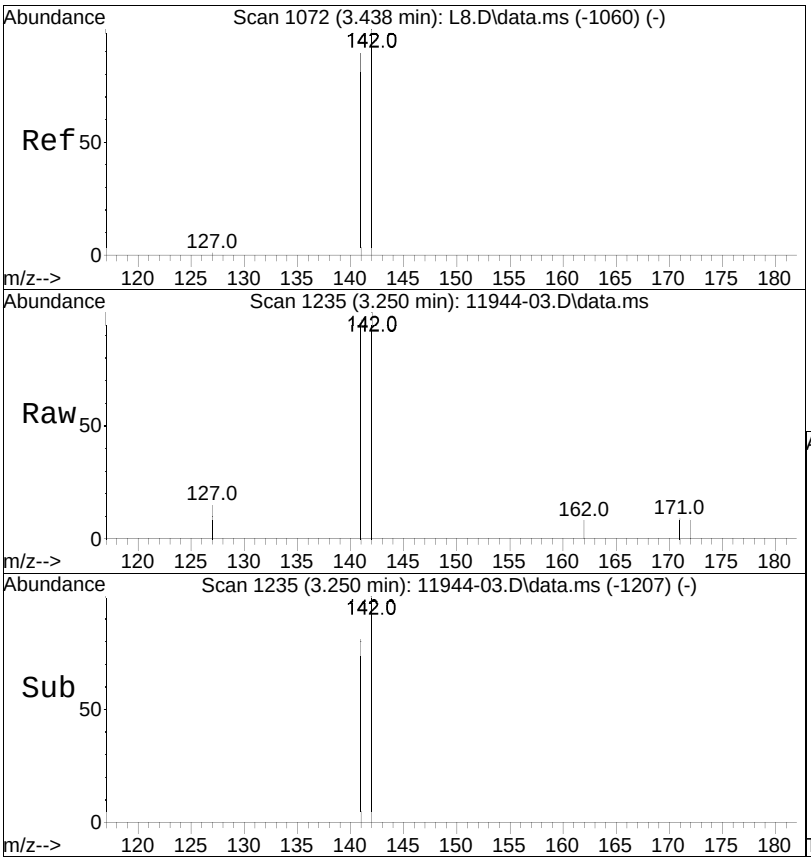
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-03.D
Acq On : 06 Mar 2025 05:05 pm
Operator : sv119:jg
Sample : L2511944-03,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 07 21:32:32 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0306.D•

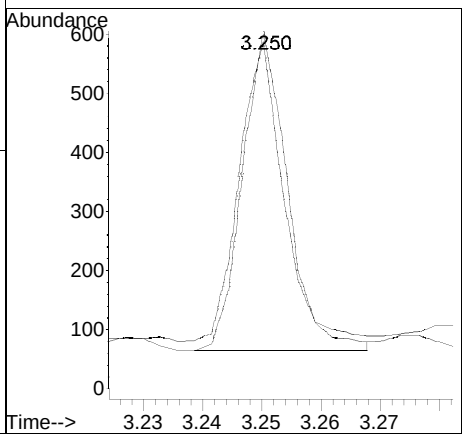




#12
2-Methylnaphthalene
Concen: 2.03 ng/ml
RT: 3.250 min Scan# 1235
Delta R.T. 0.003 min
Lab File: 11944-03.D
Acq: 06 Mar 2025 05:05 pm

Tgt Ion:142 Resp: 283

Ion	Ratio	Lower	Upper
142	100		
141	91.5	71.3	106.9



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250306RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-03.D	Operator	: sv119:jg
Date Inj'd	: 3/6/2025 5:05 pm	Instrument	: SV119
Sample	: L2511944-03,32,,kmh	Quant Date	: 3/6/2025 5:19 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-04.D
Acq On : 06 Mar 2025 05:22 pm
Operator : sv119:jg
Sample : L2511944-04,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 10 08:06:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.205	152	222131	4000.000	ng/ml	0.00
Standard Area 1 = 292191			Recovery = 76.02%			
9) Naphthalene-d8	2.862	136	875757	4000.000	ng/ml	0.00
Standard Area 1 = 1182863			Recovery = 74.04%			
18) Acenaphthene-d10	3.829	164	518949	4000.000	ng/ml	0.00
Standard Area 1 = 685201			Recovery = 75.74%			
23) Phenanthrene-d10	4.664	188	1116276	4000.000	ng/ml	0.00
Standard Area 1 = 1483480			Recovery = 75.25%			
33) Chrysene-d12	6.200	240	1048886	4000.000	ng/ml	0.00
Standard Area 1 = 1506958			Recovery = 69.60%			
38) Perylene-d12	7.374	264	962032	4000.000	ng/ml	0.00
Standard Area 1 = 1589828			Recovery = 60.51%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.633	112	84466	1419.182	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 70.96%			
4) Phenol-d6	2.027	99	76136	1024.920	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.25%			
8) Nitrobenzene-d5	2.486	82	75936	1054.150	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 105.42%			
14) 2-Fluorobiphenyl	3.454	172	199376	933.631	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.36%			
22) 2,4,6-Tribromophenol	4.273	330	56471	2493.258	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 124.66%#			
32) 4-Terphenyl-d14	5.575	244	302332	1091.758	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 109.18%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	2.874	128	1091	4.467	ng/ml	98
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	3.250	142	505	2.959	ng/ml	94
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	3.846	153	1474	8.516	ng/ml	89
21) Fluorene	4.135	166	2120	10.661	ng/ml	96
25) Hexachlorobenzene	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-04.D
Acq On : 06 Mar 2025 05:22 pm
Operator : sv119:jg
Sample : L2511944-04,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 10 08:06:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.676	178	16901M6	51.783	ng/ml	
28) Anthracene	4.704	178	1680	5.134	ng/ml#	86
29) Fluoranthene	5.355	202	22775	55.775	ng/ml	98
30) Pyrene	5.483	202	16141	38.296	ng/ml	100
34) Benzo[a]anthracene	6.198	228	5426	6.916	ng/ml#	86
36) Chrysene	6.216	228	2046	5.665	ng/ml	92
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.		

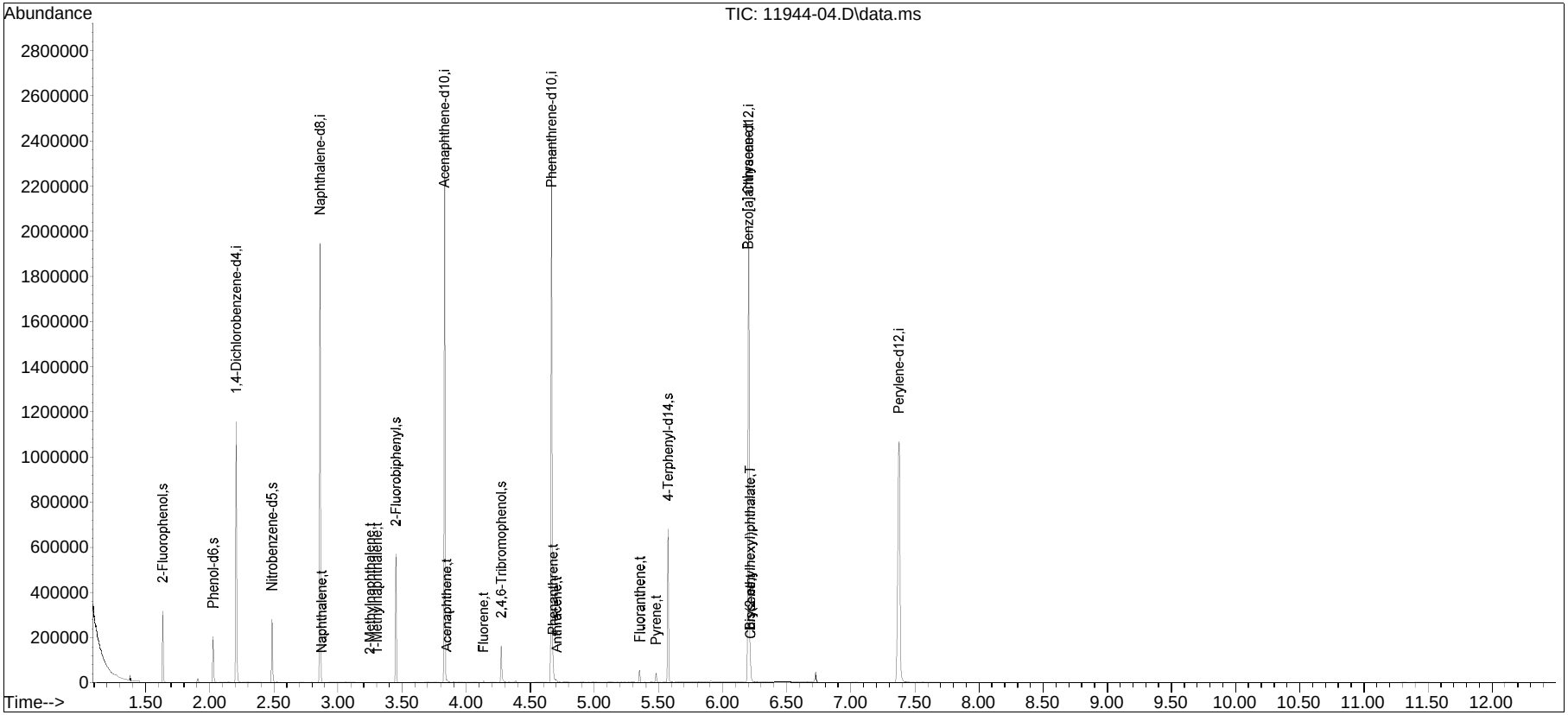
(#) = qualifier out of range (m) = manual integration (+) = signals summed

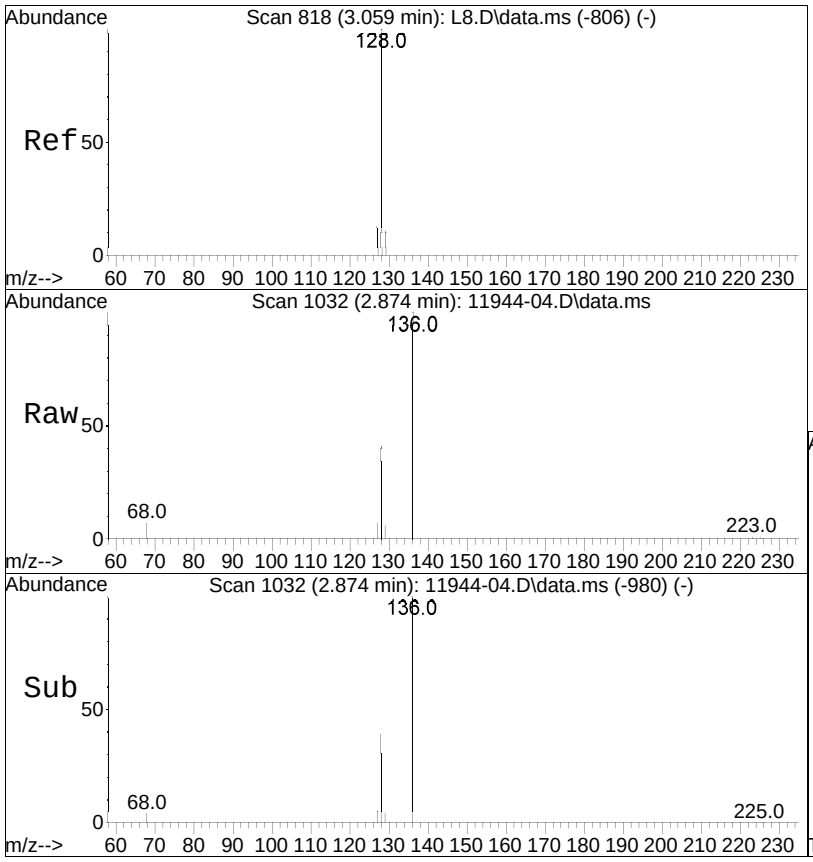
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-04.D
Acq On : 06 Mar 2025 05:22 pm
Operator : sv119:jg
Sample : L2511944-04,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 10 08:06:23 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0306.D•

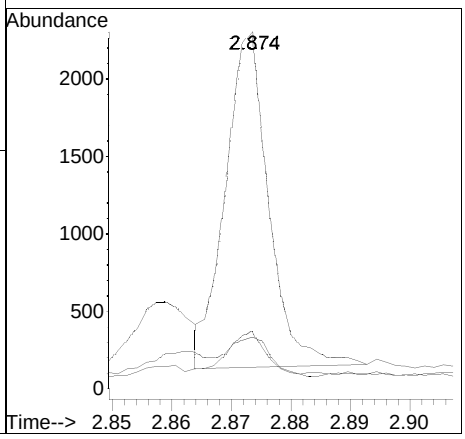


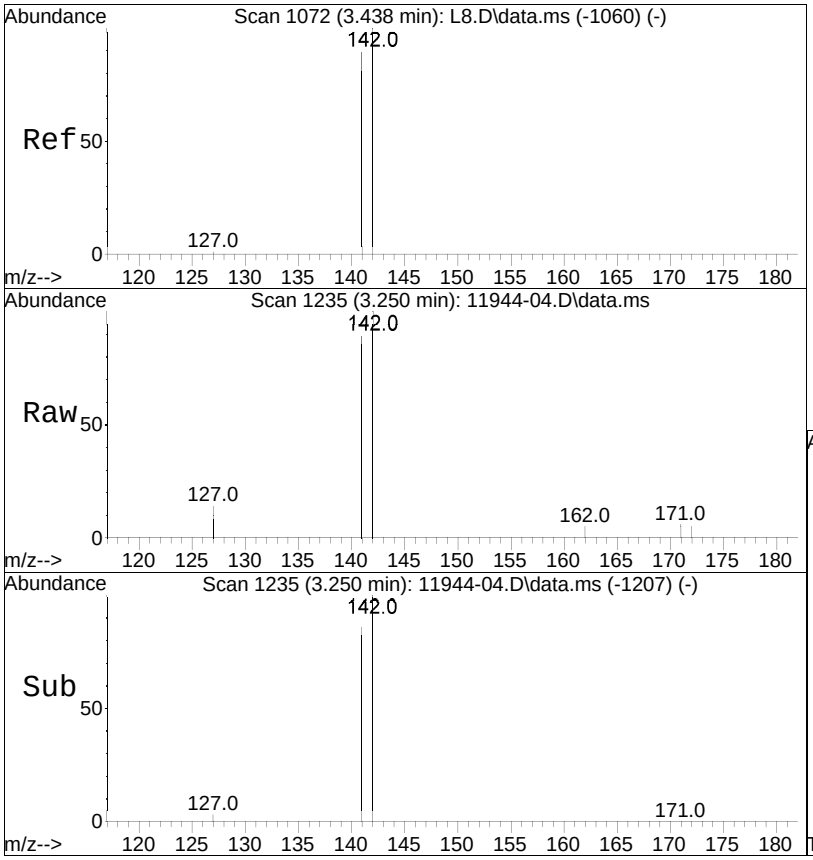


#10
Naphthalene
Concen: 4.47 ng/ml
RT: 2.874 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:128 Resp: 1091

Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.6
127	12.4	10.5	15.7

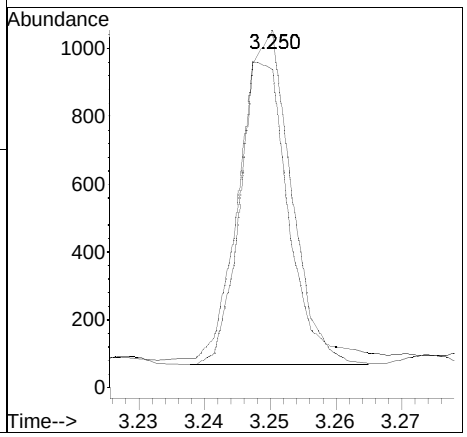


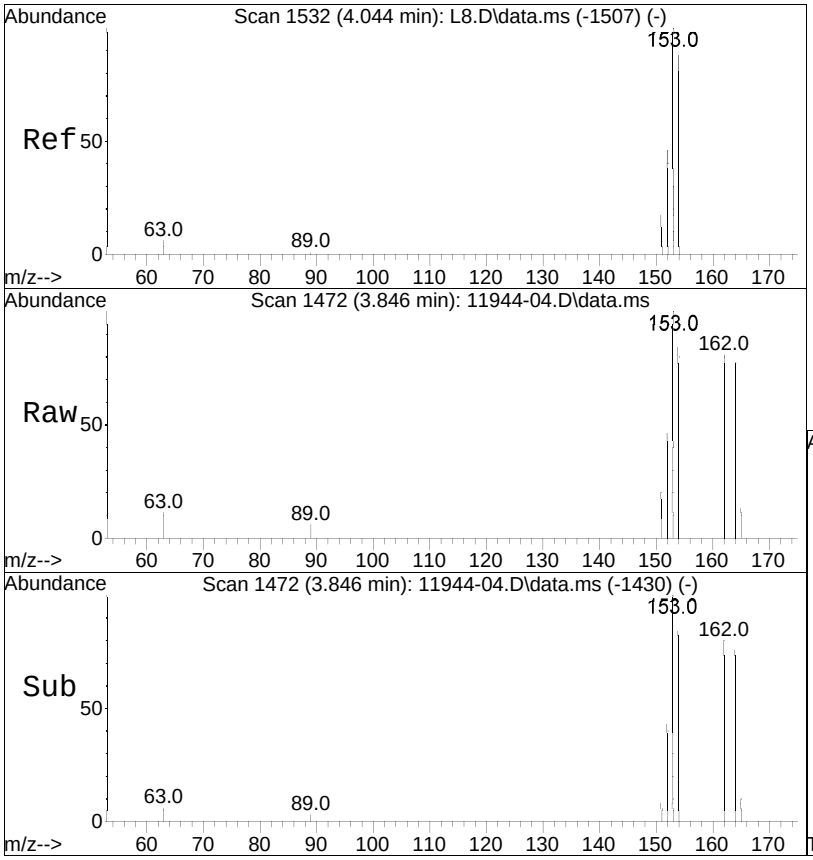


#12
2-Methylnaphthalene
Concen: 2.96 ng/ml
RT: 3.250 min Scan# 1235
Delta R.T. 0.003 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:142 Resp: 505

Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.3	106.9

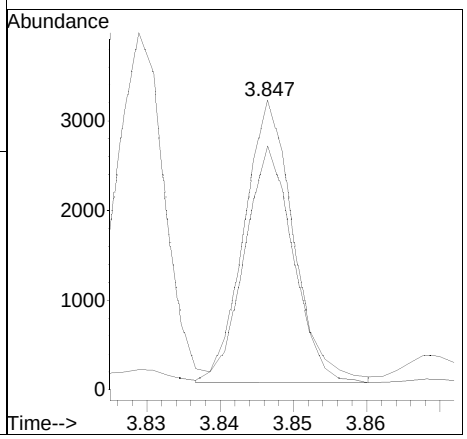


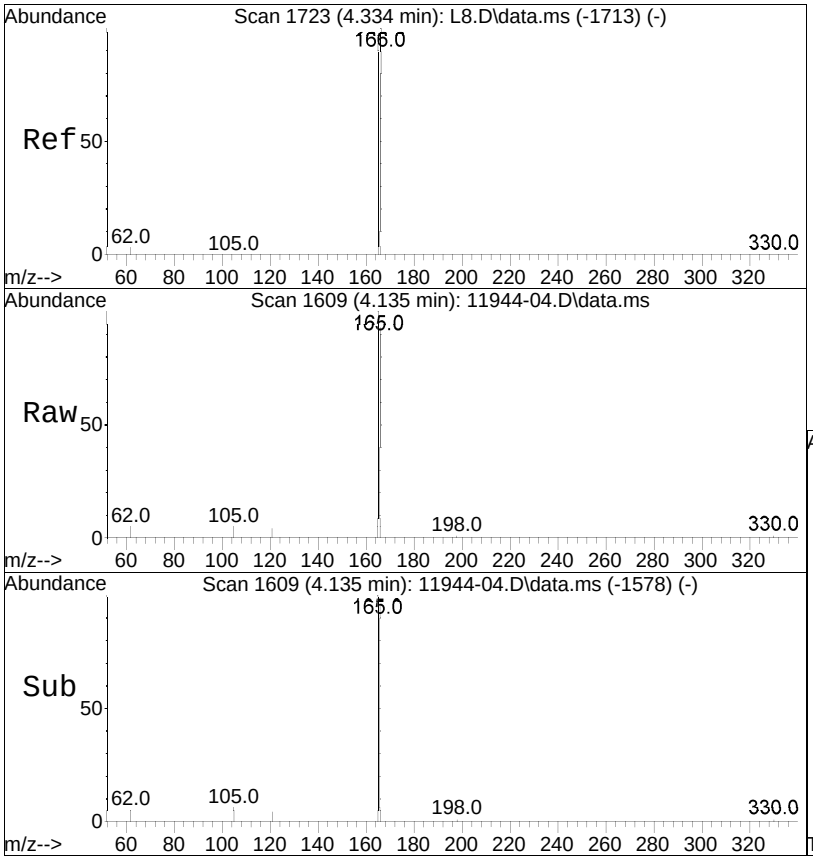


#19
Acenaphthene
Concen: 8.52 ng/ml
RT: 3.846 min Scan# 1472
Delta R.T. 0.002 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:153 Resp: 1474

Ion	Ratio	Lower	Upper
153	100		
154	81.1	73.1	109.7

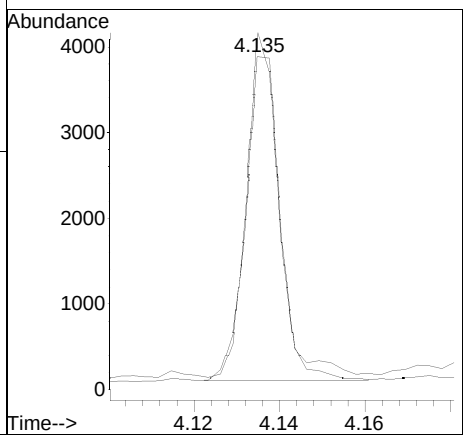


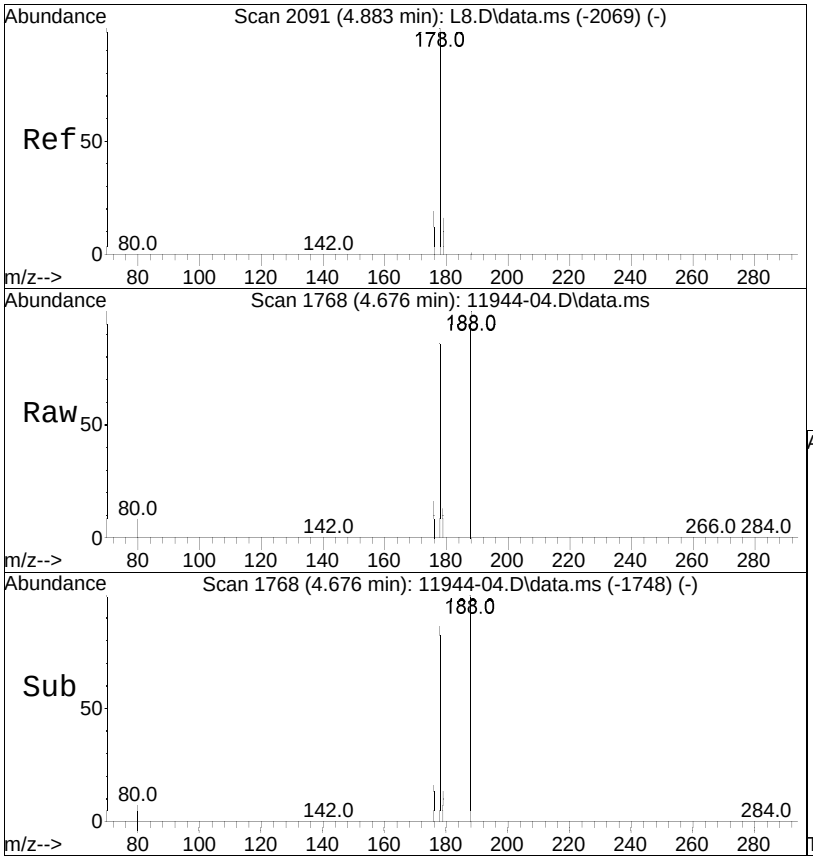


#21
Fluorene
Concen: 10.66 ng/ml
RT: 4.135 min Scan# 1609
Delta R.T. 0.002 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:166 Resp: 2120

Ion	Ratio	Lower	Upper
166	100		
165	101.2	77.8	116.8

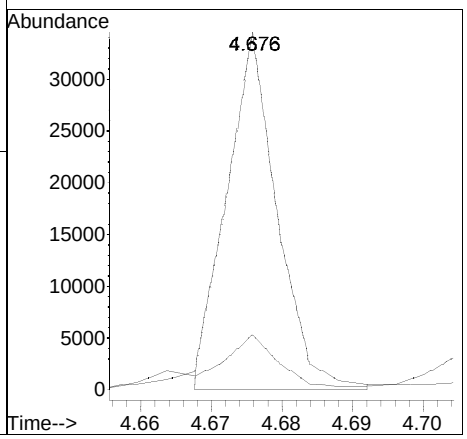


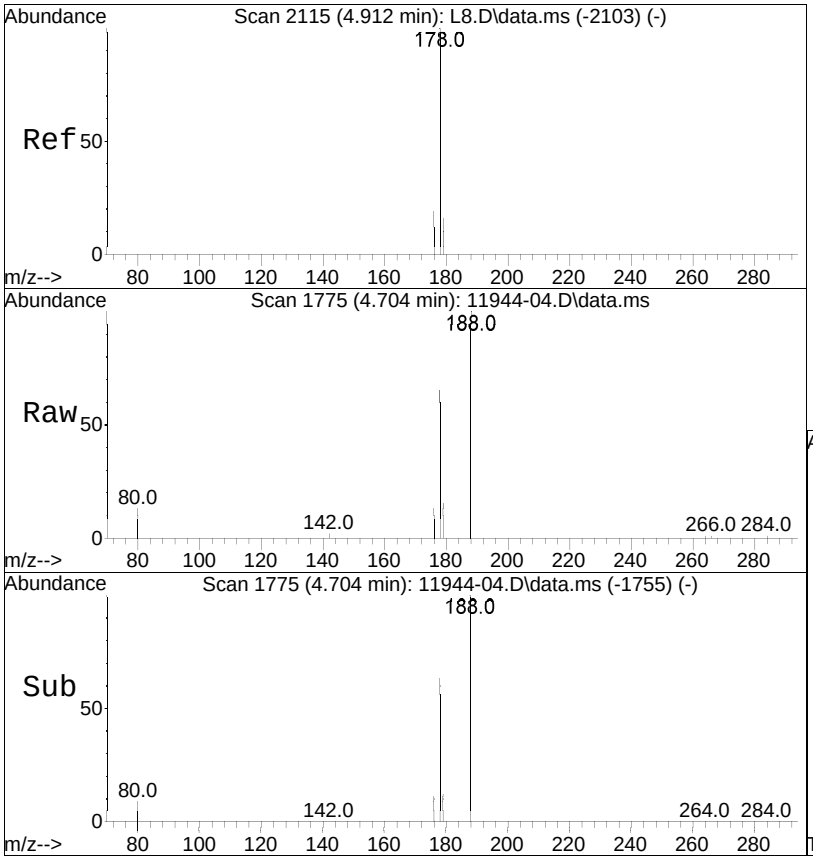


#27
Phenanthrene
Concen: 51.78 ng/ml M6
RT: 4.676 min Scan# 1768
Delta R.T. 0.003 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:178 Resp: 16901

Ion	Ratio	Lower	Upper
178	100		
179	20.5	12.8	19.2#

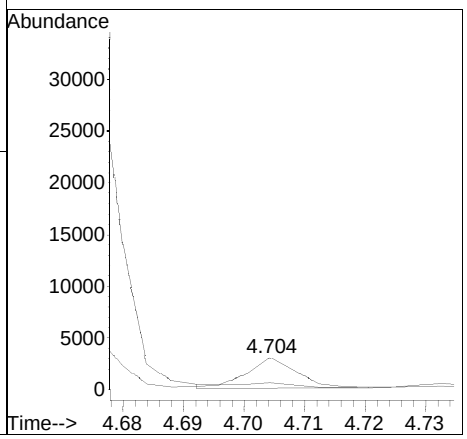


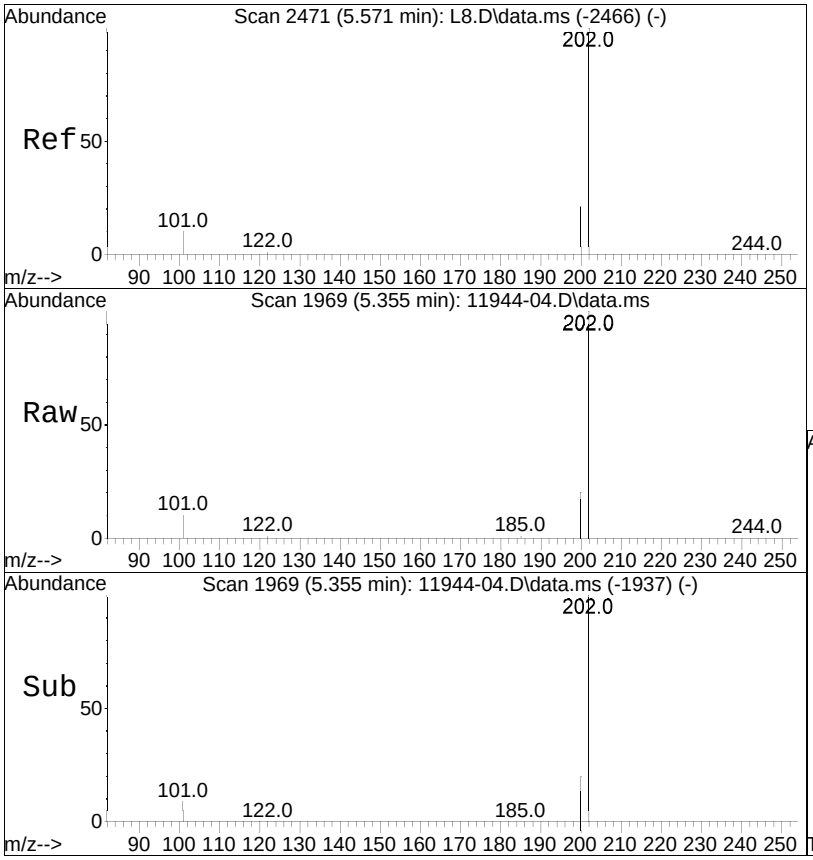


#28
Anthracene
Concen: 5.13 ng/ml
RT: 4.704 min Scan# 1775
Delta R.T. 0.003 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:178 Resp: 1680

Ion	Ratio	Lower	Upper
178	100		
179	21.4	12.6	18.8#

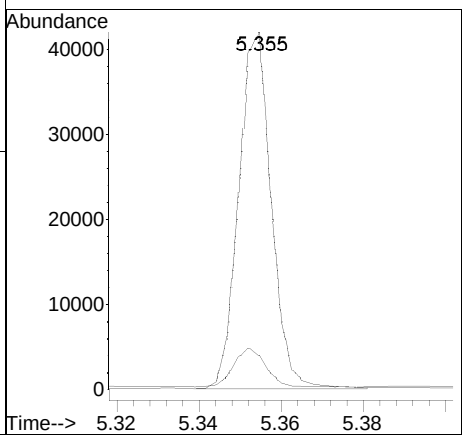


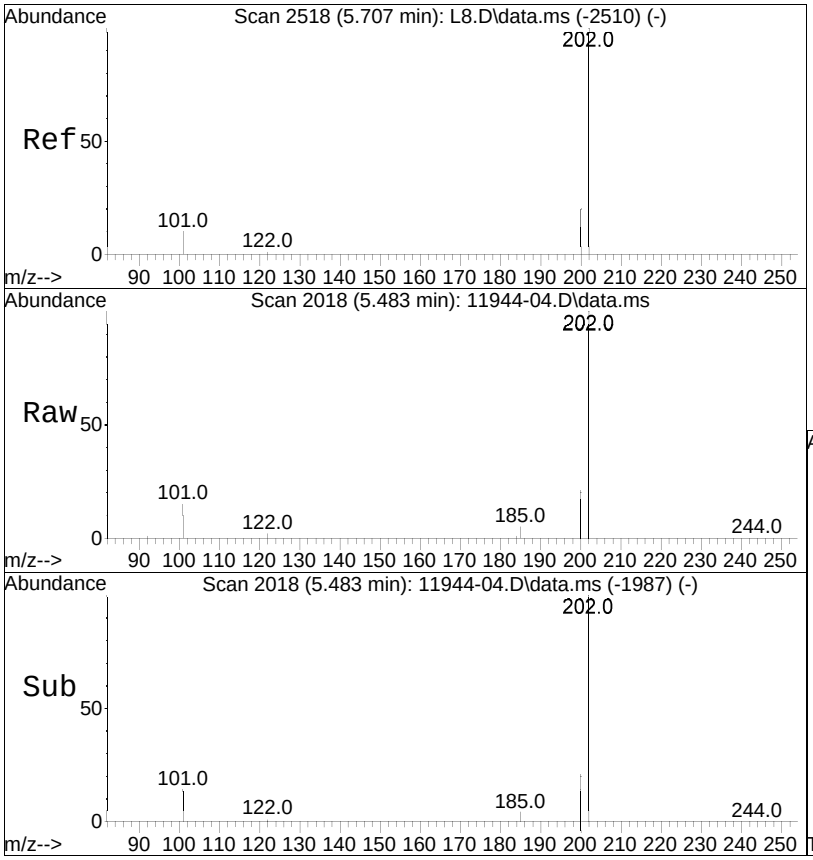


#29
Fluoranthene
Concen: 55.77 ng/ml
RT: 5.355 min Scan# 1969
Delta R.T. 0.004 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:202 Resp: 22775

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.2	12.2

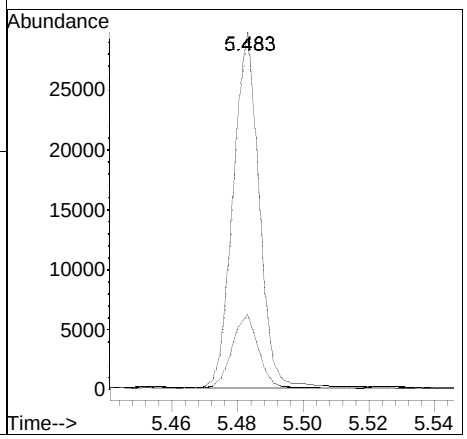


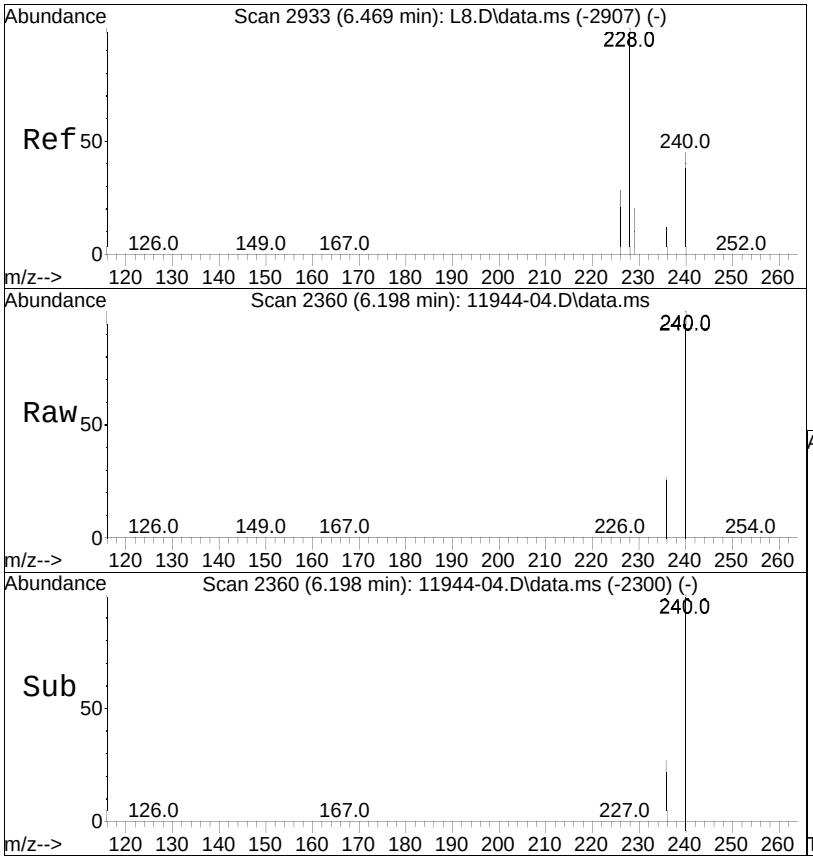


#30
Pyrene
Concen: 38.30 ng/ml
RT: 5.483 min Scan# 2018
Delta R.T. 0.001 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:202 Resp: 16141

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3

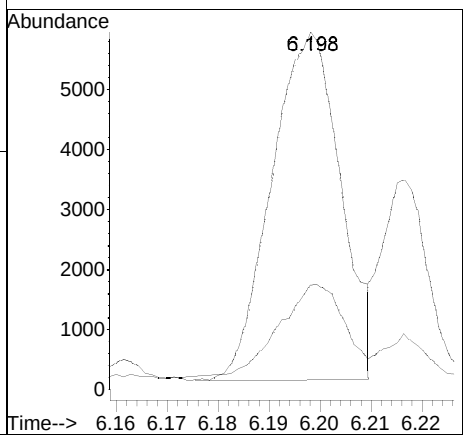


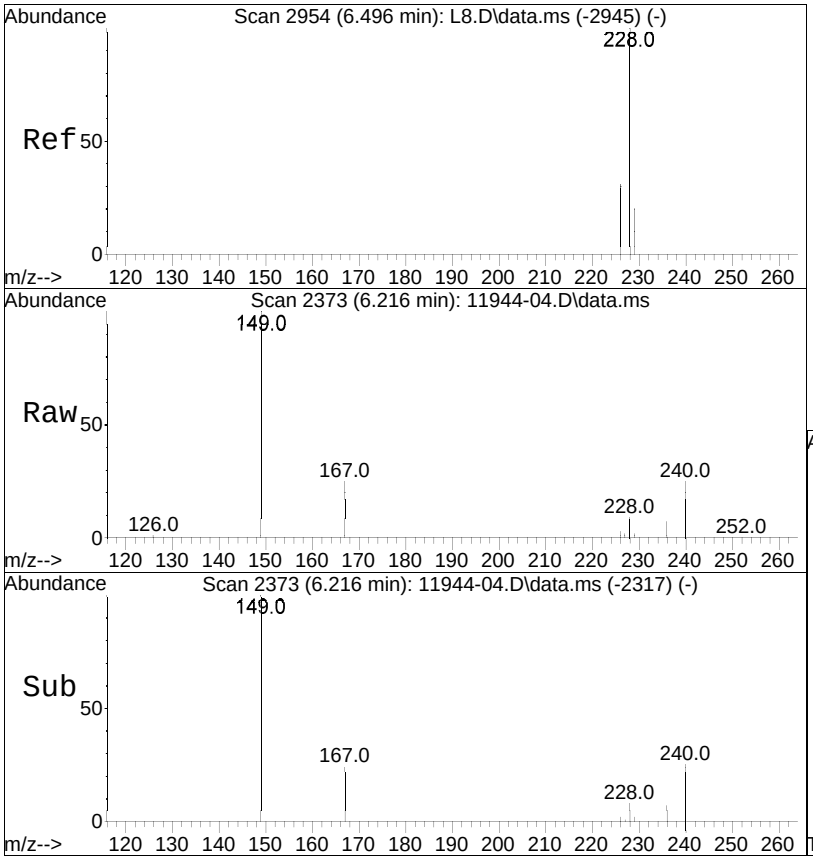


#34
Benzo[a]anthracene
Concen: 6.92 ng/ml
RT: 6.198 min Scan# 2360
Delta R.T. 0.004 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:228 Resp: 5426

Ion	Ratio	Lower	Upper
228	100		
229	26.4	15.9	23.9#

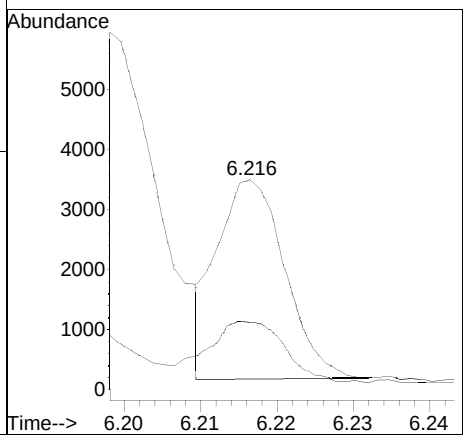




#36
Chrysene
Concen: 5.67 ng/ml
RT: 6.216 min Scan# 2373
Delta R.T. -0.001 min
Lab File: 11944-04.D
Acq: 06 Mar 2025 05:22 pm

Tgt Ion:228 Resp: 2046

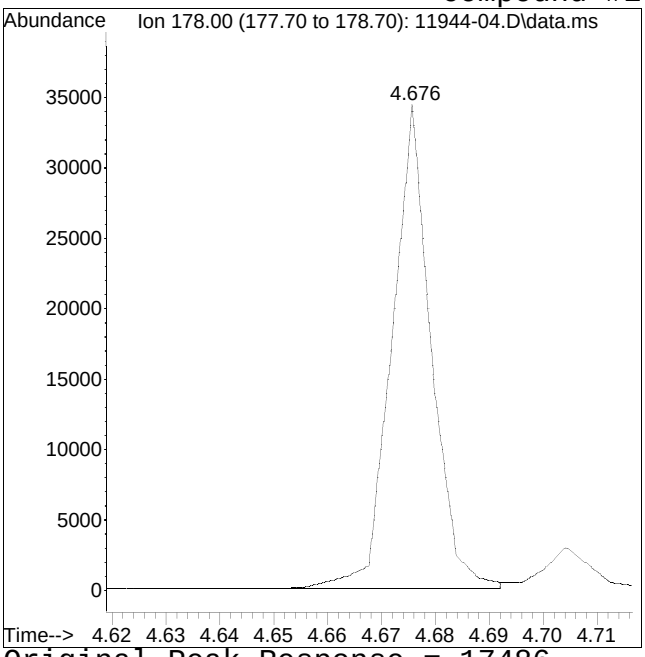
Ion	Ratio	Lower	Upper
228	100		
226	34.7	24.4	36.6



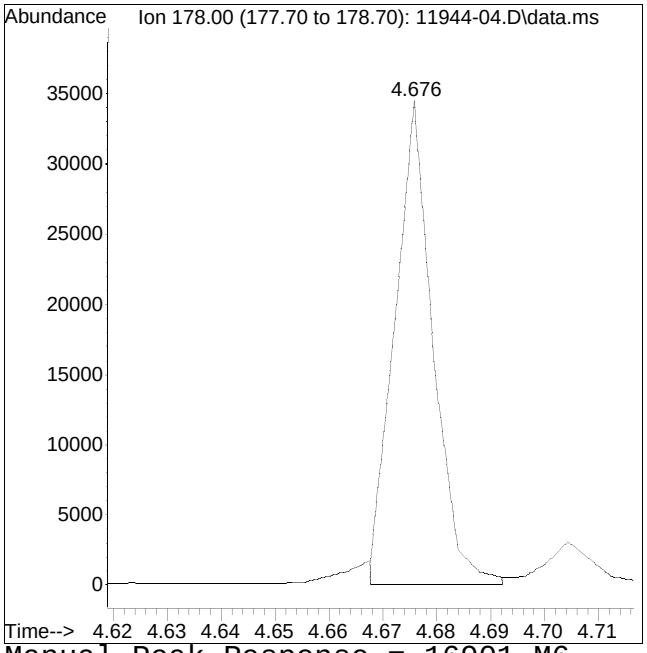
Manual Integration Report

Data Path : I:\8270SIM\sv119\250306RVTQMethod : SIM-RVT_241229_sv119.M
Data File : 11944-04.D Operator : sv119:jg
Date Inj'd : 3/6/2025 5:22 pm Instrument : SV119
Sample : L2511944-04,32,,kmh Quant Date : 3/6/2025 5:36 pm

Compound #27: Phenanthrene



Original Peak Response = 17486



Manual Peak Response = 16901 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-05.D
Acq On : 06 Mar 2025 05:39 pm
Operator : sv119:jg
Sample : L2511944-05,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 07 21:34:40 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.206	152	205760	4000.000	ng/ml	0.00
Standard Area 1 = 292191			Recovery = 70.42%			
9) Naphthalene-d8	2.861	136	825796	4000.000	ng/ml	0.00
Standard Area 1 = 1182863			Recovery = 69.81%			
18) Acenaphthene-d10	3.829	164	500468	4000.000	ng/ml	0.00
Standard Area 1 = 685201			Recovery = 73.04%			
23) Phenanthrene-d10	4.665	188	1094754	4000.000	ng/ml	0.00
Standard Area 1 = 1483480			Recovery = 73.80%			
33) Chrysene-d12	6.199	240	1029194	4000.000	ng/ml	0.00
Standard Area 1 = 1506958			Recovery = 68.30%			
38) Perylene-d12	7.373	264	951451	4000.000	ng/ml	0.00
Standard Area 1 = 1589828			Recovery = 59.85%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.634	112	61921	1123.162	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.16%			
4) Phenol-d6	2.028	99	67790	985.176	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.26%			
8) Nitrobenzene-d5	2.486	82	69234	1037.582	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 103.76%			
14) 2-Fluorobiphenyl	3.454	172	185417	920.795	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.08%			
22) 2,4,6-Tribromophenol	4.274	330	38848	1778.520	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 88.93%			
32) 4-Terphenyl-d14	5.573	244	279117	1027.741	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.77%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	2.872	128	924	4.012	ng/ml	96
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-05.D
Acq On : 06 Mar 2025 05:39 pm
Operator : sv119:jg
Sample : L2511944-05,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 07 21:34:40 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250306RVT\ccv0306.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

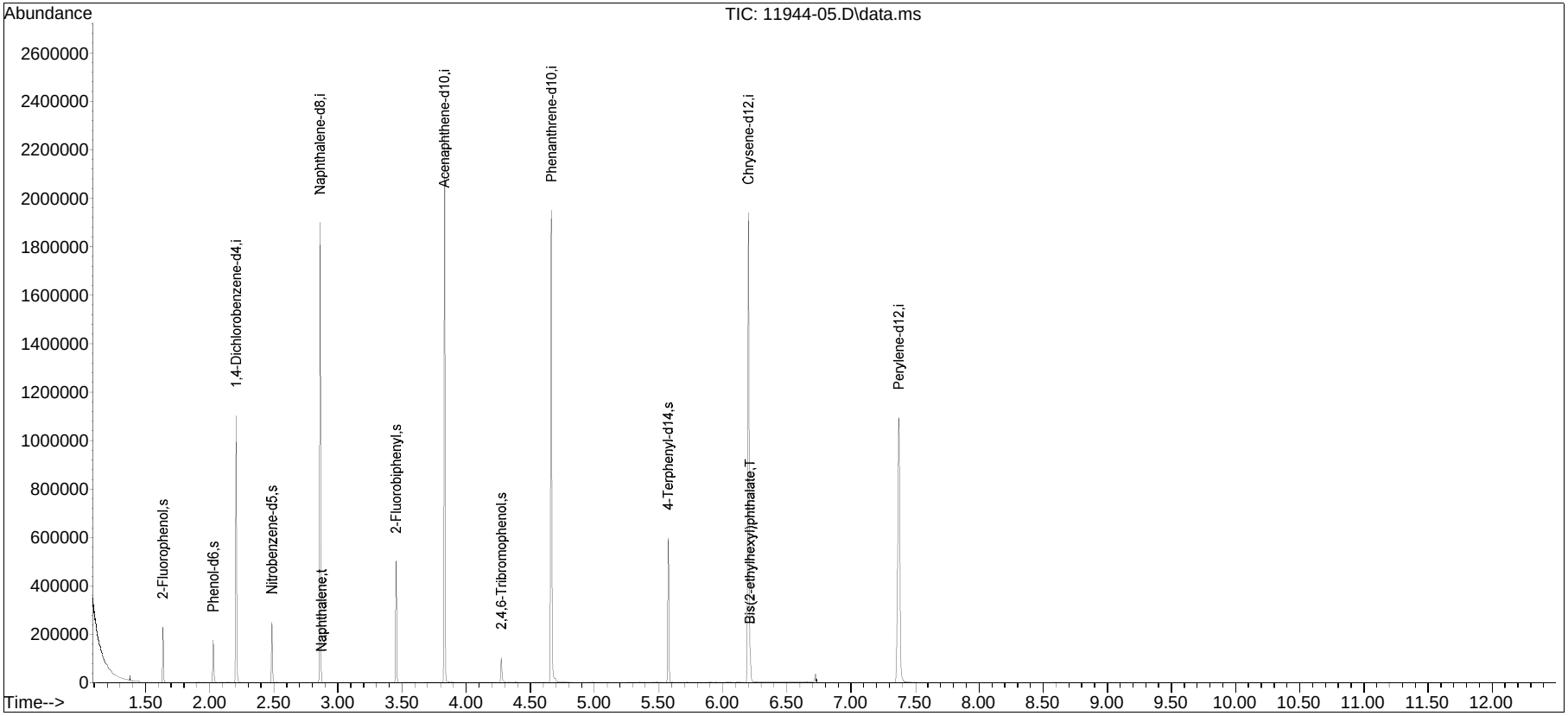
(#) = qualifier out of range (m) = manual integration (+) = signals summed

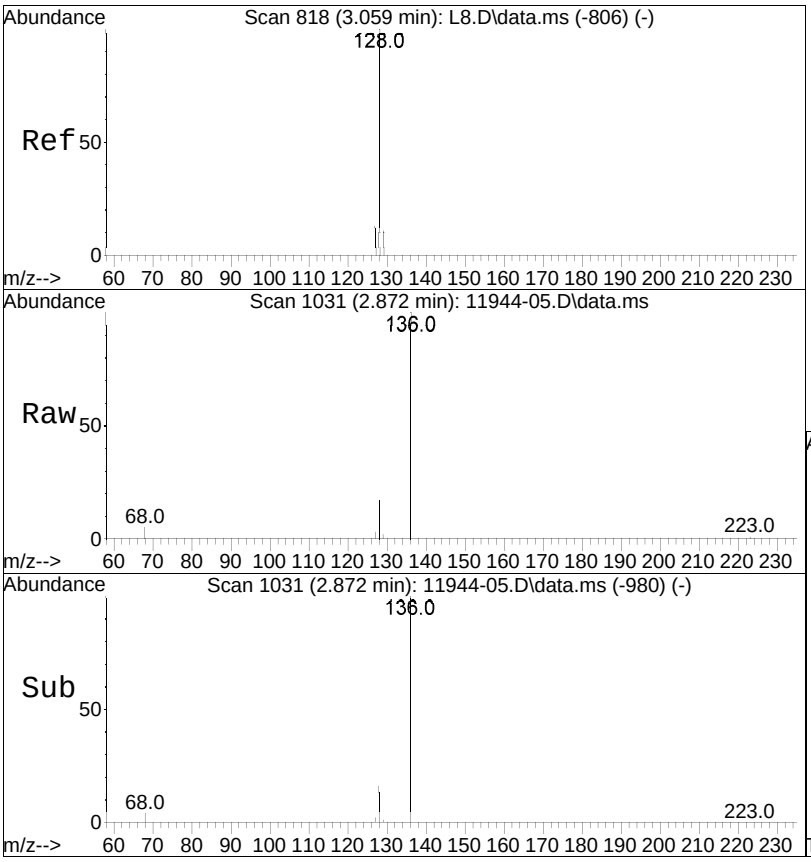
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : 11944-05.D
Acq On : 06 Mar 2025 05:39 pm
Operator : sv119:jg
Sample : L2511944-05,32,,kmh
Misc : WG2037227,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 07 21:34:40 2025
Quant Method : I:\8270sim\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:32 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0306.D•

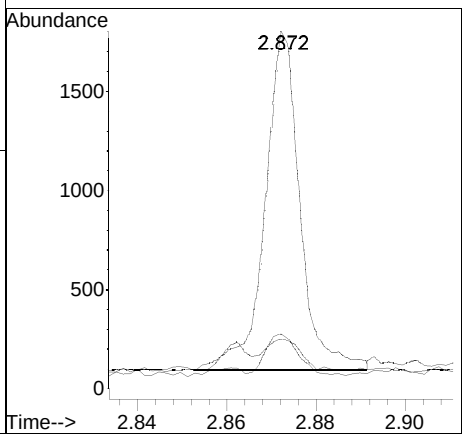




#10
Naphthalene
Concen: 4.01 ng/ml
RT: 2.872 min Scan# 1031
Delta R.T. 0.002 min
Lab File: 11944-05.D
Acq: 06 Mar 2025 05:39 pm

Tgt Ion:128 Resp: 924

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	11.1	10.5	15.7



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250306RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-05.D	Operator	: sv119:jg
Date Inj'd	: 3/6/2025 5:39 pm	Instrument	: SV119
Sample	: L2511944-05,32,,kmh	Quant Date	: 3/6/2025 5:52 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-06.D
Acq On : 07 Mar 2025 07:09 pm
Operator : sv119:jg
Sample : L2511944-06,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 08 15:35:35 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.208	152	194466	4000.000	ng/ml	0.00
Standard Area 1 = 289180			Recovery = 67.25%			
9) Naphthalene-d8	2.862	136	774360	4000.000	ng/ml	0.00
Standard Area 1 = 1098212			Recovery = 70.51%			
18) Acenaphthene-d10	3.829	164	440700	4000.000	ng/ml	0.00
Standard Area 1 = 628673			Recovery = 70.10%			
23) Phenanthrene-d10	4.665	188	936866	4000.000	ng/ml	0.00
Standard Area 1 = 1320641			Recovery = 70.94%			
33) Chrysene-d12	6.201	240	855507	4000.000	ng/ml	0.00
Standard Area 1 = 1312779			Recovery = 65.17%			
38) Perylene-d12	7.373	264	852980	4000.000	ng/ml	0.00
Standard Area 1 = 1350730			Recovery = 63.15%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.635	112	70123	1345.805	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 67.29%			
4) Phenol-d6	2.031	99	64667	994.370	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.72%			
8) Nitrobenzene-d5	2.488	82	70941	1124.910	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 112.49%			
14) 2-Fluorobiphenyl	3.454	172	181490	961.161	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.12%			
22) 2,4,6-Tribromophenol	4.274	330	42705	2220.251	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 111.01%#			
32) 4-Terphenyl-d14	5.574	244	256307	1102.801	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 110.28%			

Target Compounds			Qvalue
5) Bis(2-chloroethyl)ether	0.000	0	N.D.
7) Hexachloroethane	0.000	0	N.D.
10) Naphthalene	0.000	0	N.D. d
11) Hexachlorobutadiene	0.000	0	N.D.
12) 2-Methylnaphthalene	0.000	0	N.D. d
15) 2-Chloronaphthalene	0.000	0	N.D. d
17) Acenaphthylene	0.000	0	N.D. d
19) Acenaphthene	0.000	0	N.D. d
21) Fluorene	0.000	0	N.D. d
25) Hexachlorobenzene	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-06.D
Acq On : 07 Mar 2025 07:09 pm
Operator : sv119:jg
Sample : L2511944-06,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 08 15:35:35 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	5.354	202	752	2.194	ng/ml#	94
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

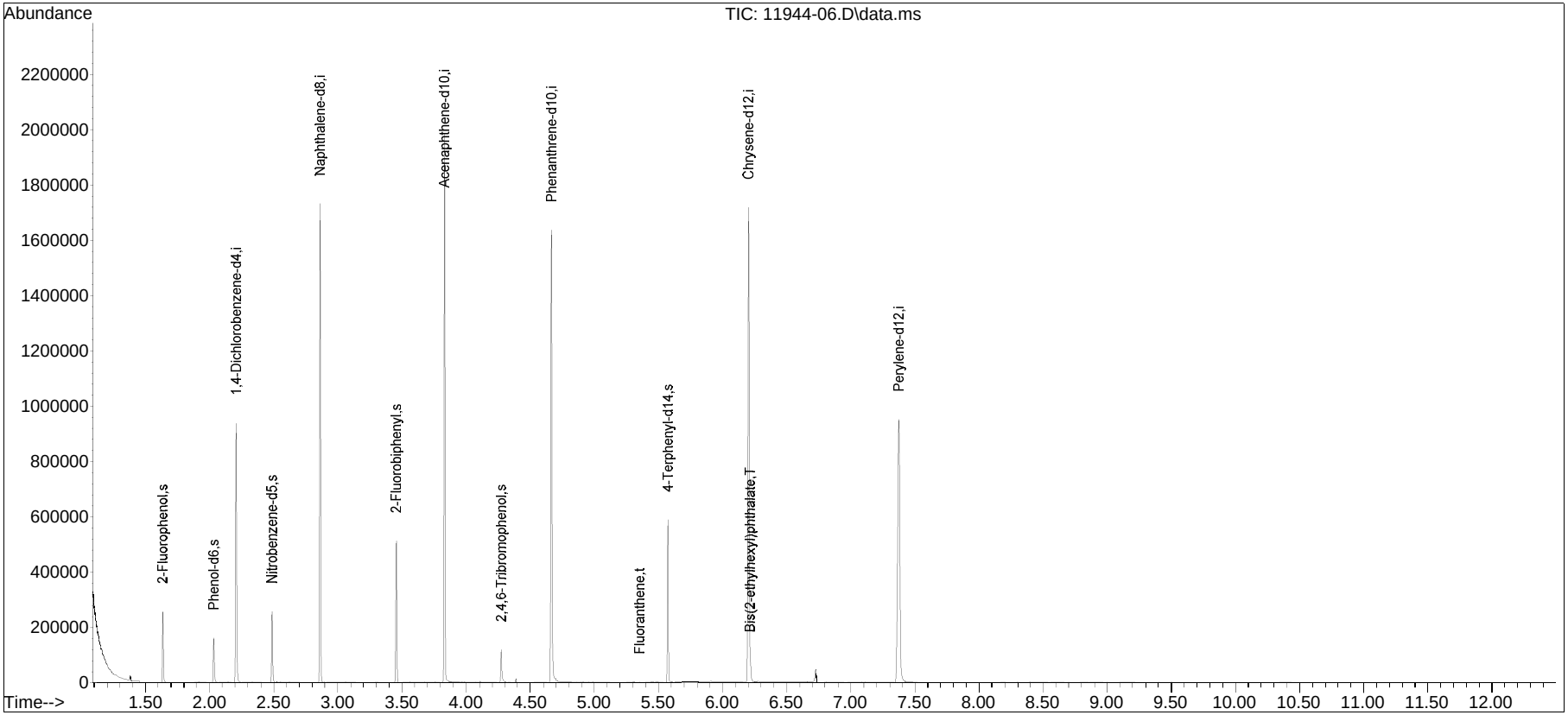
(#) = qualifier out of range (m) = manual integration (+) = signals summed

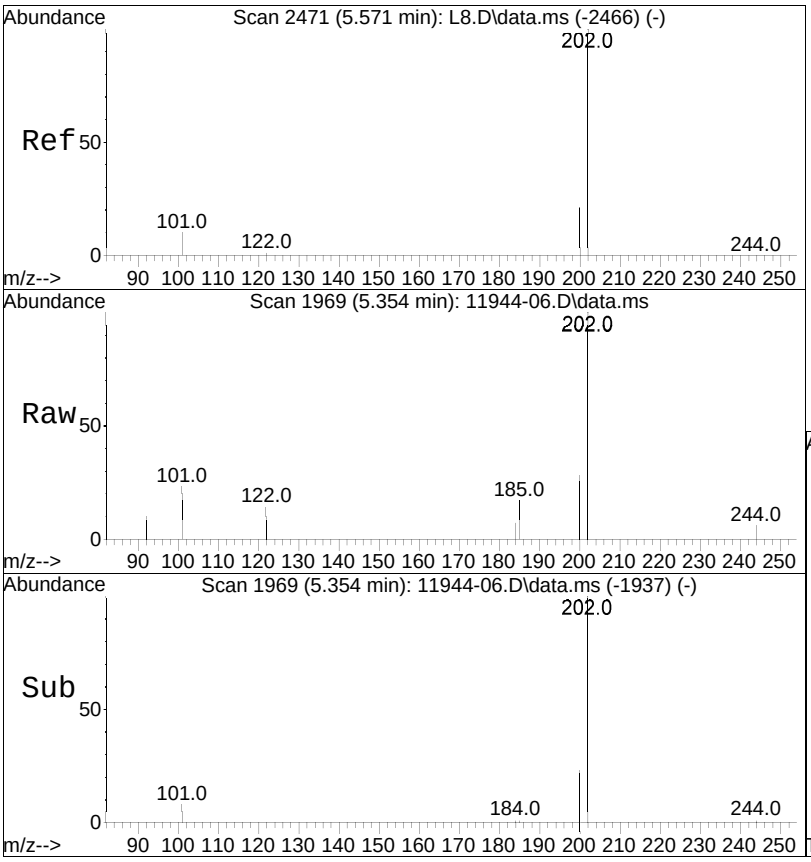
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-06.D
Acq On : 07 Mar 2025 07:09 pm
Operator : sv119:jg
Sample : L2511944-06,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 08 15:35:35 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0307.D•

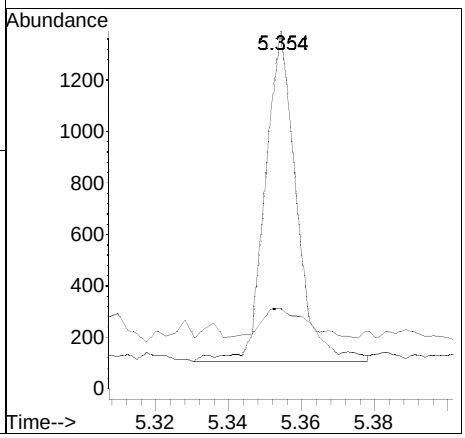




#29
Fluoranthene
Concen: 2.19 ng/ml
RT: 5.354 min Scan# 1969
Delta R.T. 0.003 min
Lab File: 11944-06.D
Acq: 07 Mar 2025 07:09 pm

Tgt Ion:202 Resp: 752

Ion	Ratio	Lower	Upper
202	100		
101	12.5	8.2	12.2#



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-06.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:09 pm	Instrument	: SV119
Sample	: L2511944-06,32,,HNY	Quant Date	: 3/7/2025 7:23 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-07.D
Acq On : 07 Mar 2025 07:59 pm
Operator : sv119:jg
Sample : L2511944-07,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 08 15:36:18 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.208	152	184022	4000.000 ng/ml	0.00
Standard Area 1 = 289180			Recovery = 63.64%		
9) Naphthalene-d8	2.863	136	711602	4000.000 ng/ml	0.00
Standard Area 1 = 1098212			Recovery = 64.80%		
18) Acenaphthene-d10	3.829	164	405764	4000.000 ng/ml	0.00
Standard Area 1 = 628673			Recovery = 64.54%		
23) Phenanthrene-d10	4.665	188	838070	4000.000 ng/ml	0.00
Standard Area 1 = 1320641			Recovery = 63.46%		
33) Chrysene-d12	6.201	240	803084	4000.000 ng/ml	0.00
Standard Area 1 = 1312779			Recovery = 61.17%		
38) Perylene-d12	7.373	264	814396	4000.000 ng/ml	0.00
Standard Area 1 = 1350730			Recovery = 60.29%		
System Monitoring Compounds					
3) 2-Fluorophenol	1.635	112	74774	1516.514 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 75.83%		
4) Phenol-d6	2.031	99	67367	1094.679 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.73%		
8) Nitrobenzene-d5	2.488	82	63550	1064.902 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.49%		
14) 2-Fluorobiphenyl	3.454	172	161268	929.388 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.94%		
22) 2,4,6-Tribromophenol	4.274	330	47050	2656.761 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 132.84%#		
32) 4-Terphenyl-d14	5.574	244	235649	1133.442 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 113.34%		
Target Compounds					Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d	
7) Hexachloroethane	0.000		0	N.D.	
10) Naphthalene	0.000		0	N.D. d	
11) Hexachlorobutadiene	0.000		0	N.D.	
12) 2-Methylnaphthalene	0.000		0	N.D. d	
15) 2-Chloronaphthalene	0.000		0	N.D.	
17) Acenaphthylene	0.000		0	N.D. d	
19) Acenaphthene	0.000		0	N.D. d	
21) Fluorene	0.000		0	N.D. d	
25) Hexachlorobenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-07.D
Acq On : 07 Mar 2025 07:59 pm
Operator : sv119:jg
Sample : L2511944-07,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 08 15:36:18 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

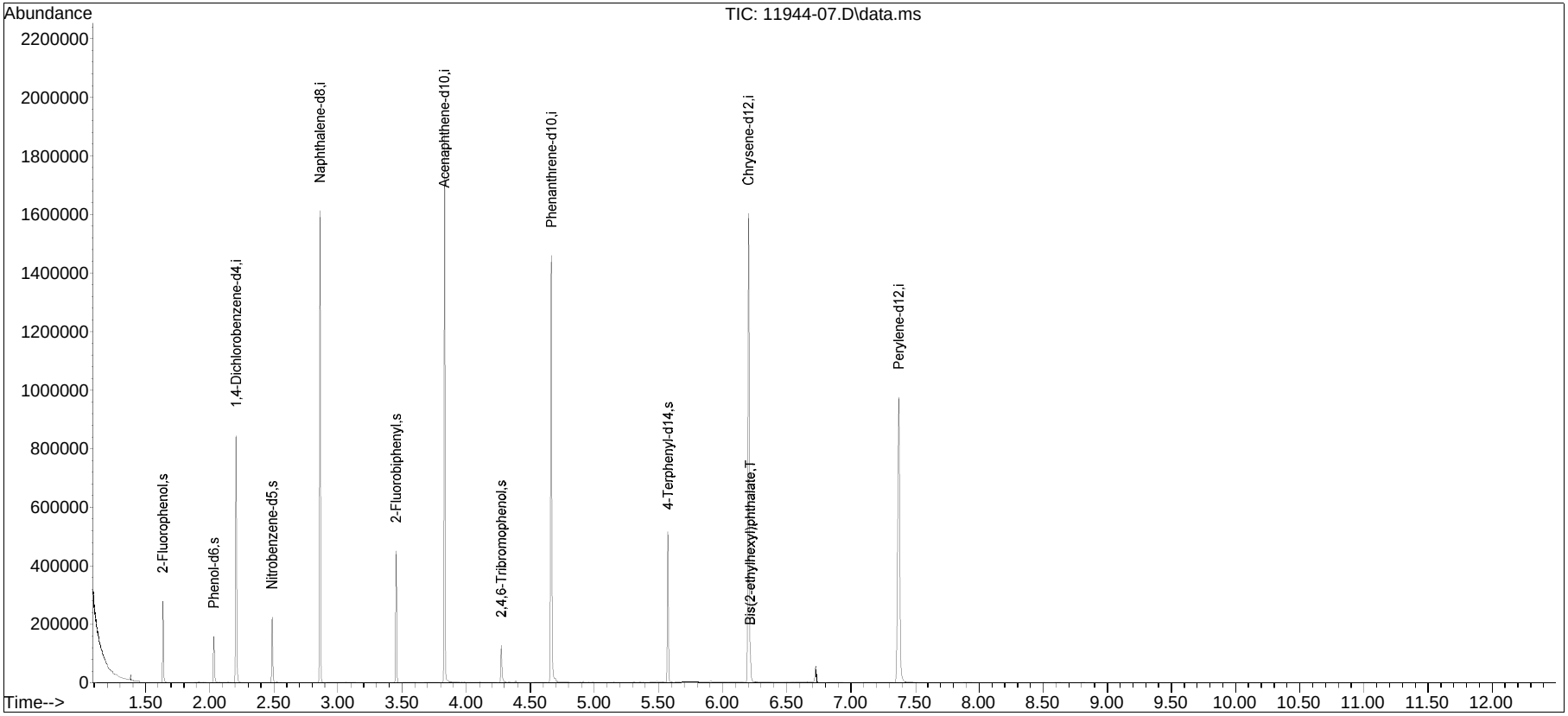
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-07.D
Acq On : 07 Mar 2025 07:59 pm
Operator : sv119:jg
Sample : L2511944-07,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Mar 08 15:36:18 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0307.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-07.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:59 pm	Instrument	: SV119
Sample	: L2511944-07,32,,HNY	Quant Date	: 3/7/2025 8:13 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-08.D
Acq On : 07 Mar 2025 08:16 pm
Operator : sv119:jg
Sample : L2511944-08,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 08 15:37:09 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.205	152	184562	4000.000	ng/ml	0.00
Standard Area 1 = 289180			Recovery = 63.82%			
9) Naphthalene-d8	2.861	136	716891	4000.000	ng/ml	0.00
Standard Area 1 = 1098212			Recovery = 65.28%			
18) Acenaphthene-d10	3.829	164	414471	4000.000	ng/ml	0.00
Standard Area 1 = 628673			Recovery = 65.93%			
23) Phenanthrene-d10	4.664	188	863493	4000.000	ng/ml	0.00
Standard Area 1 = 1320641			Recovery = 65.38%			
33) Chrysene-d12	6.202	240	835081	4000.000	ng/ml	0.00
Standard Area 1 = 1312779			Recovery = 63.61%			
38) Perylene-d12	7.375	264	841610	4000.000	ng/ml	0.00
Standard Area 1 = 1350730			Recovery = 62.31%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.635	112	67596	1366.923	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 68.35%			
4) Phenol-d6	2.030	99	62447	1011.762	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.59%			
8) Nitrobenzene-d5	2.487	82	60023	1002.858	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.29%			
14) 2-Fluorobiphenyl	3.454	172	153785	879.725	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.97%			
22) 2,4,6-Tribromophenol	4.274	330	40458	2236.540	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 111.83%#			
32) 4-Terphenyl-d14	5.573	244	222545	1038.898	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 103.89%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D. d		
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D. d		
15) 2-Chloronaphthalene	0.000		0	N.D. d		
17) Acenaphthylene	0.000		0	N.D. d		
19) Acenaphthene	0.000		0	N.D. d		
21) Fluorene	0.000		0	N.D. d		
25) Hexachlorobenzene	0.000		0	N.D. d		

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-08.D
Acq On : 07 Mar 2025 08:16 pm
Operator : sv119:jg
Sample : L2511944-08,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 08 15:37:09 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

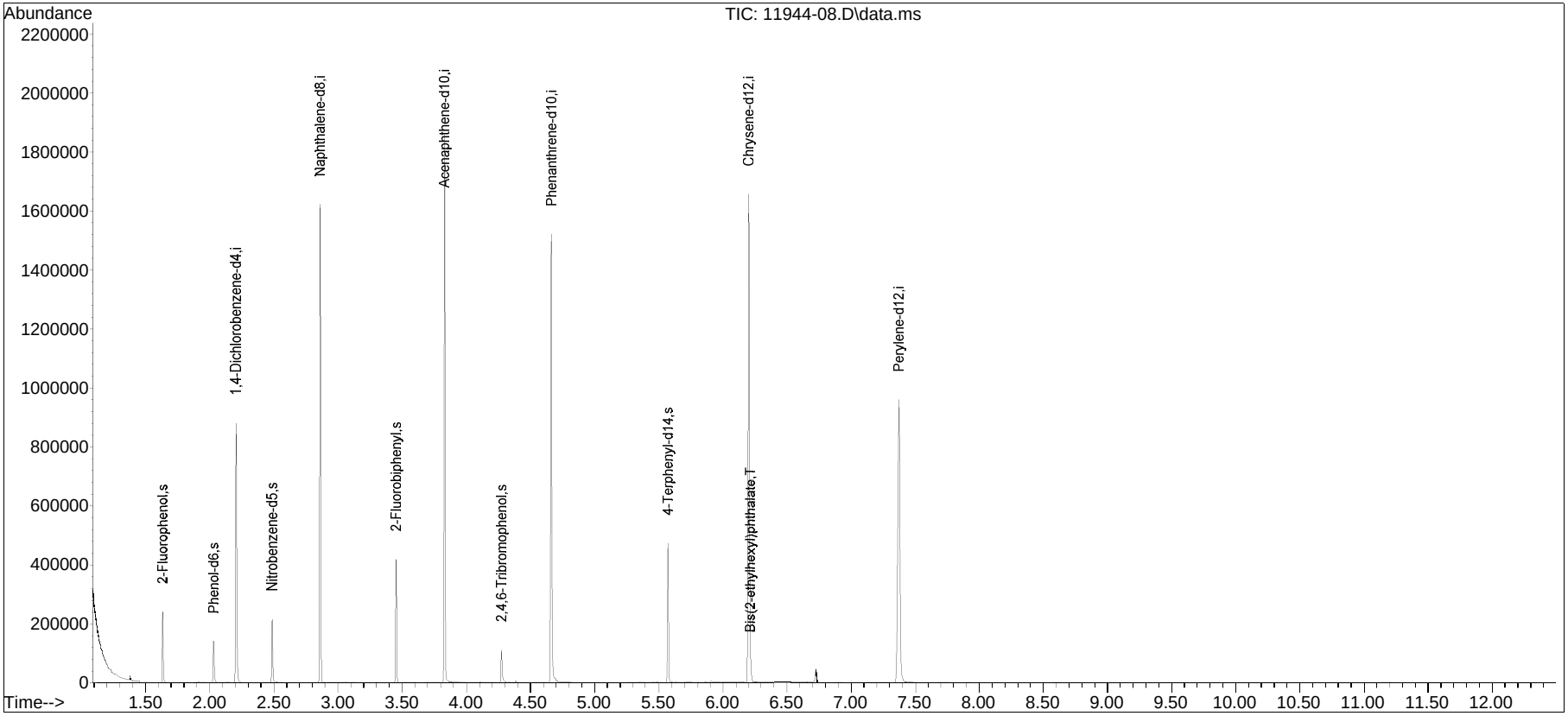
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 11944-08.D
Acq On : 07 Mar 2025 08:16 pm
Operator : sv119:jg
Sample : L2511944-08,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Mar 08 15:37:09 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0307.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 11944-08.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 8:16 pm	Instrument	: SV119
Sample	: L2511944-08,32,,HNY	Quant Date	: 3/7/2025 8:30 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 11944-09.D
Acq On : 10 Mar 2025 03:50 pm
Operator : sv119:dv
Sample : L2511944-09,32,,RE,jjw
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 10 16:07:44 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	209039	4000.000	ng/ml	0.00
Standard Area 1 = 260626			Recovery = 80.21%			
9) Naphthalene-d8	2.860	136	846773	4000.000	ng/ml	0.00
Standard Area 1 = 1055214			Recovery = 80.25%			
18) Acenaphthene-d10	3.827	164	510826	4000.000	ng/ml	0.00
Standard Area 1 = 633060			Recovery = 80.69%			
23) Phenanthrene-d10	4.662	188	1091613	4000.000	ng/ml	0.00
Standard Area 1 = 1362342			Recovery = 80.13%			
33) Chrysene-d12	6.198	240	914873	4000.000	ng/ml	0.00
Standard Area 1 = 1279573			Recovery = 71.50%			
38) Perylene-d12	7.369	264	860955	4000.000	ng/ml	0.00
Standard Area 1 = 1206831			Recovery = 71.34%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.638	112	97865	1747.292	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 87.36%			
4) Phenol-d6	2.034	99	94811	1356.253	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 67.81%			
8) Nitrobenzene-d5	2.483	82	72807	1074.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 107.40%			
14) 2-Fluorobiphenyl	3.452	172	196465	951.490	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.15%			
22) 2,4,6-Tribromophenol	4.274	330	48273	2165.199	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 108.26%			
32) 4-Terphenyl-d14	5.571	244	254683	940.471	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.05%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	2.871	128	890	3.769	ng/ml	97
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 11944-09.D
Acq On : 10 Mar 2025 03:50 pm
Operator : sv119:dv
Sample : L2511944-09,32,,RE,jjw
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 10 16:07:44 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.		
27) Phenanthrene	4.674	178	1154M6	3.616	ng/ml	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	5.353	202	1565	3.919	ng/ml	98
30) Pyrene	5.482	202	1505	3.651	ng/ml	97
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

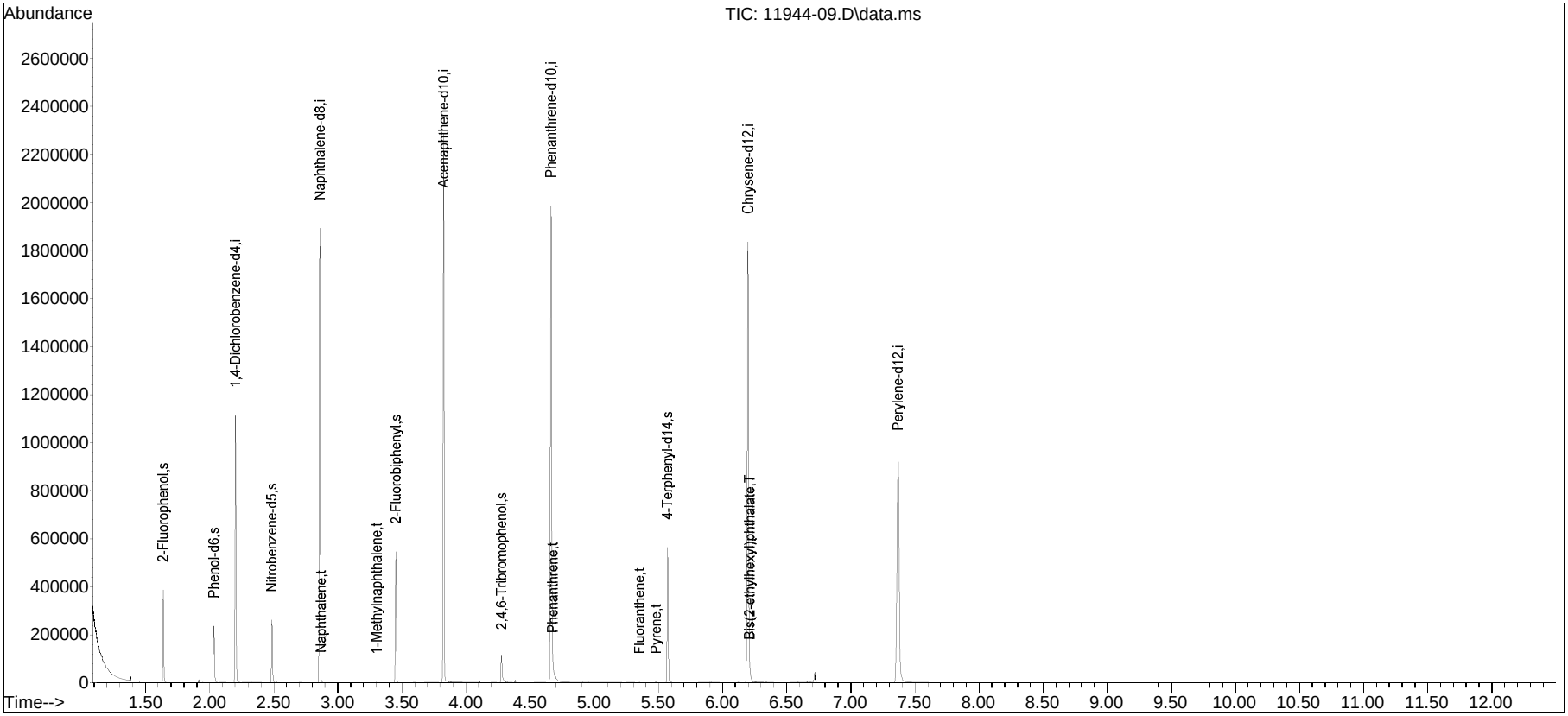
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

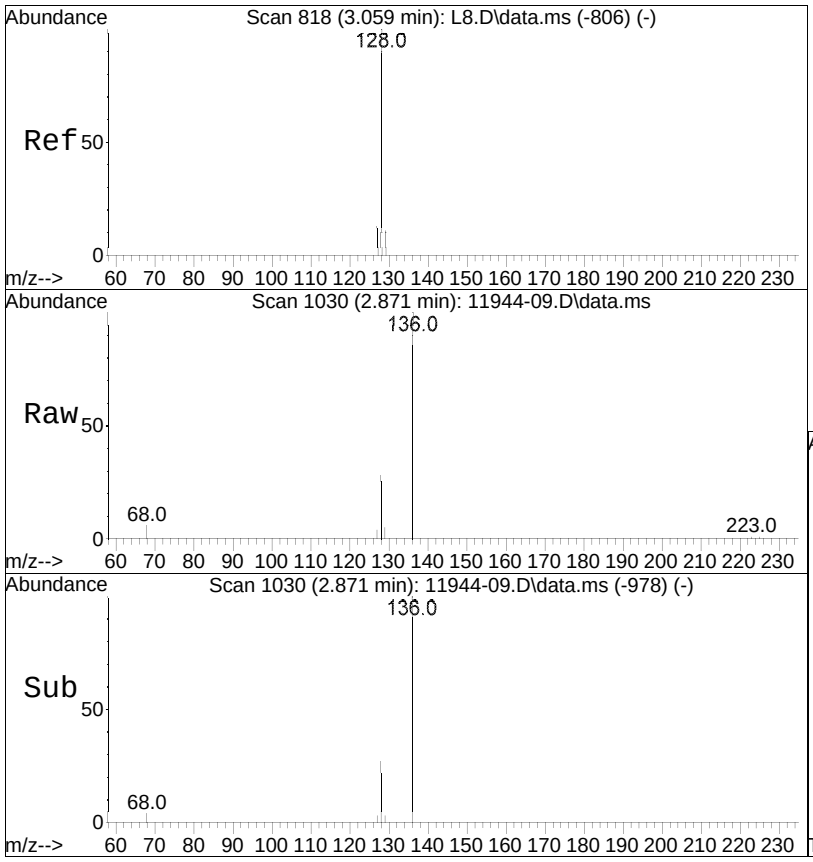
Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 11944-09.D
Acq On : 10 Mar 2025 03:50 pm
Operator : sv119:dv
Sample : L2511944-09,32,,RE,jjw
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 10 16:07:44 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0310.D•



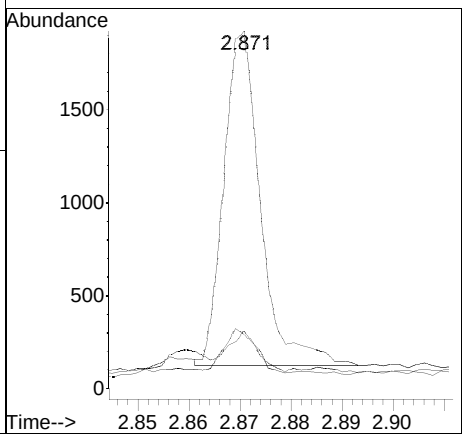
SIM-RVT_241229_sv119.M Mon Mar 10 16:21:59 2025 Page: 3

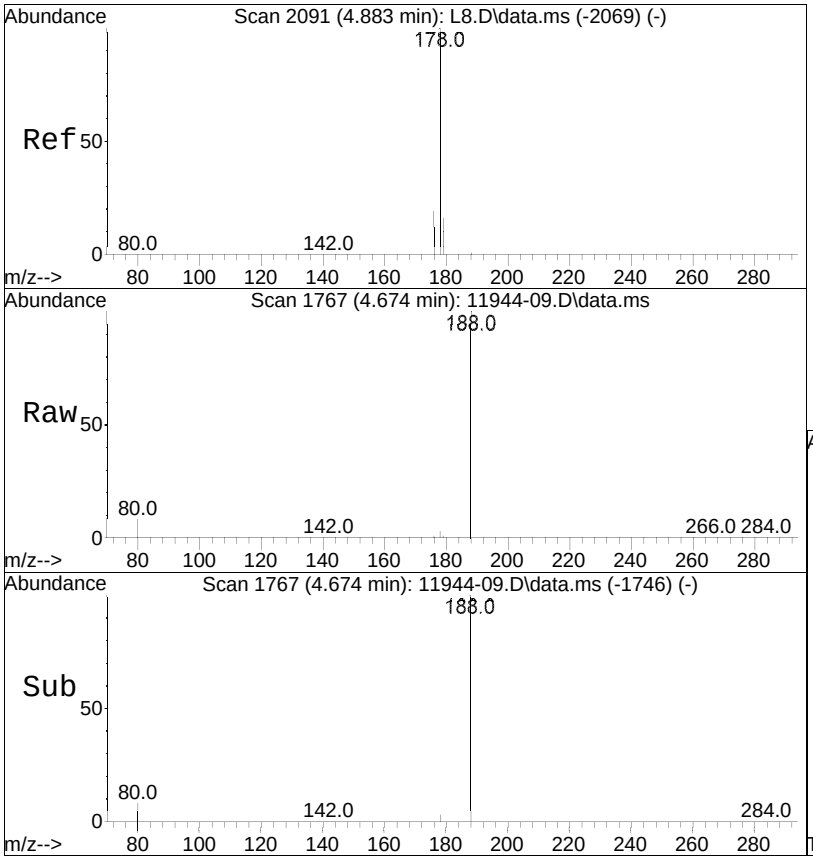


#10
Naphthalene
Concen: 3.77 ng/ml
RT: 2.871 min Scan# 1030
Delta R.T. 0.003 min
Lab File: 11944-09.D
Acq: 10 Mar 2025 03:50 pm

Tgt Ion:128 Resp: 890

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	11.6	10.5	15.7

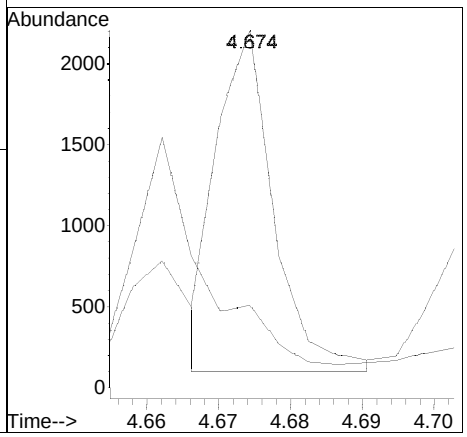


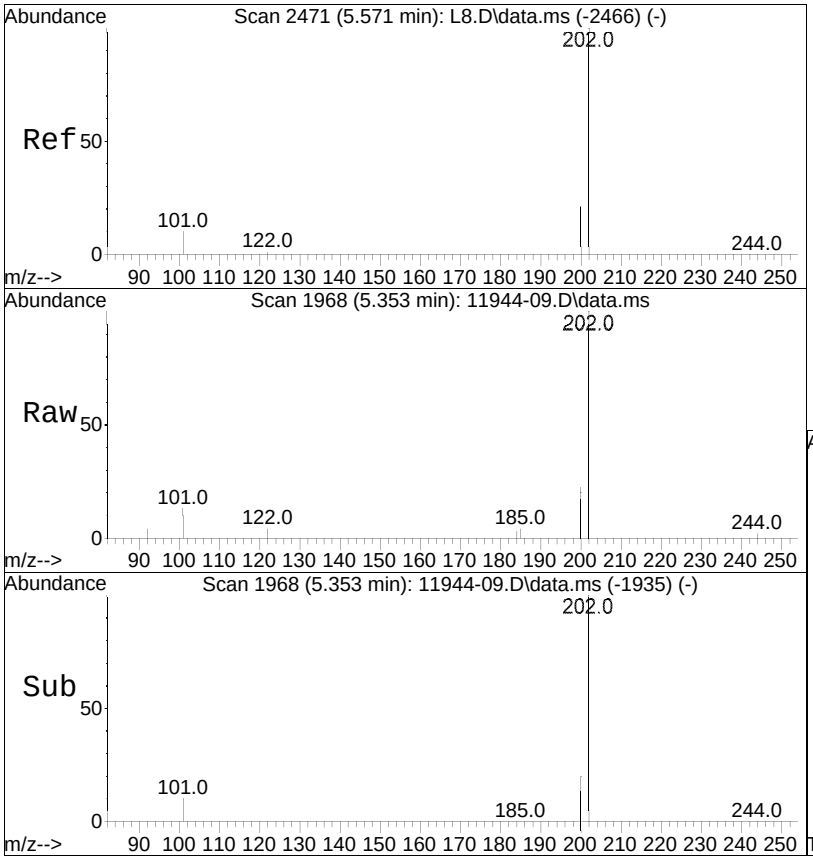


#27
Phenanthrene
Concen: 3.62 ng/ml M6
RT: 4.674 min Scan# 1767
Delta R.T. 0.004 min
Lab File: 11944-09.D
Acq: 10 Mar 2025 03:50 pm

Tgt Ion:178 Resp: 1154

Ion	Ratio	Lower	Upper
178	100		
179	11.4	12.8	19.2#

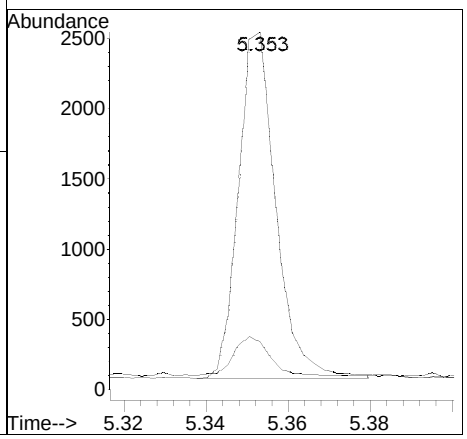


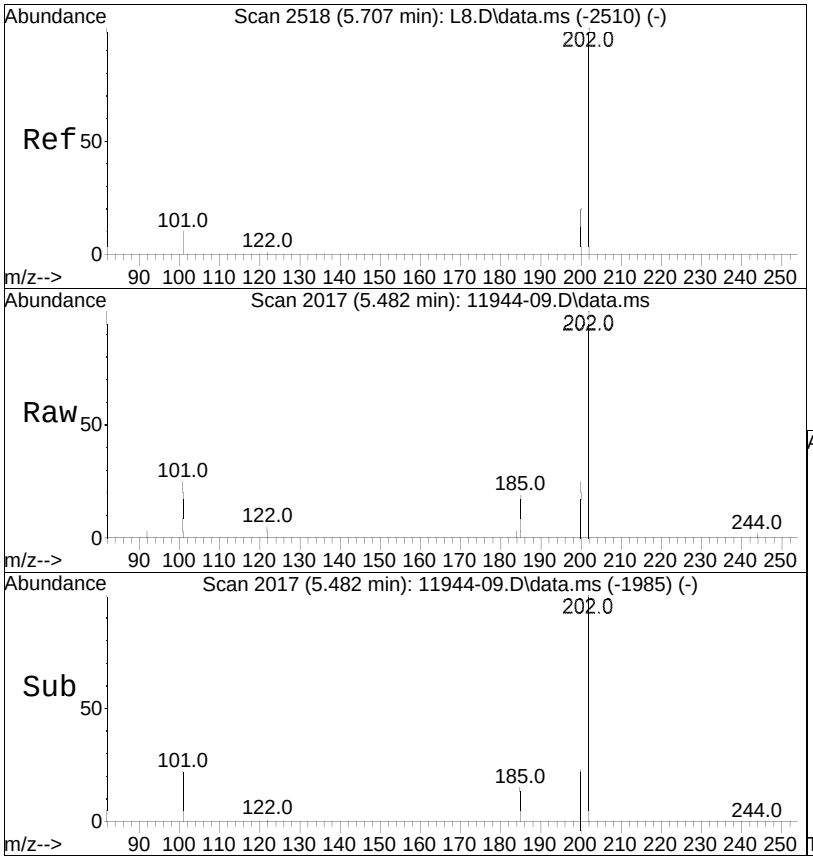


#29
Fluoranthene
Concen: 3.92 ng/ml
RT: 5.353 min Scan# 1968
Delta R.T. 0.005 min
Lab File: 11944-09.D
Acq: 10 Mar 2025 03:50 pm

Tgt Ion:202 Resp: 1565

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2

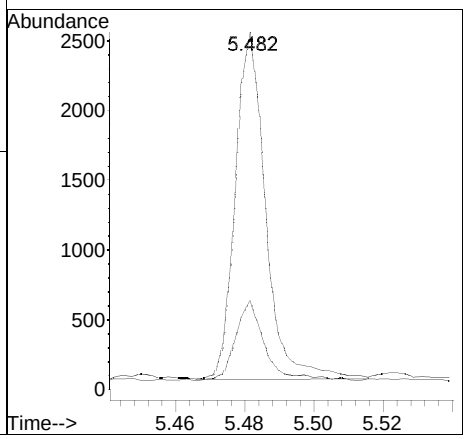




#30
Pyrene
Concen: 3.65 ng/ml
RT: 5.482 min Scan# 2017
Delta R.T. 0.003 min
Lab File: 11944-09.D
Acq: 10 Mar 2025 03:50 pm

Tgt Ion:202 Resp: 1505

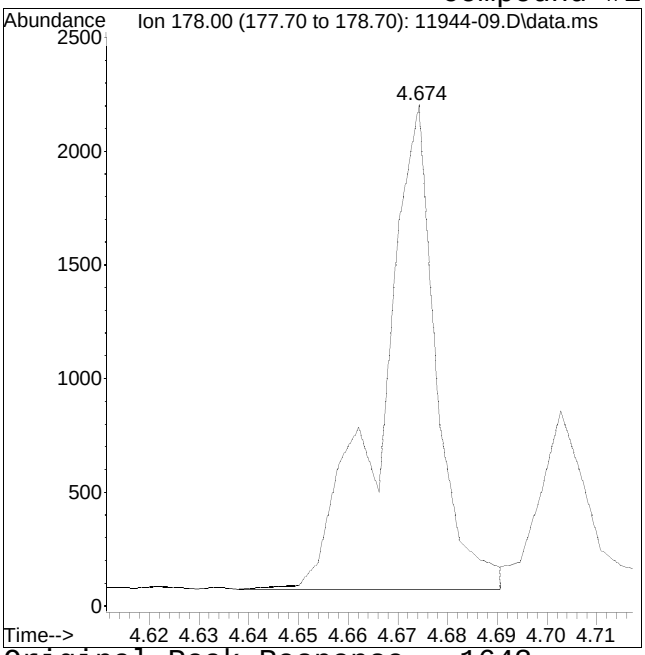
Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.9	25.3



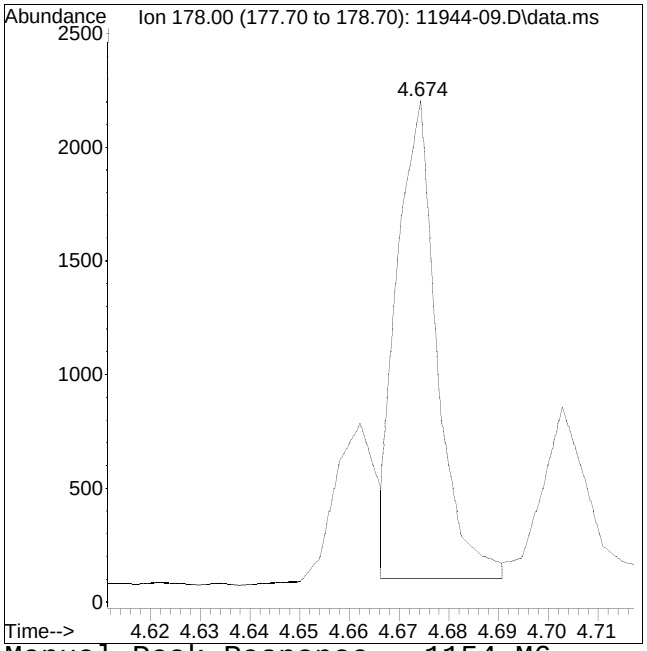
Manual Integration Report

Data Path : I:\8270SIM\sv119\250310RVTQ
Data File : 11944-09.D
Date Inj'd : 3/10/2025 3:50 pm
Sample : L2511944-09,32,,RE,jjw
Method : SIM-RVT_241229_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 3/10/2025 4:04 pm

Compound #27: Phenanthrene



Original Peak Response = 1643



Manual Peak Response = 1154 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21826**
Calibration dates	**: 12/29/24 13:37 12/29/24 16:09**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =ccv0205a.D L9 =L
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	s	2-Fluorophenol		1.194	1.049	1.050	1.065	0.971	1.054	1.080	1.098	1.085	1.072	5.45
3)	s	Phenol-d6		1.497	1.292	1.304	1.309	1.168	1.318	1.365	1.398	1.388	1.338	6.77
4)	T	bis(2-Chloroethyl)ether			1.307	1.266	1.553	1.083	1.183	1.165	1.180	1.141	1.235	11.84
5)	T	n-Nitrosodi-n-propylamine		0.837	0.808	0.833	0.812	0.724	0.826	0.837	0.889	0.880	0.827	5.75
6)	t	Hexachloroethane		0.655	0.513	0.522	0.518	0.458	0.500	0.499	0.506	0.495	0.518	10.54
7)	s	Nitrobenzene-d5		1.380	1.332	1.291	1.325	1.150	1.295	1.287	1.325	1.289	1.297	4.83
8)	i	Naphthalene-d8	----------ISTD----------											
9)	t	Naphthalene	1.204	1.406	1.128	1.129	1.123	0.990	1.072	1.048	1.051	1.005	1.116	10.81
10)	t	Hexachlorobutadiene		0.230	0.206	0.202	0.201	0.178	0.192	0.187	0.189	0.183	0.196	7.94
11)	t	2-Methylnaphthalene	0.833	0.914	0.778	0.783	0.800	0.703	0.761	0.749	0.753	0.721	0.780	7.71
12)	t	1-Methylnaphthalene	0.767	0.829	0.720	0.727	0.739	0.652	0.707	0.691	0.689	0.659	0.718	7.32
13)	s	2-Fluorobiphenyl		1.155	0.985	0.990	1.010	0.877	0.949	0.922	0.914		0.975	8.73
14)	t	2-Chloronaphthalene		0.942	0.813	0.825	0.837	0.739	0.792	0.774	0.778	0.748	0.805	7.56
15)	t	2,6-Dinitrotoluene					0.191	0.171	0.200	0.204	0.215	0.210	0.198	7.92
16)	t	Acenaphthylene	1.300	1.472	1.249	1.250	1.283	1.127	1.221	1.209	1.212	1.147	1.247	7.67
17)	i	Acenaphthene-d10	----------ISTD----------											
18)	t	Acenaphthene	1.410	1.530	1.355	1.333	1.362	1.213	1.307	1.288	1.299	1.244	1.334	6.72
19)	t	2,4-Dinitrotoluene					0.369	0.351	0.432	0.447	0.479	0.469	0.424	12.45
20)	t	Fluorene	1.590	1.759	1.495	1.502	1.566	1.395	1.529	1.516	1.527	1.448	1.533	6.31
21)	s	2,4,6-Tribromophenol		0.198	0.156	0.146	0.157	0.151	0.180	0.186	0.200	0.197	0.175	12.68
22)	i	Phenanthrene-d10	----------ISTD----------											
23)	T	4,6-Dinitro-o-cresol					0.083	0.079	0.111	0.122	0.135	0.137	*L	0.9975
24)	t	Hexachlorobenzene		0.289	0.238	0.240	0.239	0.212	0.227	0.219	0.222		0.236	10.08
25)	t	Pentachlorophenol				0.234	0.138	0.101	0.094	0.116	0.140	0.144	*Q	0.9961
26)	t	Phenanthrene	1.294	1.376	1.172	1.163	1.200	1.069	1.143	1.111	1.116	1.050	1.170	8.58
27)	t	Anthracene	1.275	1.363	1.165	1.157	1.187	1.066	1.158	1.129	1.143	1.082	1.173	7.51
28)	t	Fluoranthene	1.590	1.707	1.447	1.422	1.488	1.319	1.431	1.393	1.372		1.463	8.13
29)	t	Pyrene	1.620	1.738	1.506	1.482	1.544	1.370	1.491	1.436	1.406		1.510	7.49
30)	s	4-Terphenyl-d14			1.036	1.008	1.068	0.945	1.001	0.958	0.931		0.992	5.06
31)	i	Chrysene-d12	----------ISTD----------											
32)	t	Benzo[a]anthracene	1.237	0.709	0.355	0.247	0.168	0.137	0.145	0.141	0.145	0.139	*L	0.9995
33)	t	3,3'-Dichlorobenzidine					0.337	0.313	0.410	0.451	0.523	0.526	*L	0.9962
34)	t	Chrysene	1.465	1.591	1.379	1.371	1.369	1.249	1.376	1.320	1.353	1.300	1.377	6.83
35)	T	bis(2-Ethylhexyl)phthalate					0.614	0.557	0.715	0.739	0.828	0.834	0.714	15.65
36)	i	Perylene-d12	----------ISTD----------											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21826**
Calibration dates	**: 12/29/24 13:37 12/29/24 16:09**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =ccv0205a.D L9 =L
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.378	1.493	1.304	1.278	1.294	1.169	1.356	1.333	1.331	1.320	1.326	6.17
38) t	Benzo[k]fluoranthene	1.407	1.441	1.210	1.216	1.311	1.209	1.358	1.298	1.361	1.261	1.307	6.40
39) t	Benzo[a]pyrene	1.147	1.221	1.050	1.049	1.083	0.999	1.169	1.154	1.202	1.175	1.125	6.63
40) t	Indeno[1,2,3-cd]pyrene	1.094	1.170	1.014	1.008	1.020	0.953	1.135	1.138	1.177	1.182	1.089	7.67
41) t	Dibenzo[a,h]anthracene	0.964	1.027	0.910	0.921	0.957	0.929	1.106	1.087	1.111	1.092	1.010	8.18
42) t	Benzo[g,h,i]perylene	1.076	1.108	0.966	0.976	0.982	0.929	1.078	1.071	1.097	1.083	1.036	6.31

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21963**
Calibration dates	**: 02/03/25 15:47 02/03/25 18:20**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.239	1.204	1.243	1.241	1.289	1.259	1.229	1.173	1.131	1.223		3.88
3)	s	Phenol-d6	1.538	1.428	1.427	1.436	1.495	1.503	1.482	1.446	1.435	1.466		2.72
4)	T	bis(2-Chloroethyl)ether	1.452	1.310	1.318	1.349	1.310	1.269	1.206	1.195	1.301			6.29
5)	T	n-Nitrosodi-n-propylamine	0.803	0.785	0.765	0.784	0.828	0.882	0.885	0.888	0.892	0.835		6.26
6)	t	Hexachloroethane	0.559	0.549	0.537	0.556	0.556	0.546	0.528	0.523	0.544			2.49
7)	s	Nitrobenzene-d5	1.228	1.170	1.104	1.095	1.173	1.220	1.272	1.256	1.232	1.217	1.197	5.04
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.330	1.169	1.168	1.134	1.162	1.130	1.100	1.042	0.996	1.137		8.24
10)	t	Hexachlorobutadiene	0.210	0.207	0.213	0.208	0.204	0.193	0.190	0.204				4.20
11)	t	2-Methylnaphthalene	0.787	0.701	0.704	0.710	0.730	0.723	0.703	0.665	0.643	0.707		5.74
12)	t	1-Methylnaphthalene	0.789	0.712	0.718	0.728	0.748	0.737	0.711	0.675	0.652	0.719		5.54
13)	s	2-Fluorobiphenyl	0.940	0.997	0.878	0.887	0.891	0.906	0.879	0.841	0.788	0.751	0.876	8.03
14)	t	2-Chloronaphthalene	0.807	0.766	0.757	0.780	0.799	0.787	0.762	0.726	0.703	0.765		4.39
15)	t	2,6-Dinitrotoluene	0.137	0.148	0.178	0.184	0.189	0.186	0.170					12.95
16)	t	Acenaphthylene	1.189	1.093	1.083	1.145	1.212	1.269	1.236	1.188	1.115	1.170		5.54
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.578	1.459	1.432	1.440	1.464	1.429	1.400	1.324	1.289	1.424		5.86
19)	t	2,4-Dinitrotoluene	0.305	0.349	0.437	0.456	0.465	0.456	0.411					16.37
20)	t	Fluorene	1.628	1.690	1.541	1.511	1.554	1.609	1.622	1.576	1.494	1.431	1.566	4.82
21)	s	2,4,6-Tribromophenol	0.145	0.144	0.156	0.181	0.212	0.214	0.214	0.214	0.185			17.53
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol	0.052	0.072	0.107	0.117	0.128	0.135					*L	0.9973
24)	t	Hexachlorobenzene	0.290	0.264	0.262	0.268	0.279	0.270	0.262	0.246	0.243	0.265		5.57
25)	t	Pentachlorophenol	0.059	0.063	0.088	0.130	0.141	0.152					*Q	0.9979
26)	t	Phenanthrene	1.301	1.264	1.238	1.198	1.247	1.255	1.227	1.190	1.126	1.066	1.211	5.77
27)	t	Anthracene	1.273	1.263	1.156	1.156	1.189	1.236	1.258	1.223	1.160	1.107	1.202	4.68
28)	t	Fluoranthene	1.511	1.425	1.362	1.286	1.392	1.419	1.448	1.388	1.331	1.231	1.379	5.88
29)	t	Pyrene	1.550	1.470	1.410	1.321	1.447	1.470	1.517	1.456	1.370	1.262	1.427	6.19
30)	s	4-Terphenyl-d14	1.052	0.994	0.932	0.865	0.947	0.960	0.967	0.913	0.868	0.794	0.929	7.91
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	0.534	0.436	0.390	0.392	0.411	0.408	0.403	0.407	0.423			11.16
33)	t	3,3'-Dichlorobenzidine	0.419	0.456	0.550	0.578	0.600	0.604	0.534					14.68
34)	t	Chrysene	1.390	1.357	1.364	1.358	1.421	1.446	1.429	1.385	1.338	1.314	1.380	3.05
35)	T	bis(2-Ethylhexyl)phthalate	0.556	0.603	0.795	0.883	0.958	0.999					*L	0.9974
36)	i	Perylene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Roux Env. Eng. & Geology, DPC**	**Lab Number**	**: L2511944**
Project Name	**: CORAM MATERIALS**	**Project Number**	**: 2232.0006Y005**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21963**
Calibration dates	**: 02/03/25 15:47 02/03/25 18:20**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.338	1.316	1.277	1.249	1.270	1.349	1.381	1.342	1.317	1.321	1.316	3.06
38) t	Benzo[k]fluoranthene	1.173	1.259	1.124	1.188	1.219	1.299	1.367	1.346	1.282	1.266	1.252	6.13
39) t	Benzo[a]pyrene	1.037	1.021	0.982	1.006	1.029	1.103	1.191	1.200	1.187	1.195	1.095	8.21
40) t	Indeno[1,2,3-cd]pyrene		0.884	0.863	0.888	0.902	0.951	1.005	1.060	1.074	1.111	0.971	9.69
41) t	Dibenzo[a,h]anthracene	0.886	0.835	0.786	0.834	0.875	0.960	1.026	1.058	1.046	1.066	0.937	11.36
42) t	Benzo[g,h,i]perylene		0.942	0.922	0.936	0.985	1.052	1.079	1.110	1.092	1.115	1.026	7.75

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250205aRVT\
Method File : SIM-RVT_241229_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Feb 05 07:16:40 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =ccv0205a.D L9 =L
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol		1.194	1.049	1.050	1.065	0.971	1.054	1.080	1.098	1.085	1.072	5.45
3)	s	Phenol-d6		1.497	1.292	1.304	1.309	1.168	1.318	1.365	1.398	1.388	1.338	6.77
4)	T	bis(2-Chloroethyl)ether			1.307	1.266	1.553	1.083	1.183	1.165	1.180	1.141	1.235	11.84
5)	T	n-Nitrosodi-n-propylamine		0.837	0.808	0.833	0.812	0.724	0.826	0.837	0.889	0.880	0.827	5.75
6)	t	Hexachloroethane		0.655	0.513	0.522	0.518	0.458	0.500	0.499	0.506	0.495	0.518	10.54
7)	s	Nitrobenzene-d5		1.380	1.332	1.291	1.325	1.150	1.295	1.287	1.325	1.289	1.297	4.83
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.204	1.406	1.128	1.129	1.123	0.990	1.072	1.048	1.051	1.005	1.116	10.81
10)	t	Hexachlorobutadiene		0.230	0.206	0.202	0.201	0.178	0.192	0.187	0.189	0.183	0.196	7.94
11)	t	2-Methylnaphthalene	0.833	0.914	0.778	0.783	0.800	0.703	0.761	0.749	0.753	0.721	0.780	7.71
12)	t	1-Methylnaphthalene	0.767	0.829	0.720	0.727	0.739	0.652	0.707	0.691	0.689	0.659	0.718	7.32
13)	s	2-Fluorobiphenyl		1.155	0.985	0.990	1.010	0.877	0.949	0.922	0.914		0.975	8.73
14)	t	2-Chloronaphthalene		0.942	0.813	0.825	0.837	0.739	0.792	0.774	0.778	0.748	0.805	7.56
15)	t	2,6-Dinitrotoluene					0.191	0.171	0.200	0.204	0.215	0.210	0.198	7.92
16)	t	Acenaphthylene	1.300	1.472	1.249	1.250	1.283	1.127	1.221	1.209	1.212	1.147	1.247	7.67
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.410	1.530	1.355	1.333	1.362	1.213	1.307	1.288	1.299	1.244	1.334	6.72
19)	t	2,4-Dinitrotoluene					0.369	0.351	0.432	0.447	0.479	0.469	0.424	12.45
20)	t	Fluorene	1.590	1.759	1.495	1.502	1.566	1.395	1.529	1.516	1.527	1.448	1.533	6.31
21)	s	2,4,6-Tribromophenol		0.198	0.156	0.146	0.157	0.151	0.180	0.186	0.200	0.197	0.175	12.68
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.083	0.079	0.111	0.122	0.135	0.137	*L	0.9975
24)	t	Hexachlorobenzene		0.289	0.238	0.240	0.239	0.212	0.227	0.219	0.222		0.236	10.08
25)	t	Pentachlorophenol				0.234	0.138	0.101	0.094	0.116	0.140	0.144	*Q	0.9961
26)	t	Phenanthrene	1.294	1.376	1.172	1.163	1.200	1.069	1.143	1.111	1.116	1.050	1.170	8.58
27)	t	Anthracene	1.275	1.363	1.165	1.157	1.187	1.066	1.158	1.129	1.143	1.082	1.173	7.51
28)	t	Fluoranthene	1.590	1.707	1.447	1.422	1.488	1.319	1.431	1.393	1.372		1.463	8.13
29)	t	Pyrene	1.620	1.738	1.506	1.482	1.544	1.370	1.491	1.436	1.406		1.510	7.49
30)	s	4-Terphenyl-d14			1.036	1.008	1.068	0.945	1.001	0.958	0.931		0.992	5.06
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	1.237	0.709	0.355	0.247	0.168	0.137	0.145	0.141	0.145	0.139	*L	0.9995
33)	t	3,3'-Dichlorobenzidine					0.337	0.313	0.410	0.451	0.523	0.526	*L	0.9962
34)	t	Chrysene	1.465	1.591	1.379	1.371	1.369	1.249	1.376	1.320	1.353	1.300	1.377	6.83
35)	T	bis(2-Ethylhexyl)phthalate					0.614	0.557	0.715	0.739	0.828	0.834	0.714	15.65
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.378	1.493	1.304	1.278	1.294	1.169	1.356	1.333	1.331	1.320	1.326	6.17
38)	t	Benzo[k]fluora...	1.407	1.441	1.210	1.216	1.311	1.209	1.358	1.298	1.361	1.261	1.307	6.40
39)	t	Benzo[a]pyrene	1.147	1.221	1.050	1.049	1.083	0.999	1.169	1.154	1.202	1.175	1.125	6.63
40)	t	Indeno[1,2,3-c...	1.094	1.170	1.014	1.008	1.020	0.953	1.135	1.138	1.177	1.182	1.089	7.67
41)	t	Dibenzo[a,h]anthracene	0.964	1.027	0.910	0.921	0.957	0.929	1.106	1.087	1.111	1.092	1.010	8.18
42)	t	Benzo[g,h,i]pe...	1.076	1.108	0.966	0.976	0.982	0.929	1.078	1.071	1.097	1.083	1.036	6.31

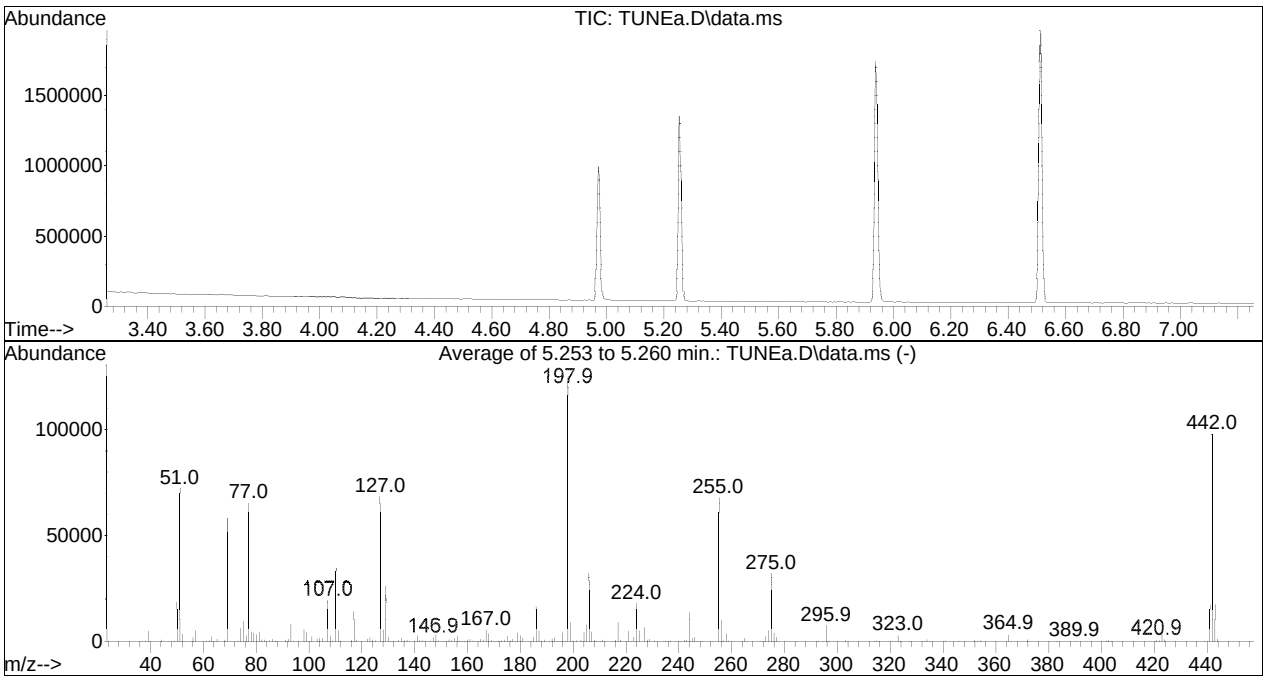
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : TUNEa.D
Acq On : 29 Dec 2024 01:20 pm
Operator : sv119:jjw
Sample : TUNE
Misc : WG2015284,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 30 14:10:06 2024



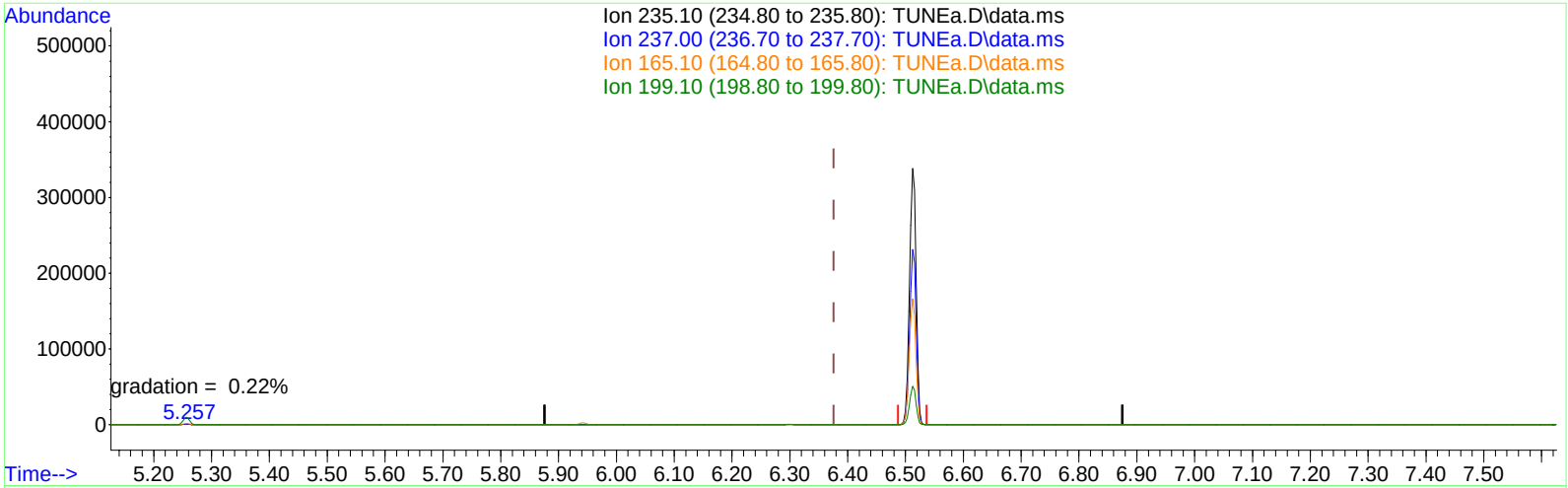
Spectrum Information: Average of 5.253 to 5.260 min.

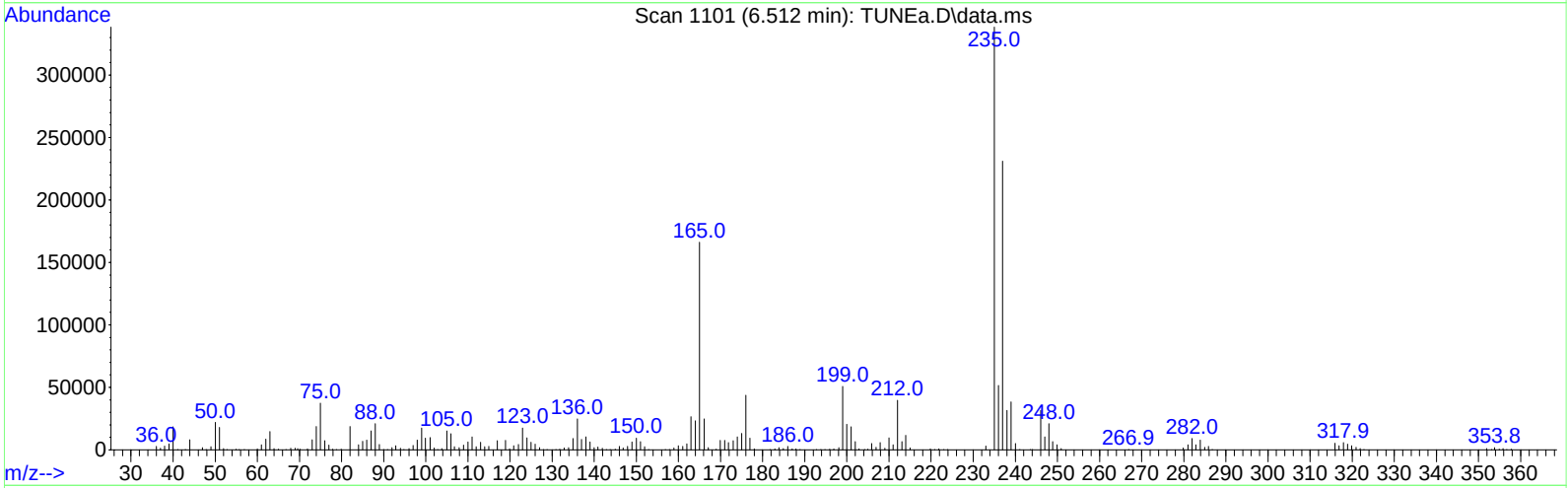
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	58.0	72220	PASS
68	69	0.00	2	1.8	1027	PASS
69	69	100	100	100.0	58144	PASS
70	69	0.00	2	0.4	254	PASS
127	198	10	80	54.8	68219	PASS
197	198	0.00	2	0.4	477	PASS
198	198	100	100	100.0	124584	PASS
199	198	5	9	7.0	8733	PASS
275	198	10	60	25.6	31883	PASS
365	198	1	100	2.6	3257	PASS
441	442	0.01	24	17.1	16738	PASS
442	198	50	100	78.7	98011	PASS
443	442	15	24	17.4	17081	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : TUNEa.D
Acq On : 29 Dec 2024 01:20 pm
Operator : sv119:jjw
Sample : TUNE
Misc : WG2015284,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 29 13:32:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 27 15:06:27 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

6.512min (+ 0.136) 43.92

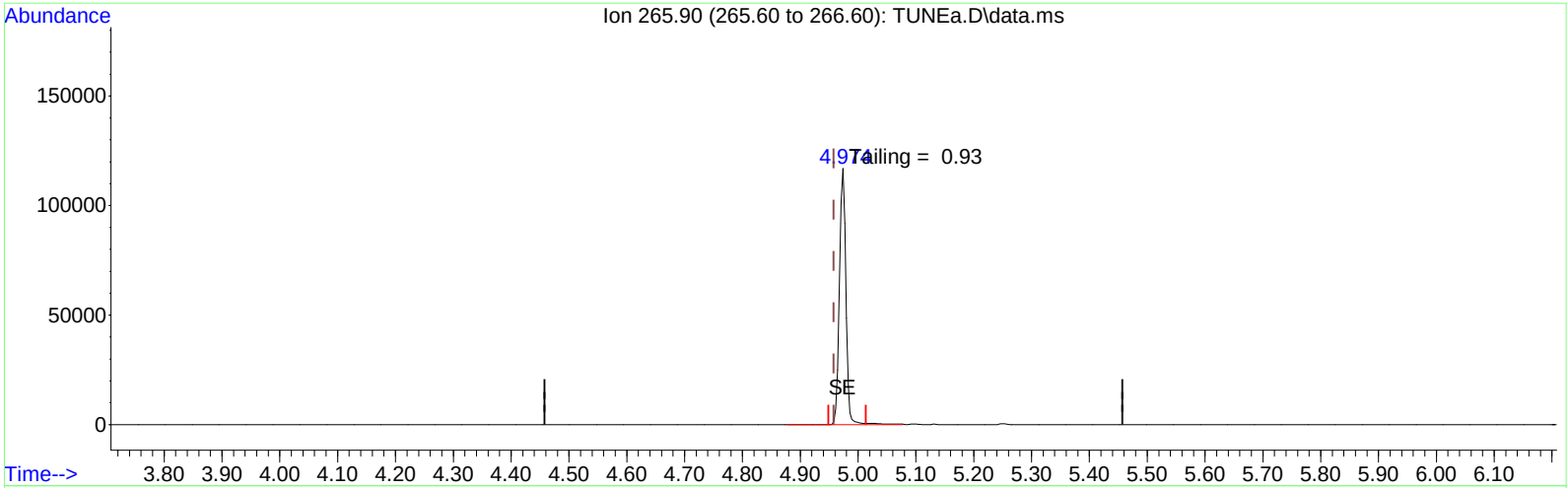
response 267725

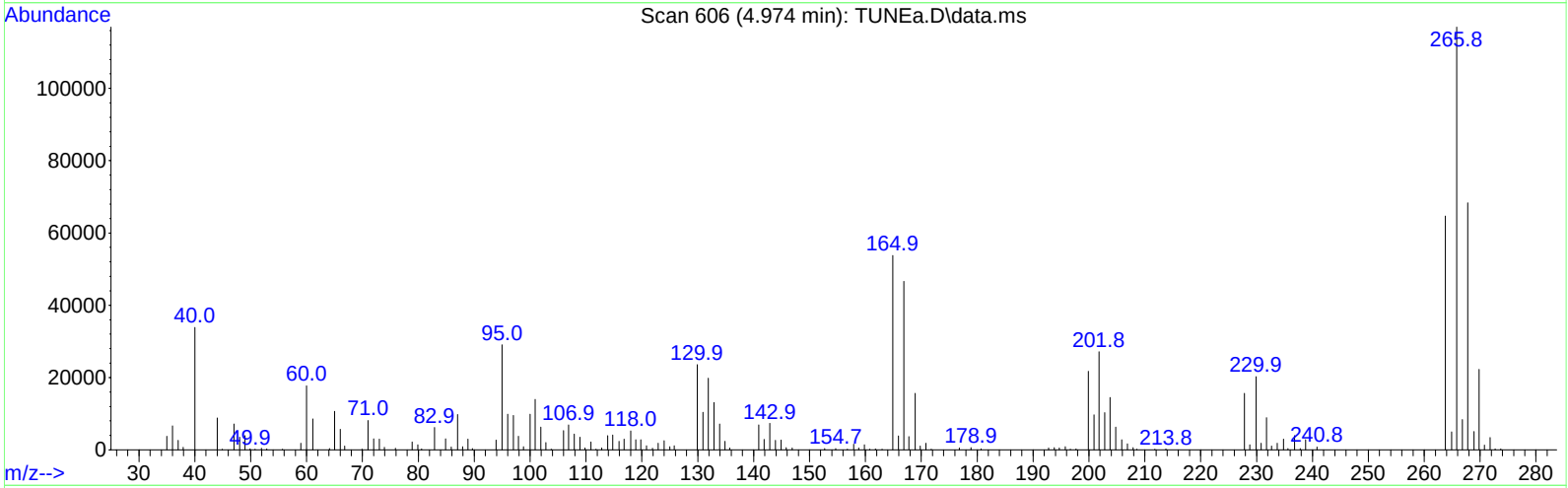
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	67.99
165.10	53.30	49.37
199.10	17.10	14.67

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : TUNEa.D
Acq On : 29 Dec 2024 01:20 pm
Operator : sv119:jjw
Sample : TUNE
Misc : WG2015284,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 29 13:32:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 27 15:06:27 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.974min (+ 0.016) 43.16

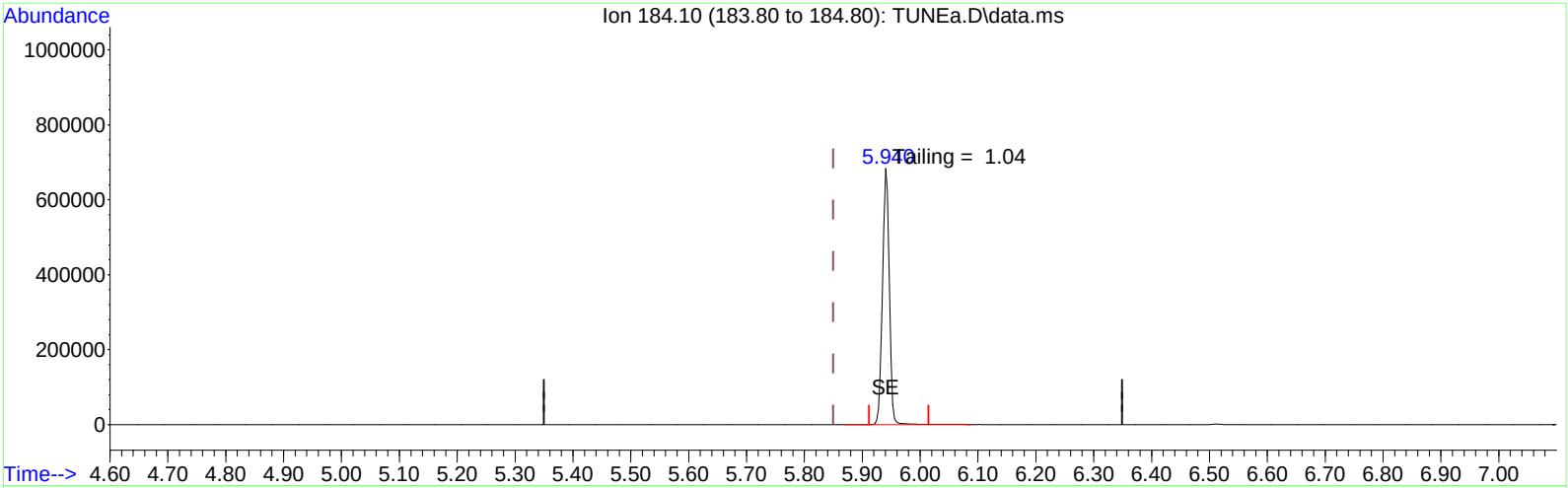
response 90650

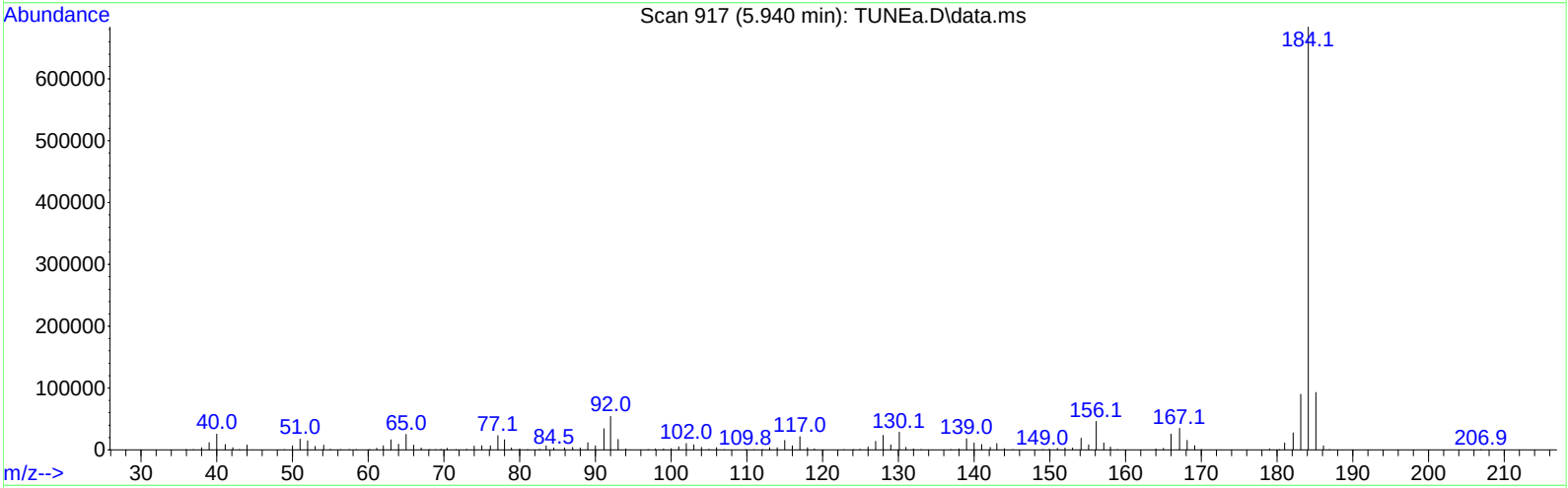
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : TUNEa.D
Acq On : 29 Dec 2024 01:20 pm
Operator : sv119:jjw
Sample : TUNE
Misc : WG2015284,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Dec 29 13:32:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Dec 27 15:06:27 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.940min (+ 0.090) 55.19

response 561817

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L10.D
Acq On : 29 Dec 2024 01:37 pm
Operator : sv119:jjw
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 16:07:10 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.340	152	348275	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 113.97%			
8) Naphthalene-d8	3.003	136	1330364	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 116.04%			
17) Acenaphthene-d10	3.980	164	838143	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 117.25%			
22) Phenanthrene-d10	4.824	188	1768675	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 116.28%			
31) Chrysene-d12	6.464	240	1711433	4000.000	ng/ml	0.02
Standard Area 1 = 1553026			Recovery = 110.20%			
36) Perylene-d12	7.769	264	1750457	4000.000	ng/ml	0.02
Standard Area 1 = 1562574			Recovery = 112.02%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.751	112	472357	5061.900	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 253.09%#			
3) Phenol-d6	2.147	99	604405	5189.373	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 259.47%#			
7) Nitrobenzene-d5	2.621	82	561304	4969.811	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 496.98%#			
13) 2-Fluorobiphenyl	3.597	172	1432759	4416.607	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 441.66%#			
21) 2,4,6-Tribromophenol	4.426	330	206277	5638.961	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 281.95%#			
30) 4-Terphenyl-d14	5.772	244	1940016	4421.517	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 442.15%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.203	93	496607	4619.555	ng/ml#	78
5) n-nitrosodi-n-propylamine	2.540	70	383143	5318.010	ng/ml	100
6) Hexachloroethane	2.600	117	215330	4770.086	ng/ml	94
9) Naphthalene	3.015	128	1671836	4505.835	ng/ml	99
10) Hexachlorobutadiene	3.084	225	304831	4668.432	ng/ml	100
11) 2-Methylnaphthalene	3.393	142	1198947	4624.033	ng/ml	98
12) 1-Methylnaphthalene	3.448	142	1095173	4587.255	ng/ml	98
14) 2-Chloronaphthalene	3.664	162	1244316	4646.626	ng/ml	97
15) 2,6-Dinitrotoluene	3.857	165	349015	5288.657	ng/ml#	91
16) Acenaphthylene	3.898	152	1908137	4601.153	ng/ml	99
18) Acenaphthene	3.998	153	1302852	4660.794	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L10.D
Acq On : 29 Dec 2024 01:37 pm
Operator : sv119:jjw
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 16:07:10 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.086	165	490910	5520.724	ng/ml#	75
20) Fluorene	4.290	166	1517338	4724.560	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.319	198	303012	5103.808	ng/ml	99
24) Hexachlorobenzene	4.607	284	472069	4528.048	ng/ml	91
25) Pentachlorophenol	4.718	266	318419	4932.491	ng/ml	100
26) Phenanthrene	4.838	178	2321862	4489.867	ng/ml	100
27) Anthracene	4.866	178	2392350	4614.136	ng/ml	99
28) Fluoranthene	5.538	202	2844606	4396.700	ng/ml	98
29) Pyrene	5.677	202	2884960	4320.017	ng/ml	99
32) Benzo[a]anthracene	6.455	228	2973633	4935.581	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.440	252	1124922	5116.132	ng/ml	100
34) Chrysene	6.484	228	2781095	4719.620	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.481	149	1783851	5835.435	ng/ml	100
37) Benzo[b]fluoranthene	7.370	252	2888340	4978.758	ng/ml	99
38) Benzo[k]fluoranthene	7.399	252	2759094	4822.834	ng/ml	99
39) Benzo[a]pyrene	7.705	252	2570234	5221.315	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.084	276	2585550	5425.382	ng/ml	94
41) Dibenzo[a,h]anthracene	9.122	278	2388781M6	5403.252	ng/ml	
42) Benzo[g,h,i]perylene	9.456	276	2370451	5226.027	ng/ml	93

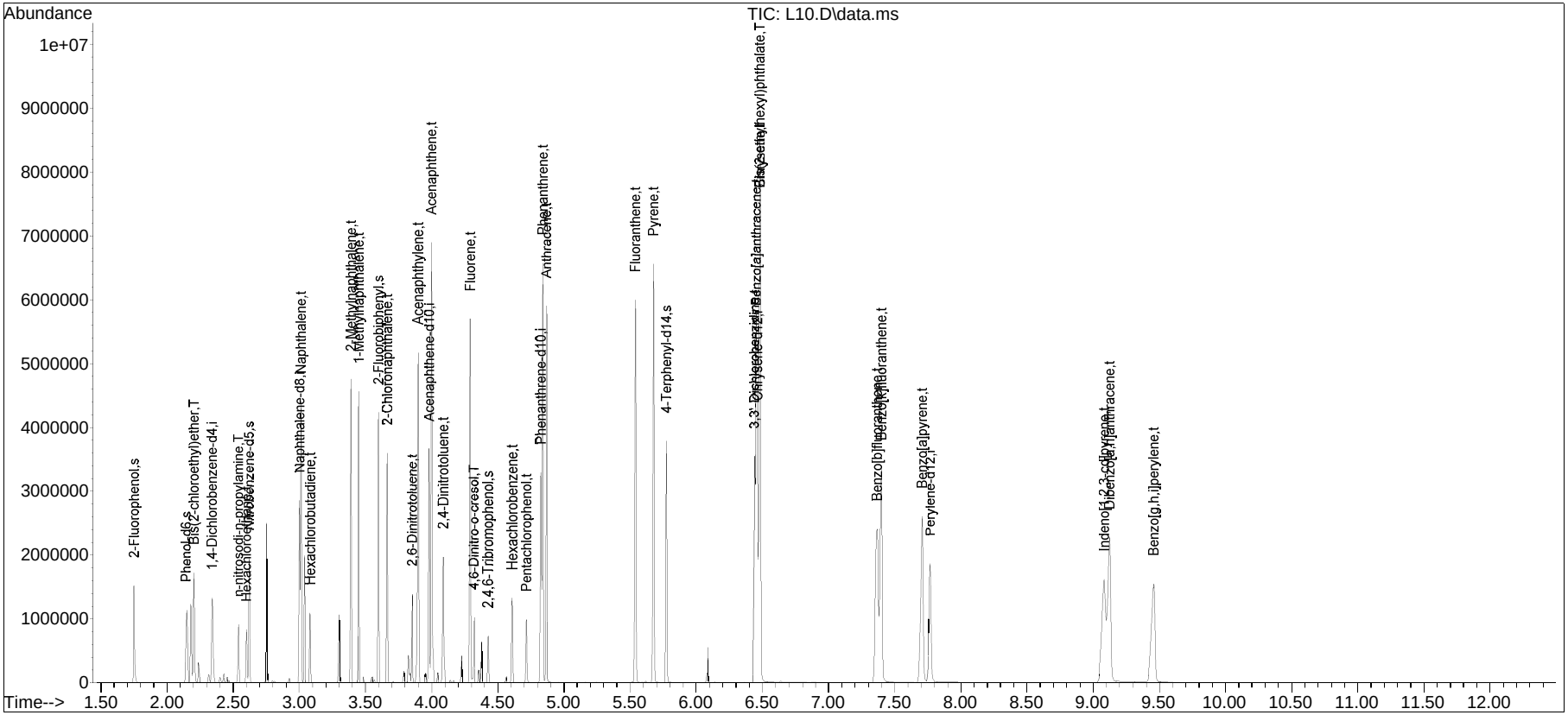
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L10.D
Acq On : 29 Dec 2024 01:37 pm
Operator : sv119:jjw
Sample : IL10,32,, #10885 5000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 31 16:07:10 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:19 2024
Response via : Initial Calibration

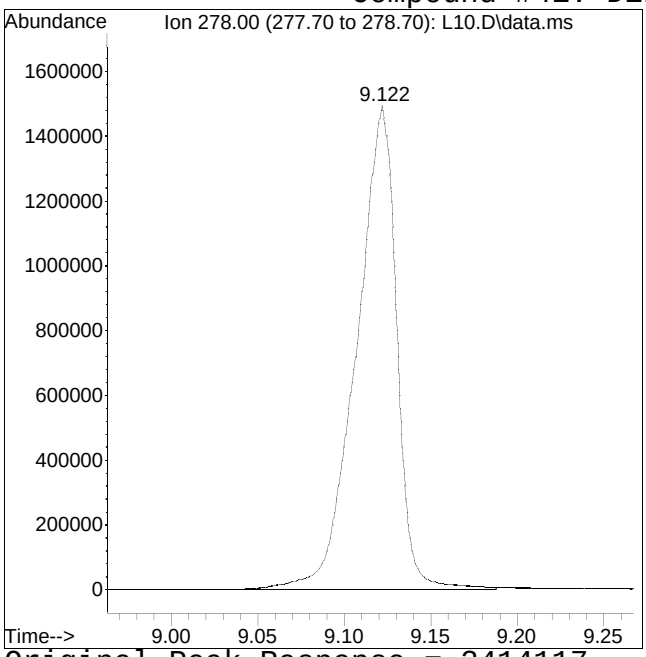
Sub List : Default - All compounds listedical\L8.D•



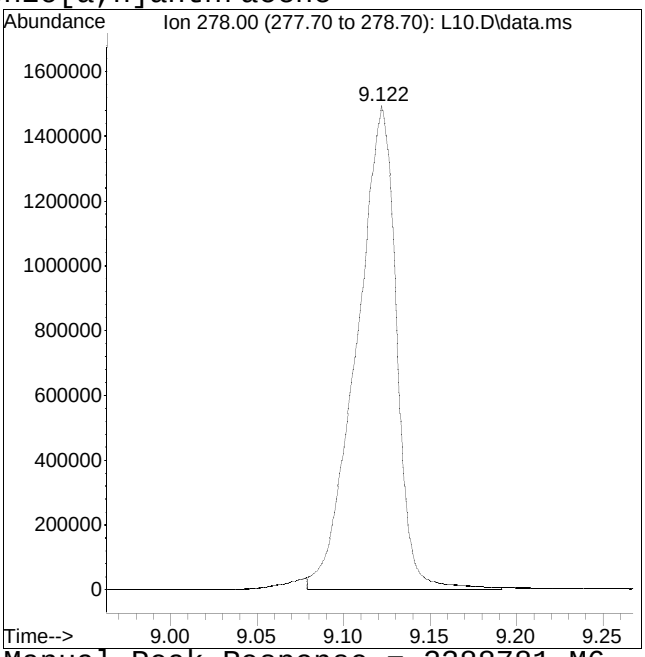
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L10.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 1:37 pm Instrument : SV119
Sample : IL10,32,, #10885 5000 ng/mQuant Date : 12/31/2024 4:08 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2414117



Manual Peak Response = 2388781 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L9.D
Acq On : 29 Dec 2024 01:53 pm
Operator : sv119:jjw
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 16:07:50 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.346	152	346604	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 113.43%			
8) Naphthalene-d8	3.007	136	1324130	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 115.49%			
17) Acenaphthene-d10	3.980	164	828772	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 115.94%			
22) Phenanthrene-d10	4.822	188	1758222	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 115.59%			
31) Chrysene-d12	6.445	240	1717251	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 110.57%			
36) Perylene-d12	7.753	264	1736377	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 111.12%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.755	112	237814	2560.763	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 128.04%#			
3) Phenol-d6	2.150	99	302797	2612.325	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 130.62%#			
7) Nitrobenzene-d5	2.623	82	286990	2553.273	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 255.33%#			
13) 2-Fluorobiphenyl	3.599	172	756619	2343.326	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 234.33%#			
21) 2,4,6-Tribromophenol	4.425	330	103515	2861.769	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 143.09%#			
30) 4-Terphenyl-d14	5.764	244	1022967	2345.319	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 234.53%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.206	93	255714	2390.180	ng/ml#	78
5) n-nitrosodi-n-propylamine	2.542	70	192599	2686.154	ng/ml	100
6) Hexachloroethane	2.604	117	109630	2440.281	ng/ml	93
9) Naphthalene	3.016	128	869651	2354.867	ng/ml	99
10) Hexachlorobutadiene	3.087	225	156282	2404.699	ng/ml	100
11) 2-Methylnaphthalene	3.395	142	623050	2414.258	ng/ml	98
12) 1-Methylnaphthalene	3.450	142	570089	2399.124	ng/ml	98
14) 2-Chloronaphthalene	3.666	162	643857	2415.663	ng/ml	97
15) 2,6-Dinitrotoluene	3.857	165	177710	2705.534	ng/ml#	92
16) Acenaphthylene	3.898	152	1002725	2429.287	ng/ml	99
18) Acenaphthene	3.998	153	672903	2434.447	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L9.D
Acq On : 29 Dec 2024 01:53 pm
Operator : sv119:jjw
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 16:07:50 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.084	165	248081	2821.439	ng/ml#	85
20) Fluorene	4.288	166	791109	2491.142	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.316	198	148490	2529.865	ng/ml	97
24) Hexachlorobenzene	4.607	284	243431	2348.853	ng/ml	90
25) Pentachlorophenol	4.718	266	154275	2689.340	ng/ml	100
26) Phenanthrene	4.836	178	1226441	2385.712	ng/ml	99
27) Anthracene	4.864	178	1256012	2436.878	ng/ml	100
28) Fluoranthene	5.531	202	1507744	2344.265	ng/ml	97
29) Pyrene	5.668	202	1545081	2327.401	ng/ml	100
32) Benzo[a]anthracene	6.436	228	1557204	2572.132	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.421	252	561473	2558.506	ng/ml	99
34) Chrysene	6.465	228	1452499	2456.593	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.463	149	888762	2897.519	ng/ml	99
37) Benzo[b]fluoranthene	7.346	252	1444231	2509.671	ng/ml	100
38) Benzo[k]fluoranthene	7.372	252	1477398	2603.399	ng/ml	97
39) Benzo[a]pyrene	7.681	252	1304908	2672.357	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.055	276	1277350	2702.058	ng/ml	94
41) Dibenzo[a,h]anthracene	9.094	278	1205173M6	2748.120	ng/ml	
42) Benzo[g,h,i]perylene	9.426	276	1190170	2645.191	ng/ml	93

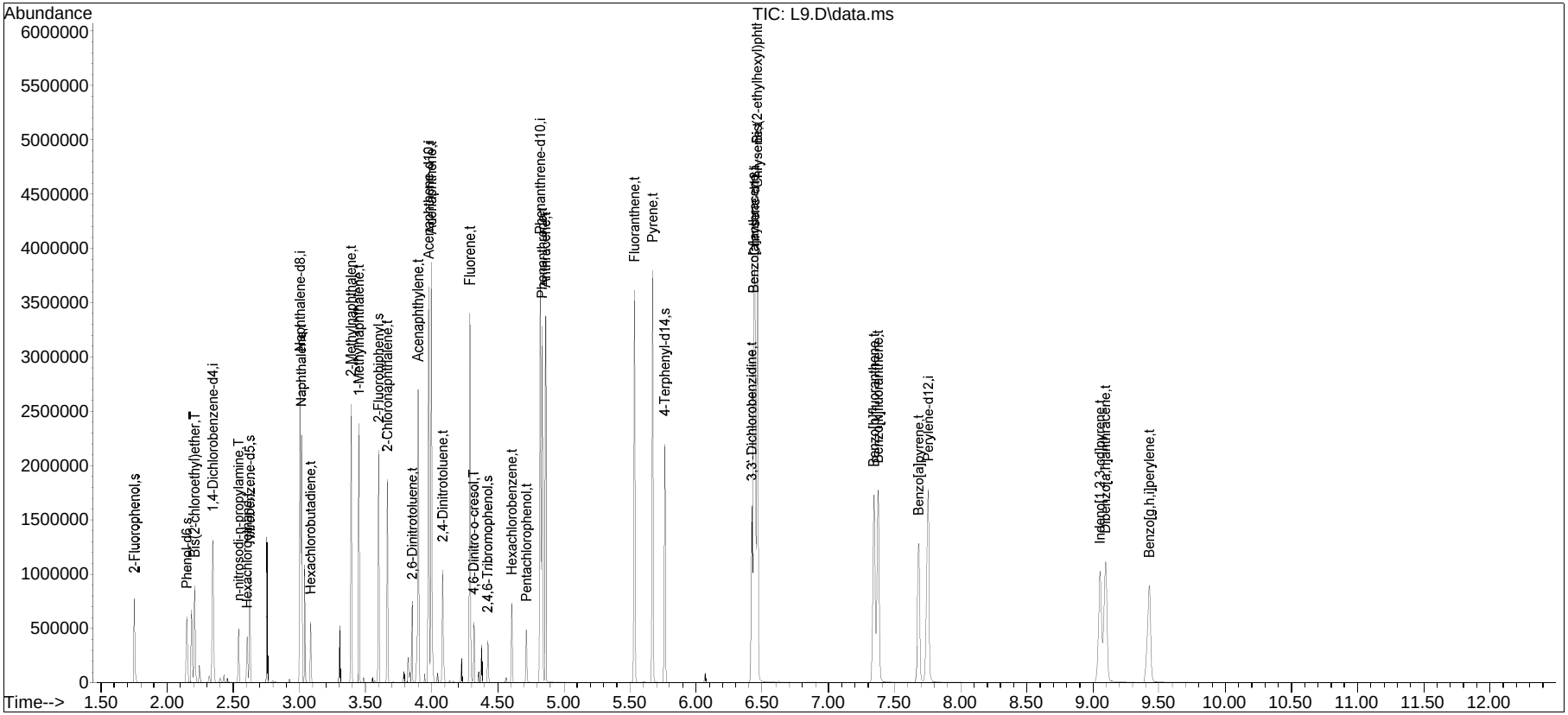
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L9.D
Acq On : 29 Dec 2024 01:53 pm
Operator : sv119:jjw
Sample : IL9,32,, #10901 2500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 31 16:07:50 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:59 2024
Response via : Initial Calibration

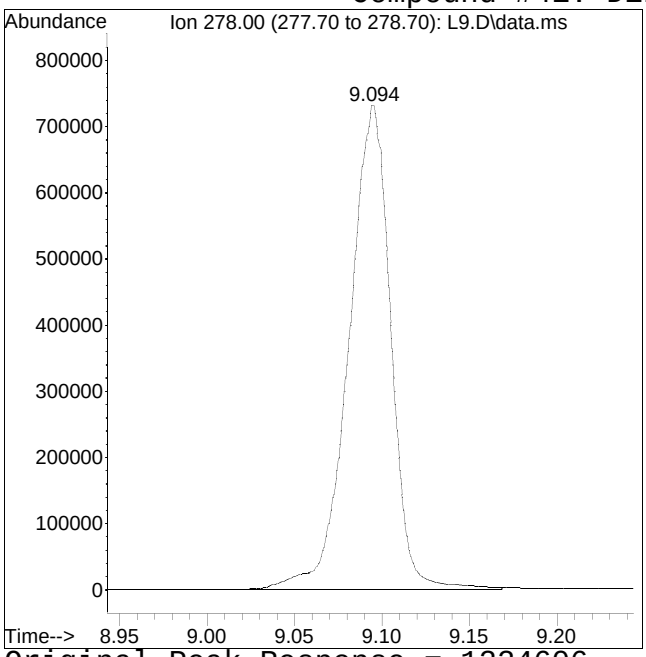
Sub List : Default - All compounds listedical\L8.D•



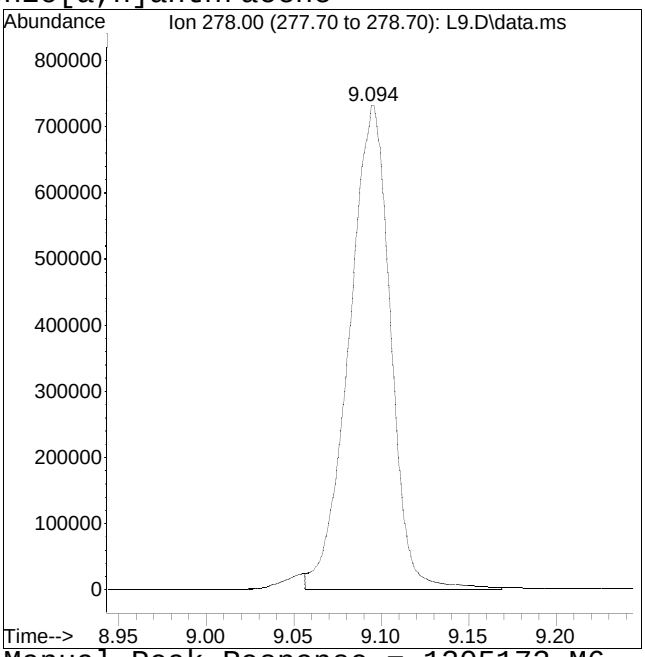
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L9.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 1:53 pm Instrument : SV119
Sample : IL9,32,, #10901 2500 ng/mlQuant Date : 12/31/2024 4:08 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1224606



Manual Peak Response = 1205173 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L8.D
Acq On : 29 Dec 2024 02:10 pm
Operator : sv119:jjw
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 16:07:45 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:54 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.348	152	305578	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 100.00%			
8) Naphthalene-d8	3.007	136	1146492	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 100.00%			
17) Acenaphthene-d10	3.981	164	714823	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 100.00%			
22) Phenanthrene-d10	4.823	188	1521053	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 100.00%			
31) Chrysene-d12	6.442	240	1553026	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 100.00%			
36) Perylene-d12	7.747	264	1562574	4000.000	ng/ml	-0.02
Standard Area 1 = 1562574			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.754	112	82538	1008.085	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.40%			
3) Phenol-d6	2.149	99	104272	1020.363	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.02%			
7) Nitrobenzene-d5	2.624	82	98311	992.074	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.21%			
13) 2-Fluorobiphenyl	3.598	172	264373	945.654	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.57%			
21) 2,4,6-Tribromophenol	4.425	330	33279	1066.690	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.33%			
30) 4-Terphenyl-d14	5.762	244	364120	964.971	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.50%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.208	93	89000	943.577	ng/ml#	77
5) n-nitrosodi-n-propylamine	2.541	70	63954	1011.710	ng/ml	100
6) Hexachloroethane	2.605	117	38084	961.533	ng/ml	94
9) Naphthalene	3.018	128	300505	939.794	ng/ml	99
10) Hexachlorobutadiene	3.089	225	53732	954.870	ng/ml	100
11) 2-Methylnaphthalene	3.395	142	214708	960.879	ng/ml	98
12) 1-Methylnaphthalene	3.451	142	197962	962.169	ng/ml	98
14) 2-Chloronaphthalene	3.667	162	221813	961.155	ng/ml	98
15) 2,6-Dinitrotoluene	3.856	165	58451	1027.762	ng/ml#	91
16) Acenaphthylene	3.899	152	346408	969.269	ng/ml	100
18) Acenaphthene	3.997	153	230112	965.214	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L8.D
Acq On : 29 Dec 2024 02:10 pm
Operator : sv119:jjw
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 16:07:45 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:54 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.083	165	79884	1053.352	ng/ml#	84
20) Fluorene	4.289	166	270902	989.033	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.315	198	46279	928.938	ng/ml	98
24) Hexachlorobenzene	4.608	284	83312	929.216	ng/ml	90
25) Pentachlorophenol	4.716	266	44173	975.015	ng/ml	100
26) Phenanthrene	4.837	178	422591	950.213	ng/ml	99
27) Anthracene	4.864	178	429413	963.041	ng/ml	99
28) Fluoranthene	5.530	202	529706	952.014	ng/ml	97
29) Pyrene	5.667	202	546047	950.778	ng/ml	100
32) Benzo[a]anthracene	6.434	228	546693	993.722	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.417	252	175197	900.458	ng/ml	99
34) Chrysene	6.462	228	512439	958.329	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.463	149	286862	1034.115	ng/ml	99
37) Benzo[b]fluoranthene	7.343	252	520748	1005.567	ng/ml	98
38) Benzo[k]fluoranthene	7.372	252	507018	992.819	ng/ml	98
39) Benzo[a]pyrene	7.676	252	450660	1025.574	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.052	276	444586	1045.067	ng/ml	93
41) Dibenzo[a,h]anthracene	9.089	278	424467M4	1075.558	ng/ml	
42) Benzo[g,h,i]perylene	9.414	276	415191	1025.415	ng/ml	93

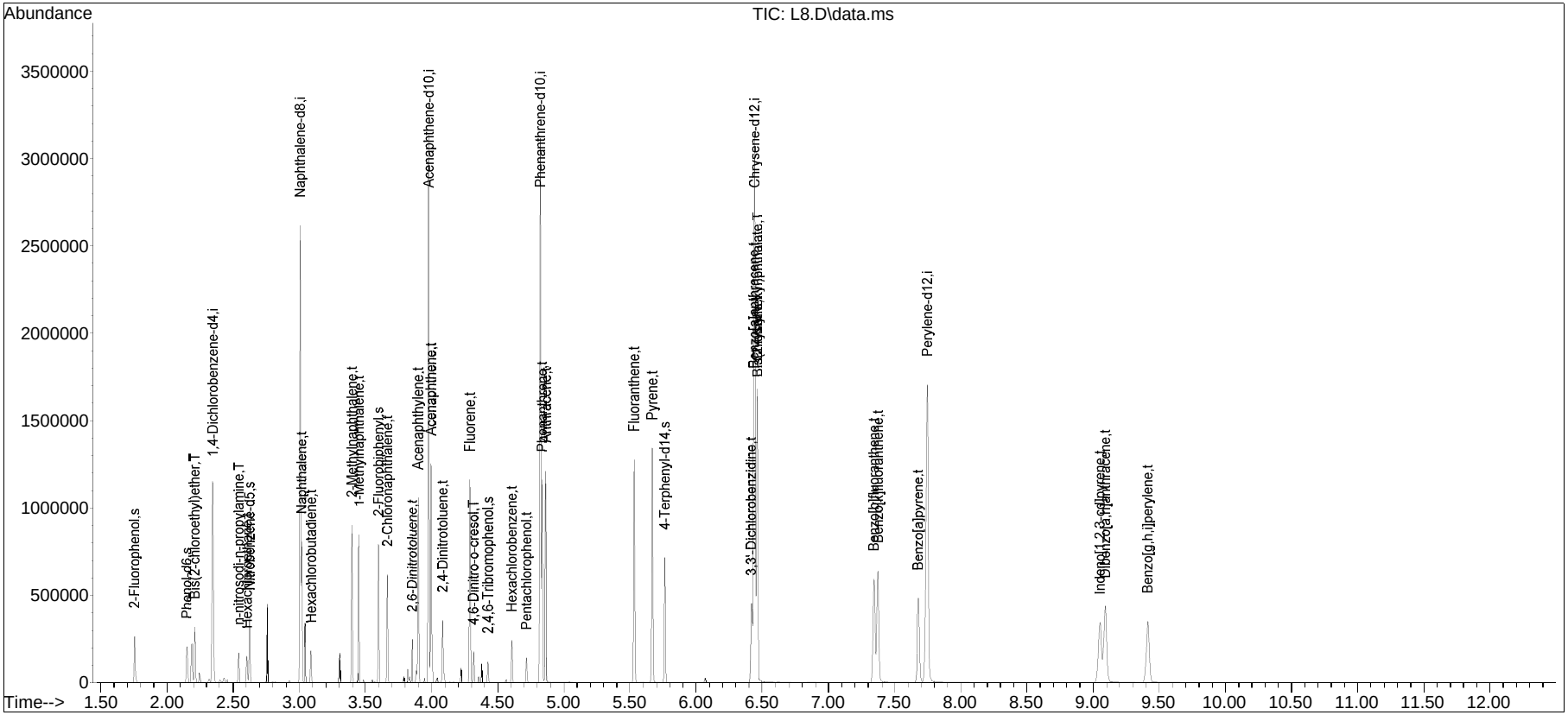
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L8.D
Acq On : 29 Dec 2024 02:10 pm
Operator : sv119:jjw
Sample : IL8,32,, #10888 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 16:07:45 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:54 2024
Response via : Initial Calibration

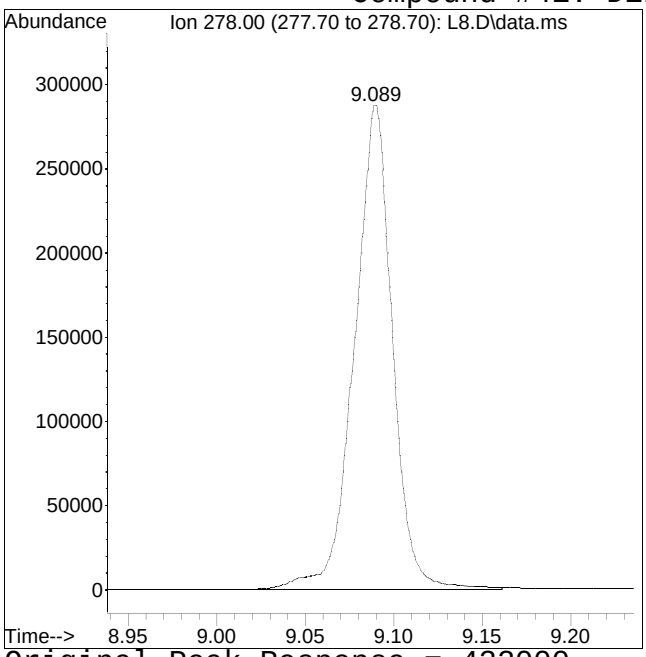
Sub List : Default - All compounds listedical\L8.D•



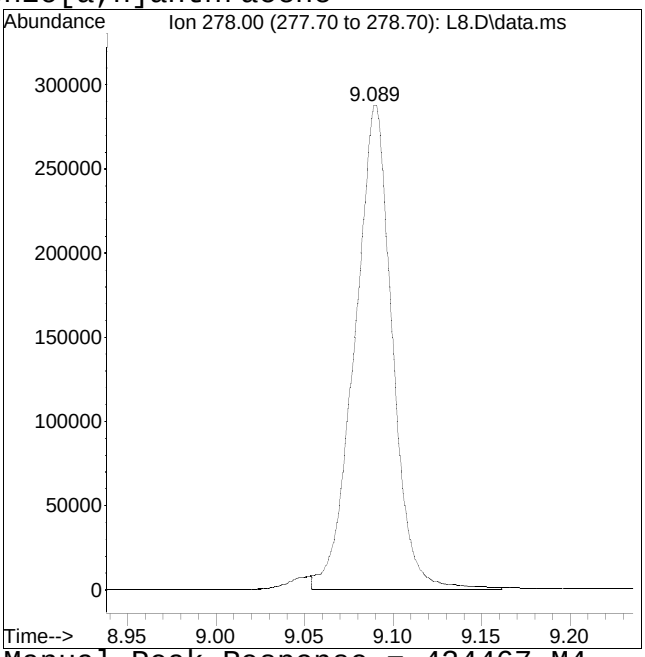
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L8.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 2:10 pm Instrument : SV119
Sample : IL8,32,, #10888 1000 ng/mlQuant Date : 12/31/2024 4:08 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 432000



Manual Peak Response = 424467 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L7.D
Acq On : 29 Dec 2024 02:27 pm
Operator : sv119:jjw
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 31 16:07:40 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.347	152	277700	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 90.88%			
8) Naphthalene-d8	3.009	136	1031350	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 89.96%			
17) Acenaphthene-d10	3.981	164	642605	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 89.90%			
22) Phenanthrene-d10	4.823	188	1358701	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 89.33%			
31) Chrysene-d12	6.441	240	1404741	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 90.45%			
36) Perylene-d12	7.745	264	1401329	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 89.68%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.751	112	36580	491.624	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.58%			
3) Phenol-d6	2.149	99	45744	492.569	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.63%			
7) Nitrobenzene-d5	2.624	82	44951	499.146	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.91%			
13) 2-Fluorobiphenyl	3.600	172	122309	486.338	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 48.63%			
21) 2,4,6-Tribromophenol	4.427	330	14481	516.322	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.82%			
30) 4-Terphenyl-d14	5.760	244	169972	504.275	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.43%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.208	93	41071	479.147	ng/ml#	77
5) n-nitrosodi-n-propylamine	2.543	70	28682	499.280	ng/ml	100
6) Hexachloroethane	2.607	117	17362	482.356	ng/ml	94
9) Naphthalene	3.018	128	138206	480.477	ng/ml	99
10) Hexachlorobutadiene	3.089	225	24705	488.047	ng/ml	100
11) 2-Methylnaphthalene	3.397	142	98129	488.183	ng/ml	97
12) 1-Methylnaphthalene	3.453	142	91083	492.121	ng/ml	98
14) 2-Chloronaphthalene	3.666	162	102077	491.699	ng/ml	98
15) 2,6-Dinitrotoluene	3.856	165	25755	503.416	ng/ml#	90
16) Acenaphthylene	3.901	152	157411	489.617	ng/ml	100
18) Acenaphthene	3.999	153	105015	489.993	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L7.D
Acq On : 29 Dec 2024 02:27 pm
Operator : sv119:jjw
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 31 16:07:40 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:49 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.085	165	34686	508.771	ng/ml#	91
20) Fluorene	4.289	166	122836	498.860	ng/ml	96
23) 4,6-Dinitro-o-cresol	4.315	198	18886	439.270	ng/ml	98
24) Hexachlorobenzene	4.608	284	38541	481.230	ng/ml	89
25) Pentachlorophenol	4.716	266	16039	405.437	ng/ml	100
26) Phenanthrene	4.836	178	194162	488.748	ng/ml	100
27) Anthracene	4.864	178	196722	493.904	ng/ml	99
28) Fluoranthene	5.530	202	243061	489.040	ng/ml	97
29) Pyrene	5.665	202	253172	493.498	ng/ml	100
32) Benzo[a]anthracene	6.433	228	255211	509.090	ng/ml	100
33) 3,3'-Dichlorobenzidine	6.415	252	72048	424.135	ng/ml	99
34) Chrysene	6.458	228	241633	499.587	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.458	149	125474	500.071	ng/ml	100
37) Benzo[b]fluoranthene	7.339	252	237567	511.529	ng/ml	98
38) Benzo[k]fluoranthene	7.365	252	237883	519.410	ng/ml	98
39) Benzo[a]pyrene	7.671	252	204746	519.558	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.047	276	198795	521.068	ng/ml	93
41) Dibenzo[a,h]anthracene	9.084	278	193699M6	547.290	ng/ml	
42) Benzo[g,h,i]perylene	9.414	276	188750	519.803	ng/ml	93

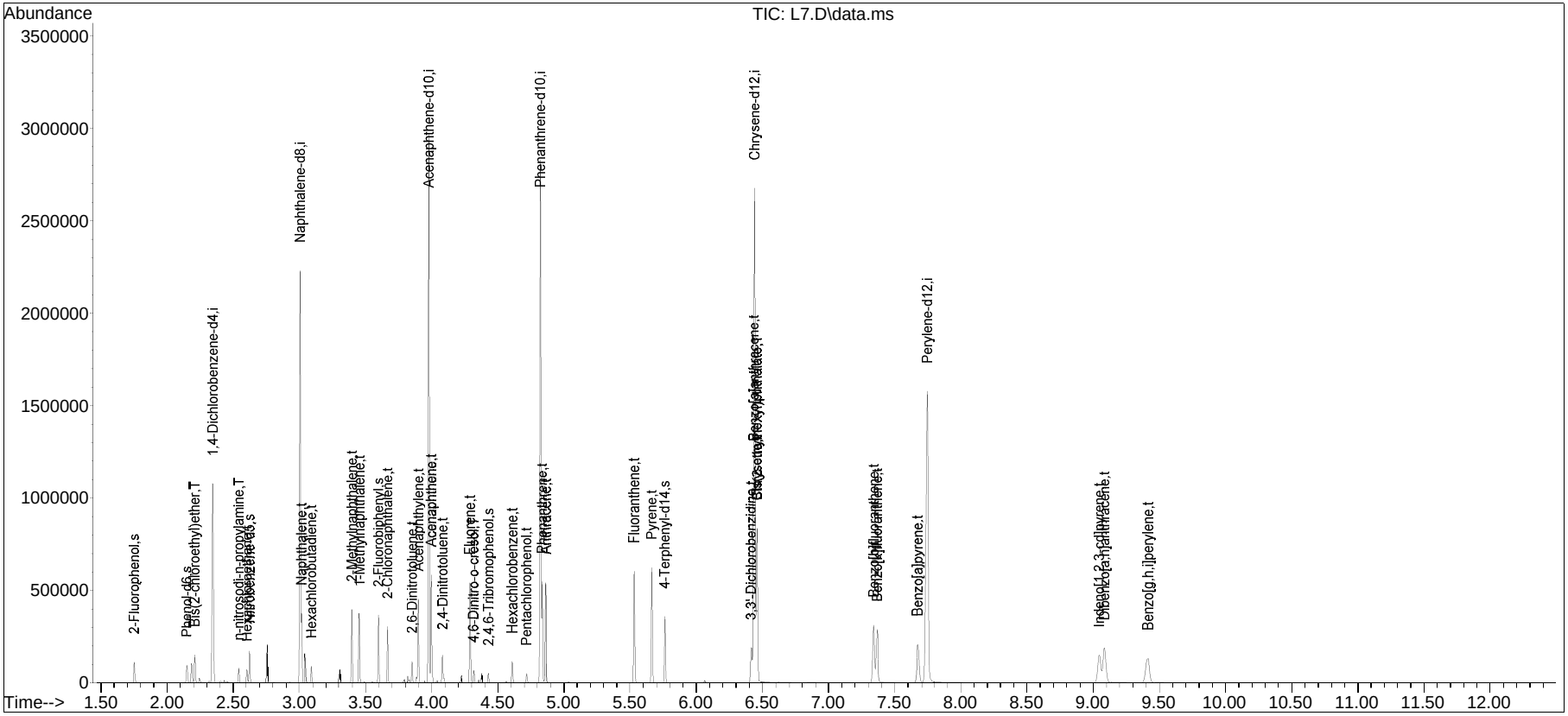
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L7.D
Acq On : 29 Dec 2024 02:27 pm
Operator : sv119:jjw
Sample : IL7,32,, #10889 500 ng/ml
Misc : WG2015284,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 31 16:07:40 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:49 2024
Response via : Initial Calibration

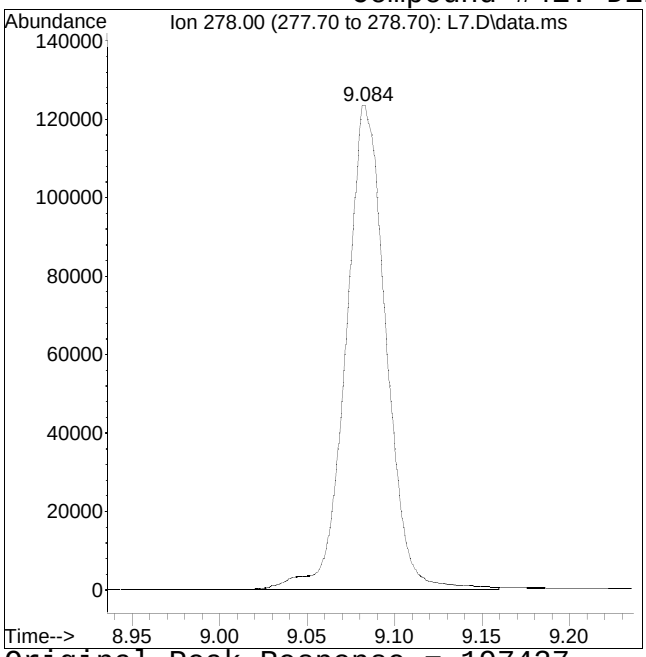
Sub List : Default - All compounds listedical\L8.D•



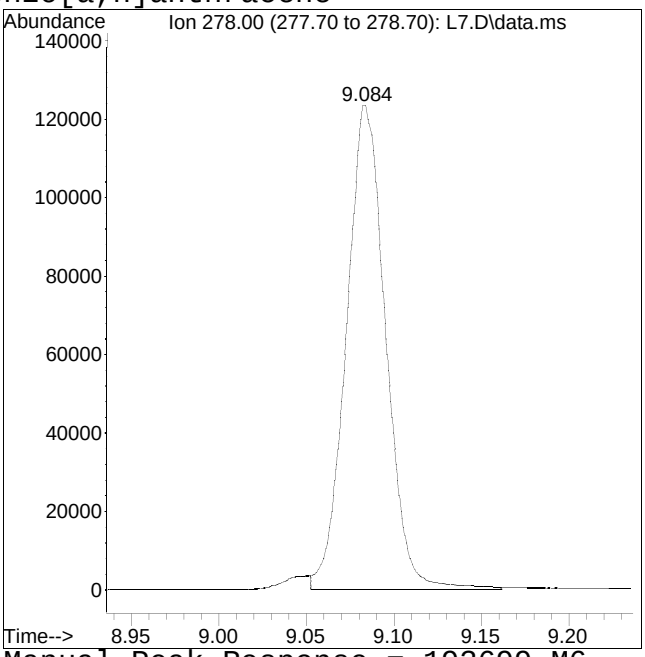
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L7.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 2:27 pm Instrument : SV119
Sample : IL7,32,, #10889 500 ng/ml Quant Date : 12/31/2024 4:08 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 197427



Manual Peak Response = 193699 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L6.D
Acq On : 29 Dec 2024 02:44 pm
Operator : sv119:jjw
Sample : IL6,32,, #11222 100 ng/ml
Misc : WG2015284,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 16:07:35 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.349	152	348584	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 114.07%			
8) Naphthalene-d8	3.010	136	1262202	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 110.09%			
17) Acenaphthene-d10	3.982	164	774717	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 108.38%			
22) Phenanthrene-d10	4.824	188	1624304	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 106.79%			
31) Chrysene-d12	6.442	240	1715880	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 110.49%			
36) Perylene-d12	7.746	264	1679771	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 107.50%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.761	112	8463	90.611	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.53%#			
3) Phenol-d6	2.153	99	10183	87.353	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.37%#			
7) Nitrobenzene-d5	2.627	82	10026	88.692	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 8.87%#			
13) 2-Fluorobiphenyl	3.601	172	27683	89.944	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 8.99%#			
21) 2,4,6-Tribromophenol	4.426	330	2917	86.270	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.31%#			
30) 4-Terphenyl-d14	5.760	244	38387	95.264	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 9.53%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.212	93	9437	87.707	ng/ml#	77
5) n-nitrosodi-n-propylamine	2.546	70	6307	87.463	ng/ml	98
6) Hexachloroethane	2.608	117	3992	88.354	ng/ml	94
9) Naphthalene	3.021	128	31246	88.760	ng/ml	100
10) Hexachlorobutadiene	3.090	225	5602	90.427	ng/ml	99
11) 2-Methylnaphthalene	3.397	142	22197	90.231	ng/ml	98
12) 1-Methylnaphthalene	3.452	142	20577	90.843	ng/ml	98
14) 2-Chloronaphthalene	3.668	162	23306	91.731	ng/ml	98
15) 2,6-Dinitrotoluene	3.857	165	5395	86.166	ng/ml#	88
16) Acenaphthylene	3.900	152	35549	90.350	ng/ml	100
18) Acenaphthene	3.998	153	23490	90.912	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L6.D
Acq On : 29 Dec 2024 02:44 pm
Operator : sv119:jjw
Sample : IL6,32,, #11222 100 ng/ml
Misc : WG2015284,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 16:07:35 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.084	165	6802	82.757	ng/ml#	87
20) Fluorene	4.290	166	27026	91.041	ng/ml	96
23) 4,6-Dinitro-o-cresol	4.314	198	3224	86.212	ng/ml	100
24) Hexachlorobenzene	4.609	284	8612	89.948	ng/ml	89
25) Pentachlorophenol	4.718	266	4120	82.571	ng/ml	100
26) Phenanthrene	4.836	178	43401M6	91.386	ng/ml	
27) Anthracene	4.866	178	43275	90.883	ng/ml	99
28) Fluoranthene	5.529	202	53550	90.125	ng/ml	97
29) Pyrene	5.666	202	55647	90.734	ng/ml	99
32) Benzo[a]anthracene	6.434	228	58816	89.720	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.413	252	13432	87.639	ng/ml	99
34) Chrysene	6.457	228	53579	90.690	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.456	149	23895	77.964	ng/ml	98
37) Benzo[b]fluoranthene	7.339	252	49075	88.152	ng/ml	100
38) Benzo[k]fluoranthene	7.363	252	50767	92.474	ng/ml	96
39) Benzo[a]pyrene	7.672	252	41958	88.823	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.043	276	40027	87.525	ng/ml	93
41) Dibenzo[a,h]anthracene	9.081	278	39005M6	91.939	ng/ml	
42) Benzo[g,h,i]perylene	9.404	276	39026	89.659	ng/ml	93

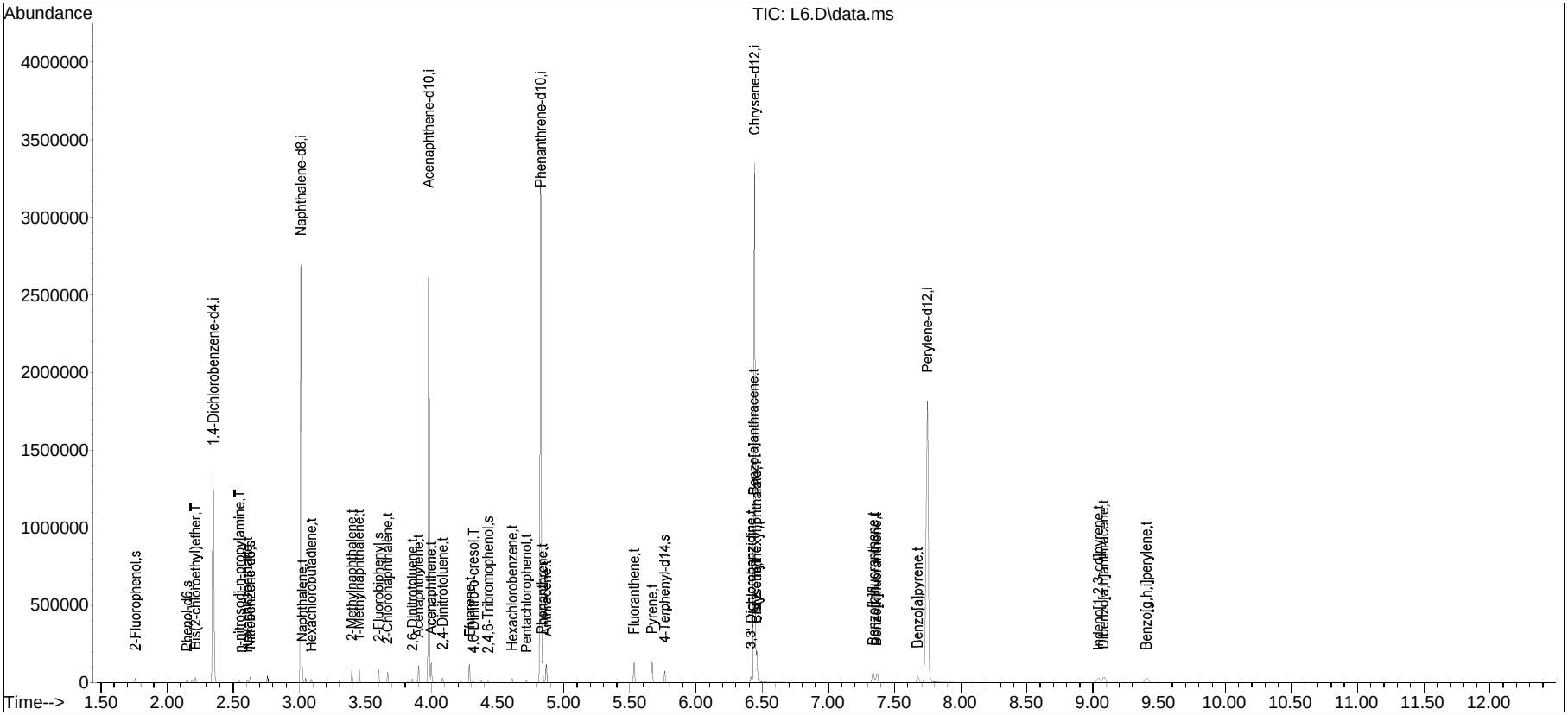
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L6.D
Acq On : 29 Dec 2024 02:44 pm
Operator : sv119:jjw
Sample : IL6,32,, #11222 100 ng/ml
Misc : WG2015284,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 31 16:07:35 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:44 2024
Response via : Initial Calibration

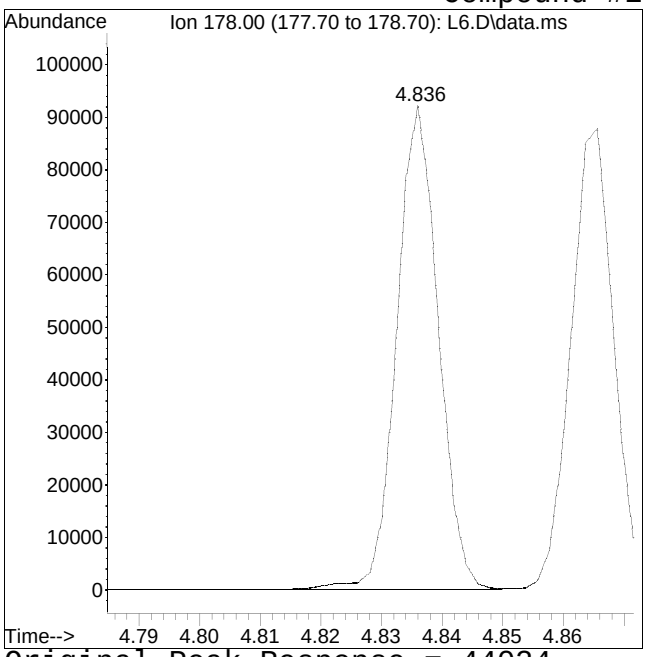
Sub List : Default - All compounds listedical\L8.D•



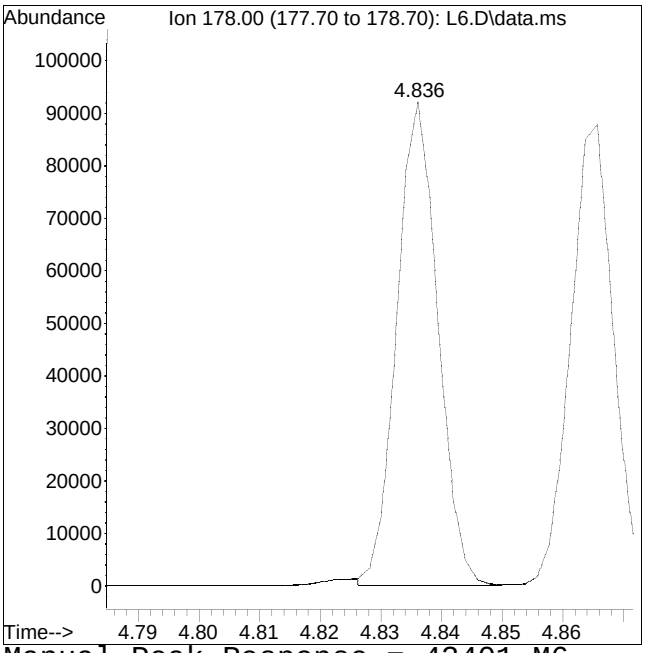
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L6.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 2:44 pm Instrument : SV119
Sample : IL6,32,, #11222 100 ng/ml Quant Date : 12/31/2024 4:08 pm

Compound #26: Phenanthrene



Original Peak Response = 44024



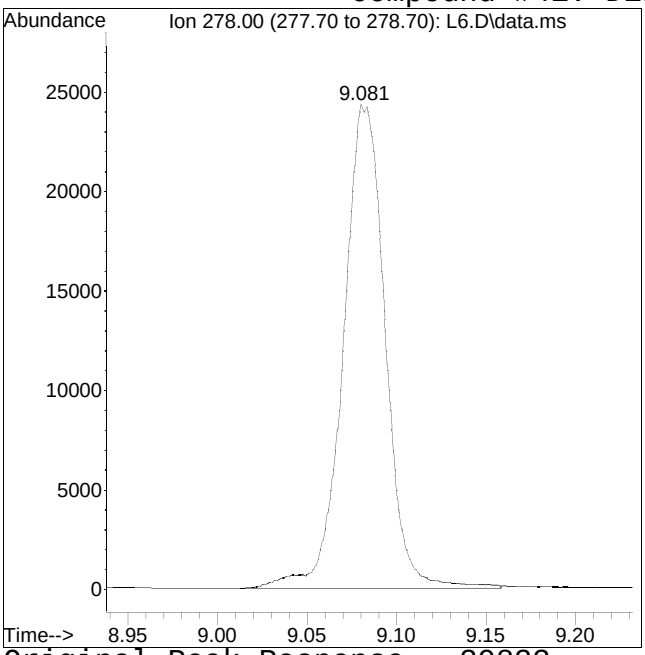
Manual Peak Response = 43401 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

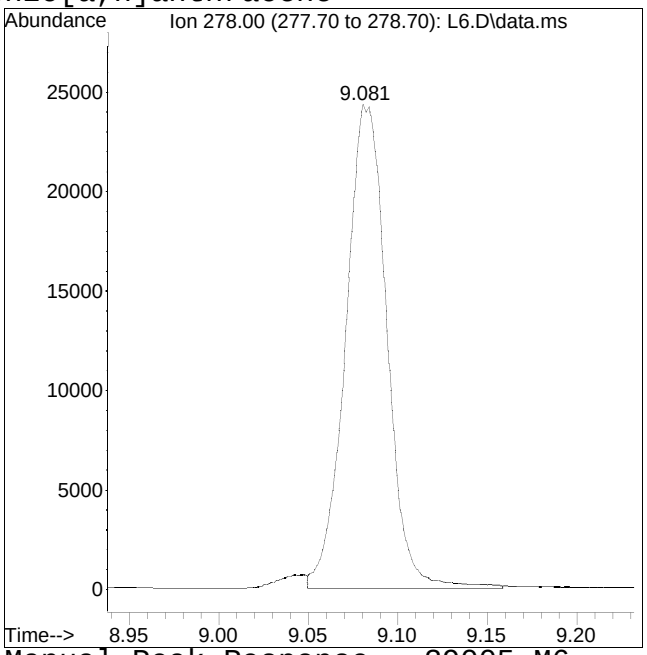
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L6.D
Date Inj'd : 12/29/2024 2:44 pm
Sample : IL6,32,, #11222 100 ng/ml
Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 39833



Manual Peak Response = 39005 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L5.D
Acq On : 29 Dec 2024 03:01 pm
Operator : sv119:jjw
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG2015284,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 16:07:30 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.349	152	371978	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 121.73%			
8) Naphthalene-d8	3.010	136	1361124	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 118.72%			
17) Acenaphthene-d10	3.982	164	850825	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 119.03%			
22) Phenanthrene-d10	4.824	188	1815883	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 119.38%			
31) Chrysene-d12	6.439	240	1971843	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 126.97%			
36) Perylene-d12	7.743	264	1883991	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 120.57%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.762	112	3960	39.732	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.99%#			
3) Phenol-d6	2.153	99	4868	39.133	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.96%#			
7) Nitrobenzene-d5	2.627	82	4930	40.869	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.09%#			
13) 2-Fluorobiphenyl	3.601	172	13741	41.401	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.14%#			
21) 2,4,6-Tribromophenol	4.426	330	1339	36.058	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.80%#			
30) 4-Terphenyl-d14	5.760	244	19393	43.050	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.30%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.212	93	5775	50.297	ng/ml	99
5) n-nitrosodi-n-propylamine	2.546	70	3022	39.272	ng/ml	100
6) Hexachloroethane	2.608	117	1928	39.988	ng/ml	93
9) Naphthalene	3.021	128	15283	40.259	ng/ml	100
10) Hexachlorobutadiene	3.090	225	2730	40.865	ng/ml	99
11) 2-Methylnaphthalene	3.398	142	10887	41.039	ng/ml	98
12) 1-Methylnaphthalene	3.452	142	10053	41.157	ng/ml	98
14) 2-Chloronaphthalene	3.668	162	11392	41.580	ng/ml	98
15) 2,6-Dinitrotoluene	3.857	165	2603	38.552	ng/ml#	87
16) Acenaphthylene	3.900	152	17461	41.153	ng/ml	100
18) Acenaphthene	4.000	153	11585	40.826	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L5.D
Acq On : 29 Dec 2024 03:01 pm
Operator : sv119:jjw
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG2015284,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 16:07:30 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.084	165	3137	34.753	ng/ml#	84
20) Fluorene	4.290	166	13325	40.872	ng/ml	96
23) 4,6-Dinitro-o-cresol	4.316	198	1502	51.908	ng/ml	97
24) Hexachlorobenzene	4.609	284	4349	40.631	ng/ml	89
25) Pentachlorophenol	4.718	266	2504	41.336	ng/ml	99
26) Phenanthrene	4.836	178	21799M6	41.058	ng/ml	
27) Anthracene	4.866	178	21558	40.498	ng/ml	99
28) Fluoranthene	5.529	202	27023	40.682	ng/ml	97
29) Pyrene	5.664	202	28030	40.882	ng/ml	99
32) Benzo[a]anthracene	6.430	228	33056	39.893	ng/ml	97
33) 3,3'-Dichlorobenzidine	6.411	252	6647	53.130	ng/ml	99
34) Chrysene	6.455	228	26991	39.756	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.455	149	12116	34.400	ng/ml	98
37) Benzo[b]fluoranthene	7.334	252	24381	39.048	ng/ml	98
38) Benzo[k]fluoranthene	7.360	252	24703	40.120	ng/ml	98
39) Benzo[a]pyrene	7.669	252	20397	38.499	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.037	276	19225	37.481	ng/ml	94
41) Dibenzo[a,h]anthracene	9.077	278	18024	37.879	ng/ml	92
42) Benzo[g,h,i]perylene	9.404	276	18496	37.887	ng/ml	93

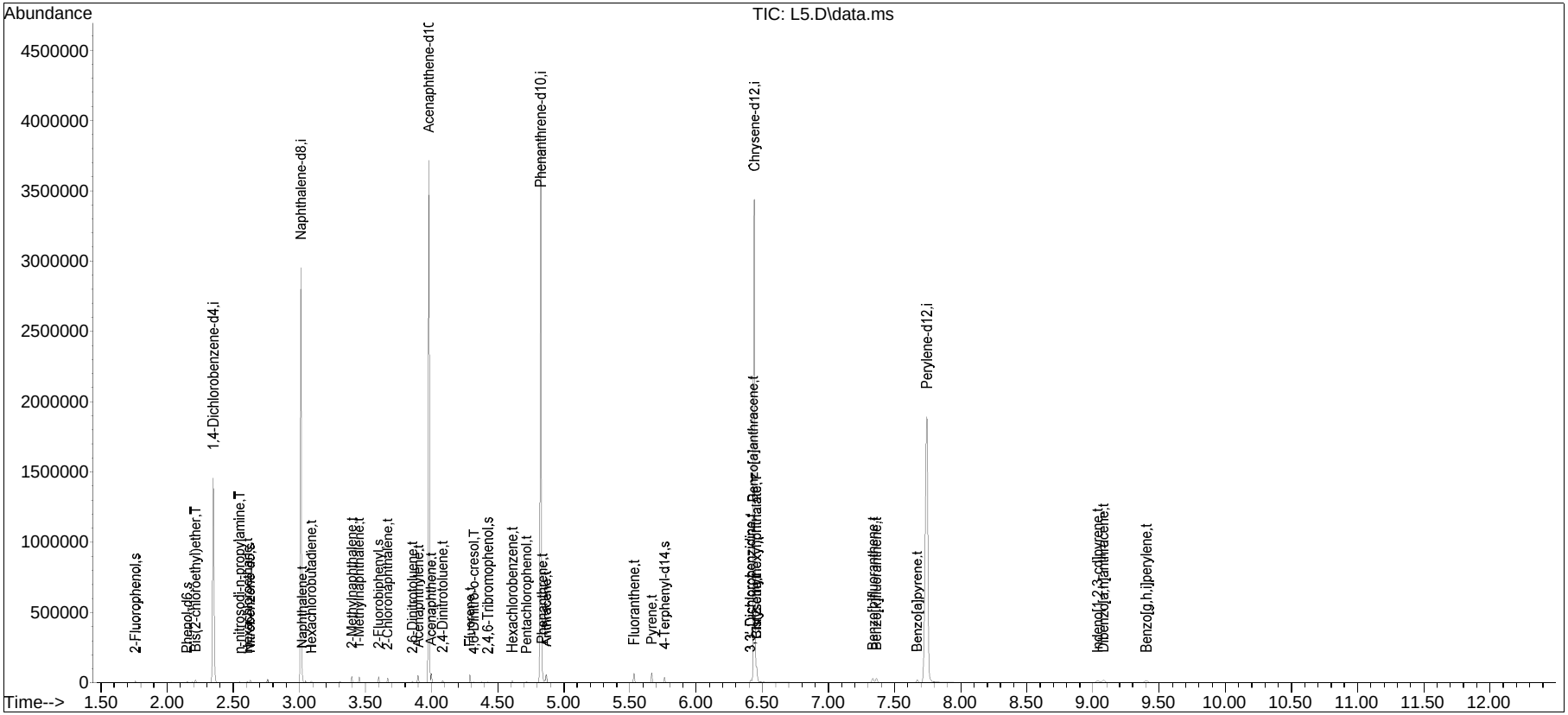
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L5.D
Acq On : 29 Dec 2024 03:01 pm
Operator : sv119:jjw
Sample : IL5,32,, #10891 40 ng/ml
Misc : WG2015284,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 16:07:30 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

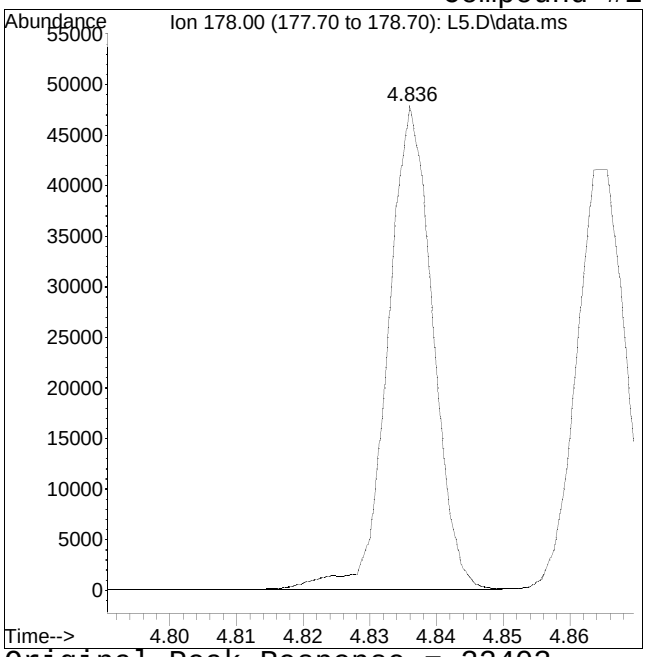


Manual Integration Report

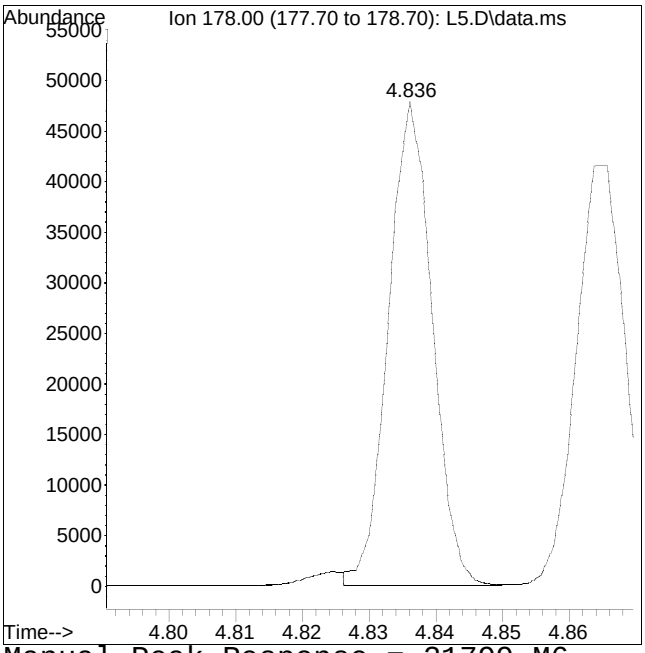
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L5.D
Date Inj'd : 12/29/2024 3:01 pm
Sample : IL5,32,, #10891 40 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #26: Phenanthrene



Original Peak Response = 22403



Manual Peak Response = 21799 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L4.D
Acq On : 29 Dec 2024 03:18 pm
Operator : sv119:jjw
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG2015284,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 16:07:24 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.347	152	370999	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 121.41%			
8) Naphthalene-d8	3.011	136	1351451	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 117.88%			
17) Acenaphthene-d10	3.983	164	838484	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 117.30%			
22) Phenanthrene-d10	4.825	188	1741192	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 114.47%			
31) Chrysene-d12	6.437	240	1850107	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 119.13%			
36) Perylene-d12	7.743	264	1793742	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 114.79%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.761	112	974	9.798	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
3) Phenol-d6	2.152	99	1209	9.745	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
7) Nitrobenzene-d5	2.628	82	1197	9.949	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.99%#			
13) 2-Fluorobiphenyl	3.602	172	3346	10.153	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.02%#			
21) 2,4,6-Tribromophenol	4.425	330	305	8.334	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.42%#			
30) 4-Terphenyl-d14	5.759	244	4386	10.154	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.02%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.213	93	1174	10.252	ng/ml#	79
5) n-nitrosodi-n-propylamine	2.547	70	773	10.072	ng/ml	99
6) Hexachloroethane	2.608	117	484	10.065	ng/ml	92
9) Naphthalene	3.020	128	3813	10.116	ng/ml	99
10) Hexachlorobutadiene	3.091	225	683	10.297	ng/ml	99
11) 2-Methylnaphthalene	3.398	142	2645	10.042	ng/ml	98
12) 1-Methylnaphthalene	3.453	142	2455	10.123	ng/ml	97
14) 2-Chloronaphthalene	3.669	162	2786	10.241	ng/ml	97
15) 2,6-Dinitrotoluene	3.856	165	657	9.800	ng/ml	91
16) Acenaphthylene	3.901	152	4223	10.024	ng/ml	99
18) Acenaphthene	3.999	153	2795	9.995	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L4.D
Acq On : 29 Dec 2024 03:18 pm
Operator : sv119:jjw
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG2015284,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 16:07:24 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.085	165	725	8.150	ng/ml#	85
20) Fluorene	4.291	166	3148	9.798	ng/ml	95
23) 4,6-Dinitro-o-cresol	4.317	198	263	31.874	ng/ml	99
24) Hexachlorobenzene	4.608	284	1045	10.182	ng/ml	90
25) Pentachlorophenol	4.718	266	1018	12.918	ng/ml	95
26) Phenanthrene	4.837	178	5063	9.945	ng/ml	98
27) Anthracene	4.864	178	5037	9.868	ng/ml	99
28) Fluoranthene	5.528	202	6189	9.717	ng/ml	98
29) Pyrene	5.663	202	6449	9.809	ng/ml	99
32) Benzo[a]anthracene	6.432	228	11427	9.770	ng/ml#	89
33) 3,3'-Dichlorobenzidine	6.410	252	1506	33.333	ng/ml	99
34) Chrysene	6.453	228	6339	9.951	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.454	149	2705	8.185	ng/ml	100
37) Benzo[b]fluoranthene	7.331	252	5732	9.642	ng/ml	98
38) Benzo[k]fluoranthene	7.360	252	5454	9.303	ng/ml	98
39) Benzo[a]pyrene	7.669	252	4705	9.327	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.035	276	4520	9.256	ng/ml	95
41) Dibenzo[a,h]anthracene	9.078	278	4132	9.121	ng/ml	93
42) Benzo[g,h,i]perylene	9.402	276	4376	9.415	ng/ml	93

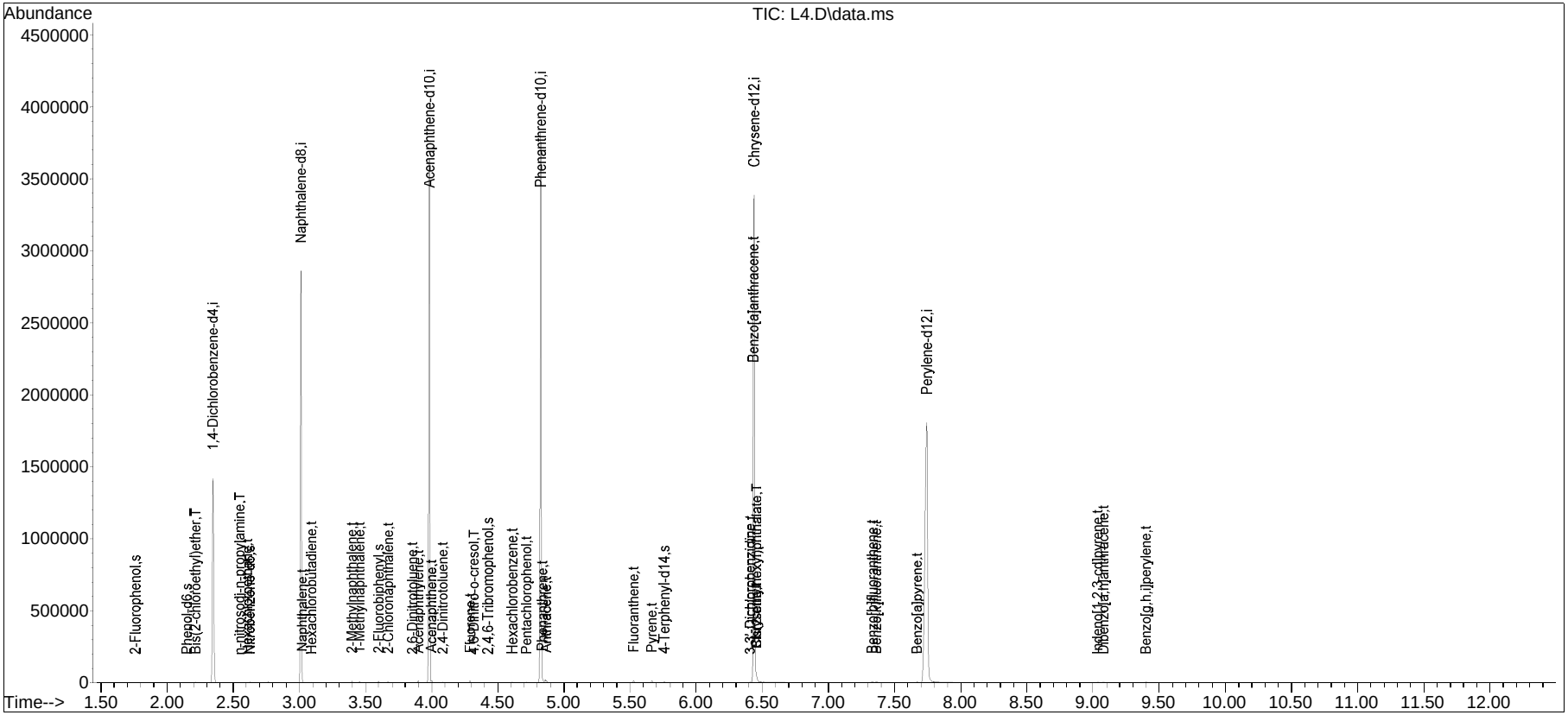
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L4.D
Acq On : 29 Dec 2024 03:18 pm
Operator : sv119:jjw
Sample : IL4,32,, #10892 10 ng/ml
Misc : WG2015284,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 16:07:24 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\241229RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: L4.D	Operator	: sv119:jjw
Date Inj'd	: 12/29/2024 3:18 pm	Instrument	: SV119
Sample	: IL4,32,, #10892 10 ng/ml	Quant Date	: 12/31/2024 4:08 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L3.D
Acq On : 29 Dec 2024 03:35 pm
Operator : sv119:jjw
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG2015284,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 31 16:10:32 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.349	152	381992	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 125.01%			
8) Naphthalene-d8	3.010	136	1374019	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 119.85%			
17) Acenaphthene-d10	3.982	164	845214	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 118.24%			
22) Phenanthrene-d10	4.824	188	1771374	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 116.46%			
31) Chrysene-d12	6.438	240	1918872	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 123.56%			
36) Perylene-d12	7.741	264	1850785	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 118.44%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.762	112	501	4.895	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
3) Phenol-d6	2.153	99	617	4.830	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.629	82	636	5.134	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
13) 2-Fluorobiphenyl	3.601	172	1692	5.050	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	4.426	330	165	4.473	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.758	244	2294	5.220	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.52%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.212	93	624	5.292	ng/ml	85
5) n-nitrosodi-n-propylamine	2.548	70	386	4.885	ng/ml	100
6) Hexachloroethane	2.610	117	245	4.948	ng/ml	92
9) Naphthalene	3.021	128	1938	5.057	ng/ml	97
10) Hexachlorobutadiene	3.090	225	353	5.234	ng/ml	98
11) 2-Methylnaphthalene	3.398	142	1337	4.993	ng/ml	96
12) 1-Methylnaphthalene	3.454	142	1237	5.017	ng/ml	97
14) 2-Chloronaphthalene	3.668	162	1396	5.047	ng/ml	97
15) 2,6-Dinitrotoluene	3.857	165	353	5.179	ng/ml	95
16) Acenaphthylene	3.900	152	2146	5.010	ng/ml	99
18) Acenaphthene	4.000	153	1432	5.080	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L3.D
Acq On : 29 Dec 2024 03:35 pm
Operator : sv119:jjw
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG2015284,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 31 16:10:32 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.084	165	370	4.126	ng/ml#	86
20) Fluorene	4.290	166	1579	4.875	ng/ml	93
23) 4,6-Dinitro-o-cresol	4.319	198	103M7	29.122	ng/ml	
24) Hexachlorobenzene	4.607	284	528	5.057	ng/ml	92
25) Pentachlorophenol	4.718	266	755	7.237	ng/ml	98
26) Phenanthrene	4.836	178	2595M7	5.010	ng/ml	
27) Anthracene	4.864	178	2580	4.968	ng/ml	99
28) Fluoranthene	5.527	202	3205	4.946	ng/ml	96
29) Pyrene	5.664	202	3335	4.986	ng/ml	100
32) Benzo[a]anthracene	6.436	228	8508	4.812	ng/ml#	84
33) 3,3'-Dichlorobenzidine	6.410	252	822	30.347	ng/ml	98
34) Chrysene	6.454	228	3307	5.005	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.454	149	1563	4.560	ng/ml	96
37) Benzo[b]fluoranthene	7.332	252	3017	4.919	ng/ml	97
38) Benzo[k]fluoranthene	7.358	252	2800	4.629	ng/ml	98
39) Benzo[a]pyrene	7.667	252	2428	4.665	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	9.037	276	2345	4.654	ng/ml	93
41) Dibenzo[a,h]anthracene	9.075	278	2106	4.505	ng/ml#	91
42) Benzo[g,h,i]perylene	9.400	276	2235	4.660	ng/ml	94

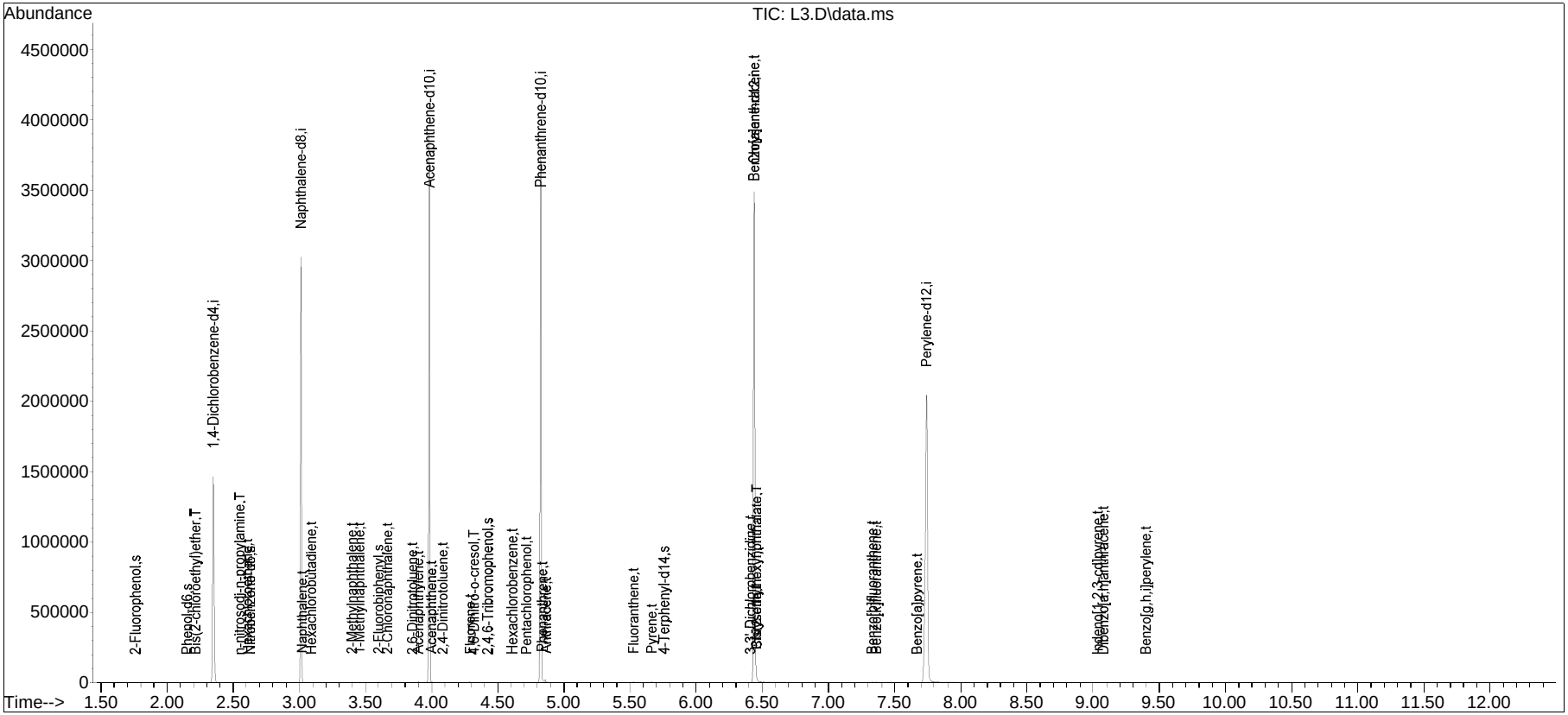
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L3.D
Acq On : 29 Dec 2024 03:35 pm
Operator : sv119:jjw
Sample : IL3,32,, #10893 5 ng/ml
Misc : WG2015284,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 31 16:10:32 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:29 2024
Response via : Initial Calibration

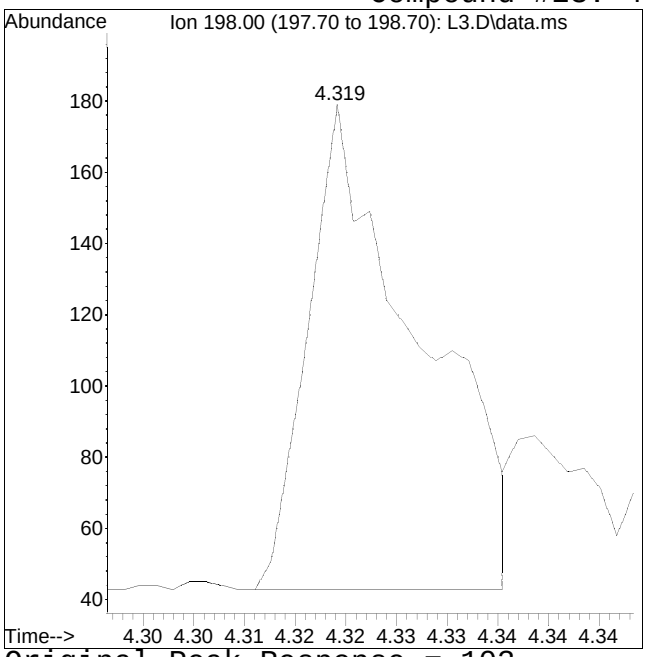
Sub List : Default - All compounds listedical\L8.D•



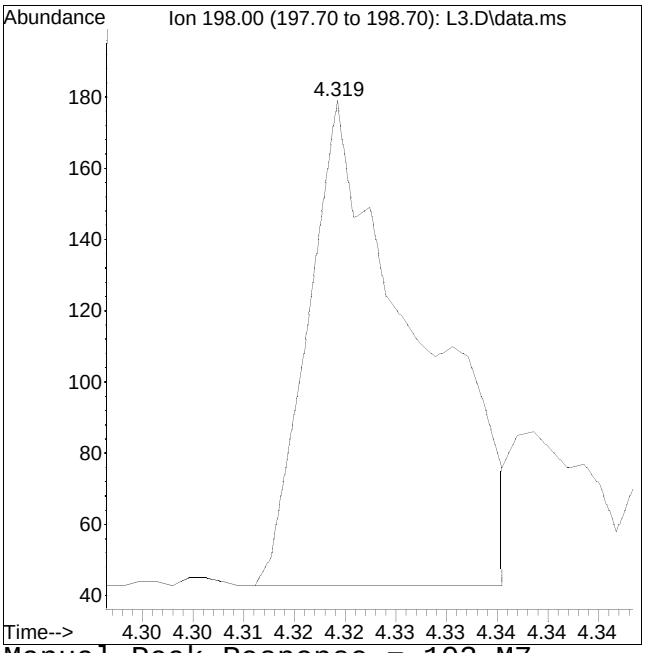
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L3.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 3:35 pm Instrument : SV119
Sample : IL3,32,, #10893 5 ng/ml Quant Date : 12/31/2024 4:08 pm

Compound #23: 4,6-Dinitro-o-cresol



Original Peak Response = 103



Manual Peak Response = 103 M7

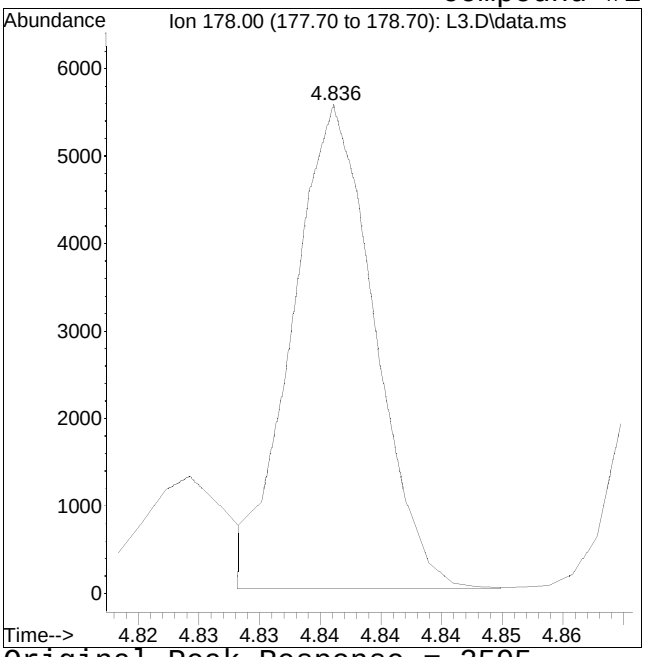
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

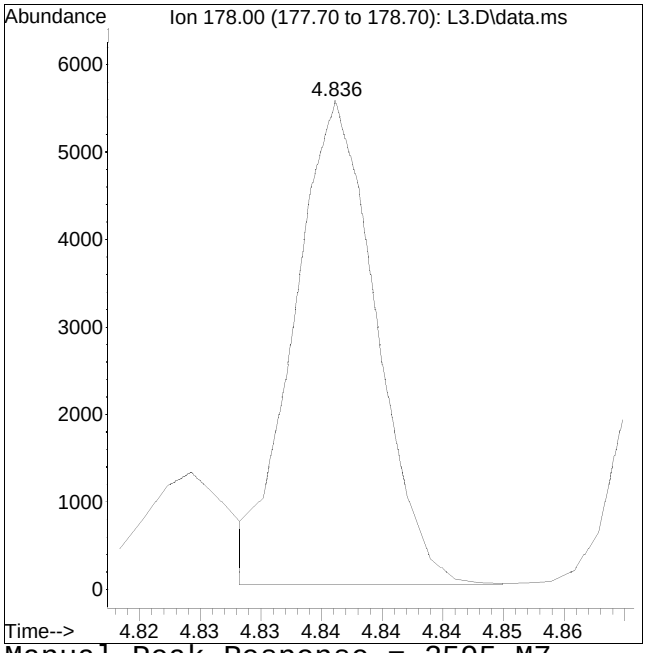
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L3.D
Date Inj'd : 12/29/2024 3:35 pm
Sample : IL3,32,, #10893 5 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #26: Phenanthrene



Original Peak Response = 2595



Manual Peak Response = 2595 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L2.D
Acq On : 29 Dec 2024 03:52 pm
Operator : sv119:jjw
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG2015284,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 31 16:10:02 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.348	152	375319	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 122.82%			
8) Naphthalene-d8	3.010	136	1365787	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 119.13%			
17) Acenaphthene-d10	3.982	164	847104	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 118.51%			
22) Phenanthrene-d10	4.824	188	1774123	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 116.64%			
31) Chrysene-d12	6.435	240	1906045	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 122.73%			
36) Perylene-d12	7.741	264	1822819	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 116.65%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.761	112	224	2.227	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
3) Phenol-d6	2.153	99	281	2.239	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
7) Nitrobenzene-d5	2.629	82	259	2.128	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
13) 2-Fluorobiphenyl	3.603	172	789	2.369	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.24%#			
21) 2,4,6-Tribromophenol	4.428	330	84	2.272	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.11%#			
30) 4-Terphenyl-d14	5.758	244	1081	2.456	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.25%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.214	93	2762	23.841	ng/ml#	25
5) n-nitrosodi-n-propylamine	2.548	70	157M7	2.022	ng/ml	
6) Hexachloroethane	2.610	117	123	2.528	ng/ml	94
9) Naphthalene	3.021	128	960M6	2.520	ng/ml	
10) Hexachlorobutadiene	3.092	225	157	2.342	ng/ml	94
11) 2-Methylnaphthalene	3.398	142	624	2.344	ng/ml	96
12) 1-Methylnaphthalene	3.454	142	566	2.309	ng/ml	97
14) 2-Chloronaphthalene	3.669	162	643	2.339	ng/ml	95
15) 2,6-Dinitrotoluene	3.857	165	186	2.745	ng/ml	95
16) Acenaphthylene	3.902	152	1005	2.361	ng/ml	97
18) Acenaphthene	4.000	153	648	2.294	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L2.D
Acq On : 29 Dec 2024 03:52 pm
Operator : sv119:jjw
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG2015284,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 31 16:10:02 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.086	165	189	2.103	ng/ml#	91
20) Fluorene	4.290	166	745	2.295	ng/ml	96
23) 4,6-Dinitro-o-cresol	4.321	198	52M7	28.267	ng/ml	
24) Hexachlorobenzene	4.609	284	256	2.448	ng/ml	90
25) Pentachlorophenol	4.720	266	642	4.929	ng/ml	100
26) Phenanthrene	4.836	178	1221M7	2.354	ng/ml	
27) Anthracene	4.866	178	1209	2.325	ng/ml	98
28) Fluoranthene	5.529	202	1514	2.333	ng/ml	99
29) Pyrene	5.664	202	1542	2.302	ng/ml	98
32) Benzo[a]anthracene	6.435	228	6756	2.282	ng/ml#	80
33) 3,3'-Dichlorobenzidine	6.410	252	432M7	28.785	ng/ml	
34) Chrysene	6.451	228	1516	2.310	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.455	149	972	2.855	ng/ml	98
37) Benzo[b]fluoranthene	7.327	252	1361	2.253	ng/ml	100
38) Benzo[k]fluoranthene	7.360	252	1313	2.204	ng/ml	96
39) Benzo[a]pyrene	7.667	252	1113	2.171	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	9.034	276	1066	2.148	ng/ml	93
41) Dibenzo[a,h]anthracene	9.079	278	936	2.033	ng/ml	96
42) Benzo[g,h,i]perylene	9.402	276	1010	2.138	ng/ml	96

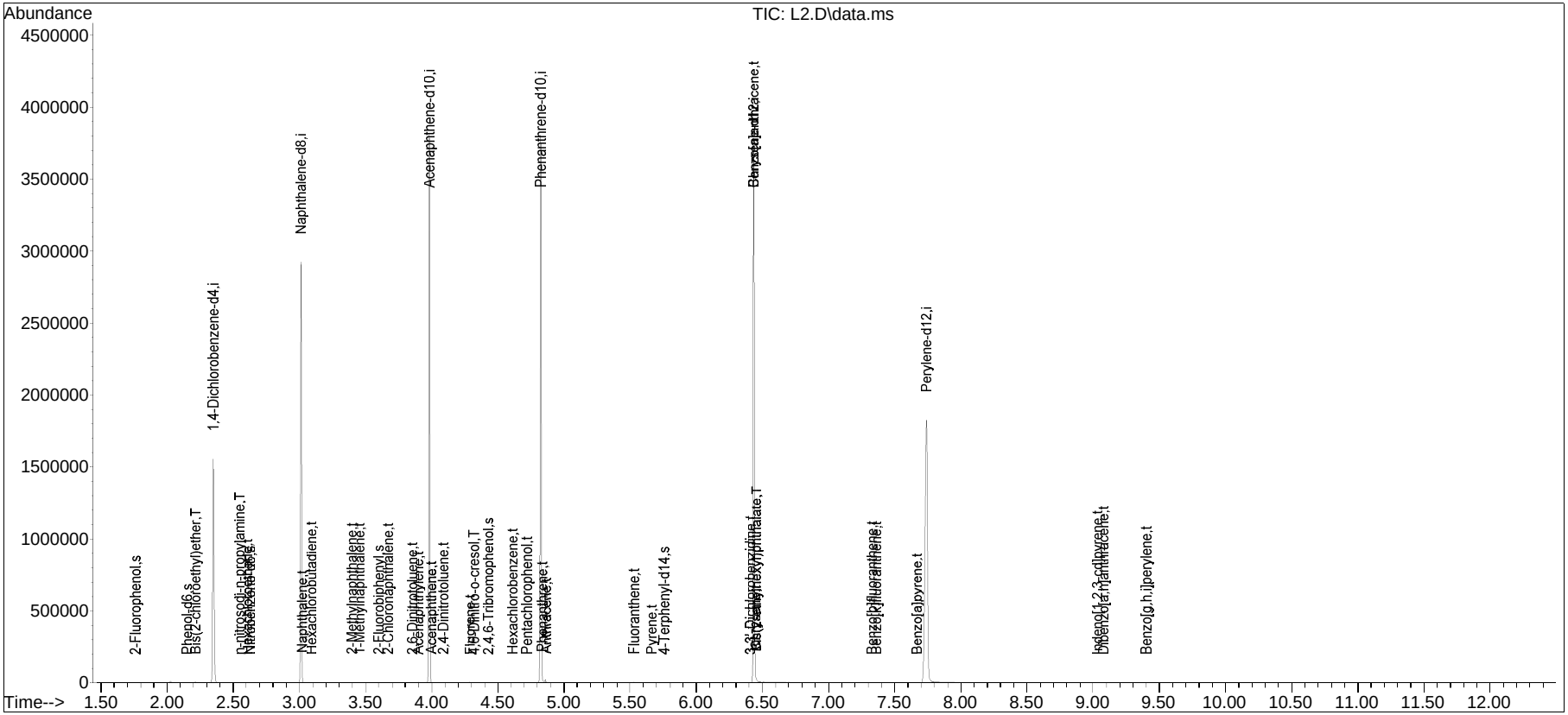
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L2.D
Acq On : 29 Dec 2024 03:52 pm
Operator : sv119:jjw
Sample : IL2,32,, #10900 2 ng/ml
Misc : WG2015284,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 31 16:10:02 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:08:24 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

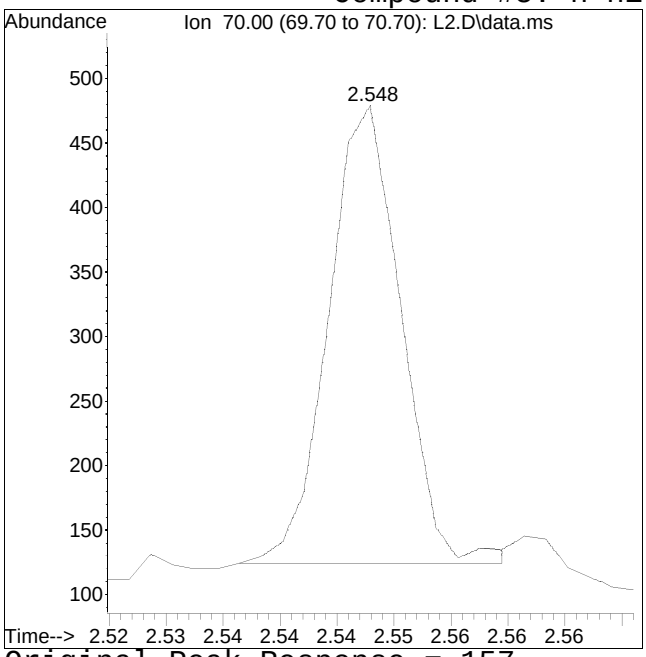


Manual Integration Report

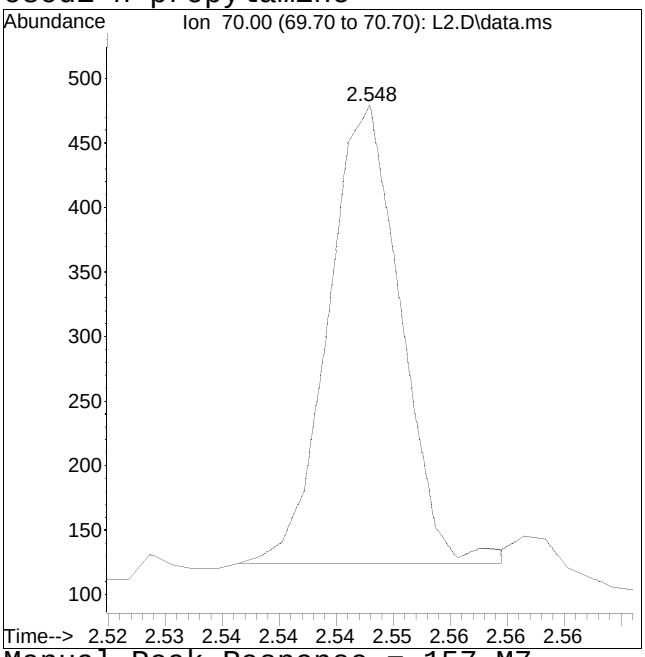
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L2.D
Date Inj'd : 12/29/2024 3:52 pm
Sample : IL2,32,, #10900 2 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 157



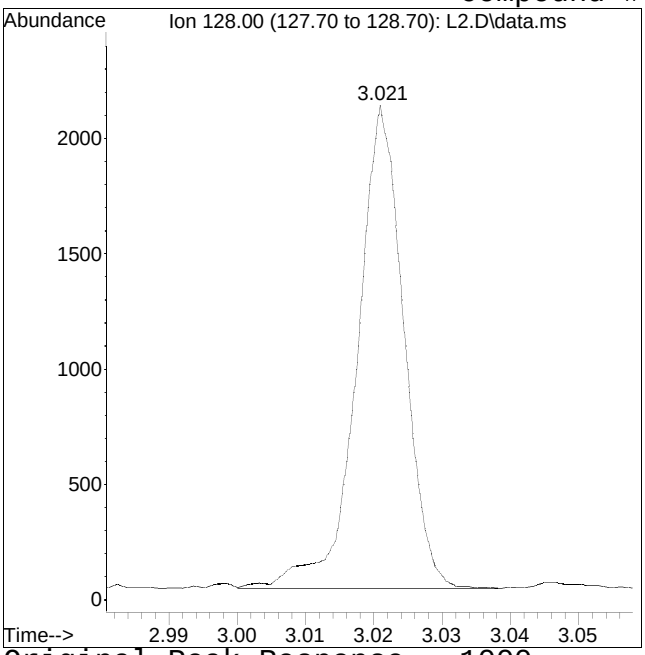
Manual Peak Response = 157 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

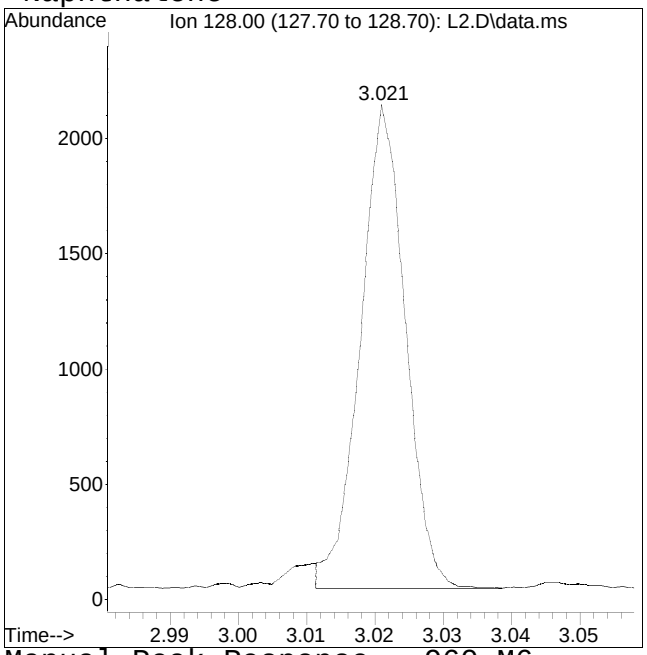
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L2.D
Date Inj'd : 12/29/2024 3:52 pm
Sample : IL2,32,, #10900 2 ng/ml
Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #9: Naphthalene



Original Peak Response = 1000



Manual Peak Response = 960 M6

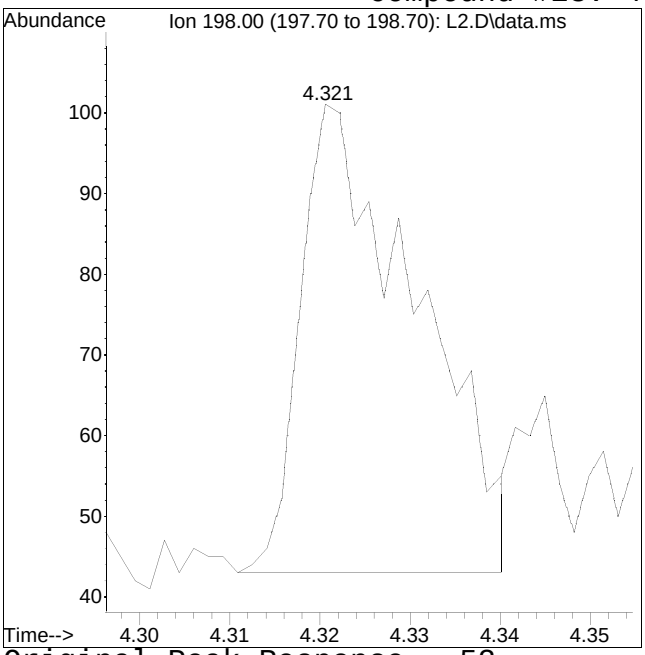
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

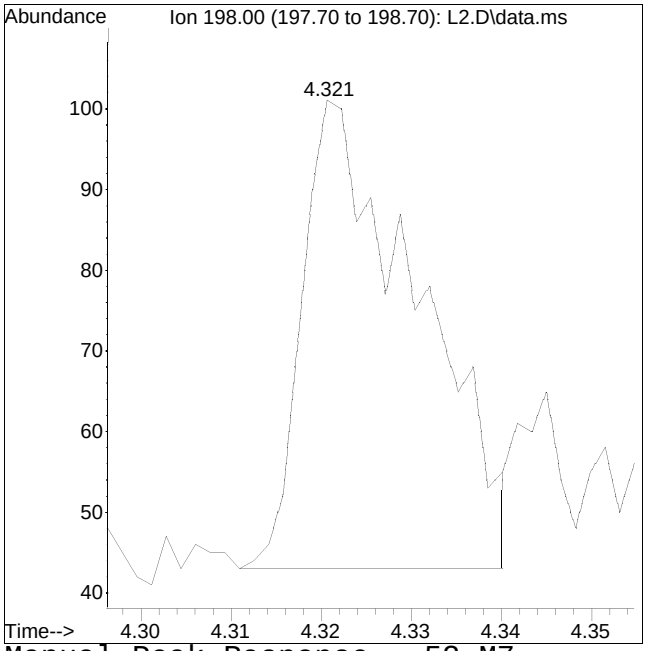
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L2.D
Date Inj'd : 12/29/2024 3:52 pm
Sample : IL2,32,, #10900 2 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #23: 4,6-Dinitro-o-cresol





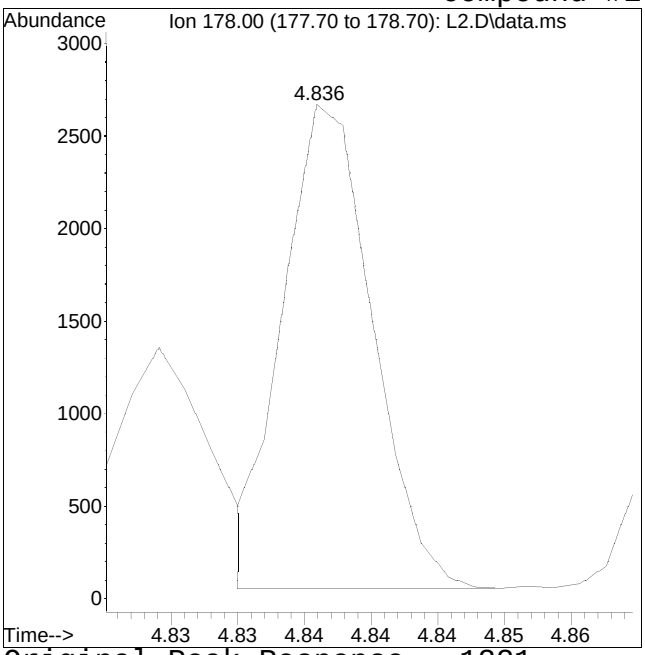
Original Peak Response = 52
Manual Peak Response = 52 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

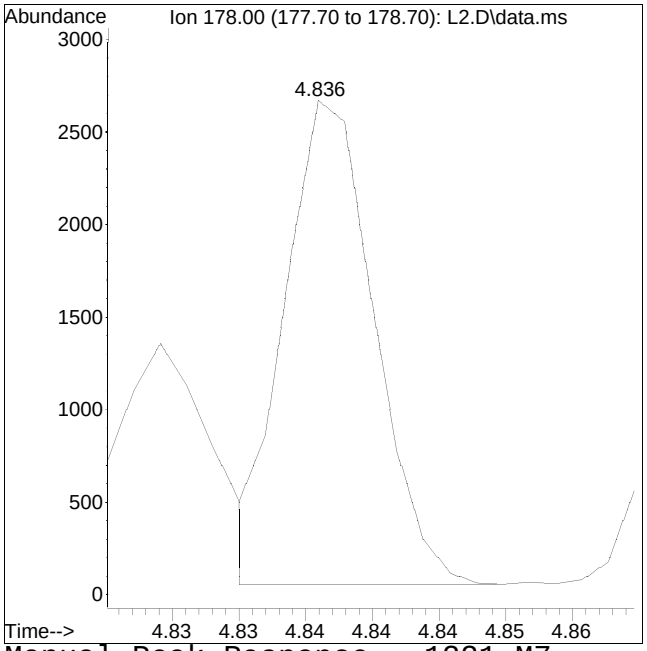
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L2.D
Date Inj'd : 12/29/2024 3:52 pm
Sample : IL2,32,, #10900 2 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #26: Phenanthrene





Original Peak Response = 1221

Manual Peak Response = 1221 M7

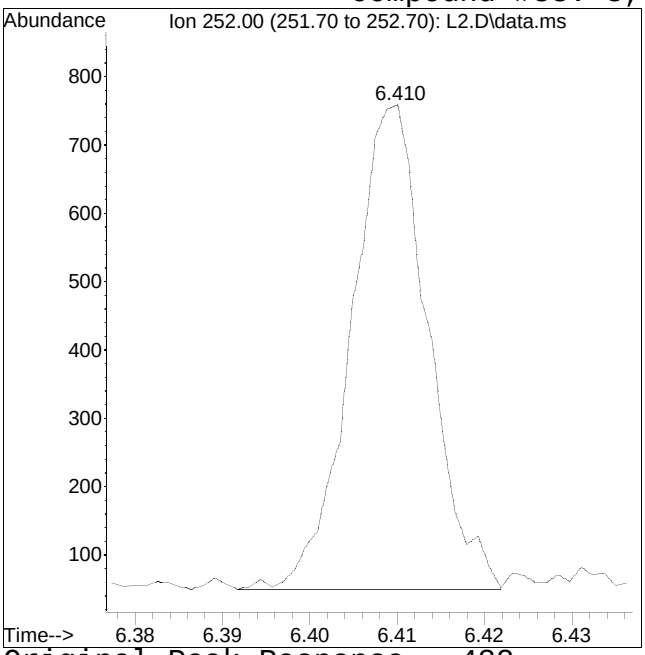
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

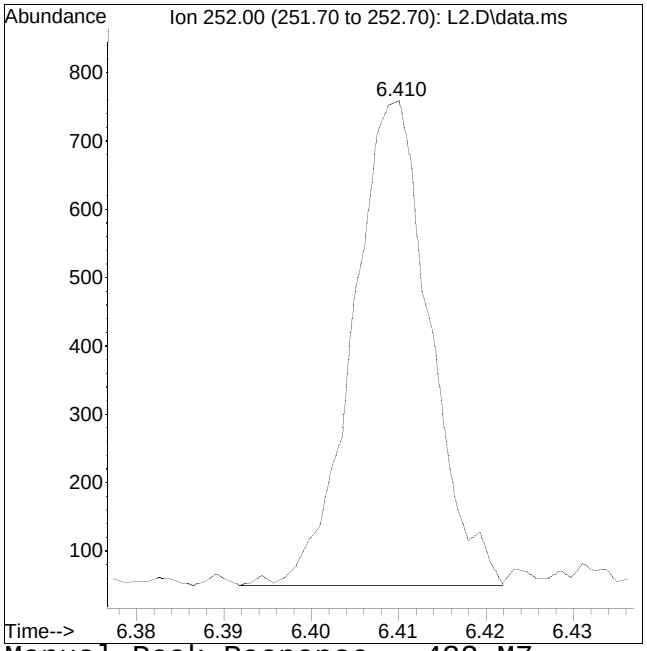
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L2.D
Date Inj'd : 12/29/2024 3:52 pm
Sample : IL2,32,, #10900 2 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:08 pm

Compound #33: 3,3'-Dichlorobenzidine



Original Peak Response = 432



Manual Peak Response = 432 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L1.D
Acq On : 29 Dec 2024 04:09 pm
Operator : sv119:jjw
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG2015284,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 31 16:09:17 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.350	152	366307	4000.000 ng/ml	0.00
Standard Area 1 = 305578			Recovery = 119.87%		
8) Naphthalene-d8	3.010	136	1329353	4000.000 ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 115.95%		
17) Acenaphthene-d10	3.983	164	822777	4000.000 ng/ml	0.00
Standard Area 1 = 714823			Recovery = 115.10%		
22) Phenanthrene-d10	4.825	188	1715899	4000.000 ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 112.81%		
31) Chrysene-d12	6.435	240	1842638	4000.000 ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 118.65%		
36) Perylene-d12	7.742	264	1784873	4000.000 ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 114.23%		
System Monitoring Compounds					
2) 2-Fluorophenol	1.762	112	107	1.090 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#		
3) Phenol-d6	2.155	99	122	0.996 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#		
7) Nitrobenzene-d5	2.628	82	144	1.212 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#		
13) 2-Fluorobiphenyl	3.601	172	345	1.064 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#		
21) 2,4,6-Tribromophenol	4.427	330	45M7	1.253 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.06%#		
30) 4-Terphenyl-d14	5.758	244	522	1.226 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#		
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.213	93	160	1.415 ng/ml	100
5) n-nitrosodi-n-propylamine	2.549	70	84M7	1.109 ng/ml	
6) Hexachloroethane	2.610	117	56	1.179 ng/ml	92
9) Naphthalene	3.021	128	400M6	1.079 ng/ml	
10) Hexachlorobutadiene	3.092	225	68	1.042 ng/ml	88
11) 2-Methylnaphthalene	3.399	142	277	1.069 ng/ml	98
12) 1-Methylnaphthalene	3.454	142	255	1.069 ng/ml	98
14) 2-Chloronaphthalene	3.668	162	293	1.095 ng/ml	97
15) 2,6-Dinitrotoluene	3.855	165	122M4	1.850 ng/ml	
16) Acenaphthylene	3.902	152	432	1.042 ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L1.D
Acq On : 29 Dec 2024 04:09 pm
Operator : sv119:jjw
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG2015284,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 31 16:09:17 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.998	153	290	1.057	ng/ml	92
19) 2,4-Dinitrotoluene	4.086	165	81	0.928	ng/ml#	87
20) Fluorene	4.290	166	327	1.037	ng/ml	91
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.609	284	111	1.097	ng/ml	100
25) Pentachlorophenol	4.720	266	588	4.240	ng/ml	97
26) Phenanthrene	4.838	178	555M7	1.106	ng/ml	
27) Anthracene	4.866	178	547	1.087	ng/ml	100
28) Fluoranthene	5.528	202	682	1.087	ng/ml	97
29) Pyrene	5.665	202	695	1.073	ng/ml	94
32) Benzo[a]anthracene	6.435	228	5699	0.997	ng/ml#	78
33) 3,3'-Dichlorobenzidine	6.409	252	238M7	28.031	ng/ml	
34) Chrysene	6.450	228	675	1.064	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.451	149	761	2.312	ng/ml	99
37) Benzo[b]fluoranthene	7.331	252	615	1.040	ng/ml	99
38) Benzo[k]fluoranthene	7.357	252	628	1.077	ng/ml	96
39) Benzo[a]pyrene	7.666	252	512	1.020	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.037	276	488	1.004	ng/ml	93
41) Dibenzo[a,h]anthracene	9.077	278	430	0.954	ng/ml	99
42) Benzo[g,h,i]perylene	9.400	276	480	1.038	ng/ml	92

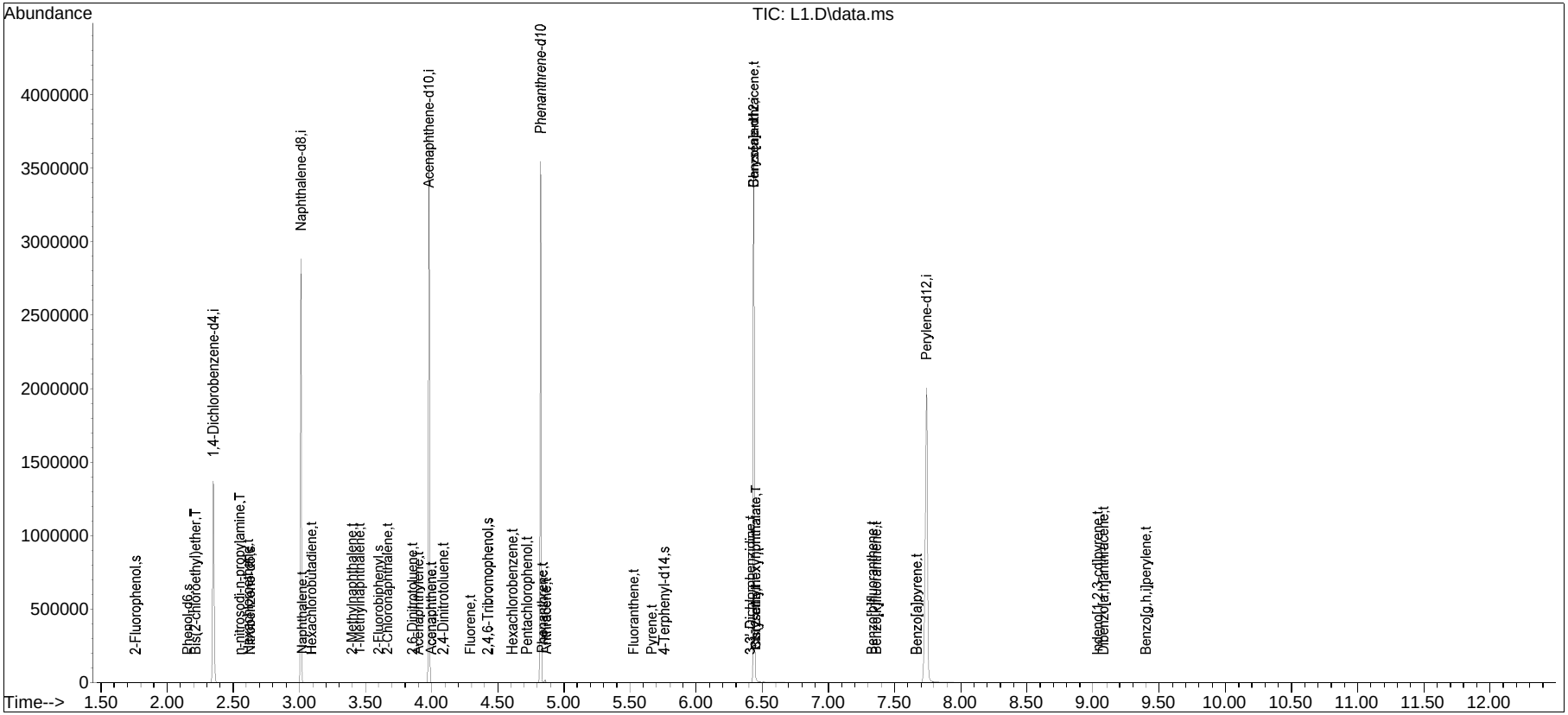
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : L1.D
Acq On : 29 Dec 2024 04:09 pm
Operator : sv119:jjw
Sample : IL1,32,, #10895 1 ng/ml
Misc : WG2015284,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 31 16:09:17 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:45 2024
Response via : Initial Calibration

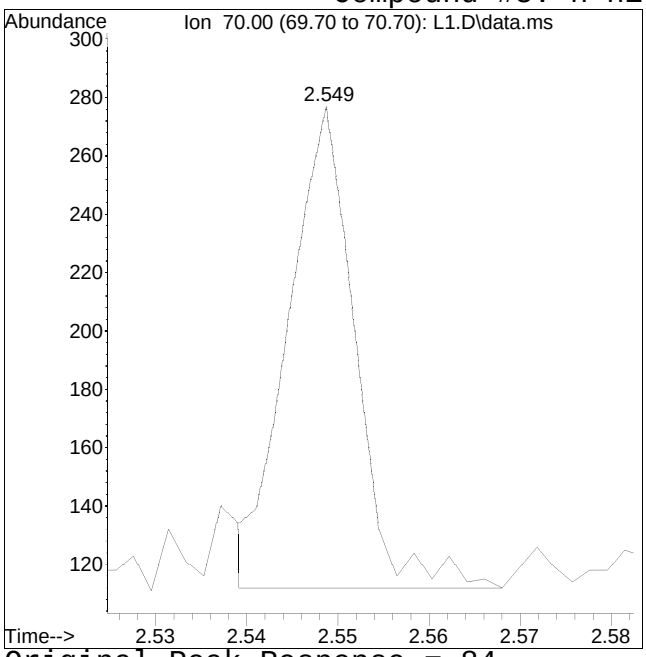
Sub List : Default - All compounds listedical\L8.D•



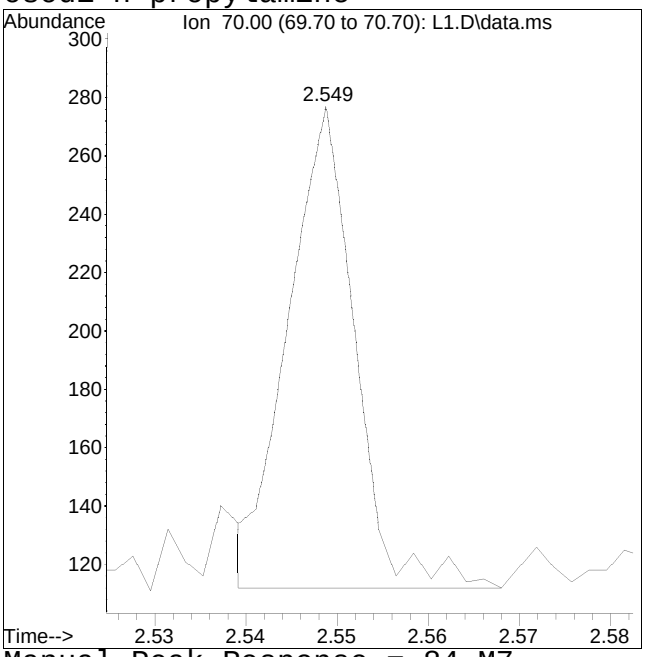
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L1.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 4:09 pm Instrument : SV119
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/31/2024 4:06 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 84



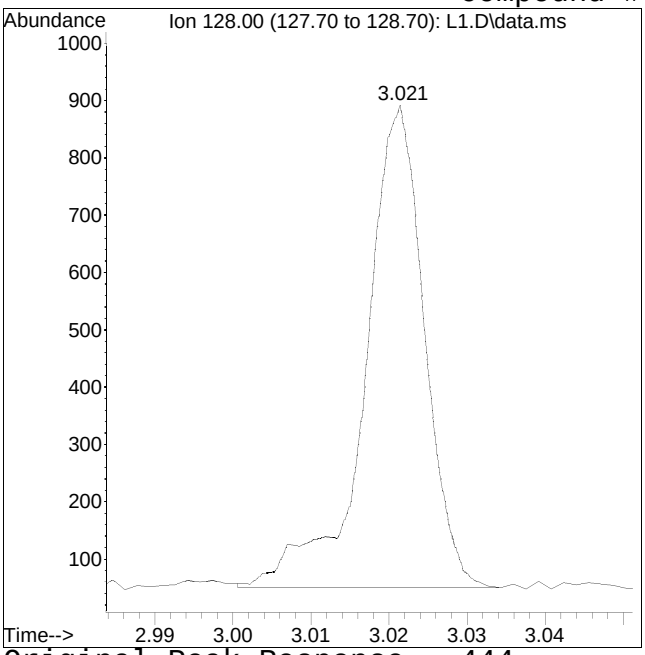
Manual Peak Response = 84 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

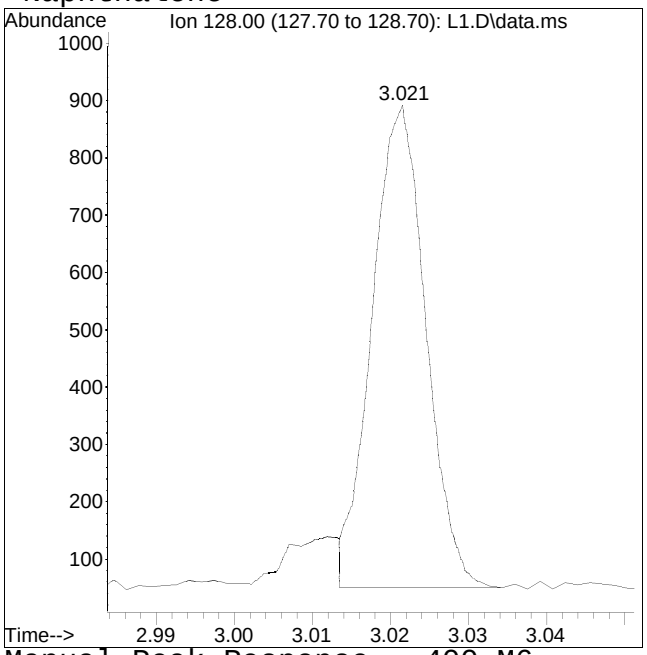
Manual Integration Report

Data Path : I:\8270SIM\sv119\241229RVTQMethod : SIM-RVT_241229_sv119.M
Data File : L1.D Operator : sv119:jjw
Date Inj'd : 12/29/2024 4:09 pm Instrument : SV119
Sample : IL1,32,, #10895 1 ng/ml Quant Date : 12/31/2024 4:06 pm

Compound #9: Naphthalene



Original Peak Response = 444



Manual Peak Response = 400 M6

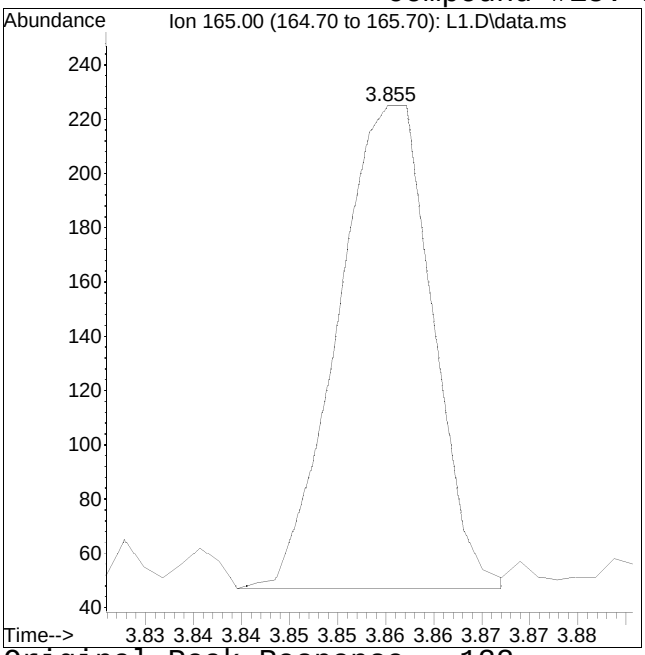
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

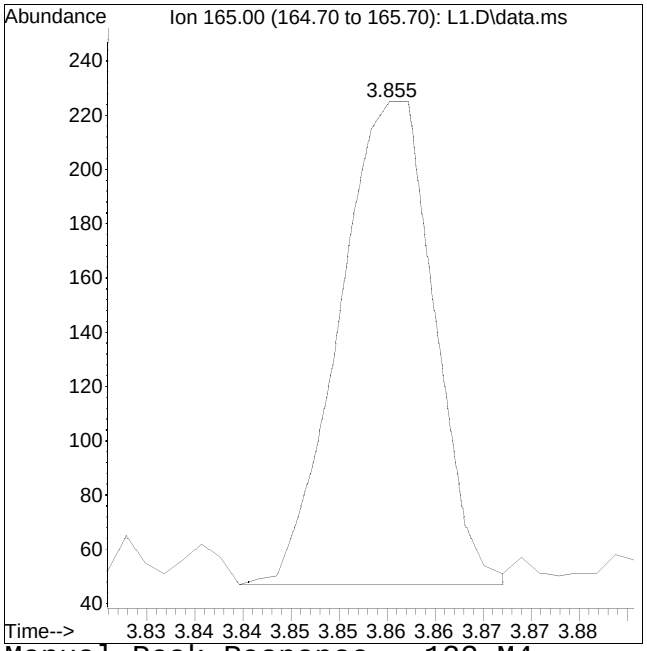
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L1.D
Date Inj'd : 12/29/2024 4:09 pm
Sample : IL1,32,, #10895 1 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:06 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 122



Manual Peak Response = 122 M4

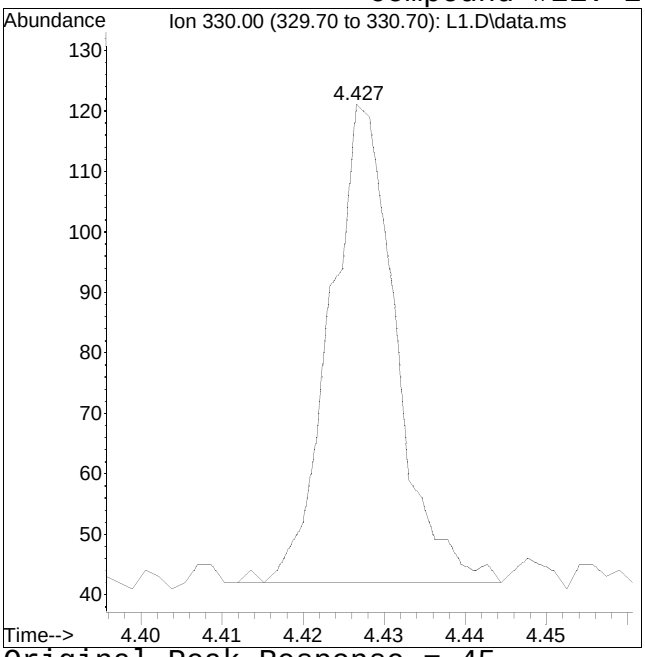
M4 = Poor automated baseline construction.

Manual Integration Report

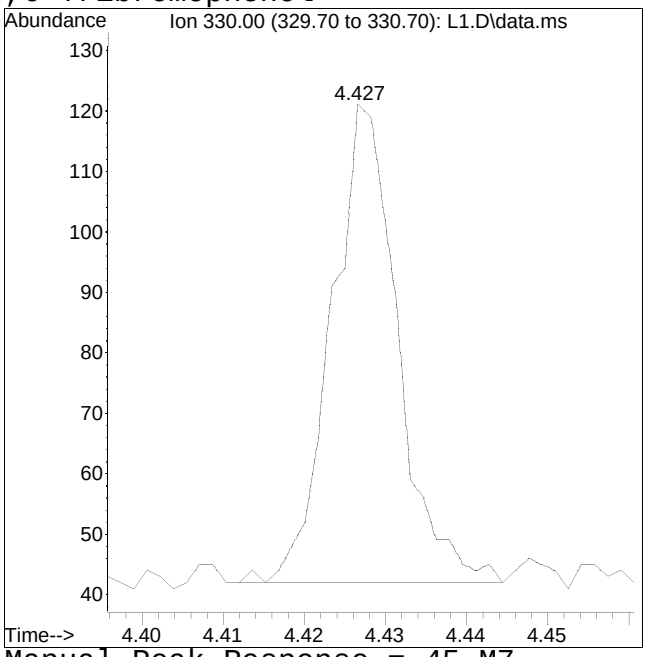
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L1.D
Date Inj'd : 12/29/2024 4:09 pm
Sample : IL1,32,, #10895 1 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:06 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 45



Manual Peak Response = 45 M7

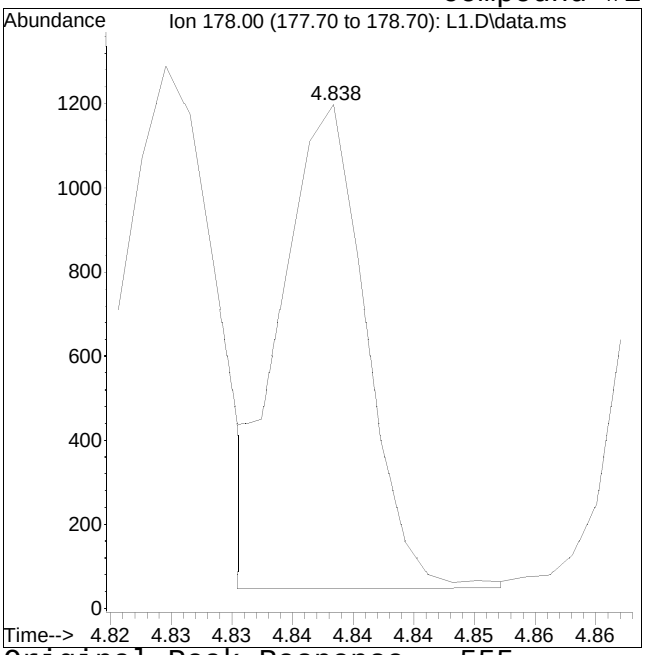
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

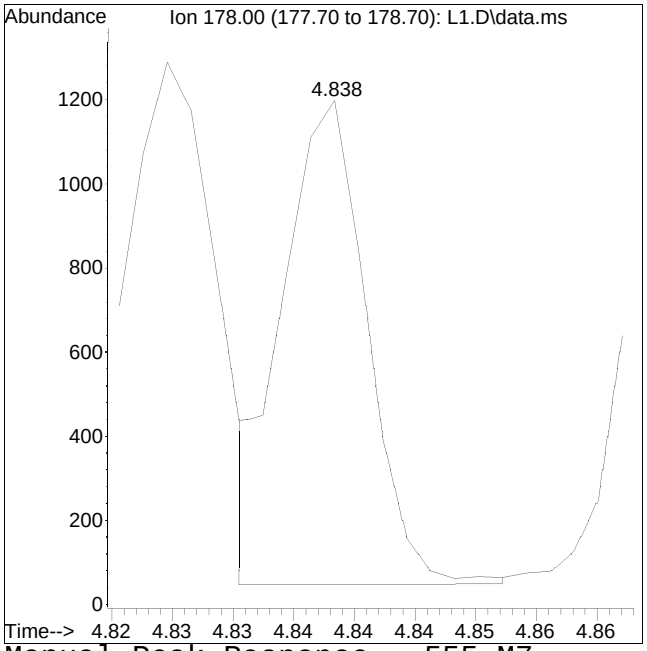
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L1.D
Date Inj'd : 12/29/2024 4:09 pm
Sample : IL1,32,, #10895 1 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:06 pm

Compound #26: Phenanthrene



Original Peak Response = 555



Manual Peak Response = 555 M7

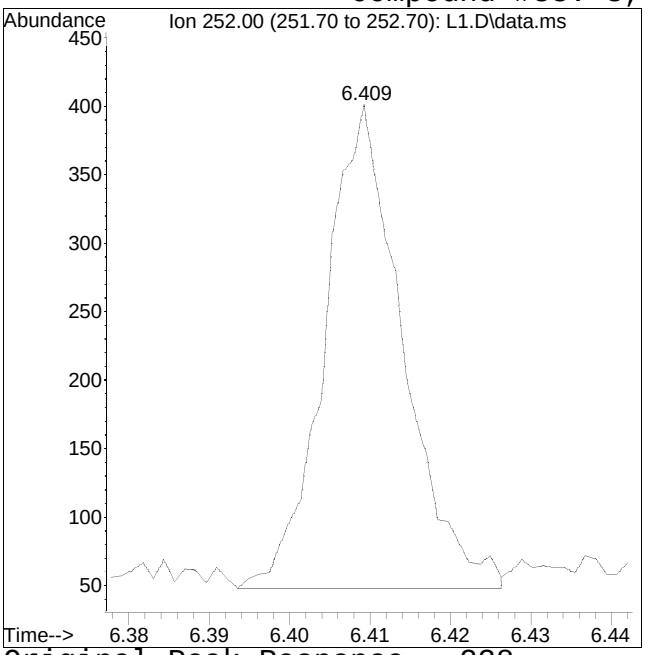
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

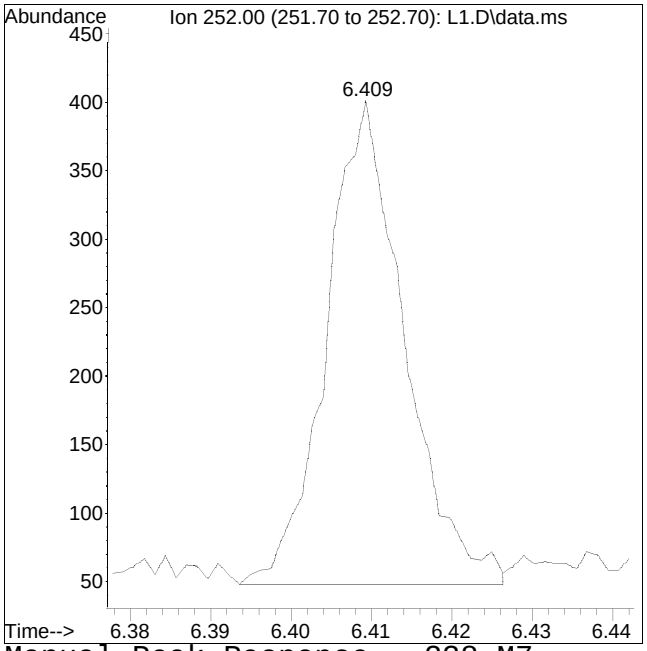
Data Path : I:\8270SIM\sv119\241229RVTQ
Data File : L1.D
Date Inj'd : 12/29/2024 4:09 pm
Sample : IL1,32,, #10895 1 ng/ml

Method : SIM-RVT_241229_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 12/31/2024 4:06 pm

Compound #33: 3,3'-Dichlorobenzidine



Original Peak Response = 238



Manual Peak Response = 238 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : ICV.D
Acq On : 29 Dec 2024 04:26 pm
Operator : sv119:jjw
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 31 16:05:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:39 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00
2	s	2-Fluorophenol	1.072	1.202	-12.1	142	0.00
3	s	Phenol-d6	1.338	1.524	-13.9	143	0.00
4	T	Bis(2-chloroethyl)ether	1.235	1.293	-4.7	142	0.00
5	T	n-nitrosodi-n-propylamine	0.827	0.897	-8.5	137	0.00
6	t	Hexachloroethane	0.518	0.538	-3.9	138	0.00
7	s	Nitrobenzene-d5	1.297	1.422	-9.6	141	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	128	0.00
9	t	Naphthalene	1.116	1.136	-1.8	139	0.00
10	t	Hexachlorobutadiene	0.196	0.207	-5.6	141	0.00
11	t	2-Methylnaphthalene	0.780	0.836	-7.2	143	0.00
12	t	1-Methylnaphthalene	0.718	0.767	-6.8	142	0.00
13	s	2-Fluorobiphenyl	0.975	1.021	-4.7	142	0.00
14	t	2-Chloronaphthalene	0.805	0.844	-4.8	140	0.00
15	t	2,6-Dinitrotoluene	0.198	0.224	-13.1	141	0.00
16	t	Acenaphthylene	1.247	1.319	-5.8	140	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	129	0.00
18	t	Acenaphthene	1.334	1.390	-4.2	139	0.00
19	t	2,4-Dinitrotoluene	0.424	0.496	-17.0	143	0.00
20	t	Fluorene	1.533	1.644	-7.2	139	0.00
21	s	2,4,6-Tribromophenol	0.175	0.217	-24.0#	150	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	128	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	995.824	0.4	137	0.00
24	t	Hexachlorobenzene	0.236	0.240	-1.7	140	0.00
25	t	Pentachlorophenol	*1000.000	1104.280	-10.4	145	0.00
26	t	Phenanthrene	1.170	1.216	-3.9	140	0.00
27	t	Anthracene	1.173	1.242	-5.9	140	0.00
28	t	Fluoranthene	1.463	1.497	-2.3	137	0.00
29	t	Pyrene	1.510	1.575	-4.3	140	0.00
30	s	4-Terphenyl-d14	0.992	1.028	-3.6	137	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	123	0.00
32	t	Benzo[a]anthracene	*1000.000	1090.321	-9.0	134	0.00
33	t	3,3'-Dichlorobenzidine	*1000.000	1066.308	-6.6	146	0.00
34	t	Chrysene	1.377	1.445	-4.9	134	0.00
35	T	Bis(2-ethylhexyl)phthalate	0.714	0.787	-10.2	131	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : ICV.D
Acq On : 29 Dec 2024 04:26 pm
Operator : sv119:jjw
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 31 16:05:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:39 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	121	0.00
37	t	Benzo[b]fluoranthene	1.326	1.405	-6.0	128	0.00
38	t	Benzo[k]fluoranthene	1.307	1.465	-12.1	137	0.00
39	t	Benzo[a]pyrene	1.125	1.271	-13.0	133	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.089	1.207	-10.8	128	0.00
41	t	Dibenzo[a,h]anthracene	1.010	1.156	-14.5	129	0.00
42	t	Benzo[g,h,i]perylene	1.036	1.146	-10.6	130	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : ICV.D
Acq On : 29 Dec 2024 04:26 pm
Operator : sv119:jjw
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 31 16:05:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.349	152	390319	4000.000	ng/ml	0.00
Standard Area 1 = 305578			Recovery = 127.73%			
8) Naphthalene-d8	3.010	136	1467149	4000.000	ng/ml	0.00
Standard Area 1 = 1146492			Recovery = 127.97%			
17) Acenaphthene-d10	3.984	164	919354	4000.000	ng/ml	0.00
Standard Area 1 = 714823			Recovery = 128.61%			
22) Phenanthrene-d10	4.826	188	1939636	4000.000	ng/ml	0.00
Standard Area 1 = 1521053			Recovery = 127.52%			
31) Chrysene-d12	6.440	240	1902556	4000.000	ng/ml	0.00
Standard Area 1 = 1553026			Recovery = 122.51%			
36) Perylene-d12	7.743	264	1890967	4000.000	ng/ml	0.00
Standard Area 1 = 1562574			Recovery = 121.02%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.761	112	117258	1121.213	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.06%			
3) Phenol-d6	2.153	99	148674	1139.002	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.95%			
7) Nitrobenzene-d5	2.627	82	138765	1096.287	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 109.63%			
13) 2-Fluorobiphenyl	3.603	172	374656	1047.236	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.72%			
21) 2,4,6-Tribromophenol	4.428	330	49773	1240.445	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 62.02%			
30) 4-Terphenyl-d14	5.760	244	498657	1036.324	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 103.63%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.212	93	126146	1047.040	ng/ml#	79
5) n-nitrosodi-n-propylamine	2.546	70	87535	1084.108	ng/ml	100
6) Hexachloroethane	2.608	117	52517	1038.064	ng/ml	93
9) Naphthalene	3.021	128	416784	1018.565	ng/ml	99
10) Hexachlorobutadiene	3.092	225	75773	1052.259	ng/ml	100
11) 2-Methylnaphthalene	3.398	142	306508	1071.912	ng/ml	98
12) 1-Methylnaphthalene	3.454	142	281151	1067.840	ng/ml	98
14) 2-Chloronaphthalene	3.670	162	309748	1048.846	ng/ml	98
15) 2,6-Dinitrotoluene	3.859	165	82208	1129.566	ng/ml#	92
16) Acenaphthylene	3.902	152	483748	1057.725	ng/ml	100
18) Acenaphthene	4.002	153	319572	1042.243	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : ICV.D
Acq On : 29 Dec 2024 04:26 pm
Operator : sv119:jjw
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 31 16:05:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:39 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\241229RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	4.086	165	114104	1169.850	ng/ml#	92
20) Fluorene	4.292	166	377766	1072.352	ng/ml	97
23) 4,6-Dinitro-o-cresol	4.318	198	63393	995.824	ng/ml	97
24) Hexachlorobenzene	4.609	284	116516	1019.105	ng/ml	90
25) Pentachlorophenol	4.718	266	64222	1104.280	ng/ml	100
26) Phenanthrene	4.838	178	589743	1039.891	ng/ml	99
27) Anthracene	4.868	178	602433	1059.503	ng/ml	99
28) Fluoranthene	5.529	202	725789	1022.923	ng/ml	97
29) Pyrene	5.667	202	763953	1043.134	ng/ml	100
32) Benzo[a]anthracene	6.430	228	734331	1090.321	ng/ml	99
33) 3,3'-Dichlorobenzidine	6.413	252	255382	1066.308	ng/ml	99
34) Chrysene	6.456	228	687425	1049.395	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.454	149	374501	1102.022	ng/ml	99
37) Benzo[b]fluoranthene	7.337	252	664339	1060.059	ng/ml	100
38) Benzo[k]fluoranthene	7.365	252	692334	1120.260	ng/ml	97
39) Benzo[a]pyrene	7.670	252	600762	1129.737	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	9.044	276	570718	1108.579	ng/ml	93
41) Dibenzo[a,h]anthracene	9.086	278	546347	1143.971	ng/ml	92
42) Benzo[g,h,i]perylene	9.416	276	541938	1106.007	ng/ml	93

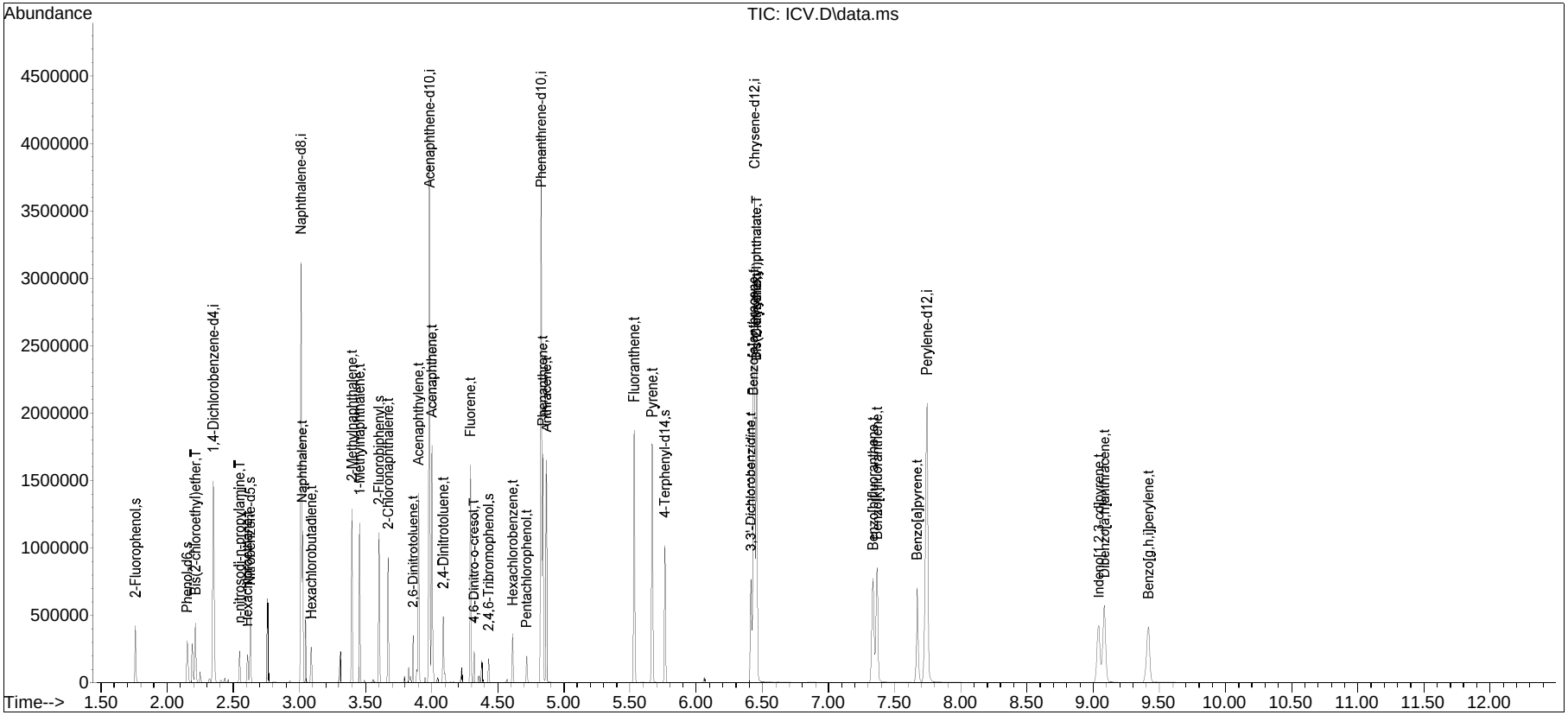
(#) = qualifier out of range (m) = manual integration (+) = signals summed

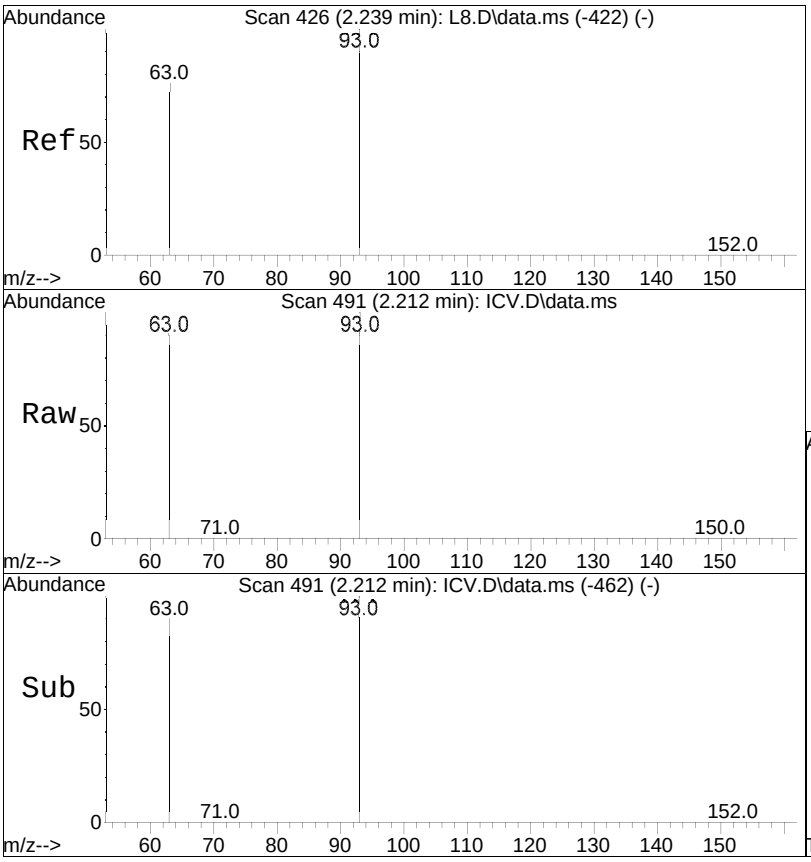
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\241229RVTical\
Data File : ICV.D
Acq On : 29 Dec 2024 04:26 pm
Operator : sv119:jjw
Sample : CQICV,32,, #10884 1000 ng/ml
Misc : WG2015284,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 31 16:05:29 2024
Quant Method : I:\8270SIM\sv119\241229RVTical\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Dec 31 16:06:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

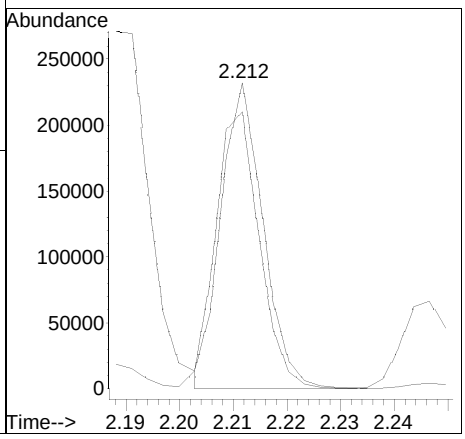


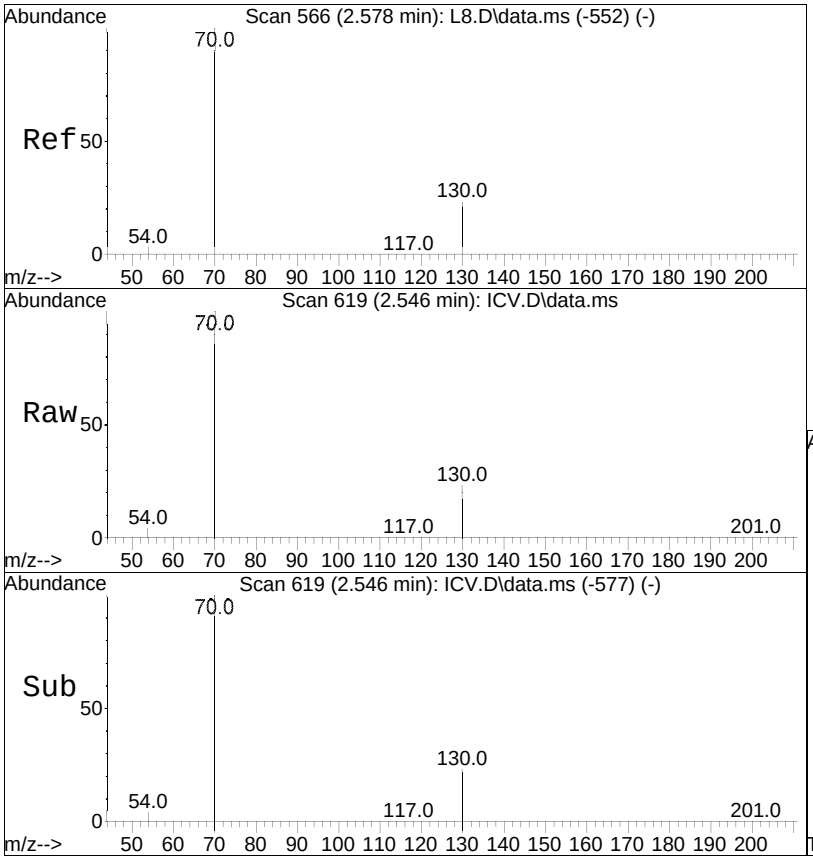


#4
Bis(2-chloroethyl)ether
Concen: 1047.04 ng/ml
RT: 2.212 min Scan# 491
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion: 93 Resp: 126146

Ion	Ratio	Lower	Upper
93	100		
63	95.2	61.7	92.5#

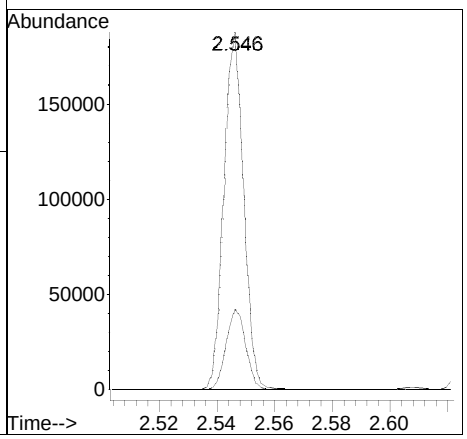


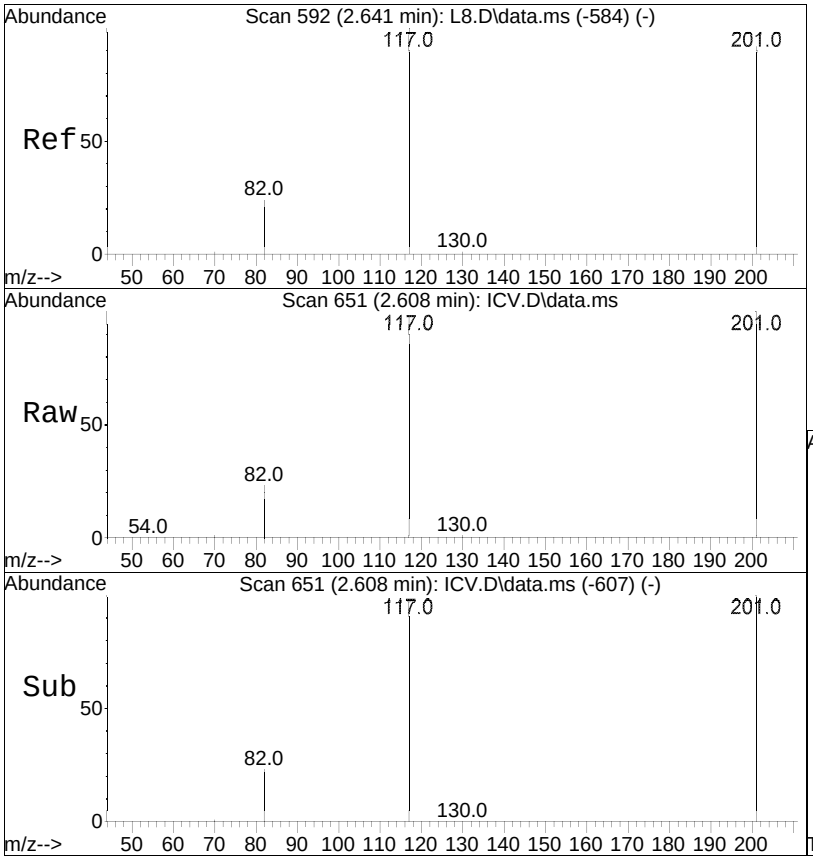


#5
n-nitrosodi-n-propylamine
Concen: 1084.11 ng/ml
RT: 2.546 min Scan# 619
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion: 70 Resp: 87535

Ion	Ratio	Lower	Upper
70	100		
130	22.7	18.1	27.1

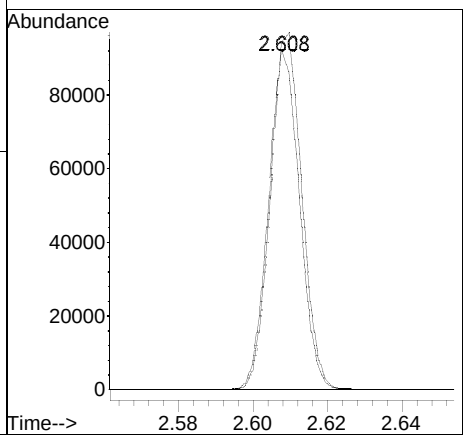


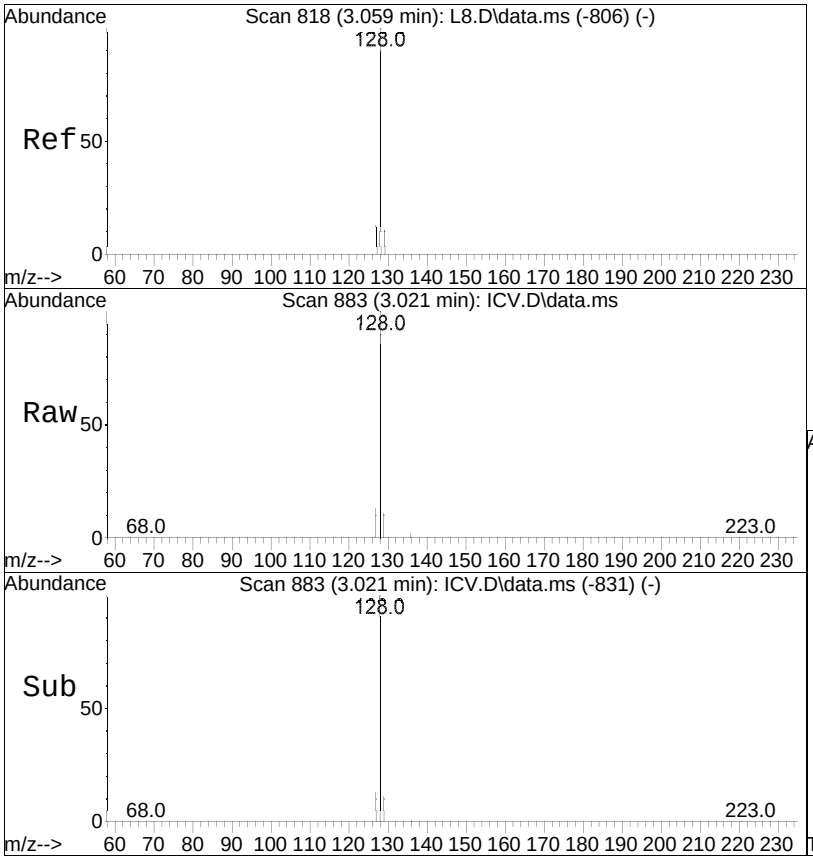


#6
Hexachloroethane
Concen: 1038.06 ng/ml
RT: 2.608 min Scan# 651
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:117 Resp: 52517

Ion	Ratio	Lower	Upper
117	100		
201	106.3	79.3	118.9

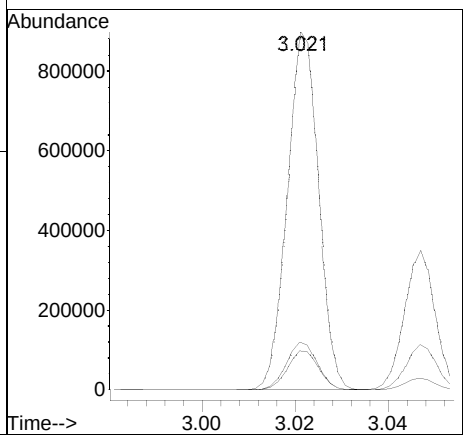


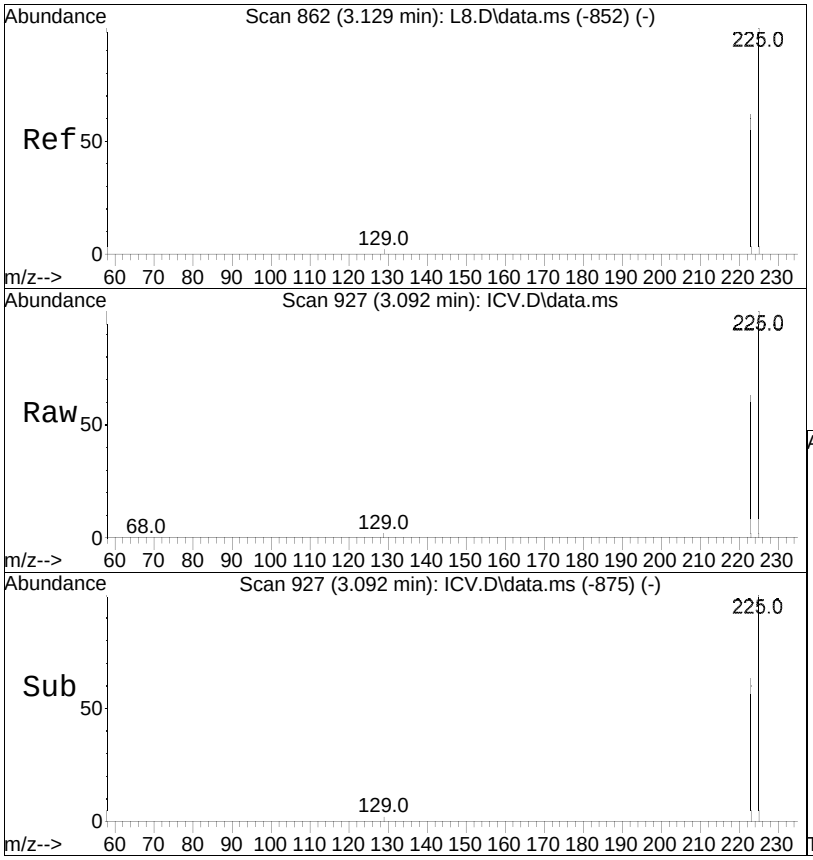


#9
Naphthalene
Concen: 1018.57 ng/ml
RT: 3.021 min Scan# 883
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:128 Resp: 416784

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.3	10.5	15.7

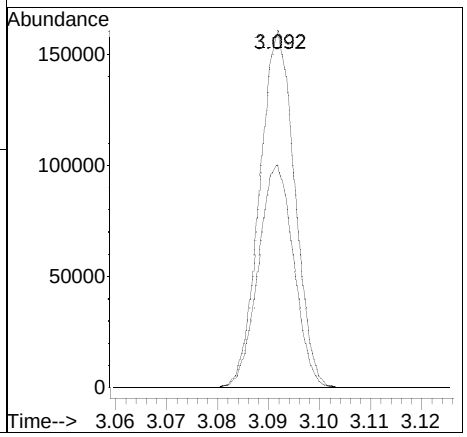


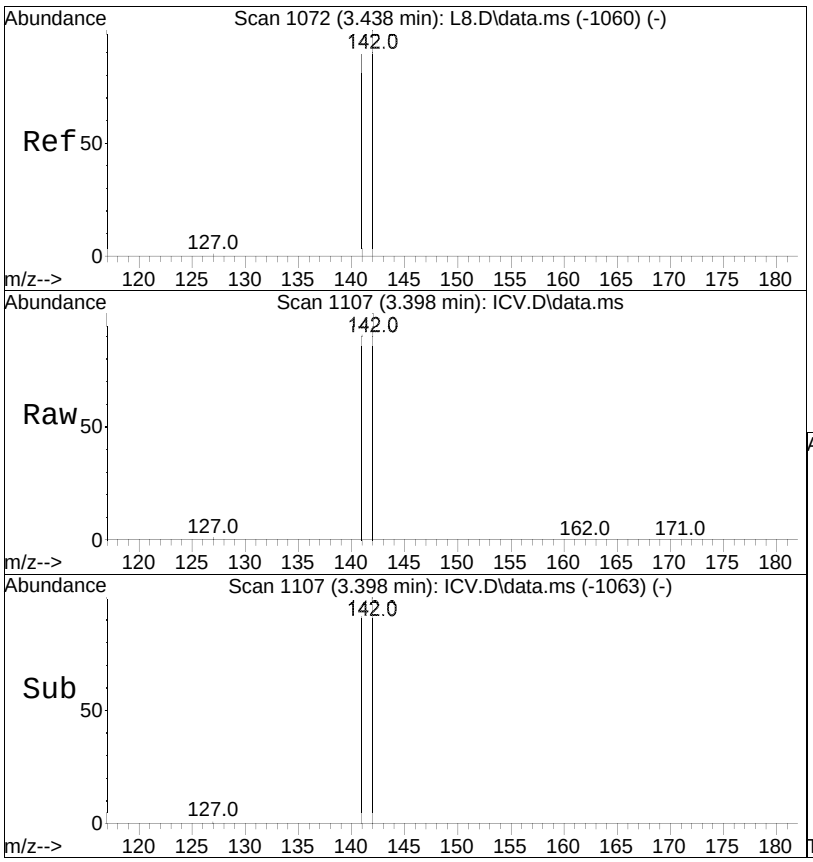


#10
Hexachlorobutadiene
Concen: 1052.26 ng/ml
RT: 3.092 min Scan# 927
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:225 Resp: 75773

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.4	75.6

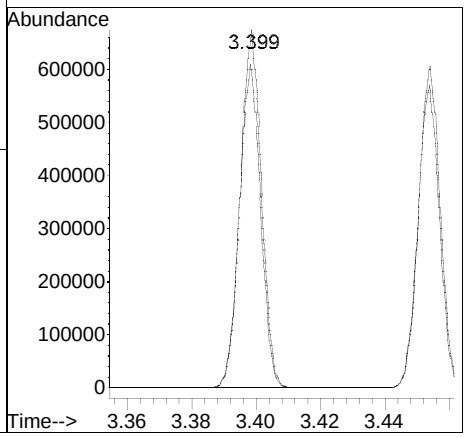


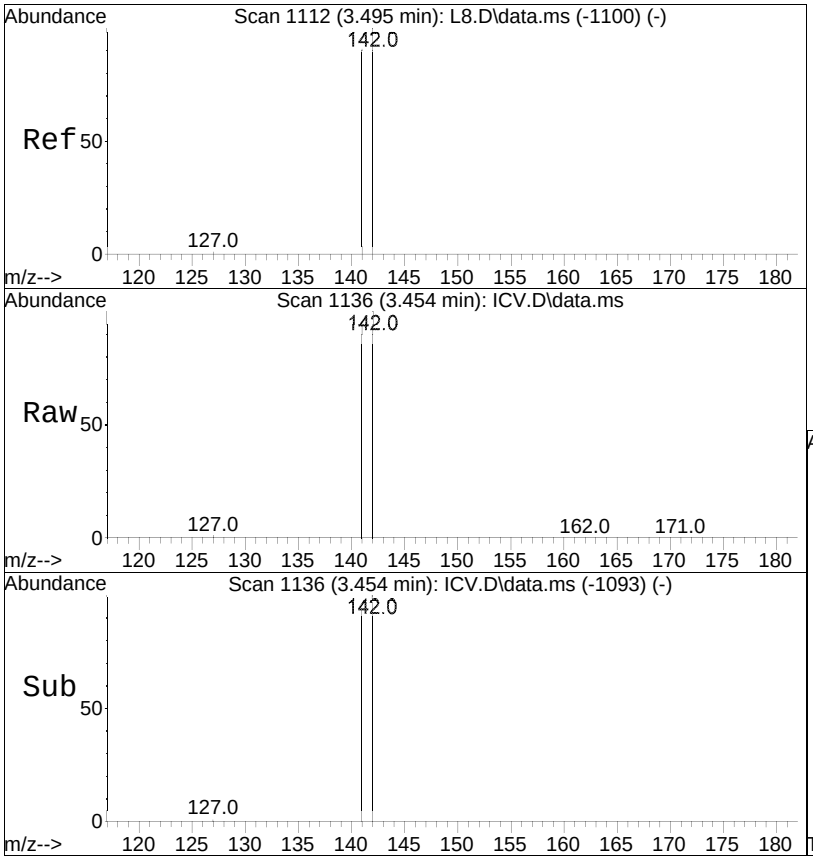


#11
2-Methylnaphthalene
Concen: 1071.91 ng/ml
RT: 3.398 min Scan# 1107
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:142 Resp: 306508

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9

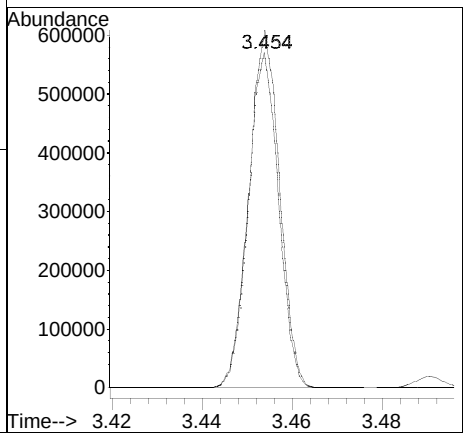


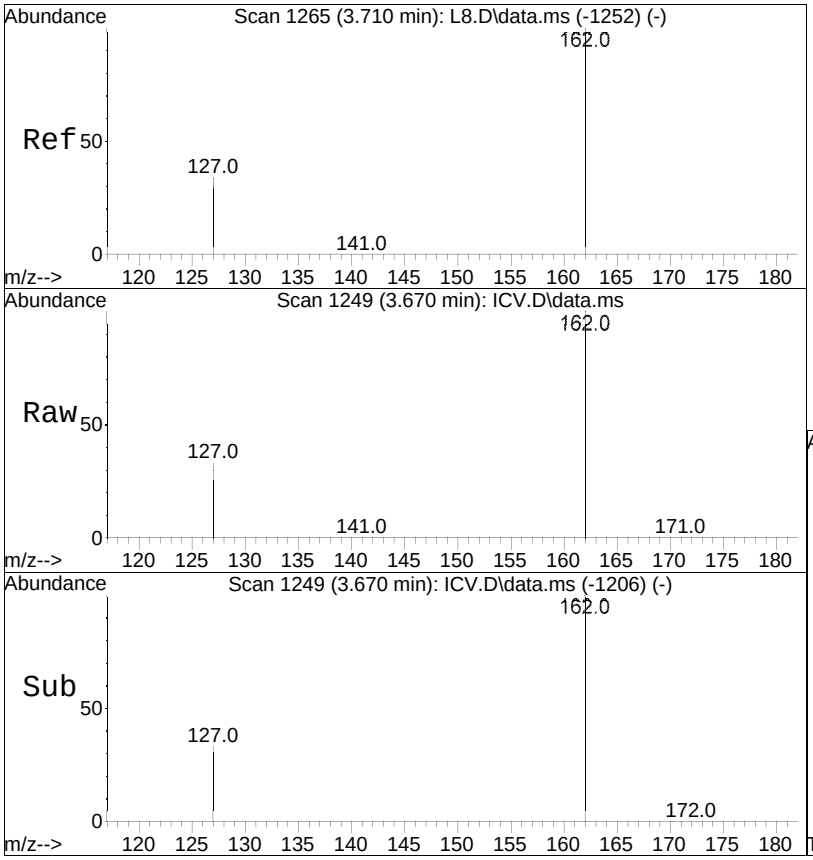


#12
1-Methylnaphthalene
Concen: 1067.84 ng/ml
RT: 3.454 min Scan# 1136
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:142 Resp: 281151

Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.8	110.6

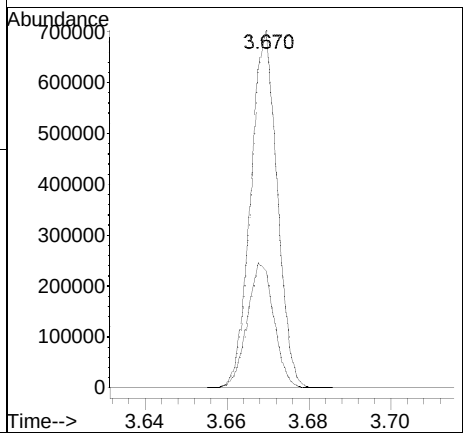


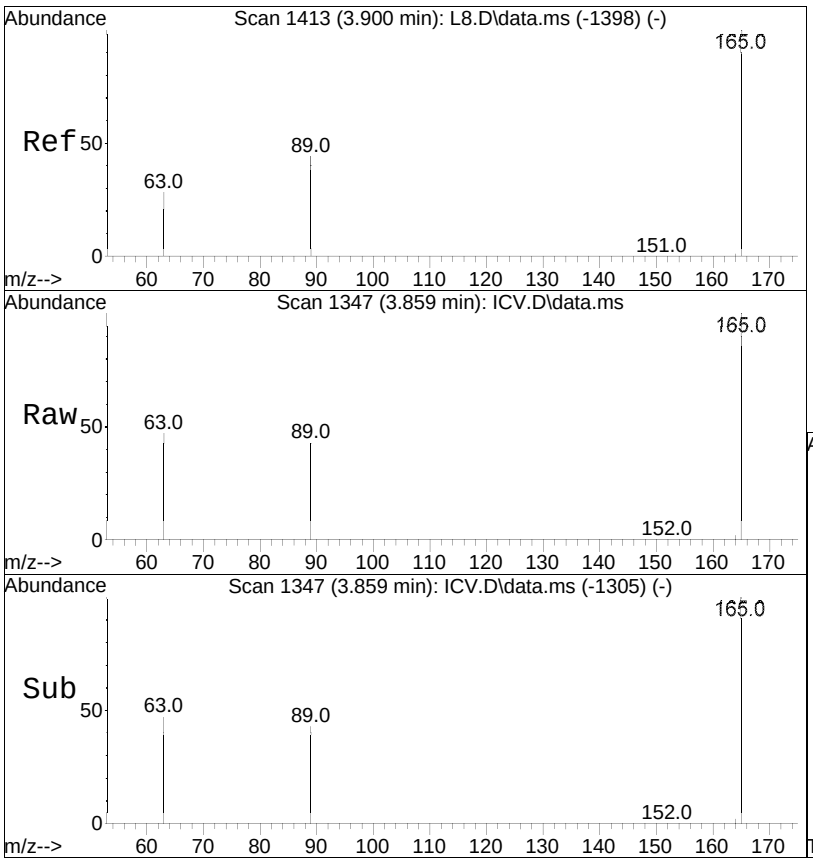


#14
2-Chloronaphthalene
Concen: 1048.85 ng/ml
RT: 3.670 min Scan# 1249
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:162 Resp: 309748

Ion	Ratio	Lower	Upper
162	100		
127	35.4	27.4	41.0

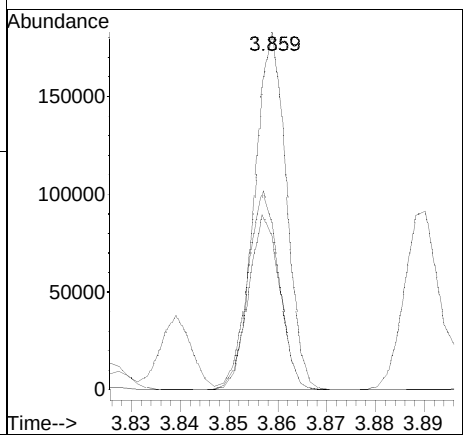


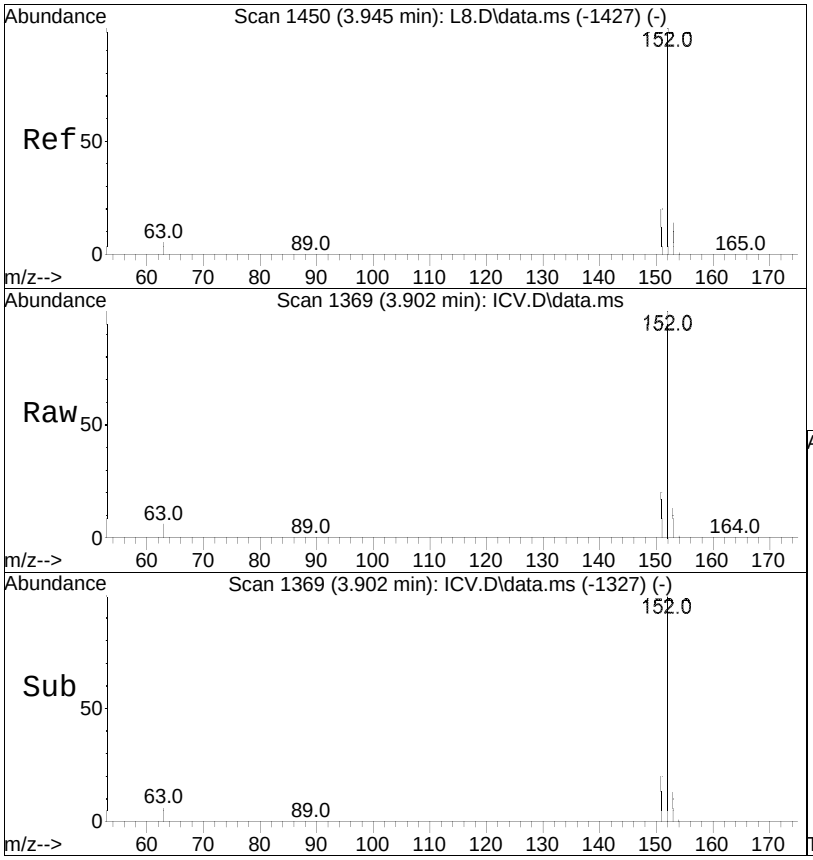


#15
2,6-Dinitrotoluene
Concen: 1129.57 ng/ml
RT: 3.859 min Scan# 1347
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:165 Resp: 82208

Ion	Ratio	Lower	Upper
165	100		
89	49.1	37.8	56.8
63	55.4	36.9	55.3#

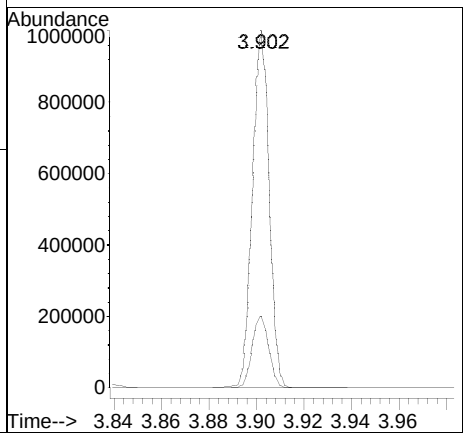


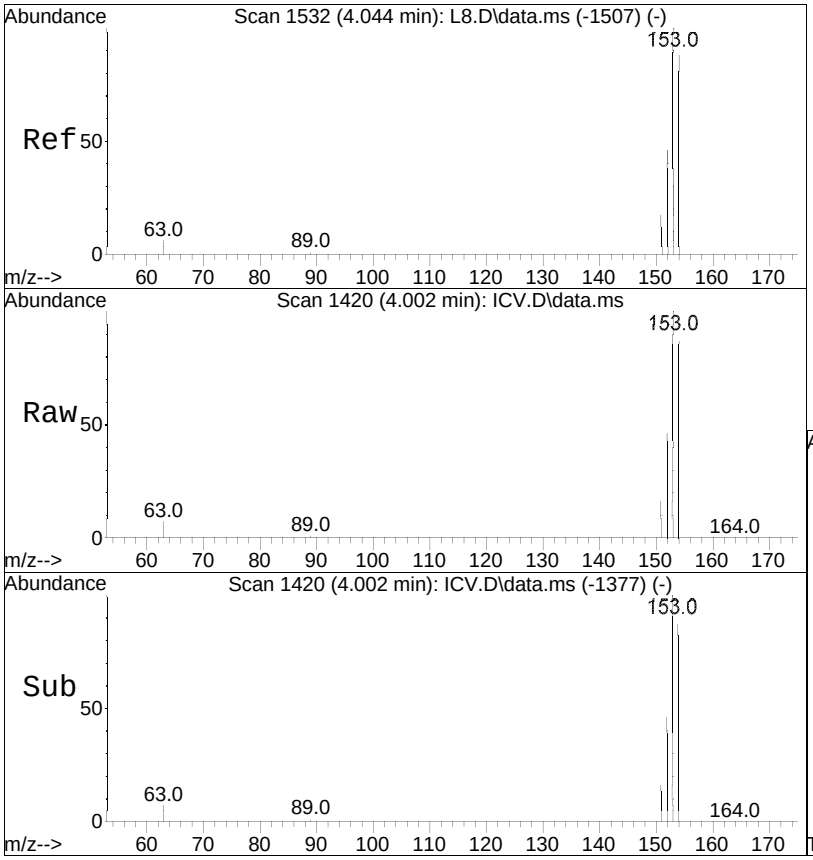


#16
Acenaphthylene
Concen: 1057.72 ng/ml
RT: 3.902 min Scan# 1369
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:152 Resp: 483748

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9

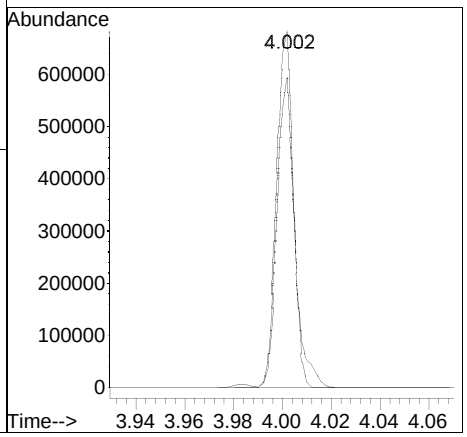


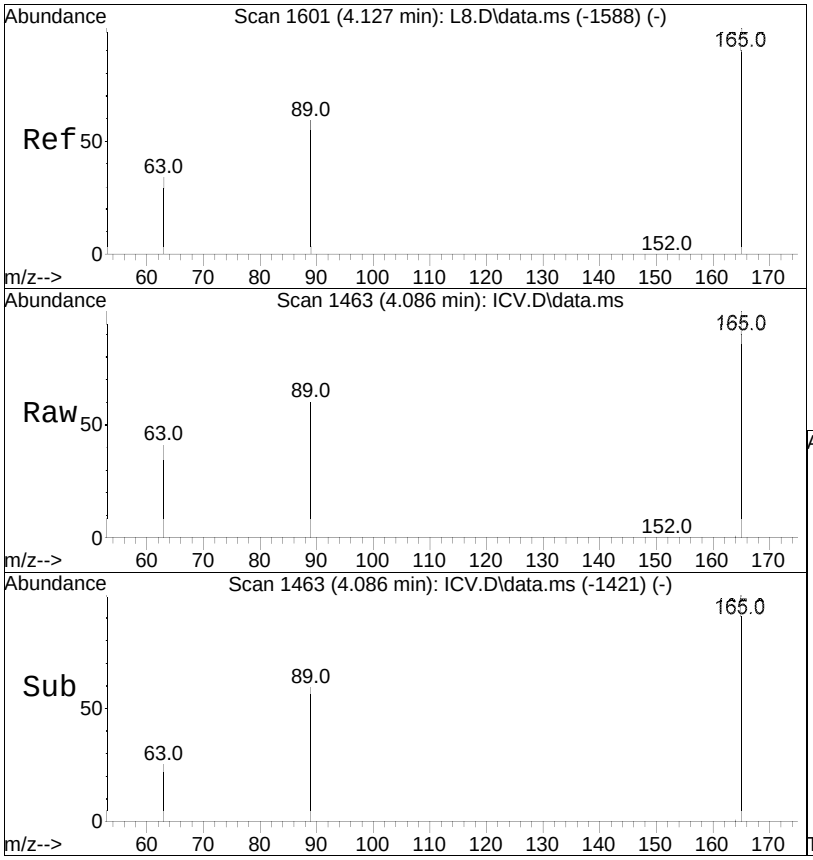


#18
Acenaphthene
Concen: 1042.24 ng/ml
RT: 4.002 min Scan# 1420
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:153 Resp: 319572

Ion	Ratio	Lower	Upper
153	100		
154	92.4	73.1	109.7

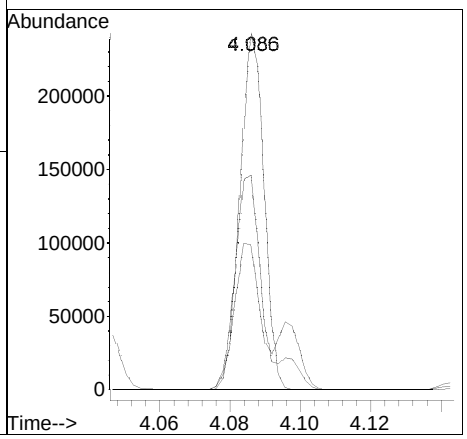


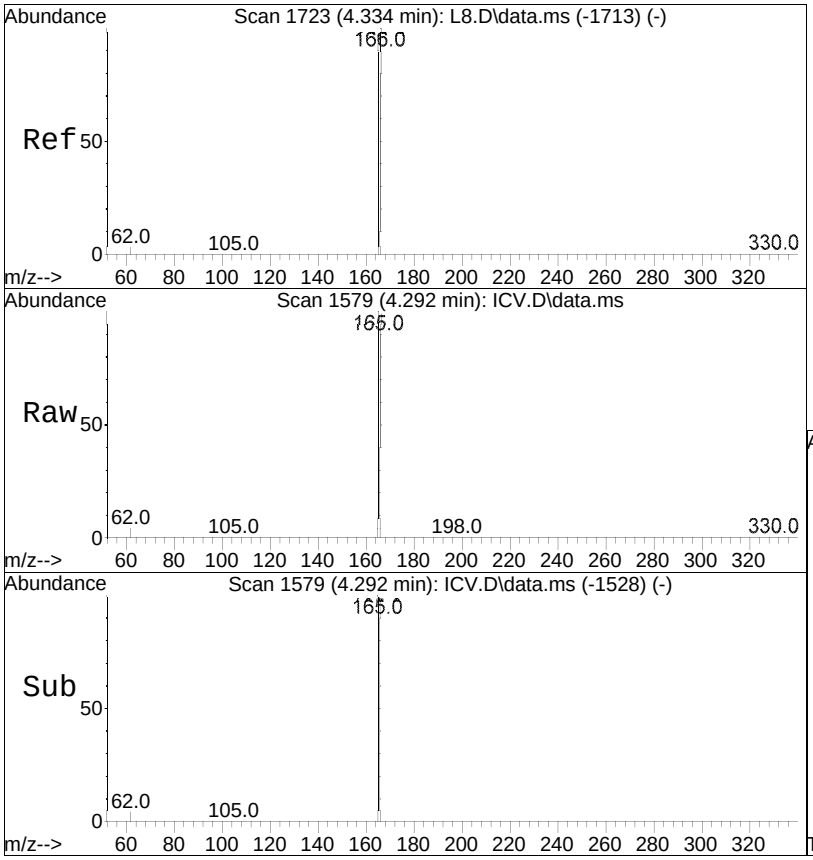


#19
2,4-Dinitrotoluene
Concen: 1169.85 ng/ml
RT: 4.086 min Scan# 1463
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:165 Resp: 114104

Ion	Ratio	Lower	Upper
165	100		
89	64.3	48.7	73.1
63	44.5	28.6	42.8#

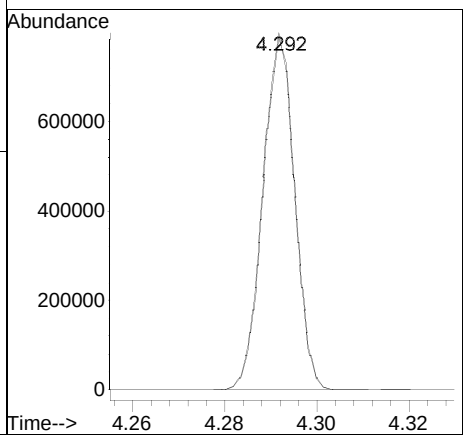


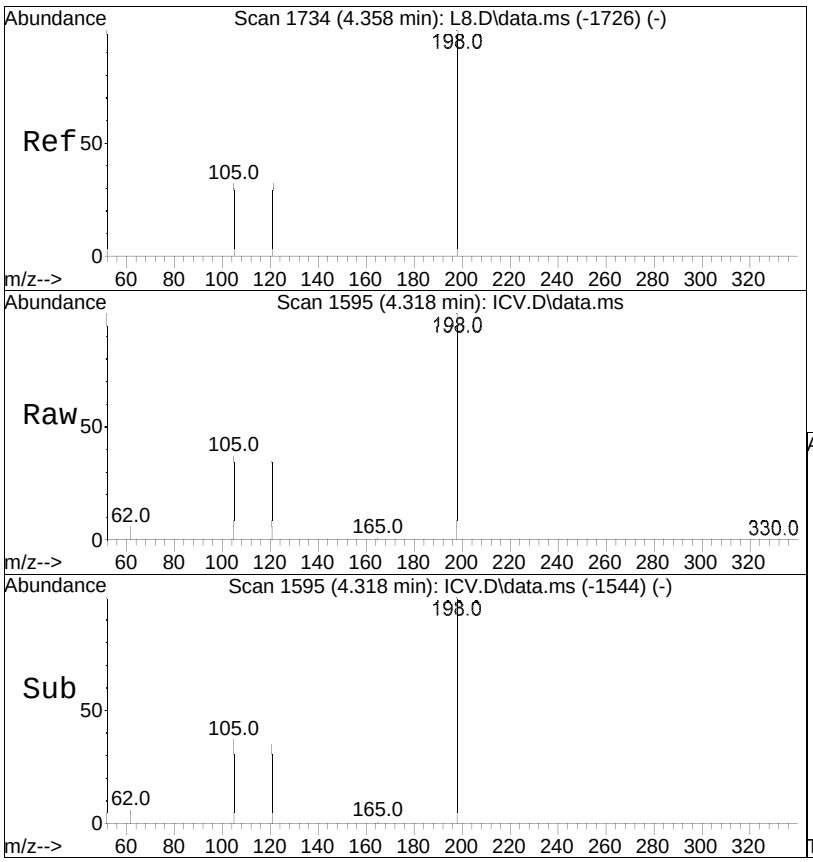


#20
Fluorene
Concen: 1072.35 ng/ml
RT: 4.292 min Scan# 1579
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:166 Resp: 377766

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.8	116.8

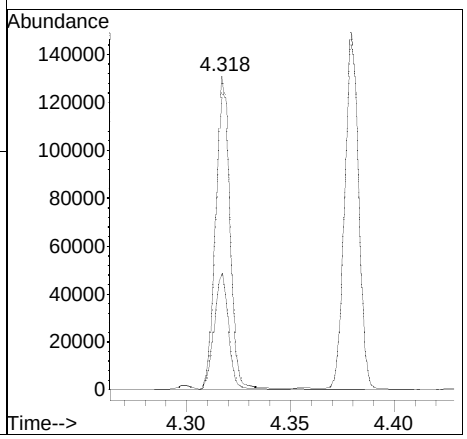


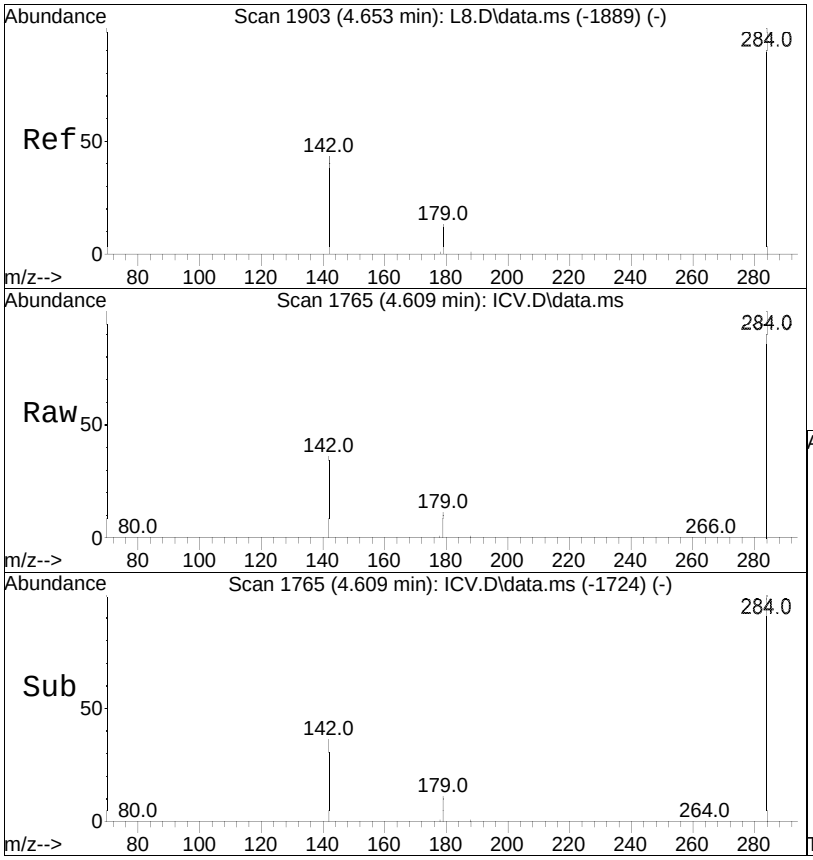


#23
4,6-Dinitro-o-cresol
Concen: 995.82 ng/ml
RT: 4.318 min Scan# 1595
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:198 Resp: 63393

Ion	Ratio	Lower	Upper
198	100		
105	36.5	30.6	45.8

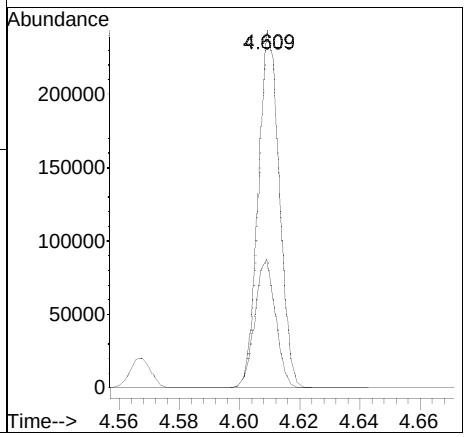


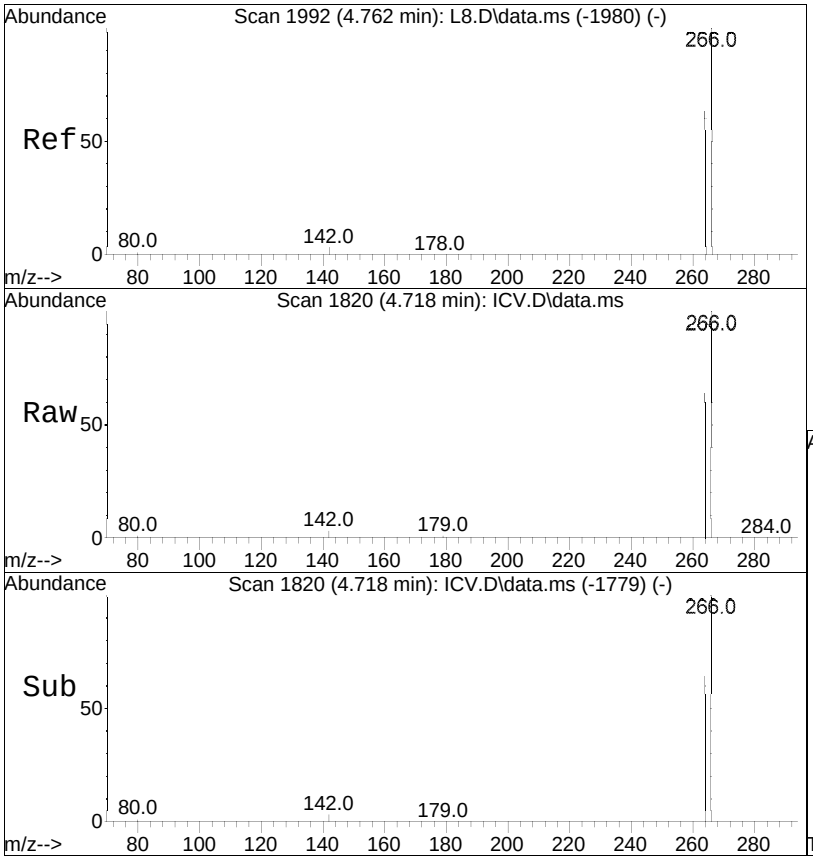


#24
Hexachlorobenzene
Concen: 1019.10 ng/ml
RT: 4.609 min Scan# 1765
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:284 Resp: 116516

Ion	Ratio	Lower	Upper
284	100		
142	35.7	33.8	50.6

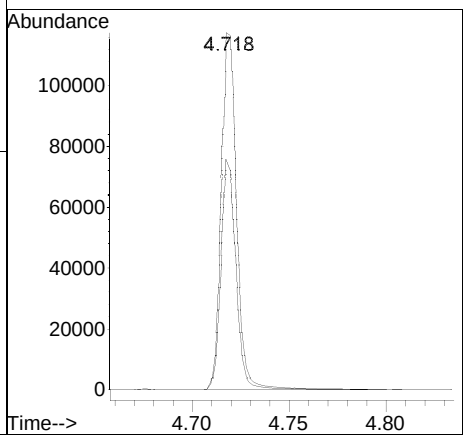


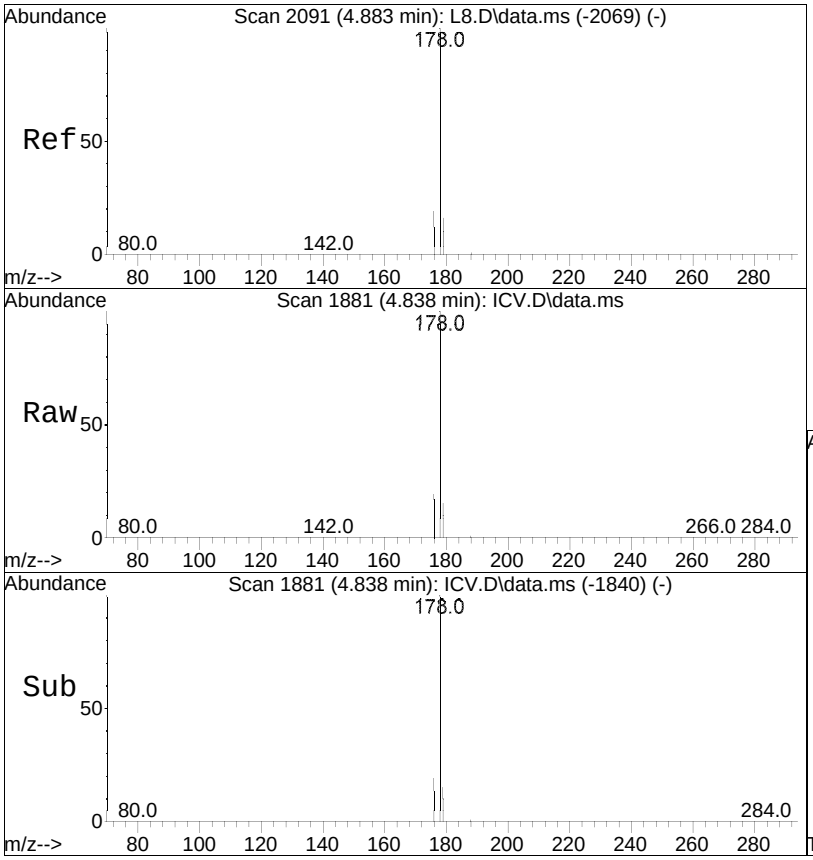


#25
Pentachlorophenol
Concen: 1104.28 ng/ml
RT: 4.718 min Scan# 1820
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:266 Resp: 64222

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.8	76.2

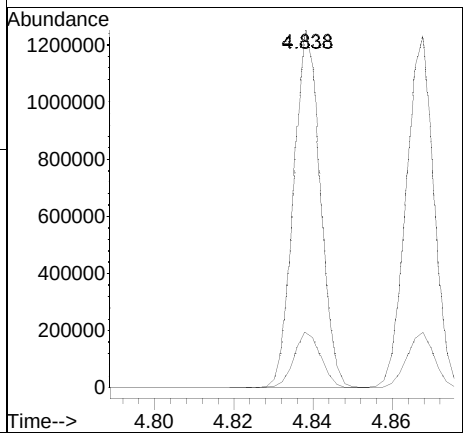


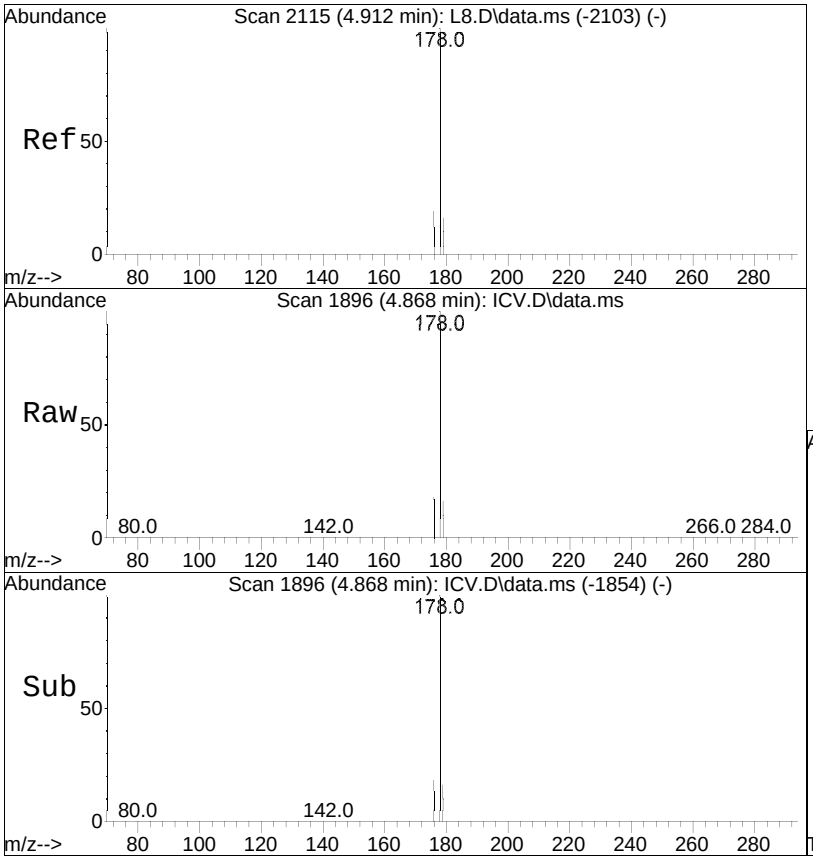


#26
Phenanthrene
Concen: 1039.89 ng/ml
RT: 4.838 min Scan# 1881
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:178 Resp: 589743

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.8	19.2

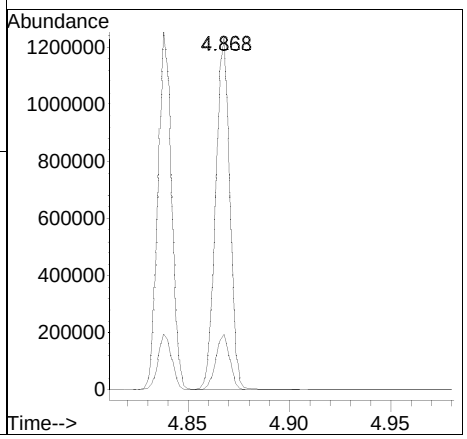


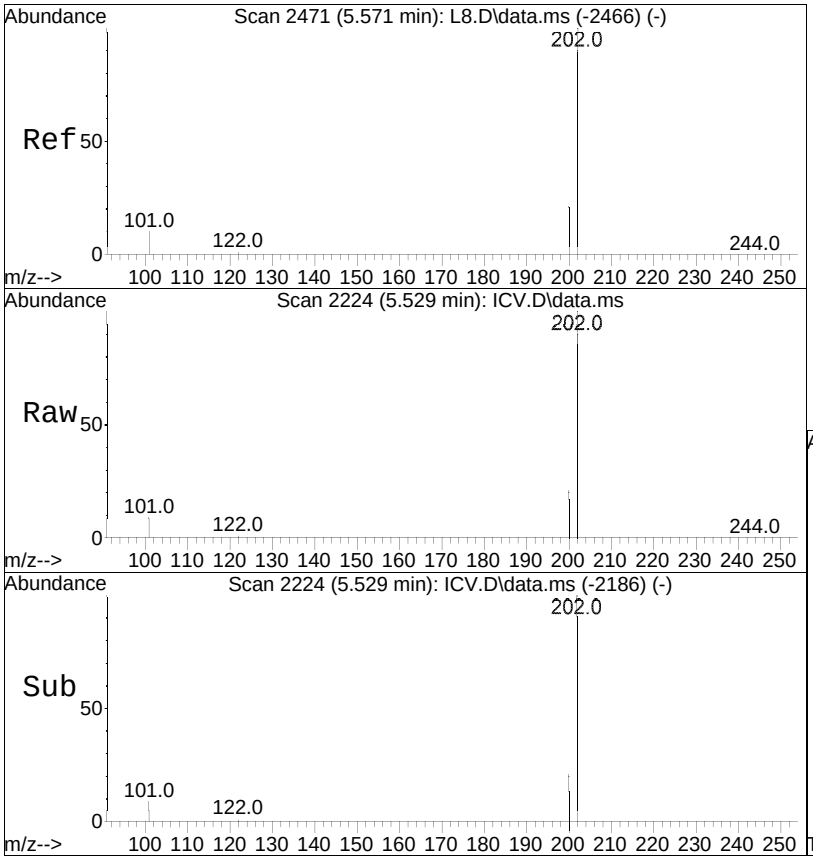


#27
Anthracene
Concen: 1059.50 ng/ml
RT: 4.868 min Scan# 1896
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:178 Resp: 602433

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8

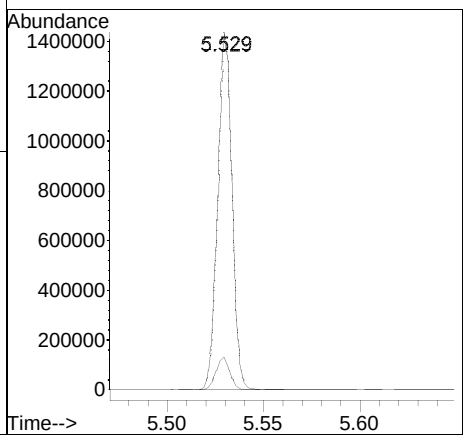


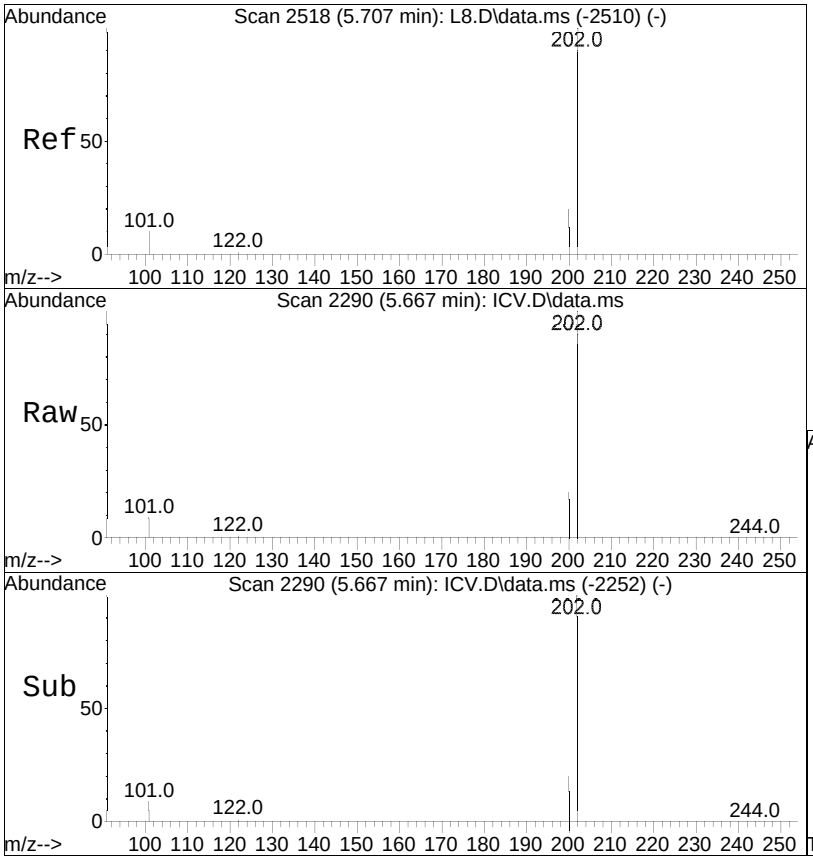


#28
Fluoranthene
Concen: 1022.92 ng/ml
RT: 5.529 min Scan# 2224
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:202 Resp: 725789

Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.2	12.2

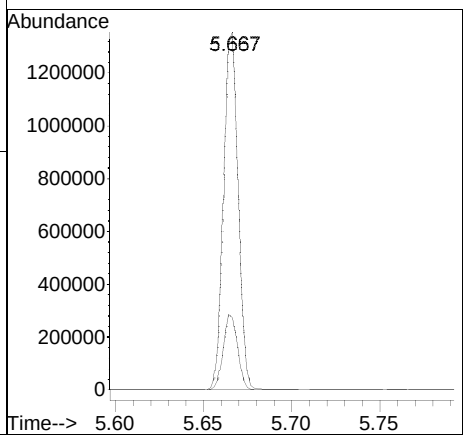


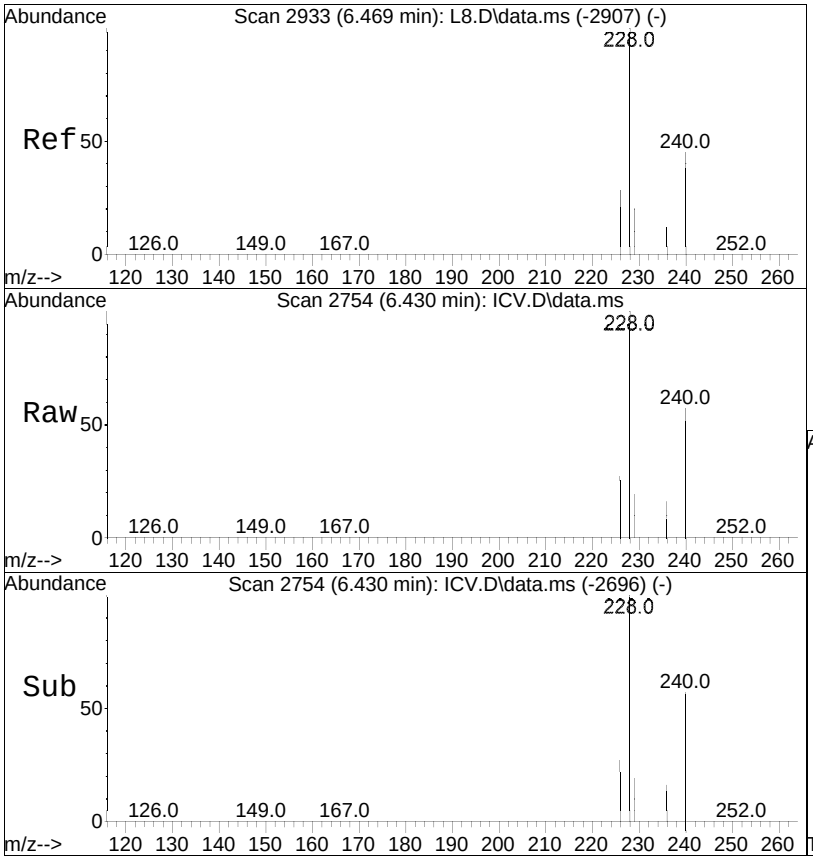


#29
Pyrene
Concen: 1043.13 ng/ml
RT: 5.667 min Scan# 2290
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:202 Resp: 763953

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3

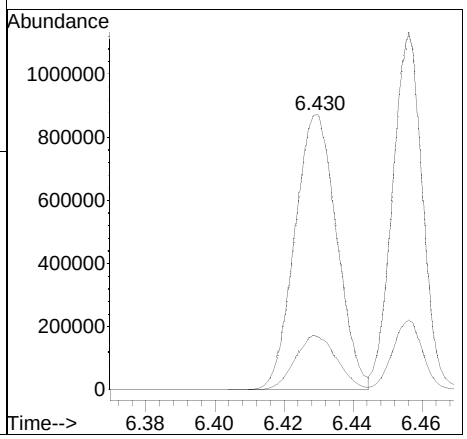


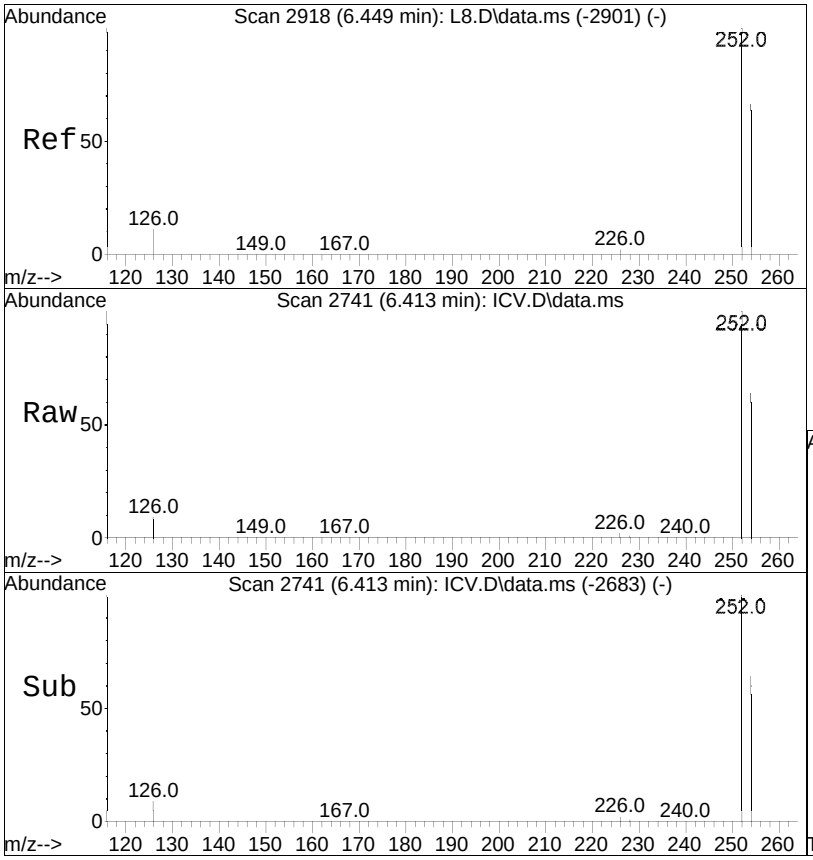


#32
Benzo[a]anthracene
Concen: 1090.32 ng/ml
RT: 6.430 min Scan# 2754
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:228 Resp: 734331

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9

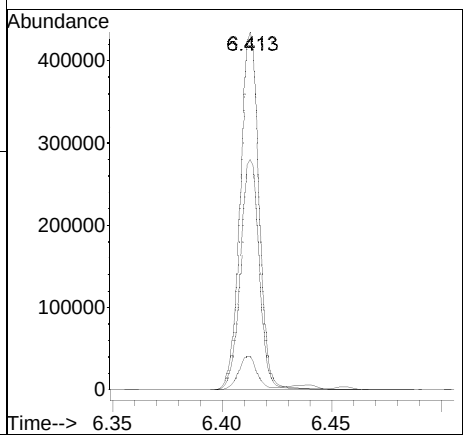


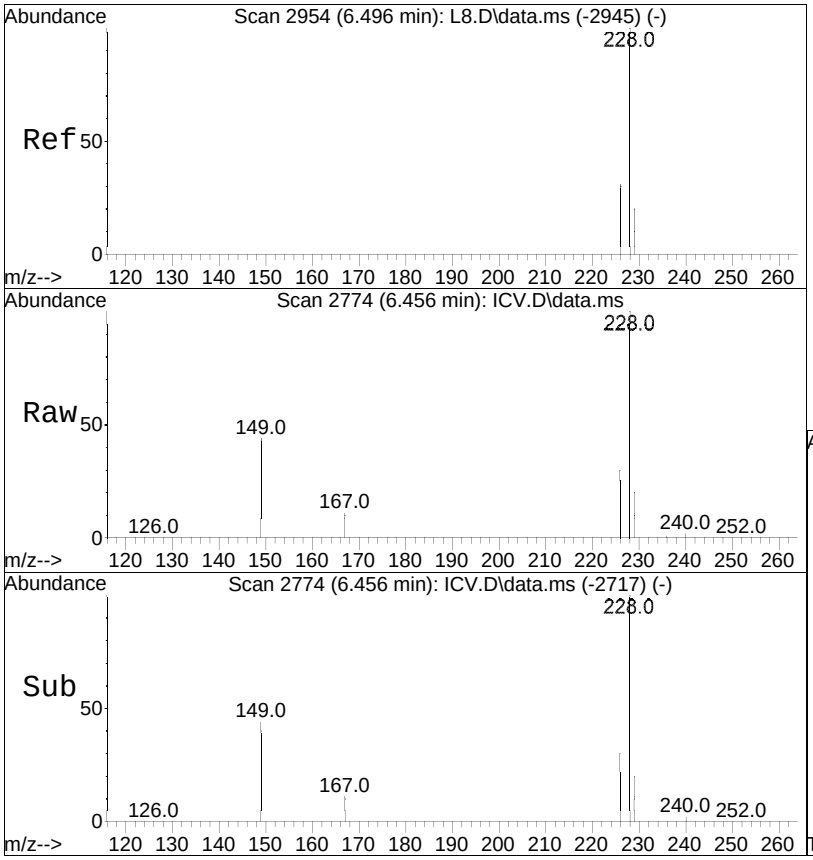


#33
3,3'-Dichlorobenzidine
Concen: 1066.31 ng/ml
RT: 6.413 min Scan# 2741
Delta R.T. -0.004 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:252 Resp: 255382

Ion	Ratio	Lower	Upper
252	100		
126	9.4	8.6	13.0
254	64.6	51.8	77.8

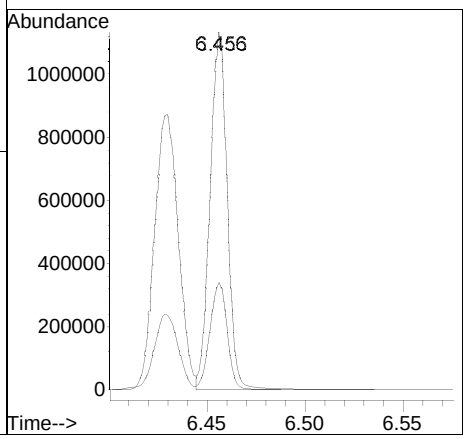


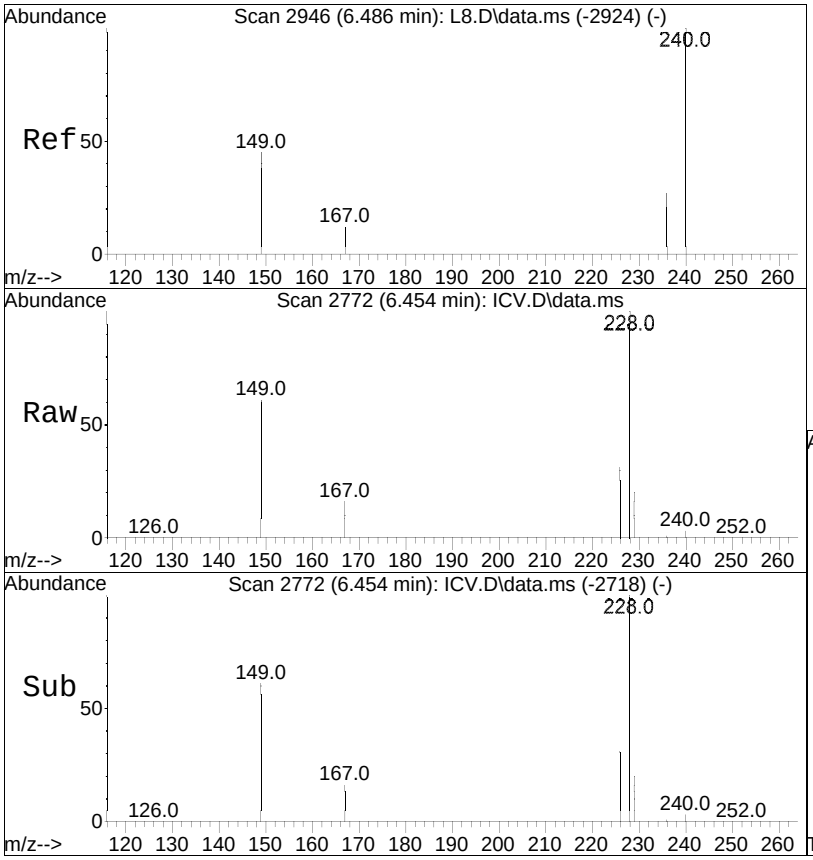


#34
Chrysene
Concen: 1049.40 ng/ml
RT: 6.456 min Scan# 2774
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:228 Resp: 687425

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6

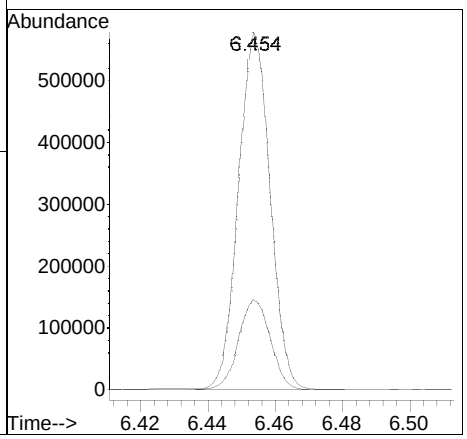


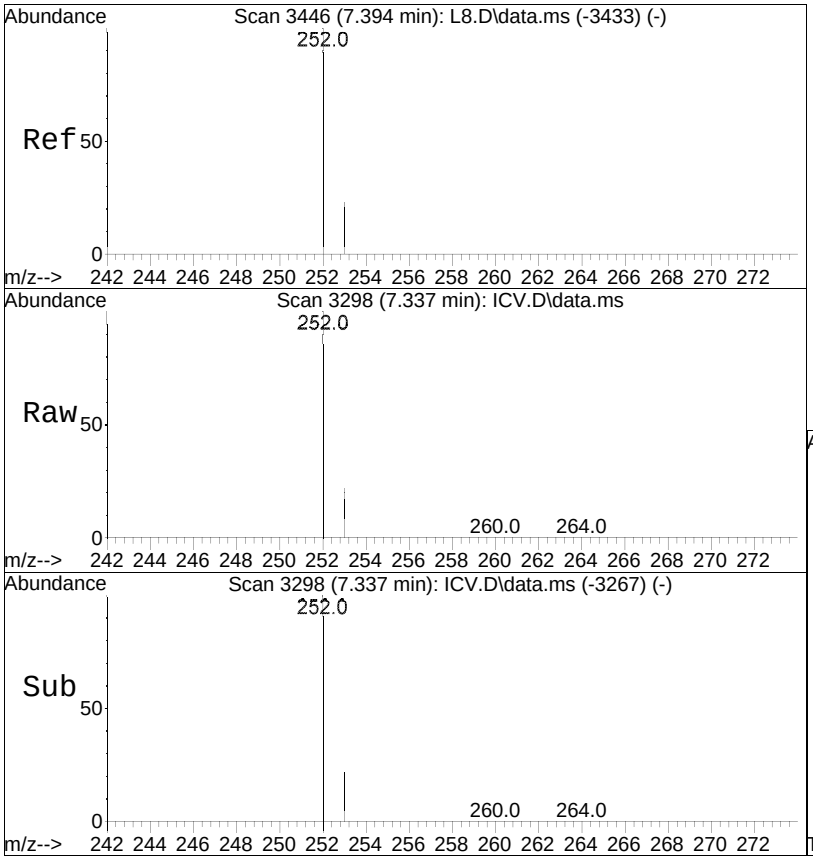


#35
Bis(2-ethylhexyl)phthalate
Concen: 1102.02 ng/ml
RT: 6.454 min Scan# 2772
Delta R.T. -0.009 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:149 Resp: 374501

Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.7	31.1

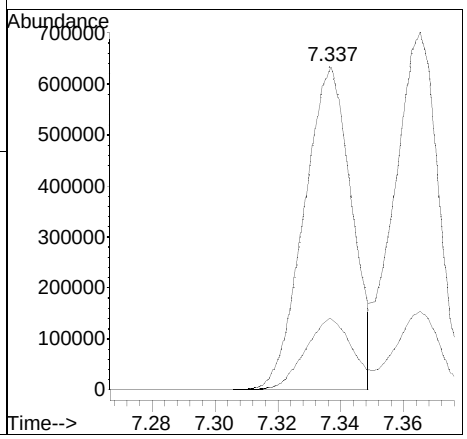


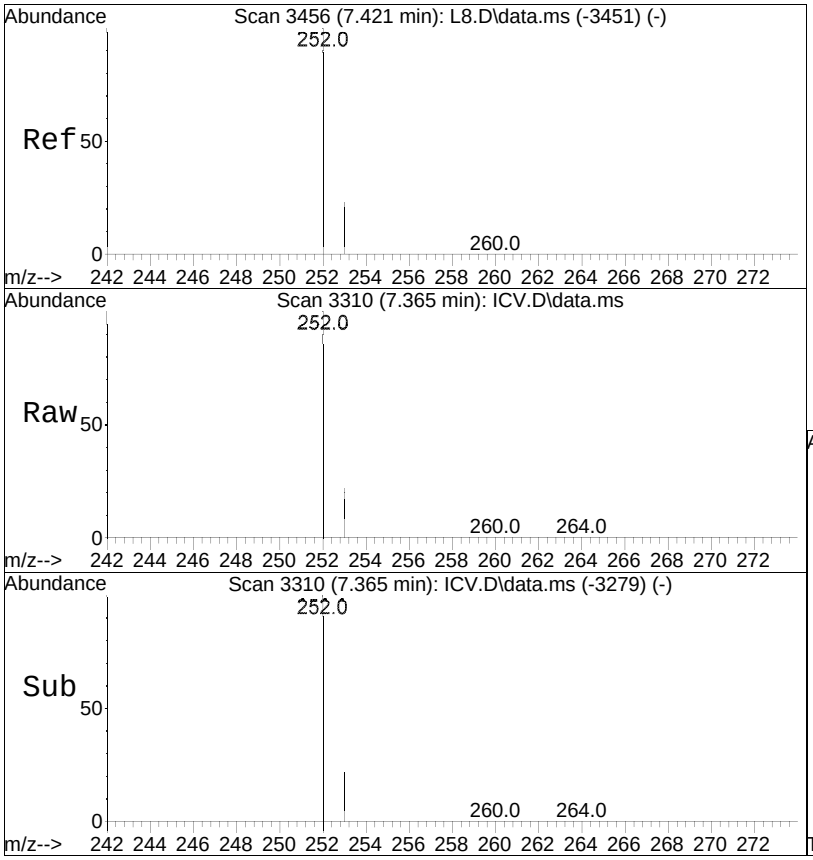


#37
Benzo[b]fluoranthene
Concen: 1060.06 ng/ml
RT: 7.337 min Scan# 3298
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:252 Resp: 664339

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1

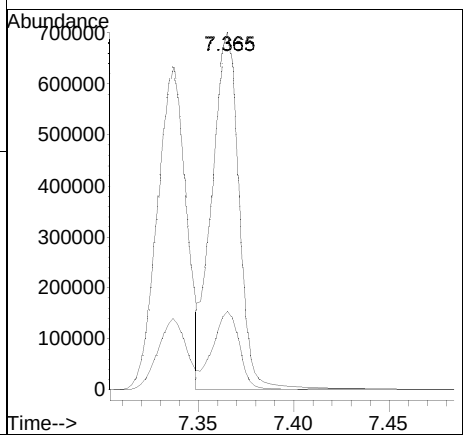


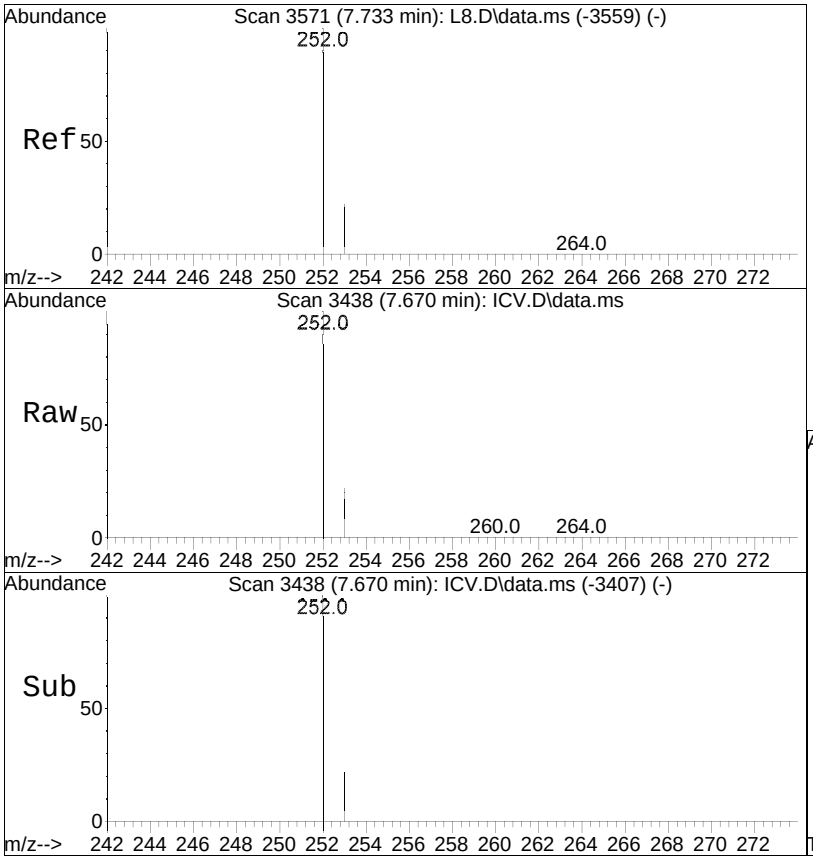


#38
Benzo[k]fluoranthene
Concen: 1120.26 ng/ml
RT: 7.365 min Scan# 3310
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:252 Resp: 692334

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2

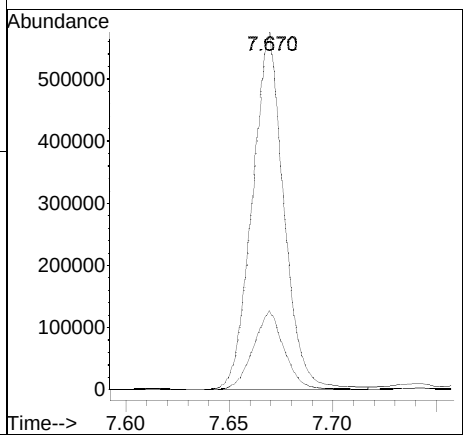


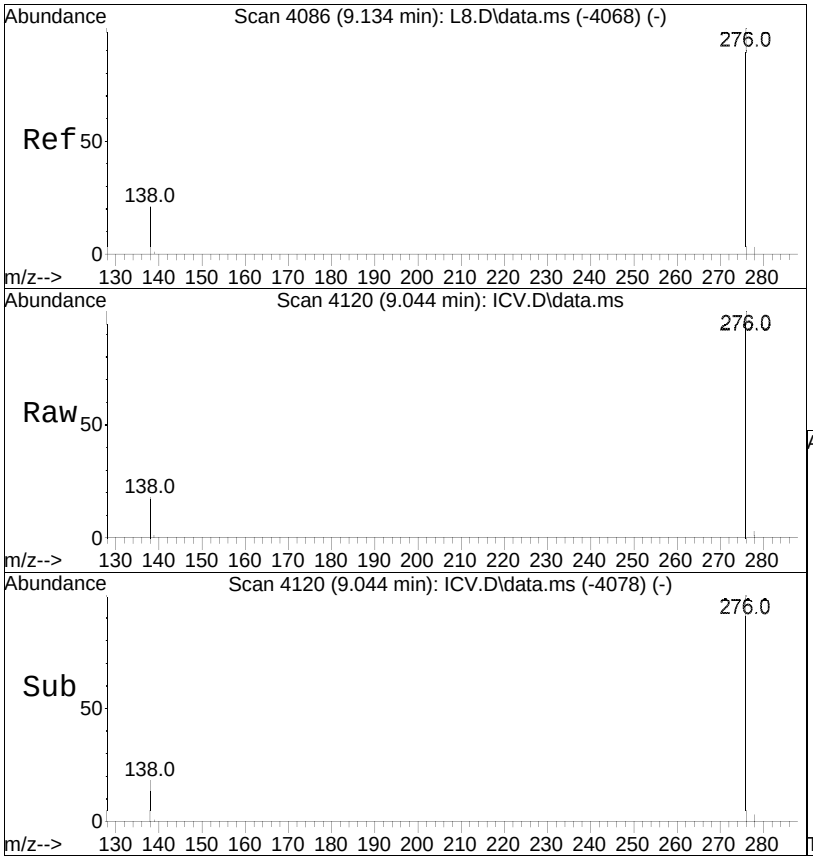


#39
Benzo[a]pyrene
Concen: 1129.74 ng/ml
RT: 7.670 min Scan# 3438
Delta R.T. -0.006 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:252 Resp: 600762

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9

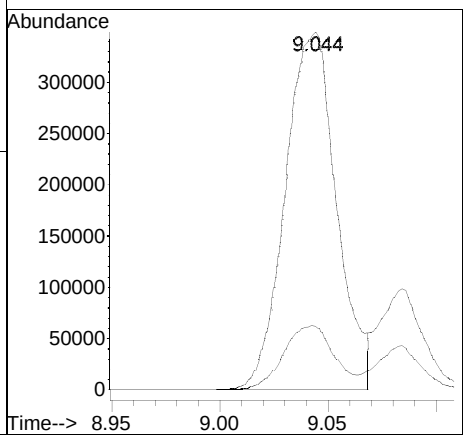


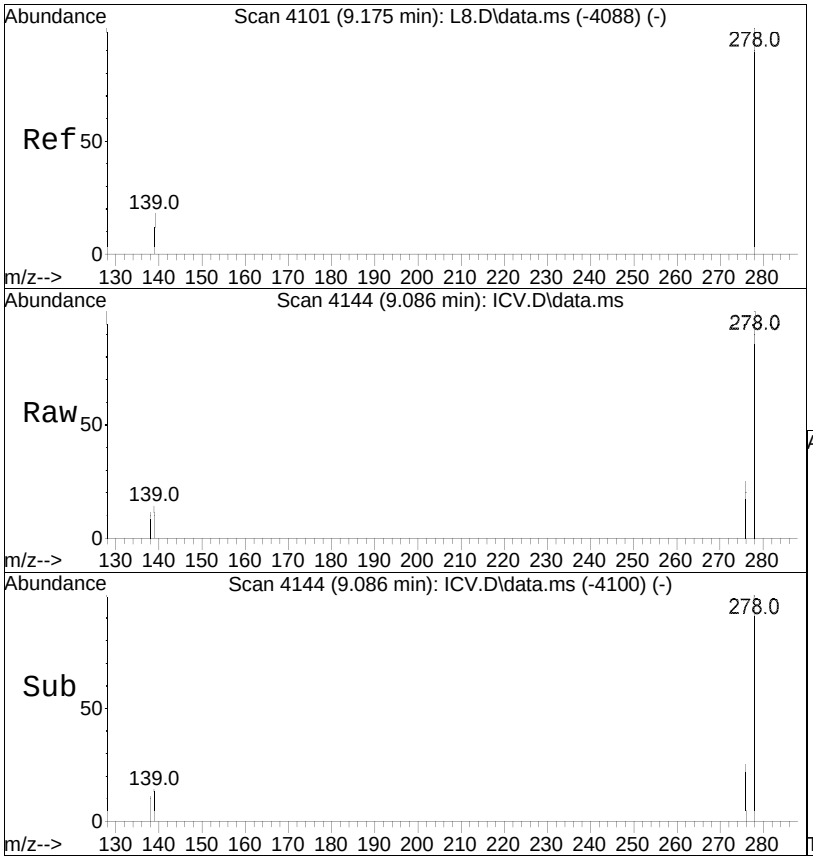


#40
Indeno[1,2,3-cd]pyrene
Concen: 1108.58 ng/ml
RT: 9.044 min Scan# 4120
Delta R.T. -0.008 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:276 Resp: 570718

Ion	Ratio	Lower	Upper
276	100		
138	17.8	16.9	25.3

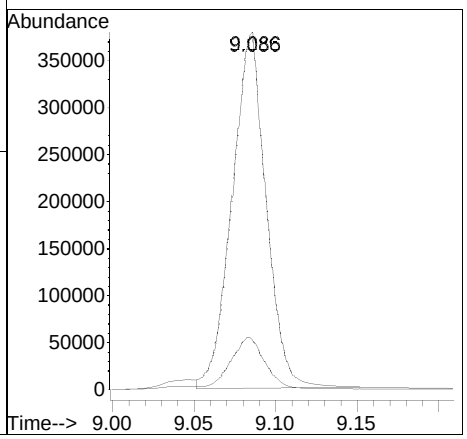


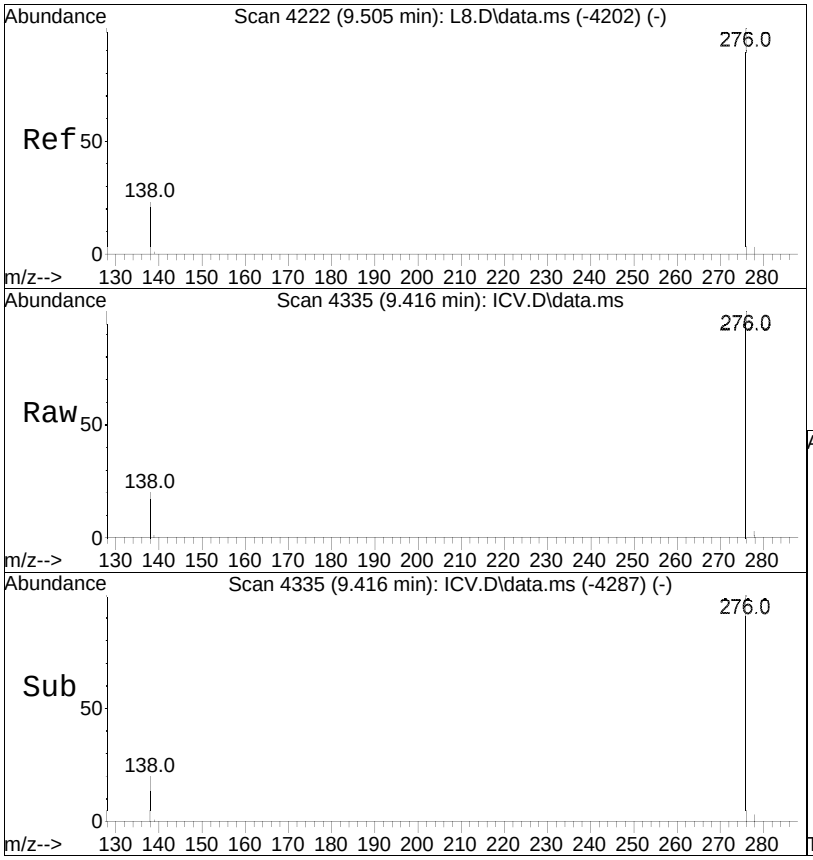


#41
Dibenzo[a,h]anthracene
Concen: 1143.97 ng/ml
RT: 9.086 min Scan# 4144
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:278 Resp: 546347

Ion	Ratio	Lower	Upper
278	100		
139	14.8	14.6	22.0

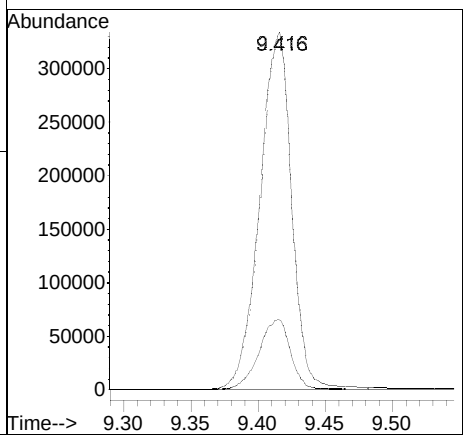




#42
Benzo[g,h,i]perylene
Concen: 1106.01 ng/ml
RT: 9.416 min Scan# 4335
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 29 Dec 2024 04:26 pm

Tgt Ion:276 Resp: 541938

Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.6	28.0



Manual Integration Report

Data Path	: I:\8270SIM\sv119\241229RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: ICV.D	Operator	: sv119:jjw
Date Inj'd	: 12/29/2024 4:26 pm	Instrument	: SV119
Sample	: CQICV,32,, #10884 1000 ng/	Quant Date	: 12/31/2024 4:06 pm

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

Evaluate Relative Error Report SV119

Method Path : I:\8270SIM\sv119\241229RVTical\
Method File : SIM-RVT_241229_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Dec 30 14:10:06 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	928.938	-7.1	40.00	51.908	29.8
25 T	Pentachlorophenol	Q	ng/ml	1000.0	975.015	-2.5	10.00	12.918	29.2
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	993.722	-0.6	1.00	0.997	-0.3
33 T	3,3'-Dichlorobenzidine	L	ng/ml	1000.0	900.458	-10.0	40.00	53.130	32.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
23 T	4,6-Dinitro-o-cresol	Linear	0.997522	0.000000	0.134994	-0.000924672
25 T	Pentachlorophenol	Quadratic	0.996099	0.027892	0.111421	0.00022454
32 T	Benzo[a]anthracene	Linear	0.999536	0.000000	1.40593	0.00274239
33 T	3,3'-Dichlorobenzidine	Linear	0.996198	0.000000	0.516632	-0.00349123

Response Factor Report SV118

Method Path : I:\8270SIM\SV118\250203RVTical\
Method File : SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Feb 10 09:31:08 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

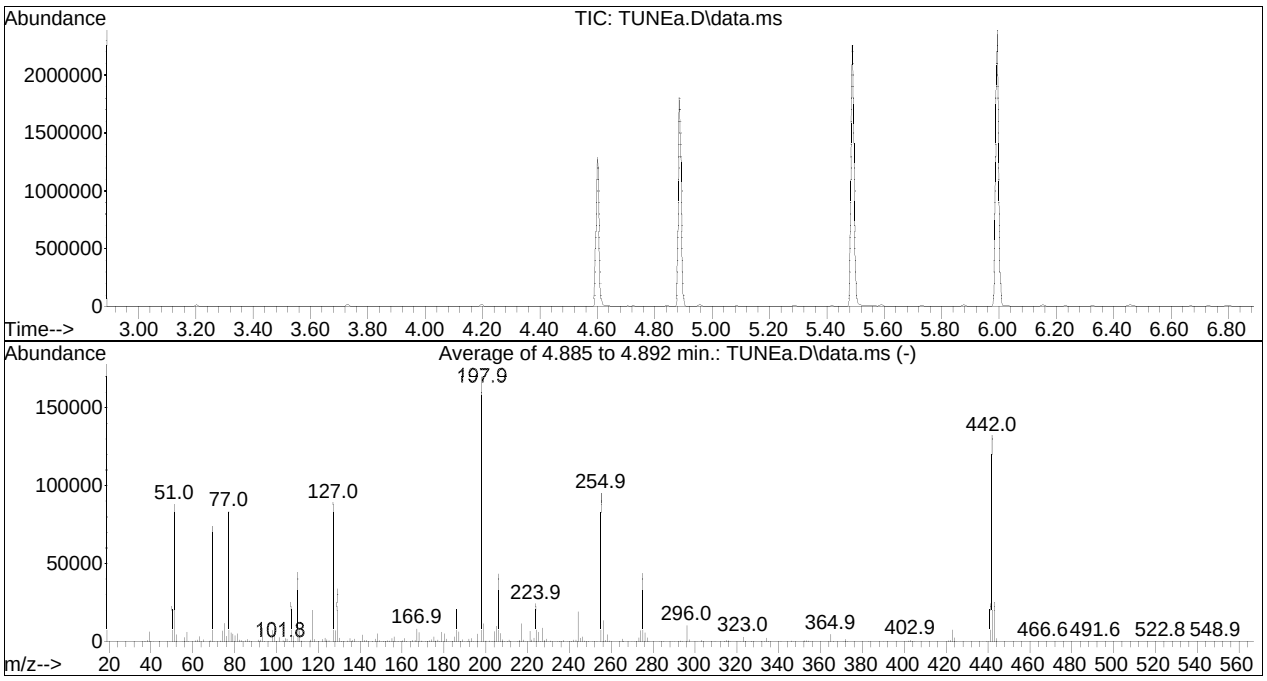
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.239	1.204	1.243	1.241	1.289	1.259	1.229	1.173	1.131	1.223		3.88
3)	s	Phenol-d6	1.538	1.428	1.427	1.436	1.495	1.503	1.482	1.446	1.435	1.466		2.72
4)	T	bis(2-Chloroethyl)ether	1.452	1.310	1.318	1.349	1.310	1.269	1.206	1.195	1.301			6.29
5)	T	n-Nitrosodi-n-propylamine	0.803	0.785	0.765	0.784	0.828	0.882	0.885	0.888	0.892	0.835		6.26
6)	t	Hexachloroethane	0.559	0.549	0.537	0.556	0.556	0.546	0.528	0.523	0.544			2.49
7)	s	Nitrobenzene-d5	1.228	1.170	1.104	1.095	1.173	1.220	1.272	1.256	1.232	1.217	1.197	5.04
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.330	1.169	1.168	1.134	1.162	1.130	1.100	1.042	0.996	1.137		8.24
10)	t	Hexachlorobutadiene	0.210	0.207	0.213	0.208	0.204	0.193	0.190	0.204				4.20
11)	t	2-Methylnaphthalene	0.787	0.701	0.704	0.710	0.730	0.723	0.703	0.665	0.643	0.707		5.74
12)	t	1-Methylnaphthalene	0.789	0.712	0.718	0.728	0.748	0.737	0.711	0.675	0.652	0.719		5.54
13)	s	2-Fluorobiphenyl	0.940	0.997	0.878	0.887	0.891	0.906	0.879	0.841	0.788	0.751	0.876	8.03
14)	t	2-Chloronaphthalene	0.807	0.766	0.757	0.780	0.799	0.787	0.762	0.726	0.703	0.765		4.39
15)	t	2,6-Dinitrotoluene	0.137	0.148	0.178	0.184	0.189	0.186	0.170					12.95
16)	t	Acenaphthylene	1.189	1.093	1.083	1.145	1.212	1.269	1.236	1.188	1.115	1.170		5.54
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.578	1.459	1.432	1.440	1.464	1.429	1.400	1.324	1.289	1.424		5.86
19)	t	2,4-Dinitrotoluene	0.305	0.349	0.437	0.456	0.465	0.456	0.411					16.37
20)	t	Fluorene	1.628	1.690	1.541	1.511	1.554	1.609	1.622	1.576	1.494	1.431	1.566	4.82
21)	s	2,4,6-Tribromophenol	0.145	0.144	0.156	0.181	0.212	0.214	0.214	0.214	0.185			17.53
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol	0.052	0.072	0.107	0.117	0.128	0.135	*L					0.9973
24)	t	Hexachlorobenzene	0.290	0.264	0.262	0.268	0.279	0.270	0.262	0.246	0.243	0.265		5.57
25)	t	Pentachlorophenol	0.059	0.063	0.088	0.130	0.141	0.152	*Q					0.9979
26)	t	Phenanthrene	1.301	1.264	1.238	1.198	1.247	1.255	1.227	1.190	1.126	1.066	1.211	5.77
27)	t	Anthracene	1.273	1.263	1.156	1.156	1.189	1.236	1.258	1.223	1.160	1.107	1.202	4.68
28)	t	Fluoranthene	1.511	1.425	1.362	1.286	1.392	1.419	1.448	1.388	1.331	1.231	1.379	5.88
29)	t	Pyrene	1.550	1.470	1.410	1.321	1.447	1.470	1.517	1.456	1.370	1.262	1.427	6.19
30)	s	4-Terphenyl-d14	1.052	0.994	0.932	0.865	0.947	0.960	0.967	0.913	0.868	0.794	0.929	7.91
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene	0.534	0.436	0.390	0.392	0.411	0.408	0.403	0.407	0.423			11.16
33)	t	3,3'-Dichlorobenzidine	0.419	0.456	0.550	0.578	0.600	0.604	0.534					14.68
34)	t	Chrysene	1.390	1.357	1.364	1.358	1.421	1.446	1.429	1.385	1.338	1.314	1.380	3.05
35)	T	bis(2-Ethylhexyl)phthalate	0.556	0.603	0.795	0.883	0.958	0.999	*L					0.9974
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.338	1.316	1.277	1.249	1.270	1.349	1.381	1.342	1.317	1.321	1.316	3.06
38)	t	Benzo[k]fluora...	1.173	1.259	1.124	1.188	1.219	1.299	1.367	1.346	1.282	1.266	1.252	6.13
39)	t	Benzo[a]pyrene	1.037	1.021	0.982	1.006	1.029	1.103	1.191	1.200	1.187	1.195	1.095	8.21
40)	t	Indeno[1,2,3-c...	0.884	0.863	0.888	0.902	0.951	1.005	1.060	1.074	1.111	0.971		9.69
41)	t	Dibenzo[a,h]anthracene	0.886	0.835	0.786	0.834	0.875	0.960	1.026	1.058	1.046	1.066	0.937	11.36
42)	t	Benzo[g,h,i]pe...	0.942	0.922	0.936	0.985	1.052	1.079	1.110	1.092	1.115	1.026		7.75

(#) = Out of Range

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Feb 07 14:32:24 2025



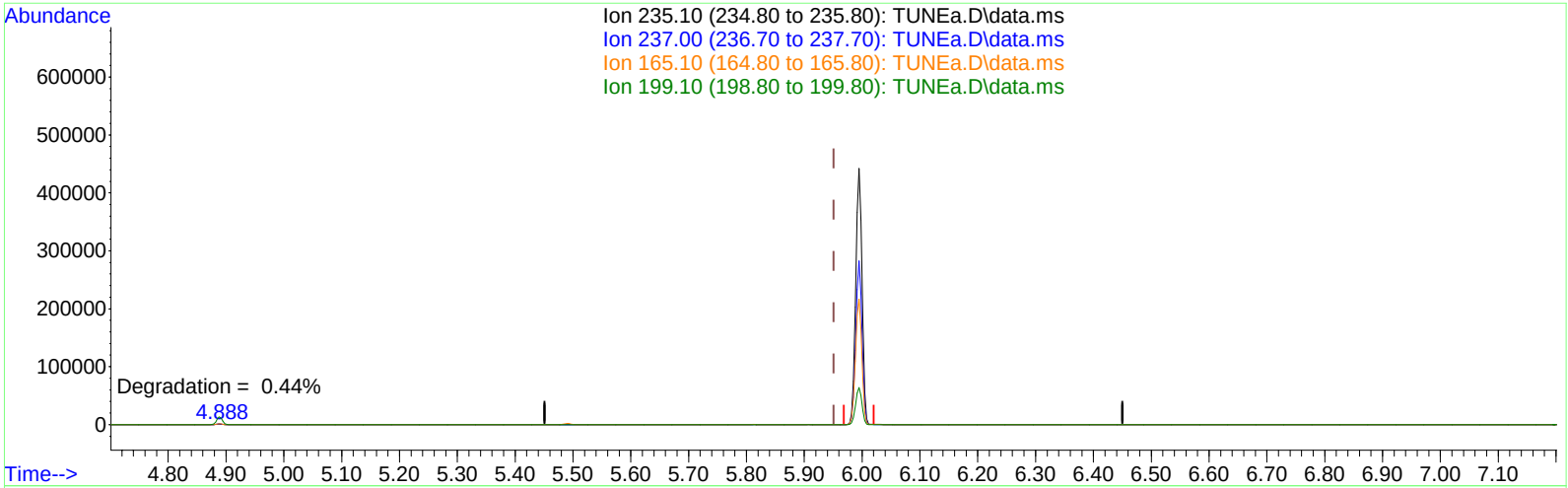
Spectrum Information: Average of 4.885 to 4.892 min.

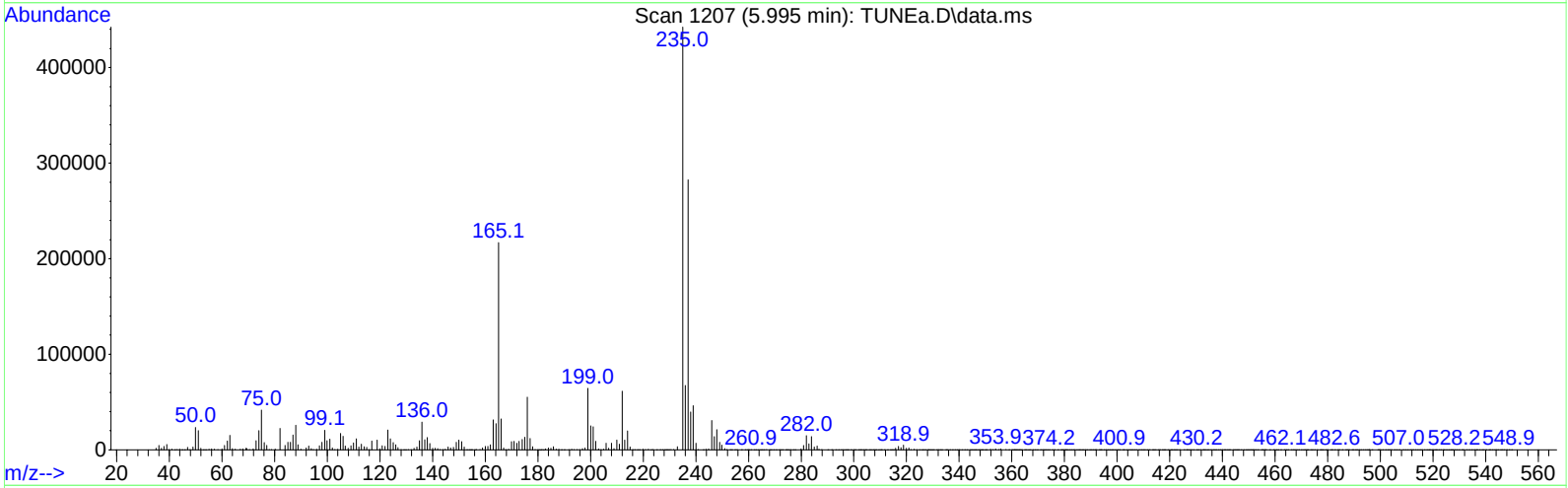
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.0	88032	PASS
68	69	0.00	2	1.4	1027	PASS
69	69	100	100	100.0	73990	PASS
70	69	0.00	2	0.6	413	PASS
127	198	10	80	52.5	88923	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	169344	PASS
199	198	5	9	6.8	11569	PASS
275	198	10	60	25.7	43466	PASS
365	198	1	100	2.9	4903	PASS
441	442	0.01	24	18.2	24057	PASS
442	198	50	100	78.0	132025	PASS
443	442	15	24	18.8	24854	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

5.995min (+ 0.044) 54.43

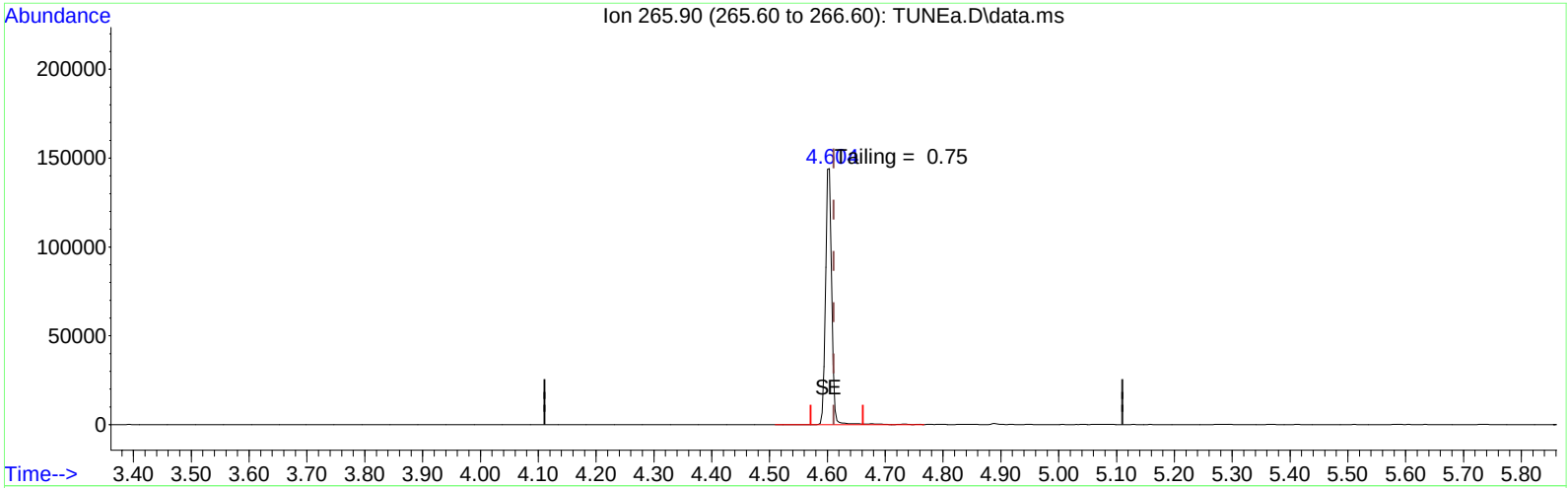
response 331812

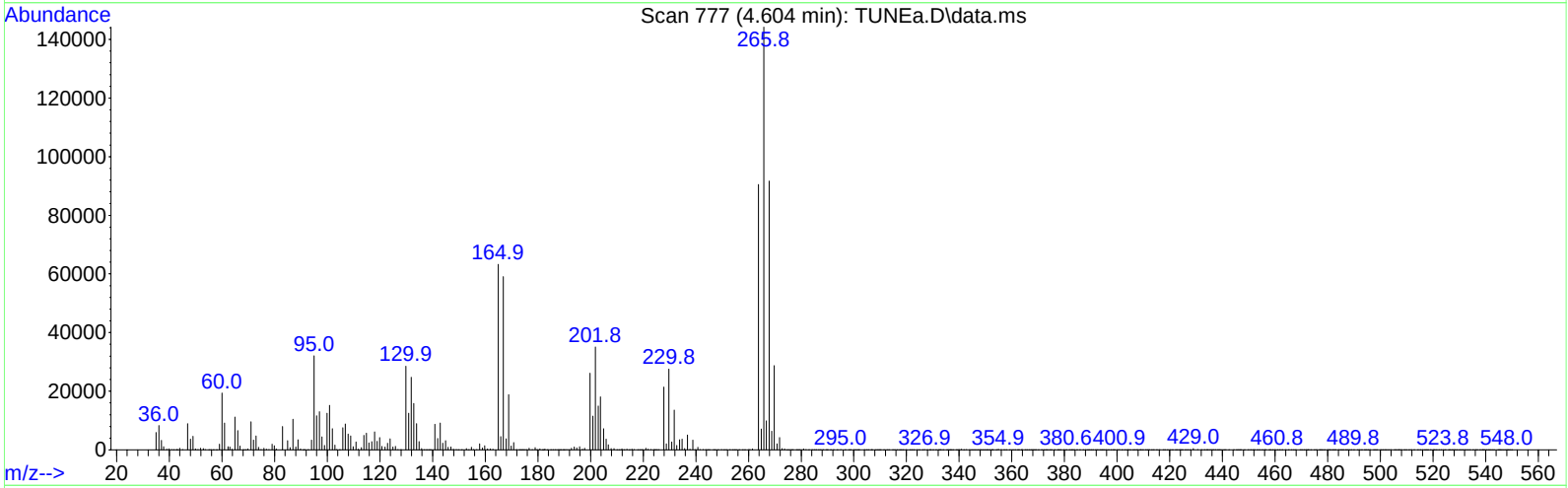
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.48
165.10	53.30	49.34
199.10	17.10	14.51

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.604min (-0.007) 51.67

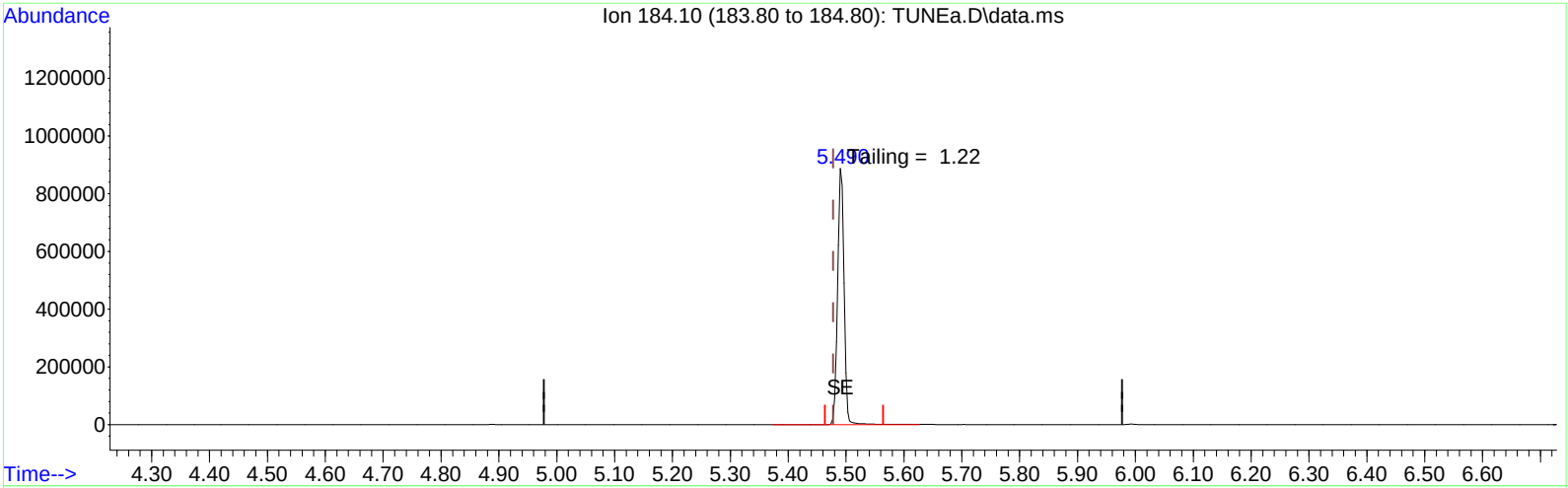
response 108526

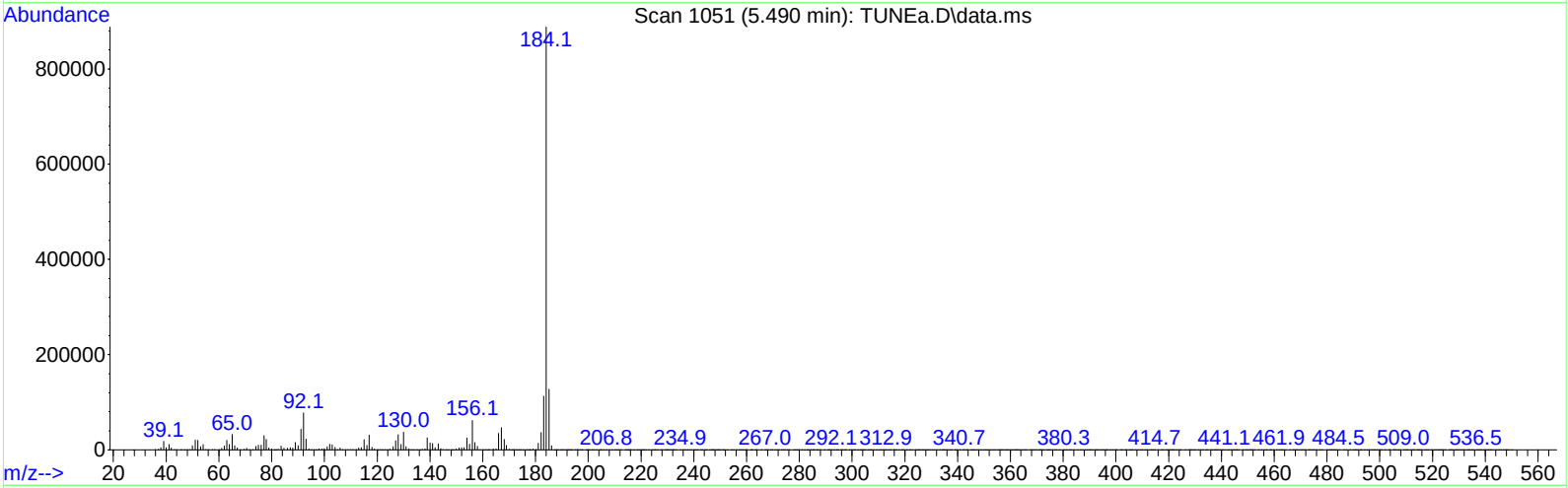
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.490min (+ 0.012) 67.04

response 682518

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.194	152	452197	4000.000	ng/ml	-0.01
Standard Area 1 = 474552			Recovery = 95.29%			
8) Naphthalene-d8	2.860	136	1708889	4000.000	ng/ml	-0.03
Standard Area 1 = 1755733			Recovery = 97.33%			
17) Acenaphthene-d10	3.841	164	959890	4000.000	ng/ml	-0.04
Standard Area 1 = 985911			Recovery = 97.36%			
22) Phenanthrene-d10	4.685	188	1893106	4000.000	ng/ml	-0.04
Standard Area 1 = 1968639			Recovery = 96.16%			
31) Chrysene-d12	6.255	240	1694132	4000.000	ng/ml	-0.02
Standard Area 1 = 1866106			Recovery = 90.78%			
36) Perylene-d12	7.468	264	1693455M4	4000.000	ng/ml	-0.04
Standard Area 1 = 1827508			Recovery = 92.66%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.614	112	639284	4623.256	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 231.16%#			
3) Phenol-d6	2.009	99	811214	4896.212	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 244.81%#			
7) Nitrobenzene-d5	2.478	82	687968	5085.038	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 508.50%#			
13) 2-Fluorobiphenyl	3.461	172	1604831	4288.736	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery = 428.87%#			
21) 2,4,6-Tribromophenol	4.290	330	256213	5770.160	ng/ml	-0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 288.51%#			
30) 4-Terphenyl-d14	5.614	244	1877732	4269.731	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery = 426.97%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.063	93	675718	4593.251	ng/ml	100
5) n-nitrosodi-n-propylamine	2.404	70	504114	5343.512	ng/ml	99
6) Hexachloroethane	2.453	117	295748	4806.130	ng/ml	100
9) Naphthalene	2.871	128	2127755	4381.902	ng/ml	99
10) Hexachlorobutadiene	2.943	225	406590	4676.161	ng/ml	100
11) 2-Methylnaphthalene	3.252	142	1372563	4542.803	ng/ml	99
12) 1-Methylnaphthalene	3.307	142	1392381	4534.462	ng/ml	99
14) 2-Chloronaphthalene	3.524	162	1502213	4595.234	ng/ml	99
15) 2,6-Dinitrotoluene	3.725	165	397823	5461.950	ng/ml	98
16) Acenaphthylene	3.758	152	2382002	4765.250	ng/ml	98
18) Acenaphthene	3.860	153	1546680	4526.279	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.954	165	547074	5545.033	ng/ml	98
20) Fluorene	4.151	166	1717061	4570.298	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.189	198	318883	5162.455	ng/ml	99
24) Hexachlorobenzene	4.472	284	574779	4584.263	ng/ml	98
25) Pentachlorophenol	4.583	266	379430	4565.100	ng/ml	100
26) Phenanthrene	4.699	178	2522705	4395.127	ng/ml	98
27) Anthracene	4.729	178	2620420	4606.134	ng/ml	98
28) Fluoranthene	5.385	202	2913960	4464.170	ng/ml	98
29) Pyrene	5.516	202	2986325	4420.526	ng/ml	98
32) Benzo[a]anthracene	6.247	226	862415	4817.827	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.237	252	1279887	5655.686	ng/ml	99
34) Chrysene	6.275	228	2782067	4759.864	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	6.284	149	2116516	5149.319	ng/ml	98
37) Benzo[b]fluoranthene	7.096	252	2796699	5015.226	ng/ml	99
38) Benzo[k]fluoranthene	7.125	252	2679131M6	5057.114	ng/ml	
39) Benzo[a]pyrene	7.406	252	2529301	5450.456	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.699	276	2352804	5718.907	ng/ml	99
41) Dibenzo[a,h]anthracene	8.738	278	2256830M6	5677.930	ng/ml	
42) Benzo[g,h,i]perylene	9.043	276	2360973M6	5430.963	ng/ml	

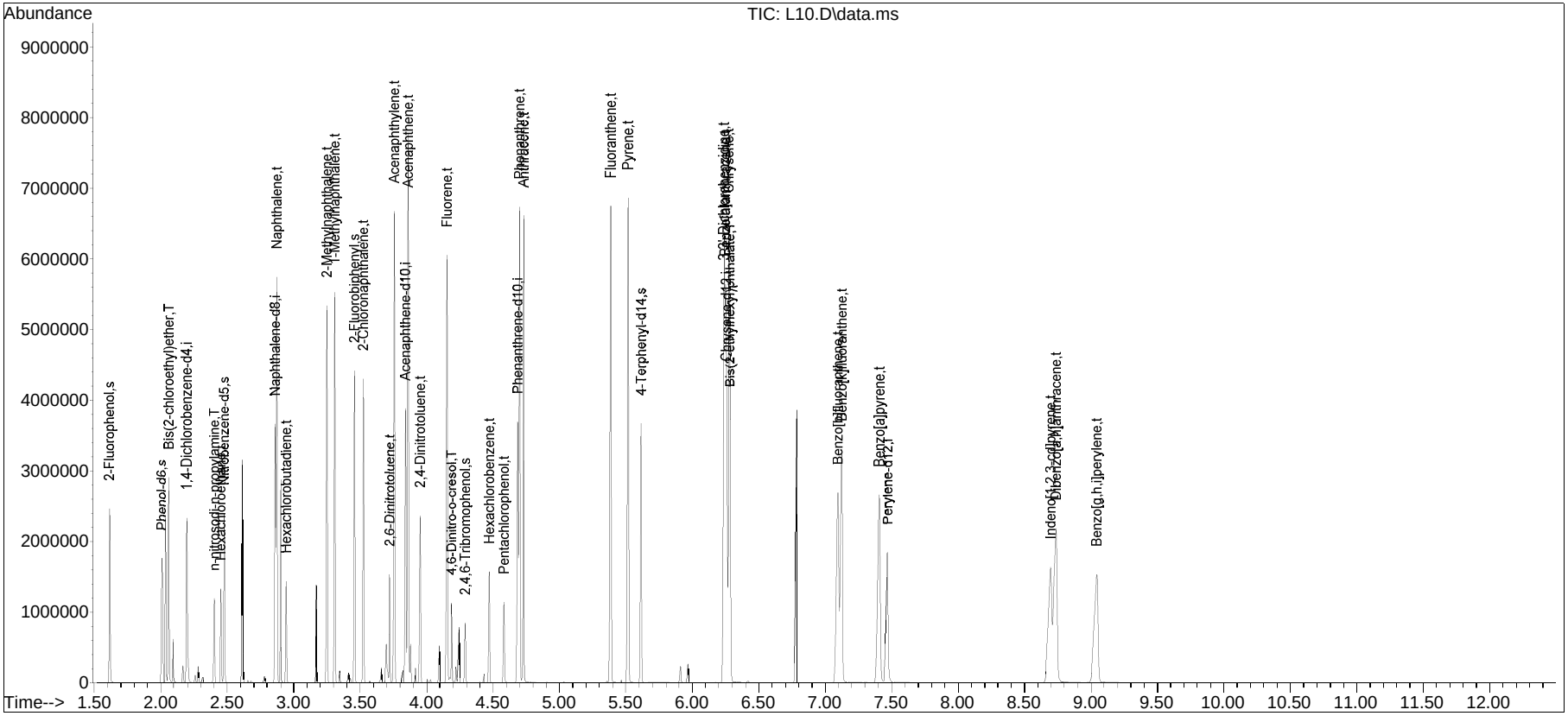
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

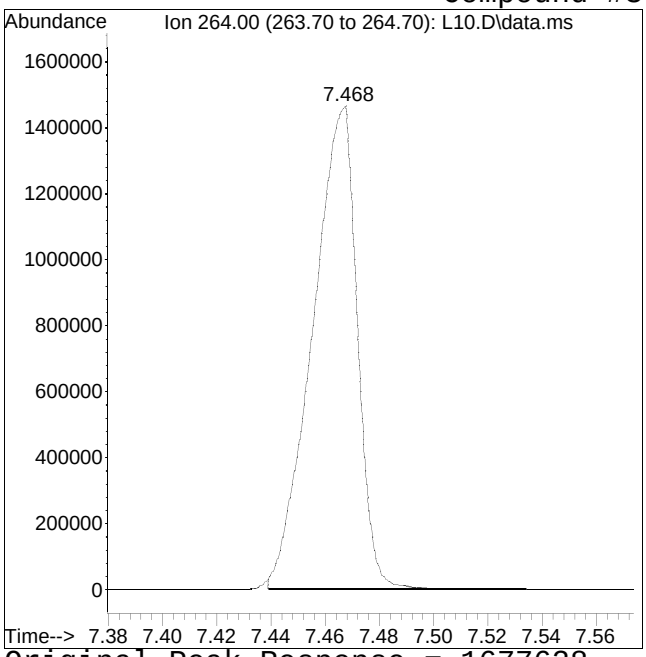
Sub List : Default - All compounds listedical\L8.D•



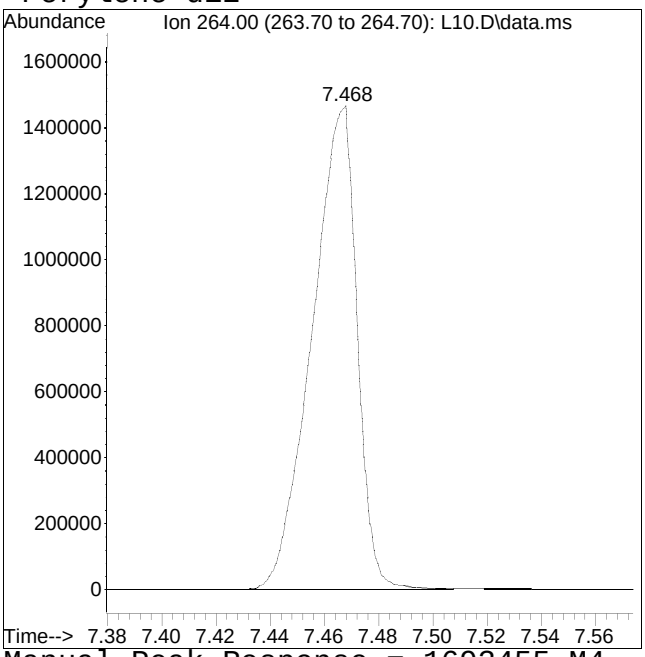
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #36: Perylene-d12



Original Peak Response = 1677628



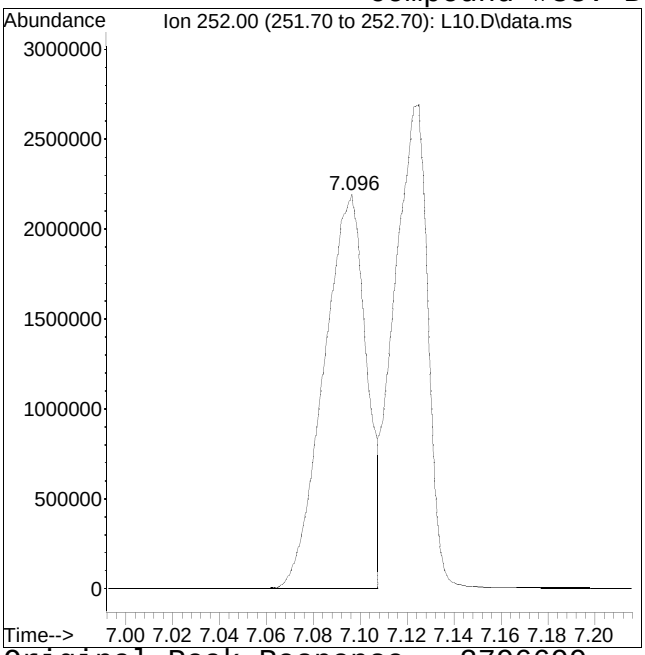
Manual Peak Response = 1693455 M4

M4 = Poor automated baseline construction.

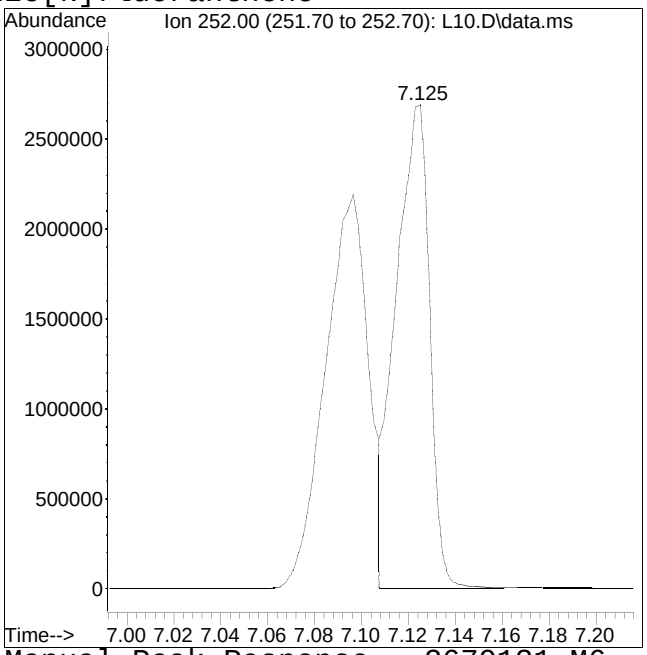
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2796699



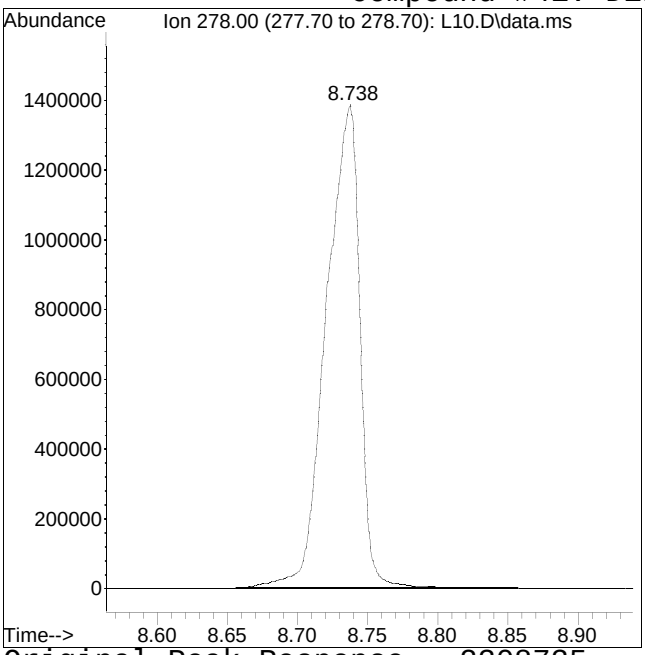
Manual Peak Response = 2679131 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

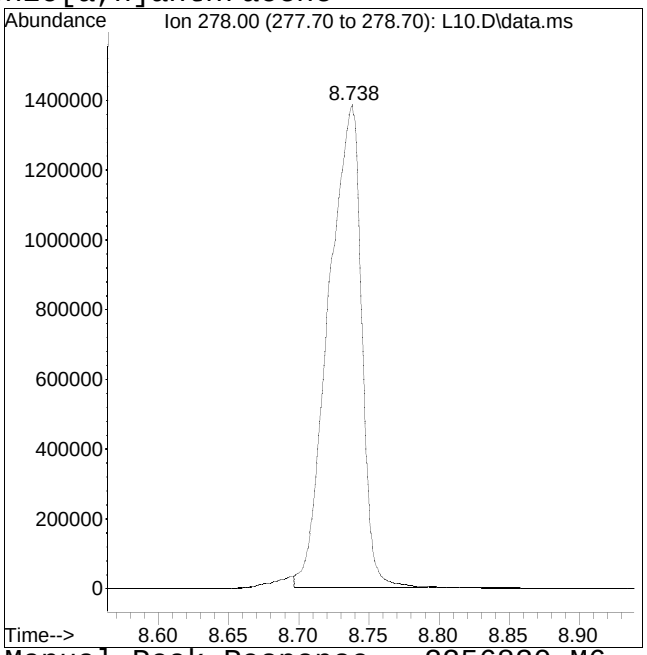
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2308735



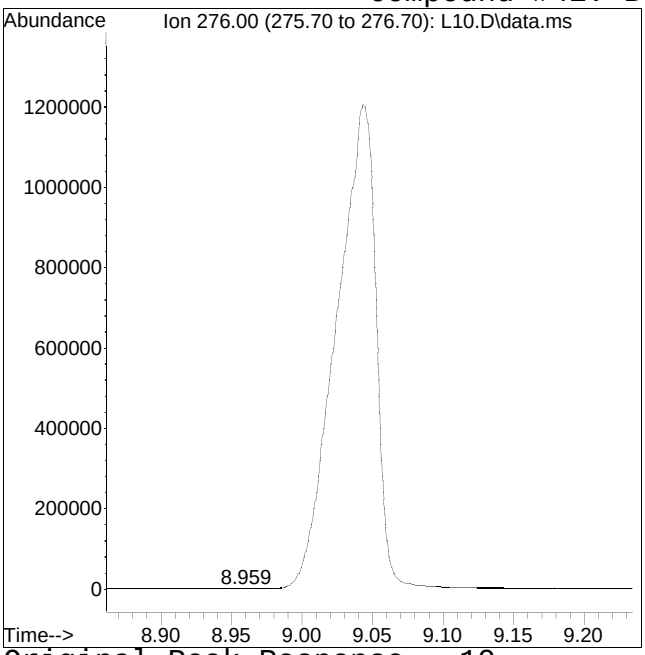
Manual Peak Response = 2256830 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

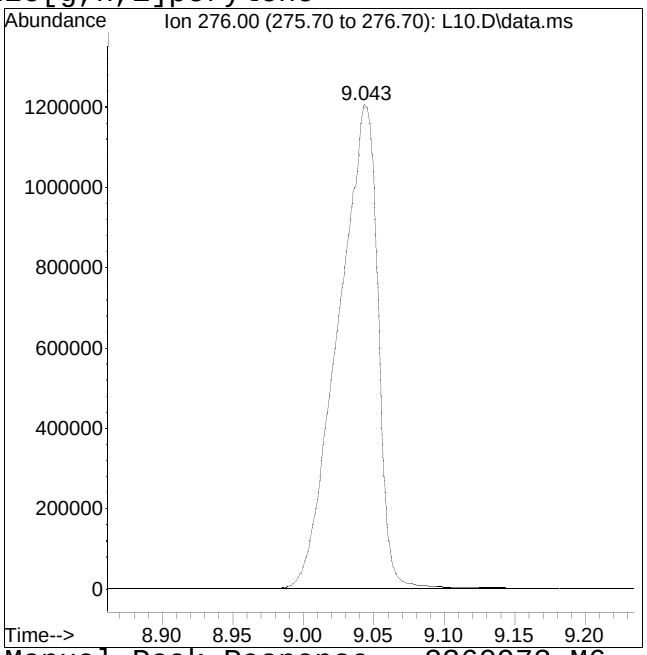
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #42: Benzo[g,h,i]perylene



Original Peak Response = 19



Manual Peak Response = 2360973 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.197	152	437004	4000.000	ng/ml	0.00
Standard Area 1 = 474552			Recovery = 92.09%			
8) Naphthalene-d8	2.862	136	1641172	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 93.48%			
17) Acenaphthene-d10	3.841	164	934478	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 94.78%			
22) Phenanthrene-d10	4.684	188	1879809	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.49%			
31) Chrysene-d12	6.243	240	1801406	4000.000	ng/ml	0.00
Standard Area 1 = 1866106			Recovery = 96.53%			
36) Perylene-d12	7.450	264	1823251	4000.000	ng/ml	0.00
Standard Area 1 = 1827508			Recovery = 99.77%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.617	112	320327	2397.121	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 119.86%#			
3) Phenol-d6	2.011	99	395014	2467.059	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 123.35%#			
7) Nitrobenzene-d5	2.479	82	336601	2574.445	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 257.44%#			
13) 2-Fluorobiphenyl	3.461	172	807891	2248.084	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 224.81%#			
21) 2,4,6-Tribromophenol	4.289	330	124940	2890.284	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 144.51%#			
30) 4-Terphenyl-d14	5.606	244	1019461	2334.526	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 233.45%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.066	93	329472	2317.477	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	242500	2659.819	ng/ml	100
6) Hexachloroethane	2.455	117	144267	2425.956	ng/ml	100
9) Naphthalene	2.871	128	1068336	2290.913	ng/ml	100
10) Hexachlorobutadiene	2.945	225	198057	2371.825	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	682409	2351.777	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	692763	2349.157	ng/ml	100
14) 2-Chloronaphthalene	3.526	162	744311	2370.775	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	193375	2764.508	ng/ml	99
16) Acenaphthylene	3.759	152	1218847	2538.940	ng/ml	100
18) Acenaphthene	3.859	153	773213	2324.301	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	271346	2825.100	ng/ml	98
20) Fluorene	4.150	166	872604	2385.769	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.183	198	150296	2468.753	ng/ml	99
24) Hexachlorobenzene	4.469	284	288514	2317.377	ng/ml	99
25) Pentachlorophenol	4.582	266	178859	2488.628	ng/ml	100
26) Phenanthrene	4.696	178	1322388	2320.198	ng/ml	99
27) Anthracene	4.726	178	1363415	2413.543	ng/ml	99
28) Fluoranthene	5.380	202	1564141	2413.205	ng/ml	100
29) Pyrene	5.509	202	1610033	2400.119	ng/ml	99
32) Benzo[a]anthracene	6.231	226	453580	2383.002	ng/ml#	98
33) 3,3'-Dichlorobenzidine	6.222	252	675166	2805.821	ng/ml	99
34) Chrysene	6.257	228	1506431	2423.884	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.272	149	1078190	2481.619	ng/ml	99
37) Benzo[b]fluoranthene	7.074	252	1501052	2500.159	ng/ml	99
38) Benzo[k]fluoranthene	7.101	252	1460458	2560.502	ng/ml	99
39) Benzo[a]pyrene	7.383	252	1353116	2708.286	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.674	276	1223899	2763.122	ng/ml	99
41) Dibenzo[a,h]anthracene	8.707	278	1192078M6	2785.627	ng/ml	
42) Benzo[g,h,i]perylene	9.014	276	1244200	2658.295	ng/ml	100

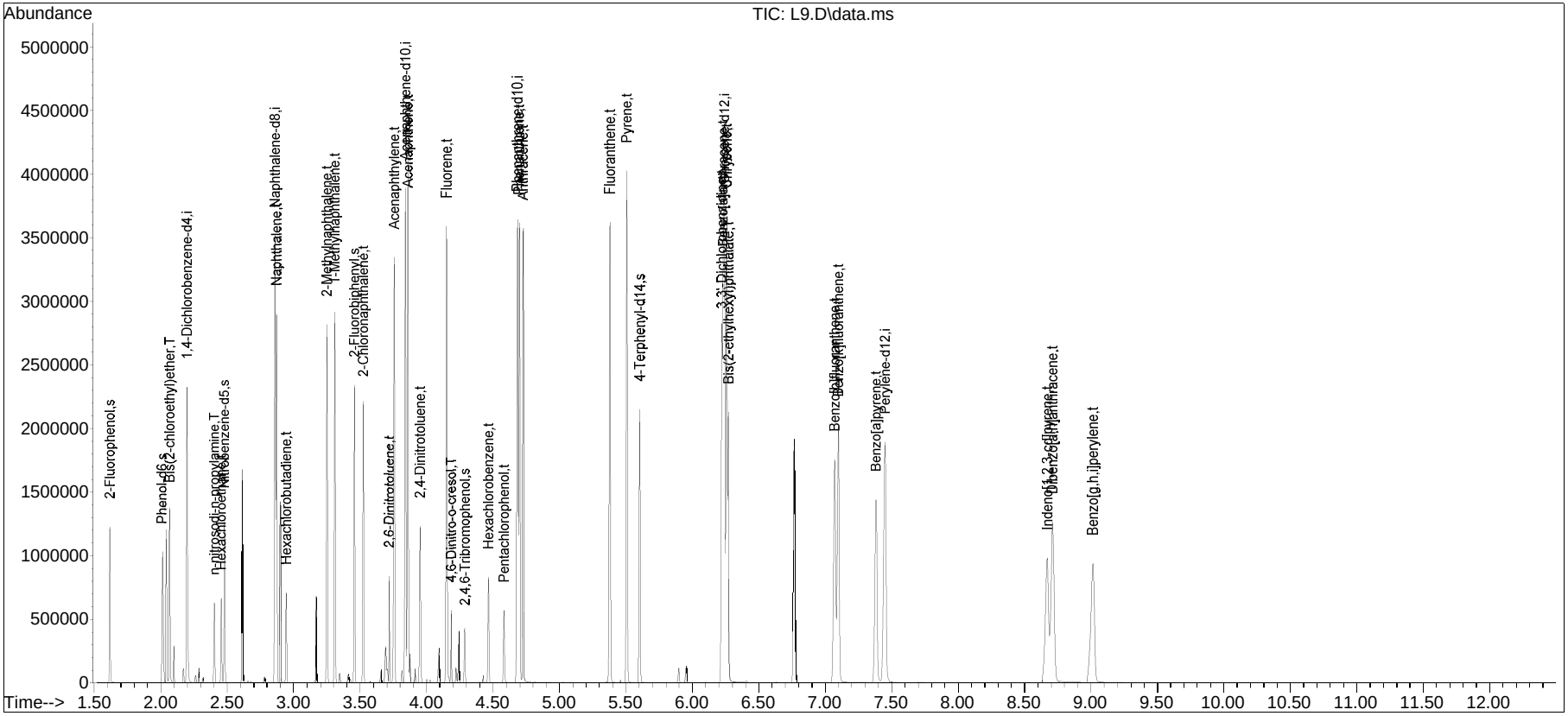
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

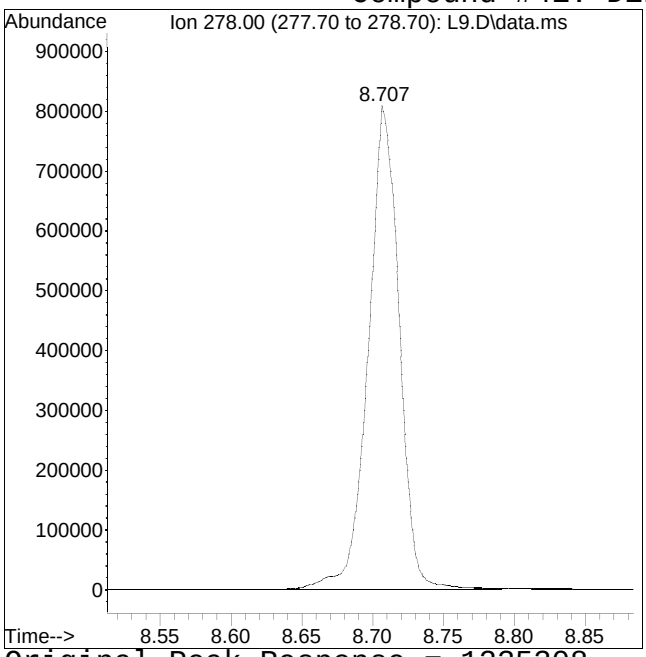
Sub List : Default - All compounds listedical\L8.D•



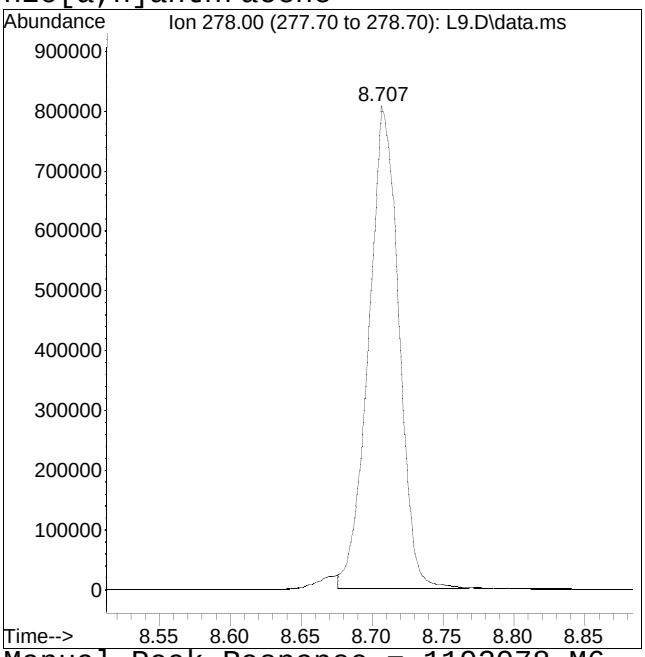
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L9.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:04 pm Instrument : SV118
Sample : IL9,32,, #11280 2500 ng/mlQuant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1235308



Manual Peak Response = 1192078 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	474400	4000.000	ng/ml	0.00
Standard Area 1 = 474552			Recovery = 99.97%			
8) Naphthalene-d8	2.861	136	1755733	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 100.00%			
17) Acenaphthene-d10	3.841	164	985911	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 100.00%			
22) Phenanthrene-d10	4.684	188	1968639	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 100.00%			
31) Chrysene-d12	6.237	240	1866853	4000.000	ng/ml	0.00
Standard Area 1 = 1866106			Recovery = 100.04%			
36) Perylene-d12	7.444	264	1847760	4000.000	ng/ml	0.00
Standard Area 1 = 1827508			Recovery = 101.11%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.621	112	145743	1004.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.23%			
3) Phenol-d6	2.012	99	175761	1011.184	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.56%			
7) Nitrobenzene-d5	2.480	82	149010	1049.843	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.98%			
13) 2-Fluorobiphenyl	3.461	172	369235	960.414	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.04%			
21) 2,4,6-Tribromophenol	4.286	330	52869	1159.235	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.96%			
30) 4-Terphenyl-d14	5.604	244	449158	982.143	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.21%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	150466	974.936	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	104905	1059.930	ng/ml	100
6) Hexachloroethane	2.457	117	64799	1003.749	ng/ml	100
9) Naphthalene	2.873	128	482745	967.641	ng/ml	100
10) Hexachlorobutadiene	2.946	225	89422	1000.996	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	308281	993.102	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	312243	989.728	ng/ml	100
14) 2-Chloronaphthalene	3.525	162	334556	996.094	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	80951	1081.771	ng/ml	100
16) Acenaphthylene	3.759	152	542495	1056.318	ng/ml	100
18) Acenaphthene	3.859	153	345172	983.468	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	112289	1108.100	ng/ml	100
20) Fluorene	4.149	166	388437	1006.614	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.180	198	57711	927.332	ng/ml	100
24) Hexachlorobenzene	4.469	284	129022	989.558	ng/ml	100
25) Pentachlorophenol	4.579	266	69610	1035.983	ng/ml	100
26) Phenanthrene	4.696	178	585672	981.224	ng/ml	100
27) Anthracene	4.725	178	601694	1017.069	ng/ml	100
28) Fluoranthene	5.379	202	683086	1006.332	ng/ml	100
29) Pyrene	5.508	202	716810	1020.351	ng/ml	100
32) Benzo[a]anthracene	6.225	226	190425	965.375	ng/ml#	100
33) 3,3'-Dichlorobenzidine	6.215	252	269575	1081.012	ng/ml	100
34) Chrysene	6.252	228	646269	1003.408	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.263	149	411989	932.797	ng/ml	100
37) Benzo[b]fluoranthene	7.064	252	619863	1018.752	ng/ml	100
38) Benzo[k]fluoranthene	7.090	252	621770	1075.639	ng/ml	100
39) Benzo[a]pyrene	7.371	252	554169	1094.467	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	489591	1090.659	ng/ml	100
41) Dibenzo[a,h]anthracene	8.693	278	488744M6	1126.940	ng/ml	
42) Benzo[g,h,i]perylene	8.998	276	512735	1080.953	ng/ml	100

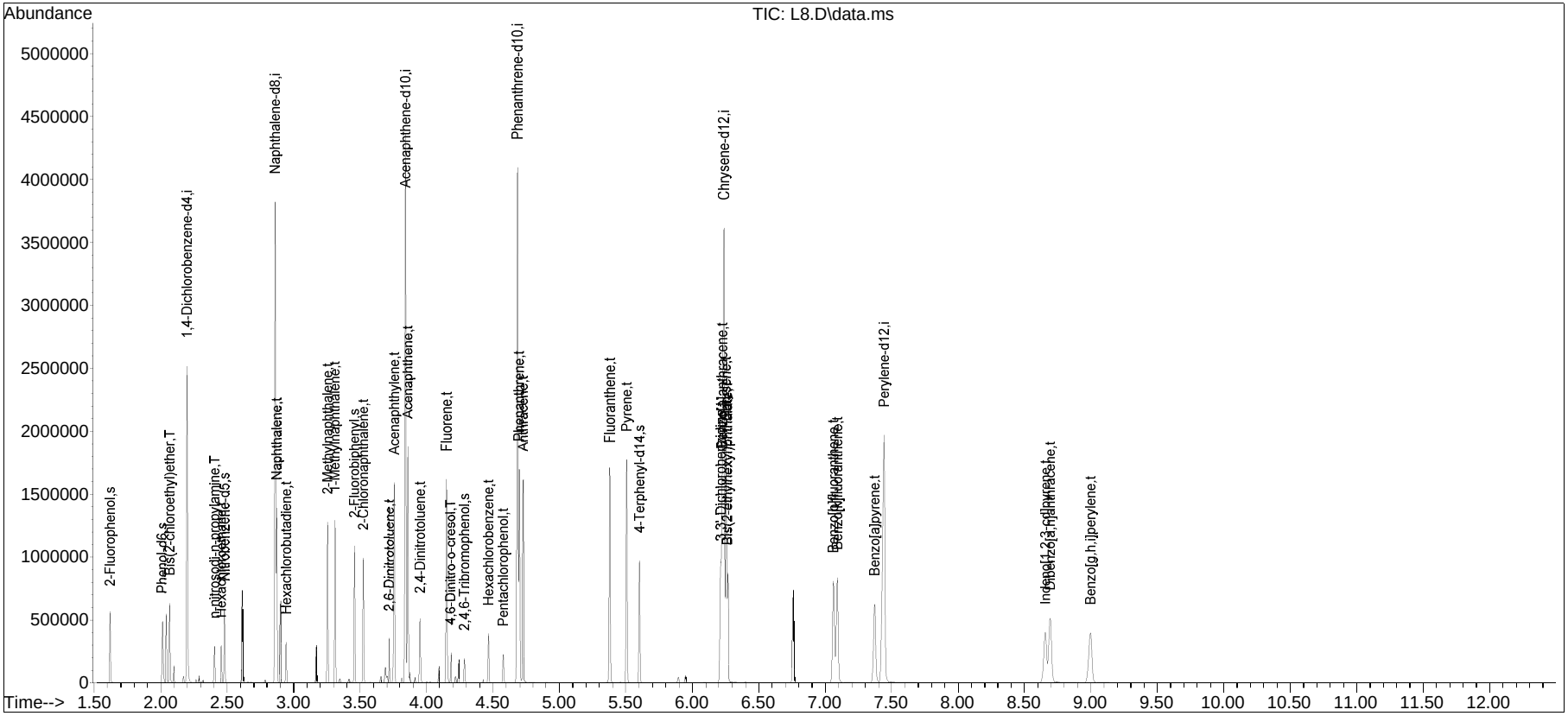
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

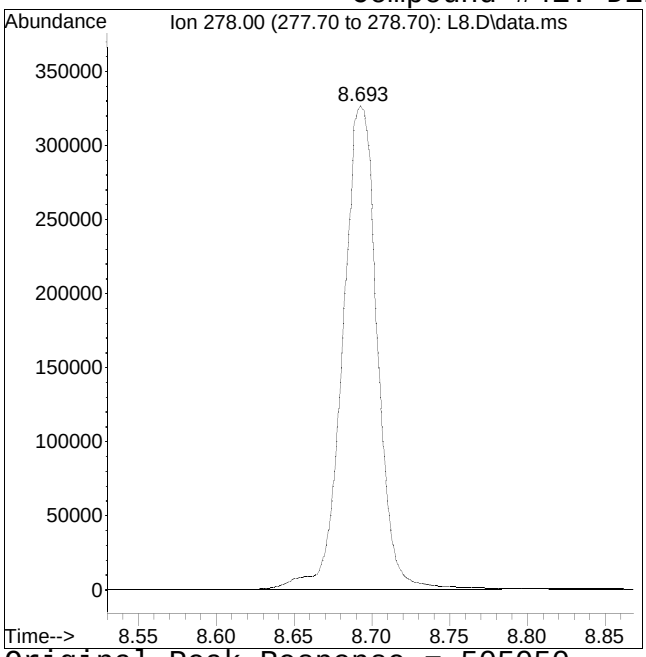
Sub List : Default - All compounds listedical\L8.D•



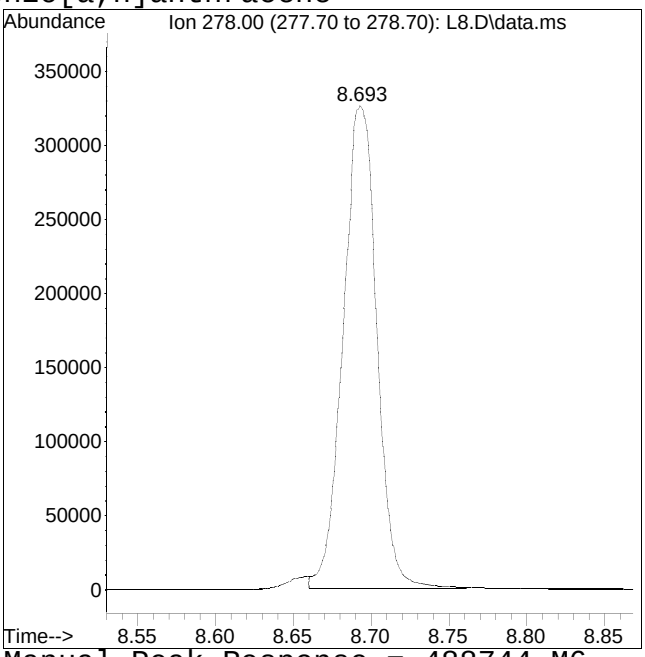
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L8.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:20 pm Instrument : SV118
Sample : IL8,32,, #11281 1000 ng/mlQuant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 505050



Manual Peak Response = 488744 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.199	152	478468	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 100.86%			
8) Naphthalene-d8	2.861	136	1773140	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 100.99%			
17) Acenaphthene-d10	3.841	164	1006527	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 102.09%			
22) Phenanthrene-d10	4.686	188	2009391	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 102.07%			
31) Chrysene-d12	6.239	240	1955025	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 104.72%			
36) Perylene-d12	7.448	264	1892664	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 102.43%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.618	112	75282	514.541	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.73%			
3) Phenol-d6	2.010	99	89872	512.654	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.63%			
7) Nitrobenzene-d5	2.480	82	76068	531.377	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 53.14%			
13) 2-Fluorobiphenyl	3.462	172	194913	502.009	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.20%			
21) 2,4,6-Tribromophenol	4.288	330	26694	573.319	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.67%			
30) 4-Terphenyl-d14	5.604	244	242980	520.533	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 52.05%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.066	93	78373	503.496	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	52752	528.460	ng/ml	99
6) Hexachloroethane	2.456	117	33245	510.593	ng/ml	100
9) Naphthalene	2.873	128	250409	497.006	ng/ml	100
10) Hexachlorobutadiene	2.946	225	46112	511.114	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	160230	511.100	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	163256	512.398	ng/ml	100
14) 2-Chloronaphthalene	3.526	162	174533	514.546	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	39529	523.052	ng/ml	98
16) Acenaphthylene	3.759	152	281212	542.186	ng/ml	100
18) Acenaphthene	3.859	153	179745	501.642	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	54956	531.214	ng/ml	97
20) Fluorene	4.152	166	204042	517.934	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.180	198	26779	440.646	ng/ml	98
24) Hexachlorobenzene	4.469	284	67893	510.157	ng/ml	100
25) Pentachlorophenol	4.581	266	32624	501.574	ng/ml	100
26) Phenanthrene	4.698	178	308118	505.746	ng/ml	100
27) Anthracene	4.725	178	315856	523.077	ng/ml	100
28) Fluoranthene	5.377	202	363708	524.953	ng/ml	99
29) Pyrene	5.508	202	380989	531.324	ng/ml	99
32) Benzo[a]anthracene	6.229	226	100349	485.784	ng/ml#	100
33) 3,3'-Dichlorobenzidine	6.216	252	134288	514.216	ng/ml	100
34) Chrysene	6.253	228	349178	517.689	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.266	149	194394	435.762	ng/ml	100
37) Benzo[b]fluoranthene	7.068	252	326733	524.249	ng/ml	100
38) Benzo[k]fluoranthene	7.095	252	323330	546.078	ng/ml	99
39) Benzo[a]pyrene	7.375	252	281877	543.491	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	237753	517.075	ng/ml	99
41) Dibenzo[a,h]anthracene	8.697	278	242764M6	546.482	ng/ml	
42) Benzo[g,h,i]perylene	9.000	276	255221	525.294	ng/ml	100

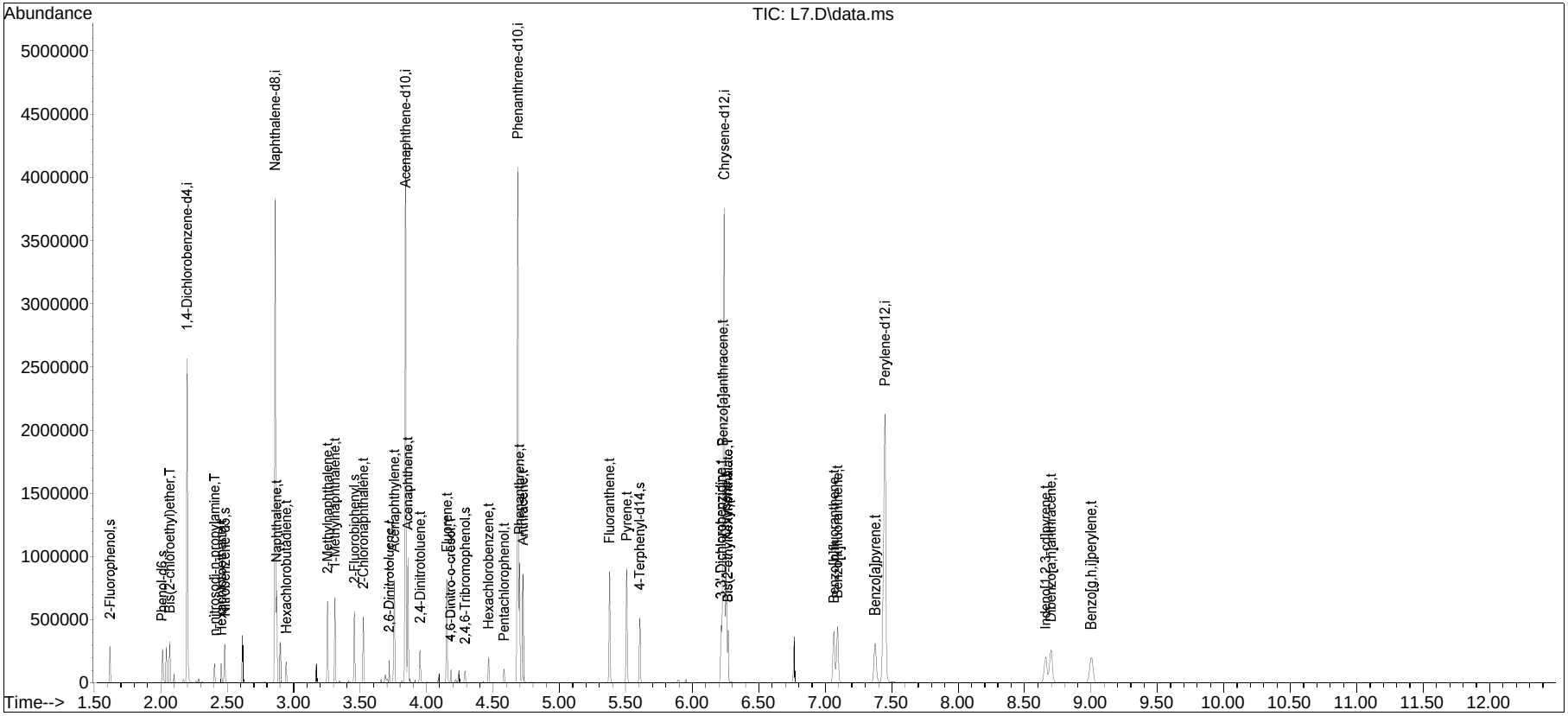
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

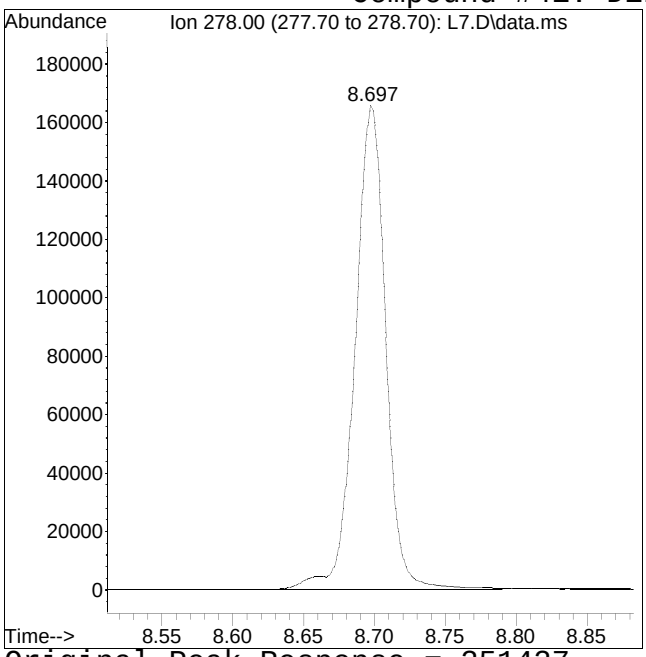
Sub List : Default - All compounds listedical\L8.D•



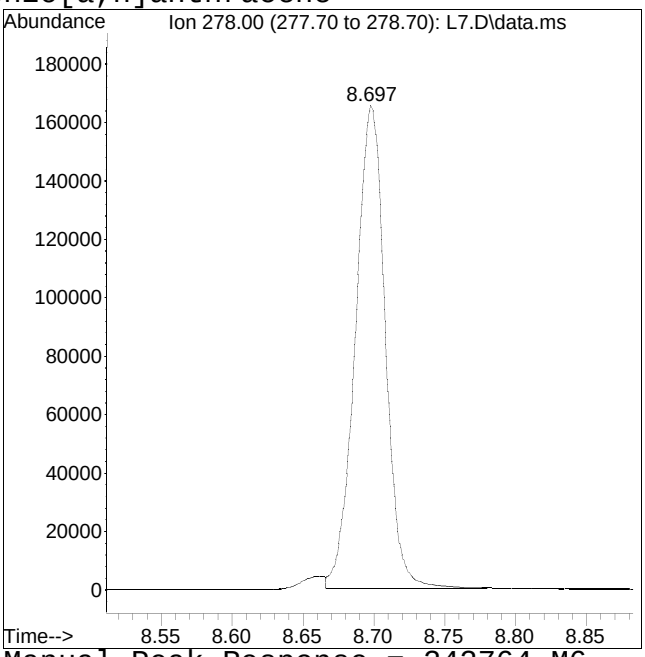
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L7.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:38 pm Instrument : SV118
Sample : IL7,32,, #11282 500 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 251427



Manual Peak Response = 242764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.201	152	470615	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 99.20%			
8) Naphthalene-d8	2.863	136	1698938	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 96.77%			
17) Acenaphthene-d10	3.841	164	943071	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 95.65%			
22) Phenanthrene-d10	4.684	188	1870963	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.04%			
31) Chrysene-d12	6.239	240	1797903	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 96.31%			
36) Perylene-d12	7.448	264	1701994	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 92.11%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.622	112	15165	105.380	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.27%#			
3) Phenol-d6	2.013	99	17591	102.018	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.10%#			
7) Nitrobenzene-d5	2.481	82	14359	101.979	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.20%#			
13) 2-Fluorobiphenyl	3.461	172	38497	103.482	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.35%#			
21) 2,4,6-Tribromophenol	4.286	330	4261	97.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.88%#			
30) 4-Terphenyl-d14	5.605	244	44919	103.349	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.33%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.068	93	15870	103.656	ng/ml	100
5) n-nitrosodi-n-propylamine	2.404	70	9739	99.191	ng/ml	98
6) Hexachloroethane	2.458	117	6546	102.214	ng/ml	100
9) Naphthalene	2.874	128	49347	102.221	ng/ml	100
10) Hexachlorobutadiene	2.948	225	9037	104.543	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	30986	103.156	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	31750	104.003	ng/ml	100
14) 2-Chloronaphthalene	3.525	162	33917	104.359	ng/ml	100
15) 2,6-Dinitrotoluene	3.719	165	6299	86.989	ng/ml	93
16) Acenaphthylene	3.758	152	51475	103.580	ng/ml	100
18) Acenaphthene	3.856	153	34526	102.841	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.948	165	8230	84.905	ng/ml	87
20) Fluorene	4.149	166	37941	102.789	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.180	198	3378	89.931	ng/ml	96
24) Hexachlorobenzene	4.468	284	13062	105.412	ng/ml	100
25) Pentachlorophenol	4.581	266	4106	78.594	ng/ml	100
26) Phenanthrene	4.695	178	58692M6	103.465	ng/ml	
27) Anthracene	4.725	178	57813	102.826	ng/ml	99
28) Fluoranthene	5.377	202	66381	102.899	ng/ml	99
29) Pyrene	5.508	202	68763	102.992	ng/ml	100
32) Benzo[a]anthracene	6.232	226	17631	92.810	ng/ml#	90
33) 3,3'-Dichlorobenzidine	6.217	252	20496	85.342	ng/ml	99
34) Chrysene	6.254	228	64975	104.750	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.270	149	27102	89.963	ng/ml	100
37) Benzo[b]fluoranthene	7.068	252	57404	102.424	ng/ml	99
38) Benzo[k]fluoranthene	7.092	252	55287	103.836	ng/ml	100
39) Benzo[a]pyrene	7.375	252	46950	100.666	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	40457	97.845	ng/ml	99
41) Dibenzo[a,h]anthracene	8.695	278	40867M6	102.301	ng/ml	
42) Benzo[g,h,i]perylene	8.996	276	44761	102.447	ng/ml	100

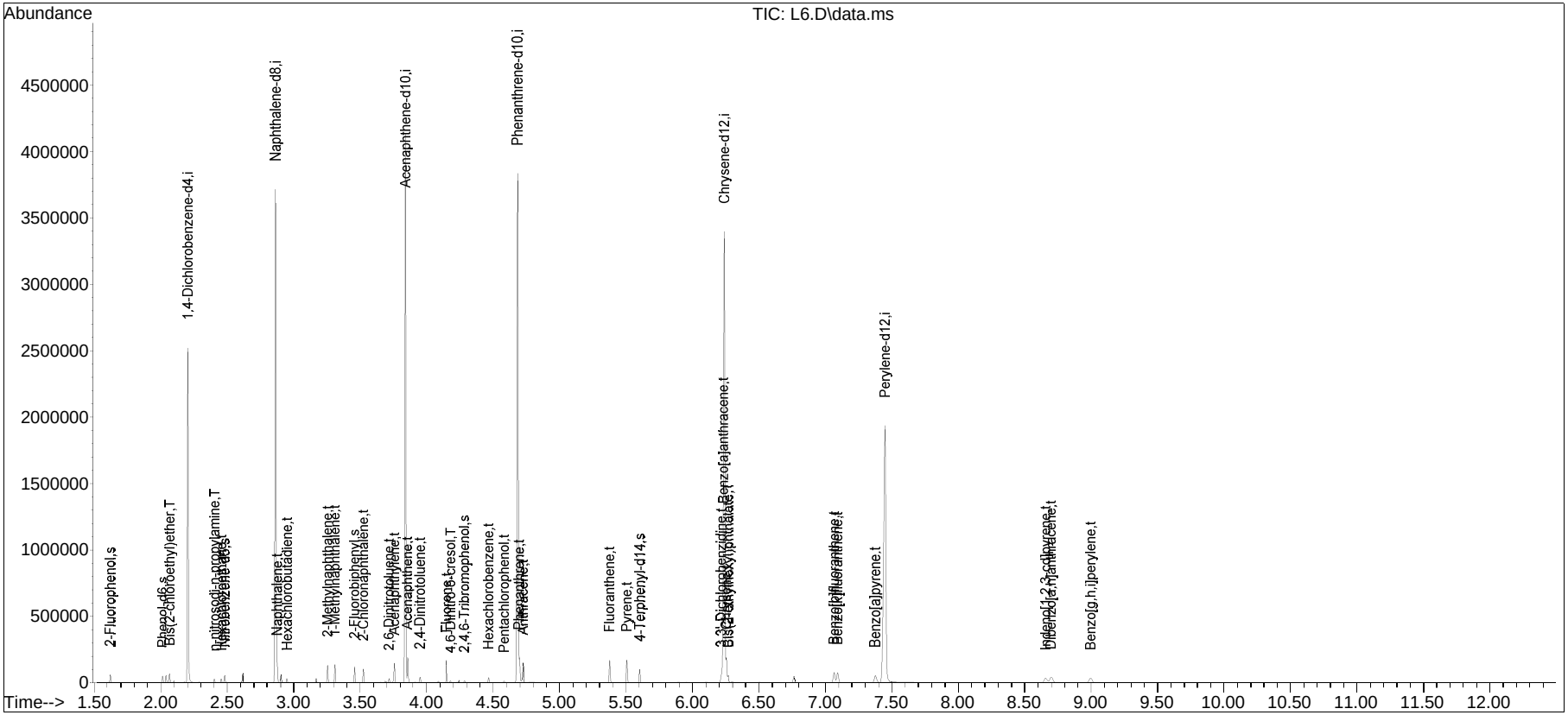
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

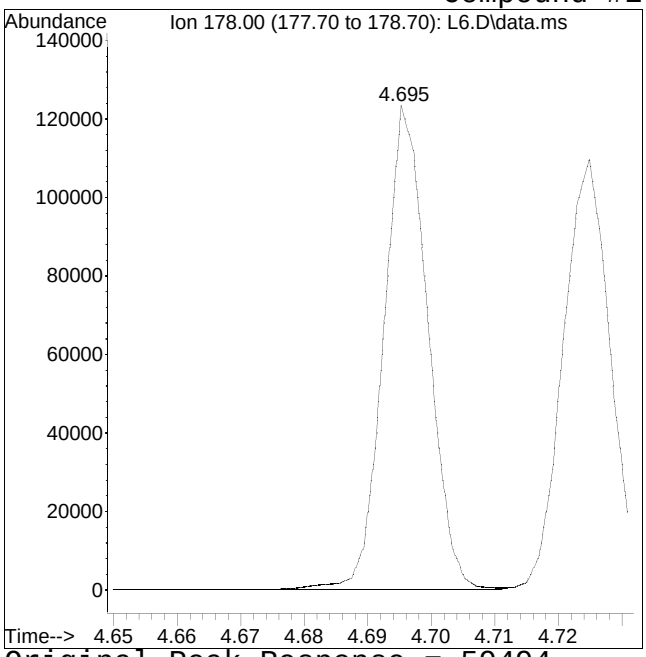
Sub List : Default - All compounds listedical\L8.D•



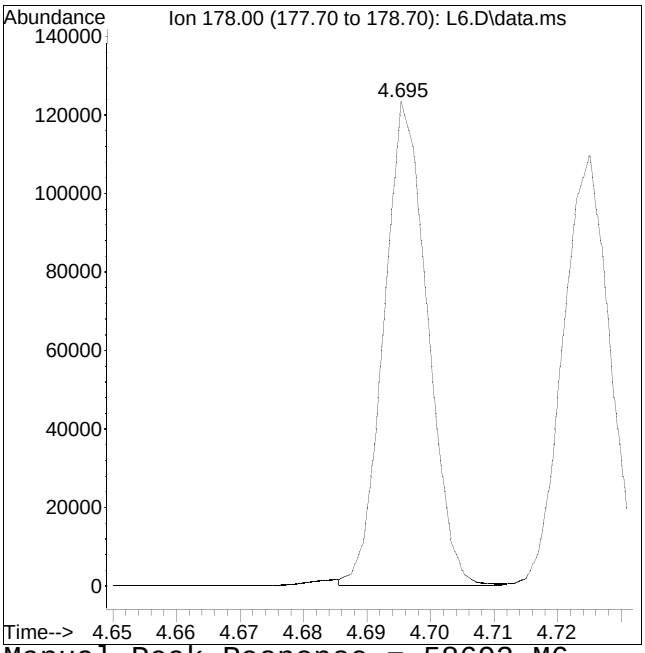
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L6.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:55 pm Instrument : SV118
Sample : IL6,32,, #11283 100 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #26: Phenanthrene



Original Peak Response = 59494



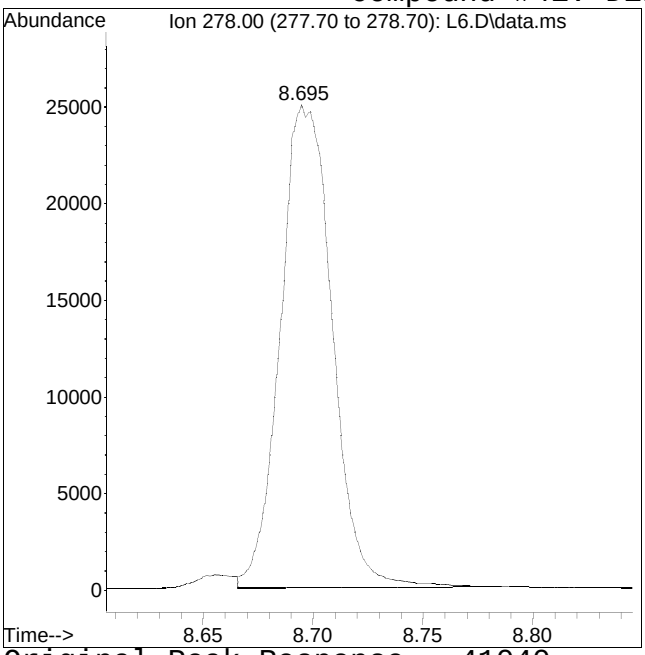
Manual Peak Response = 58692 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

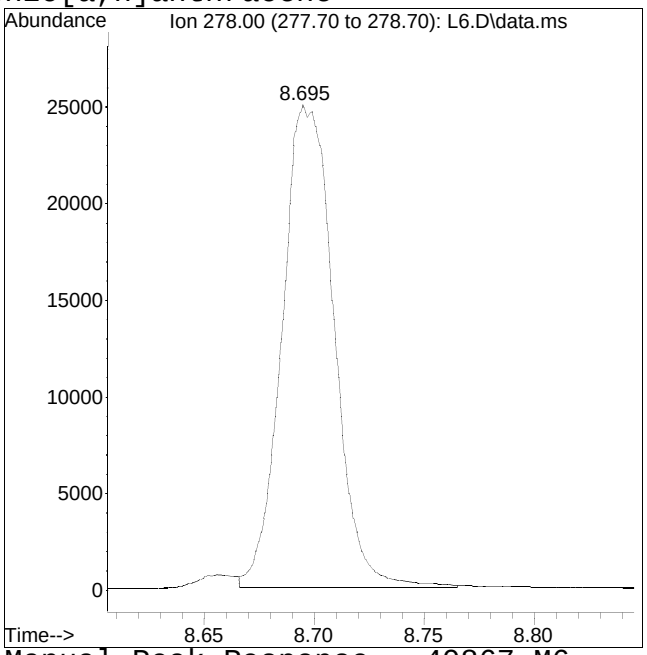
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L6.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:55 pm Instrument : SV118
Sample : IL6,32,, #11283 100 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 41040



Manual Peak Response = 40867 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	474475	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 100.02%			
8) Naphthalene-d8	2.861	136	1710425	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 97.42%			
17) Acenaphthene-d10	3.841	164	953080	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 96.67%			
22) Phenanthrene-d10	4.684	188	1888214	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.91%			
31) Chrysene-d12	6.239	240	1864485	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 99.87%			
36) Perylene-d12	7.448	264	1797382	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 97.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.620	112	5890	40.596	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.03%#			
3) Phenol-d6	2.012	99	6813	39.190	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.96%#			
7) Nitrobenzene-d5	2.480	82	5565	39.202	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.92%#			
13) 2-Fluorobiphenyl	3.461	172	15247	40.709	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.07%#			
21) 2,4,6-Tribromophenol	4.286	330	1488	33.751	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.69%#			
30) 4-Terphenyl-d14	5.604	244	17879	40.760	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.08%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	6253	40.510	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	3719	37.570	ng/ml	98
6) Hexachloroethane	2.457	117	2547	39.447	ng/ml	100
9) Naphthalene	2.873	128	19390	39.896	ng/ml	99
10) Hexachlorobutadiene	2.947	225	3540	40.677	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	12144	40.157	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	12446	40.496	ng/ml	99
14) 2-Chloronaphthalene	3.526	162	13348	40.795	ng/ml	100
15) 2,6-Dinitrotoluene	3.720	165	2345	32.167	ng/ml	93
16) Acenaphthylene	3.757	152	19590	39.155	ng/ml	99
18) Acenaphthene	3.857	153	13726	40.455	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.949	165	2905	29.655	ng/ml#	82
20) Fluorene	4.149	166	14808	39.696	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.180	198	987	50.883	ng/ml	95
24) Hexachlorobenzene	4.469	284	5068	40.526	ng/ml	100
25) Pentachlorophenol	4.579	266	1196	29.685	ng/ml	92
26) Phenanthrene	4.696	178	23545M6	41.127	ng/ml	
27) Anthracene	4.725	178	22445	39.556	ng/ml	99
28) Fluoranthene	5.377	202	26276	40.359	ng/ml	99
29) Pyrene	5.506	202	27321	40.547	ng/ml	99
32) Benzo[a]anthracene	6.229	226	7270	36.903	ng/ml#	78
33) 3,3'-Dichlorobenzidine	6.216	252	7808	31.350	ng/ml	99
34) Chrysene	6.252	228	26500	41.197	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.267	149	10358	50.945	ng/ml	99
37) Benzo[b]fluoranthene	7.066	252	22832	38.576	ng/ml	100
38) Benzo[k]fluoranthene	7.093	252	21914	38.973	ng/ml	100
39) Benzo[a]pyrene	7.375	252	18500	37.561	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.652	276	16204	37.109	ng/ml	100
41) Dibenzo[a,h]anthracene	8.691	278	15728M4	37.282	ng/ml	
42) Benzo[g,h,i]perylene	8.992	276	17705	38.372	ng/ml	100

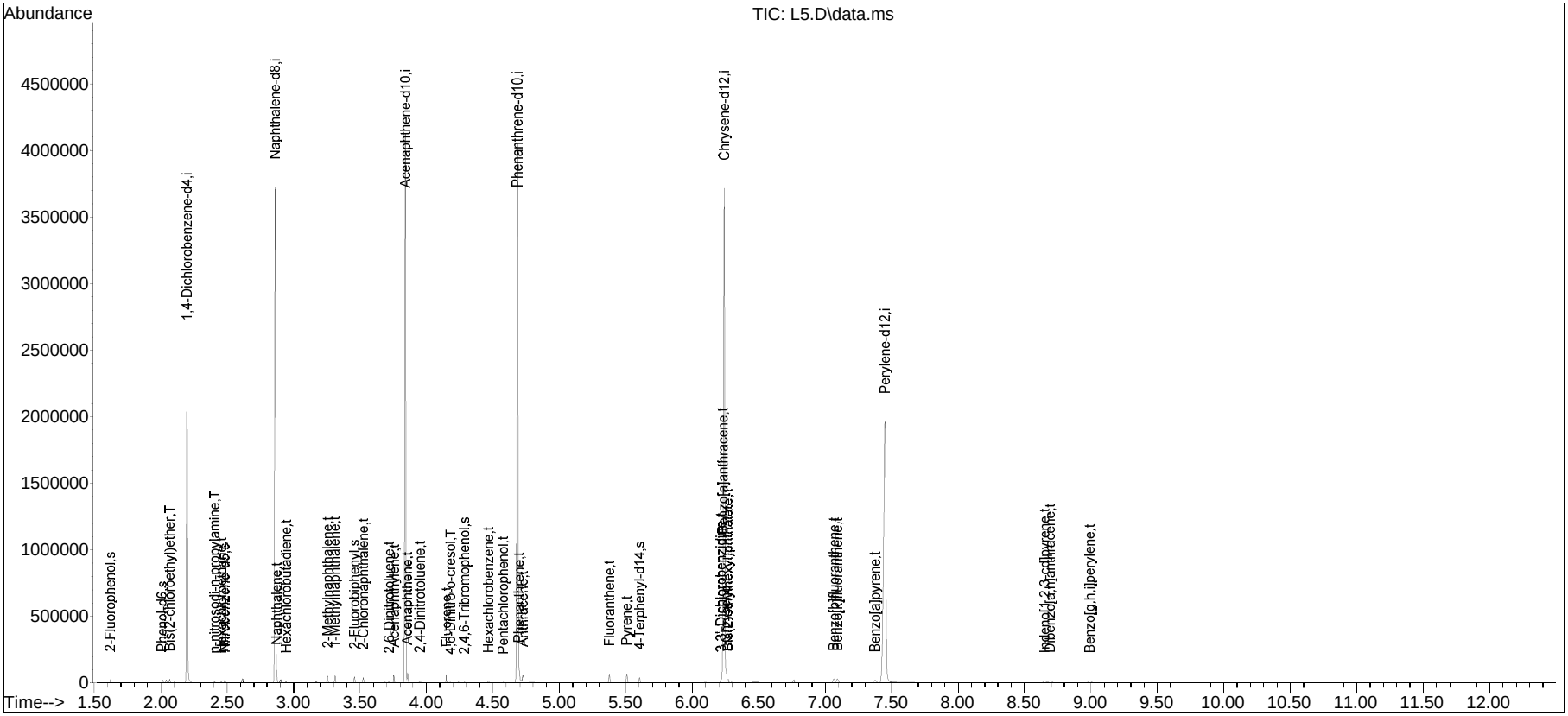
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

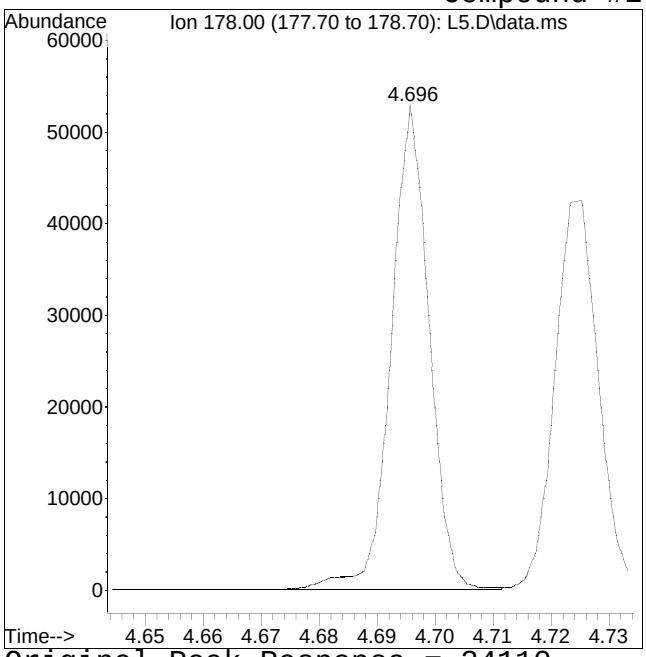
Sub List : Default - All compounds listedical\L8.D•



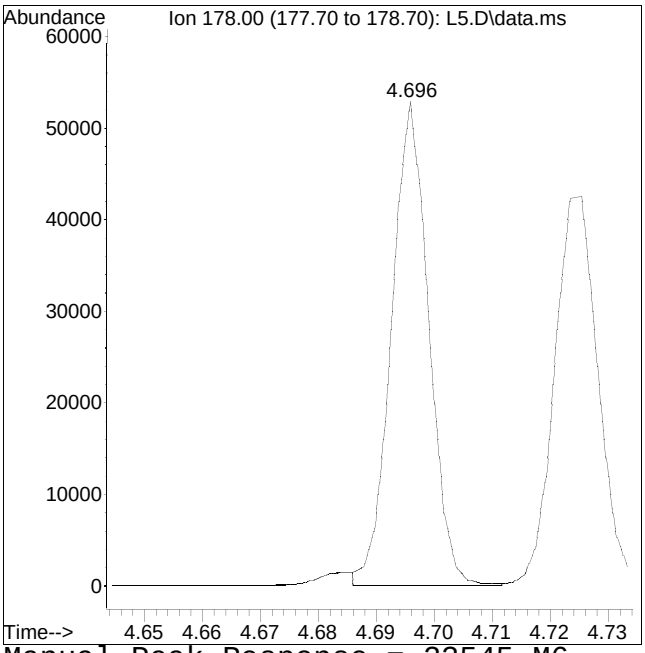
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L5.D
Date Inj'd : 2/3/2025 5:12 pm
Sample : IL5,32,, #11284 40 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:16 am

Compound #26: Phenanthrene



Original Peak Response = 24110



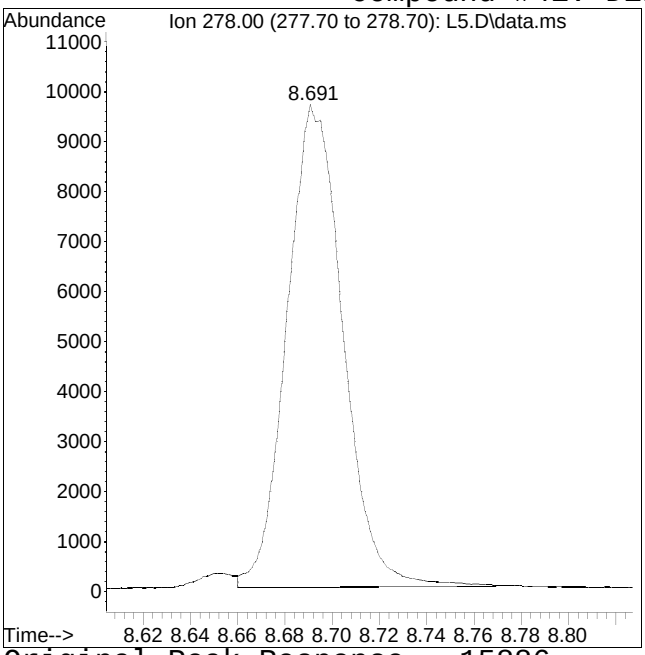
Manual Peak Response = 23545 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

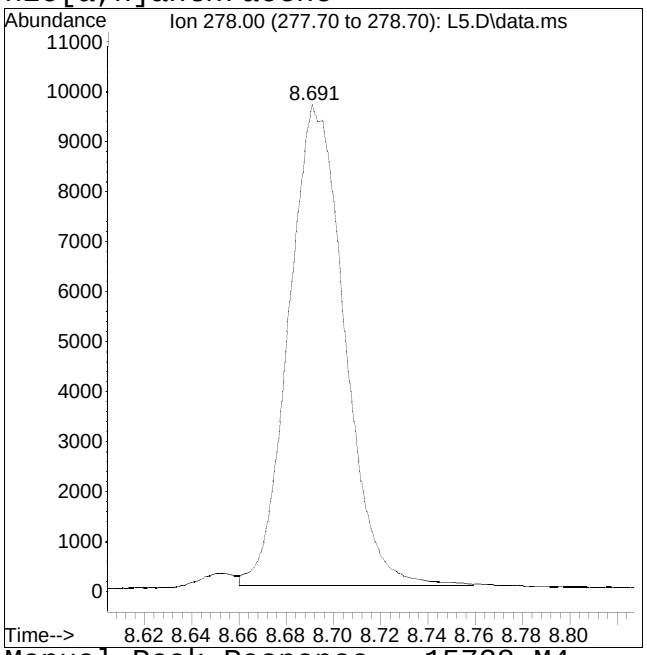
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L5.D
Date Inj'd : 2/3/2025 5:12 pm
Sample : IL5,32,, #11284 40 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 15886



Manual Peak Response = 15728 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	502433	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 105.91%			
8) Naphthalene-d8	2.863	136	1779282	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 101.34%			
17) Acenaphthene-d10	3.840	164	966545	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 98.04%			
22) Phenanthrene-d10	4.683	188	1848885	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 93.92%			
31) Chrysene-d12	6.238	240	1672331	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 89.58%			
36) Perylene-d12	7.443	264	1552719	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 84.03%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.629	112	1561	10.160	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.51%#			
3) Phenol-d6	2.015	99	1793	9.740	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
7) Nitrobenzene-d5	2.481	82	1375M6	9.147	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.91%#			
13) 2-Fluorobiphenyl	3.460	172	3944	10.123	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
21) 2,4,6-Tribromophenol	4.285	330	348	7.783	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.39%#			
30) 4-Terphenyl-d14	5.603	244	4000	9.313	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.071	93	1646	10.070	ng/ml	98
5) n-nitrosodi-n-propylamine	2.406	70	961	9.168	ng/ml	100
6) Hexachloroethane	2.459	117	689	10.077	ng/ml	98
9) Naphthalene	2.872	128	5197	10.279	ng/ml#	97
10) Hexachlorobutadiene	2.946	225	933	10.306	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	3133	9.959	ng/ml	100
12) 1-Methylnaphthalene	3.308	142	3192	9.984	ng/ml	99
14) 2-Chloronaphthalene	3.525	162	3366	9.889	ng/ml	100
15) 2,6-Dinitrotoluene	3.719	165	600M6	7.912	ng/ml	
16) Acenaphthylene	3.756	152	4816	9.253	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.856	153	3460	10.056	ng/ml	98
19) 2,4-Dinitrotoluene	3.948	165	638	6.422	ng/ml#	74
20) Fluorene	4.149	166	3652	9.654	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.179	198	176	37.869	ng/ml	87
24) Hexachlorobenzene	4.468	284	1209	9.873	ng/ml	98
25) Pentachlorophenol	4.579	266	272M4	14.367	ng/ml	
26) Phenanthrene	4.695	178	5536M3	9.876	ng/ml	
27) Anthracene	4.723	178	5345	9.620	ng/ml	98
28) Fluoranthene	5.377	202	5943M1	9.322	ng/ml	
29) Pyrene	5.506	202	6107	9.256	ng/ml	99
32) Benzo[a]anthracene	6.229	226	1824	10.322	ng/ml#	17
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.251	228	5677	9.839	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.267	149	2479	34.249	ng/ml	98
37) Benzo[b]fluoranthene	7.068	252	4849	9.484	ng/ml	100
38) Benzo[k]fluoranthene	7.092	252	4613M6	9.497	ng/ml	
39) Benzo[a]pyrene	7.375	252	3905	9.178	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.655	276	3446	9.135	ng/ml	99
41) Dibenzo[a,h]anthracene	8.691	278	3236M1	8.879	ng/ml	
42) Benzo[g,h,i]perylene	8.996	276	3632	9.112	ng/ml	100

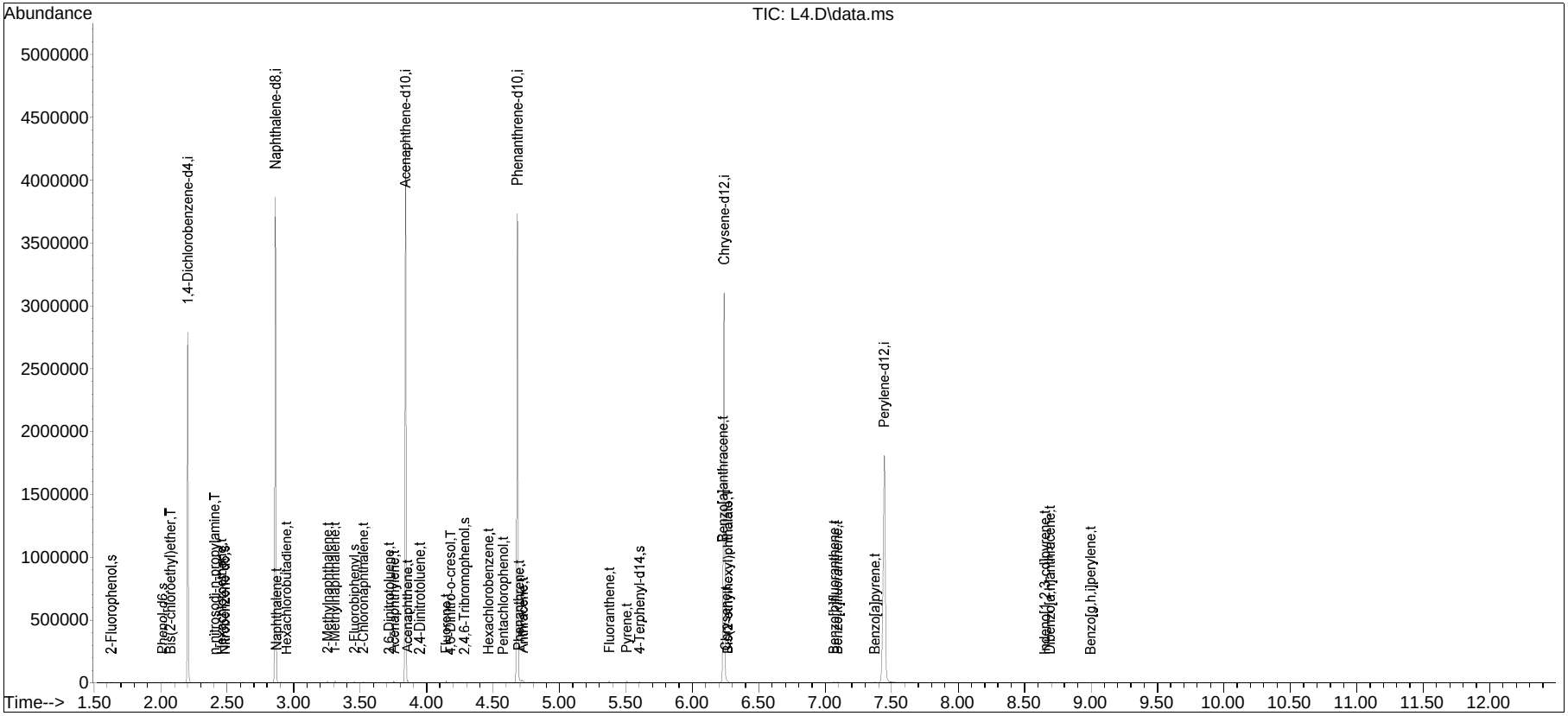
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

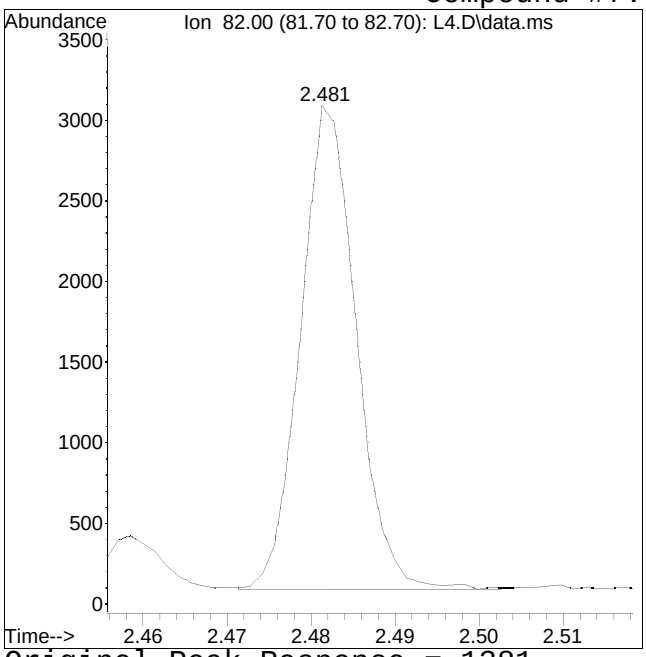
Sub List : Default - All compounds listedical\L8.D•



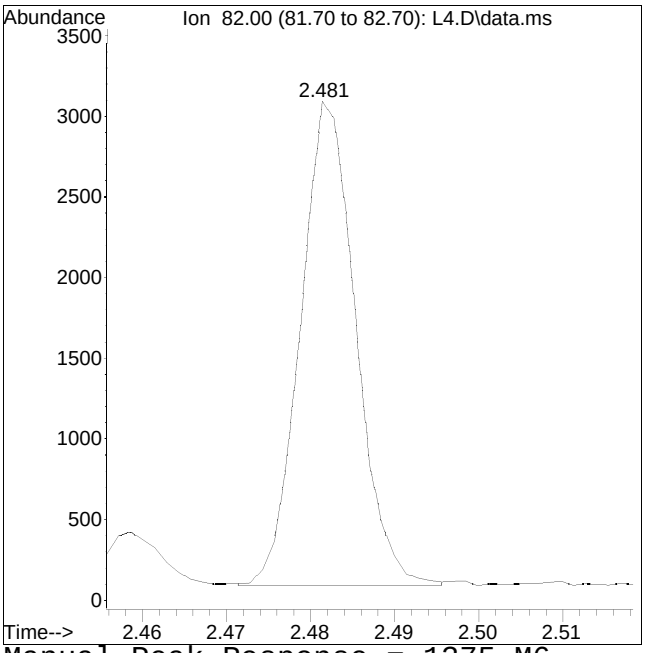
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #7: Nitrobenzene-d5



Original Peak Response = 1381



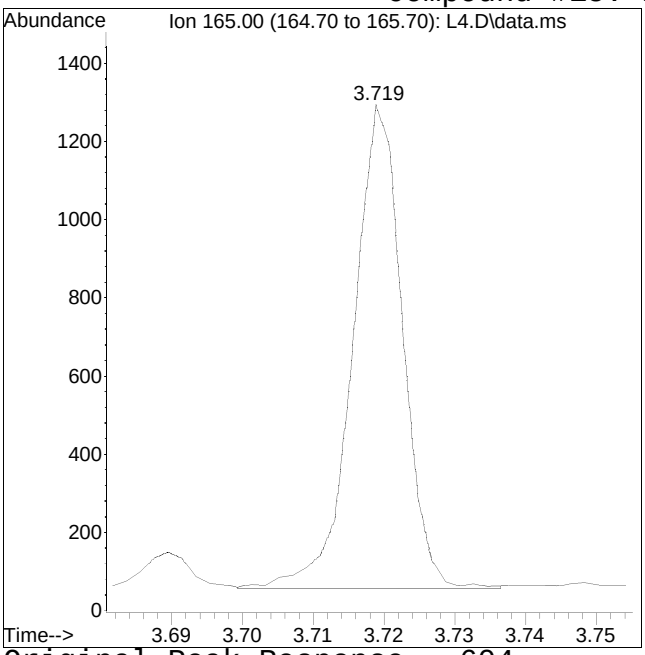
Manual Peak Response = 1375 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

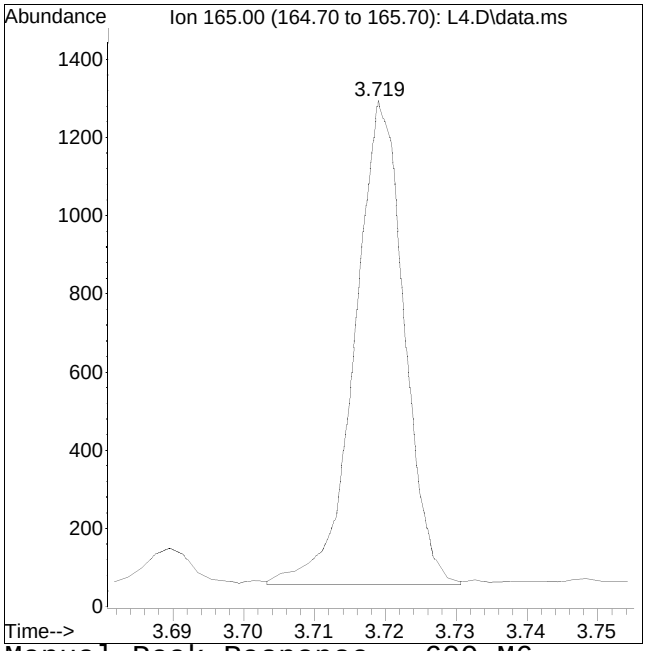
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 604



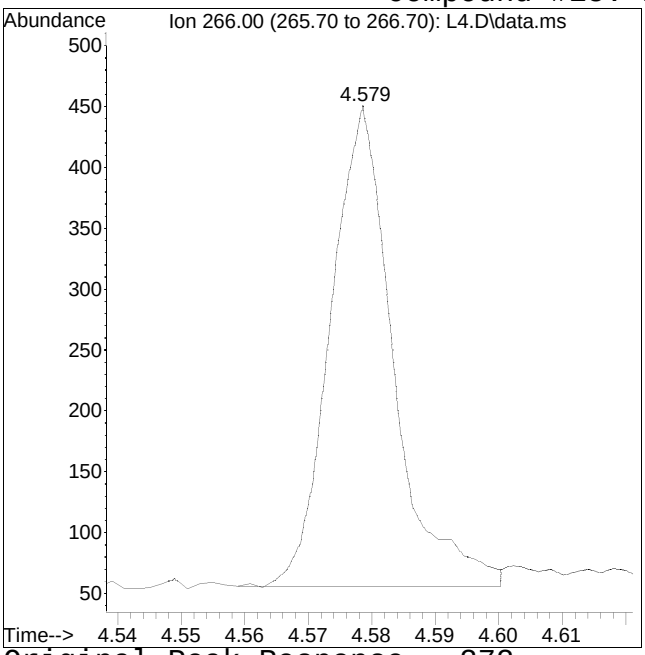
Manual Peak Response = 600 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

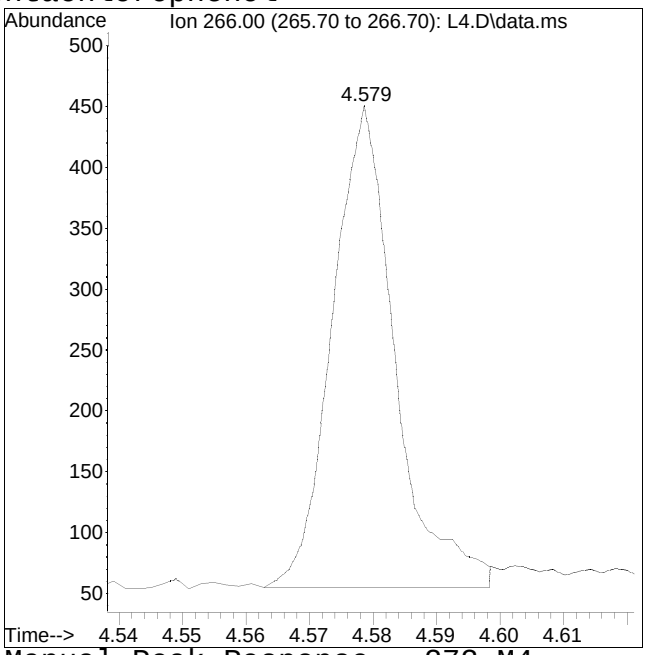
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #25: Pentachlorophenol



Original Peak Response = 272



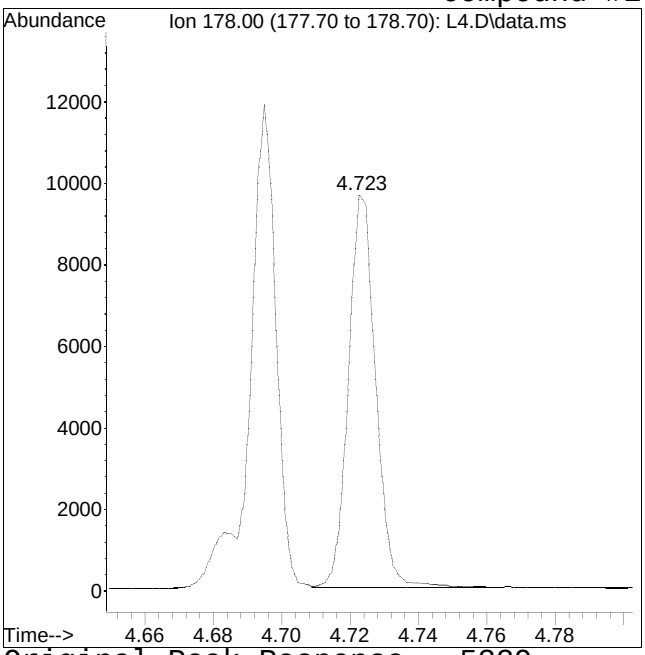
Manual Peak Response = 272 M4

M4 = Poor automated baseline construction.

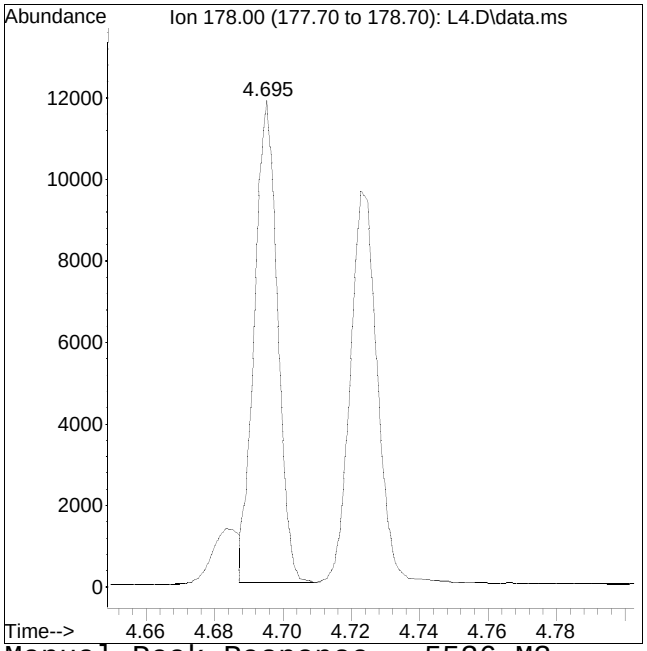
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L4.D Operator : SV118:rp
Date Inj'd : 2/3/2025 5:29 pm Instrument : SV118
Sample : IL4,32,, #11285 10 ng/ml Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 5339



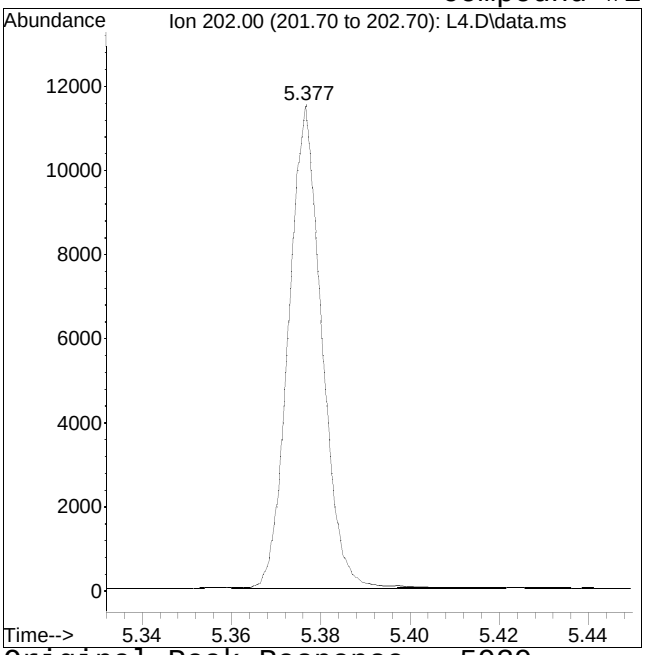
Manual Peak Response = 5536 M3

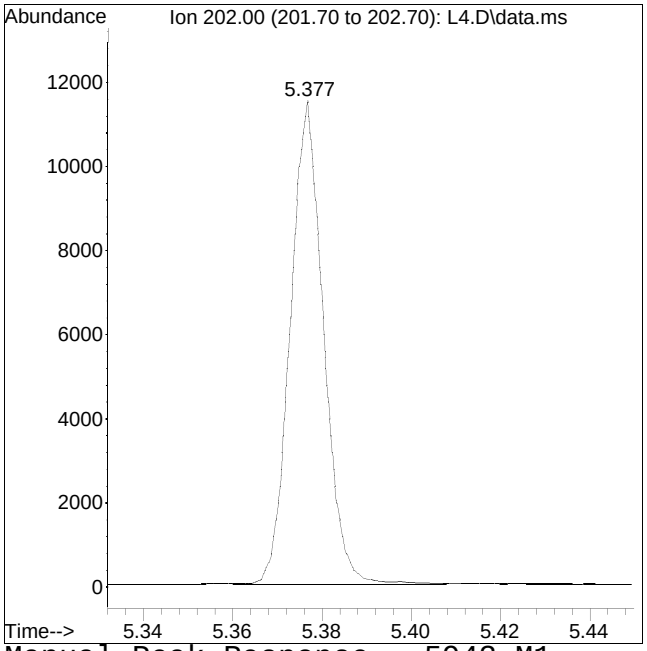
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #28: Fluoranthene





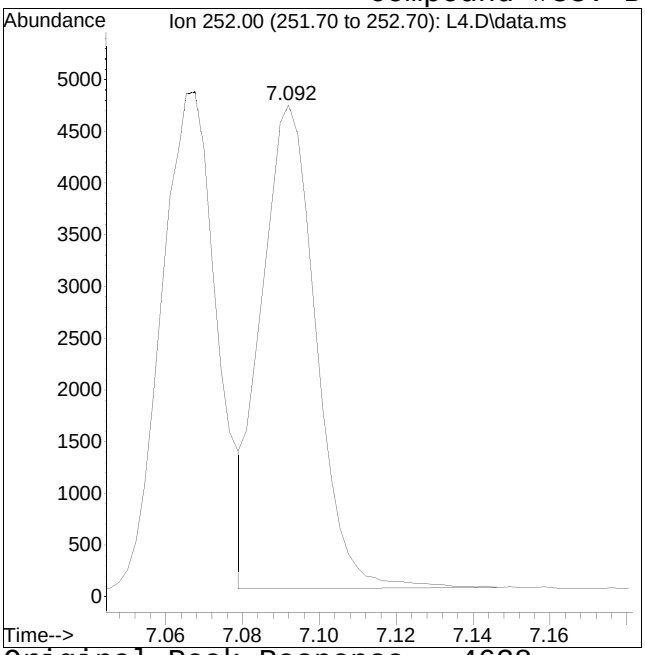
Original Peak Response = 5939 Manual Peak Response = 5943 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

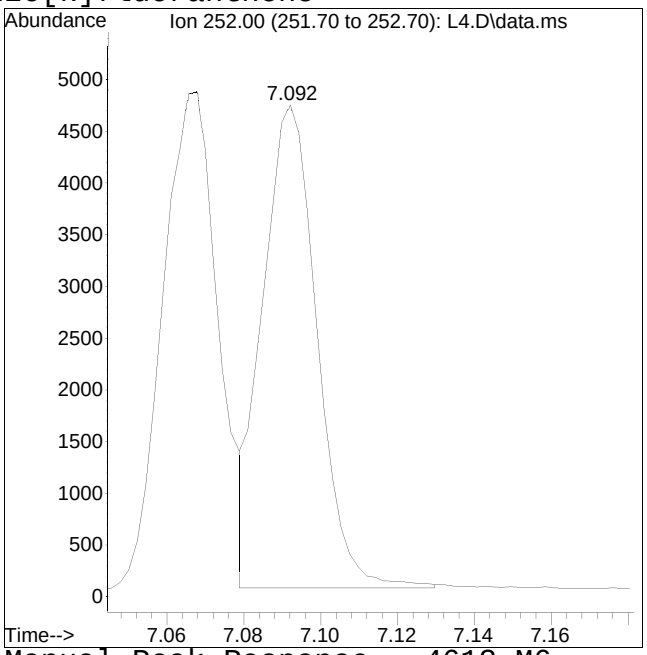
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 4638



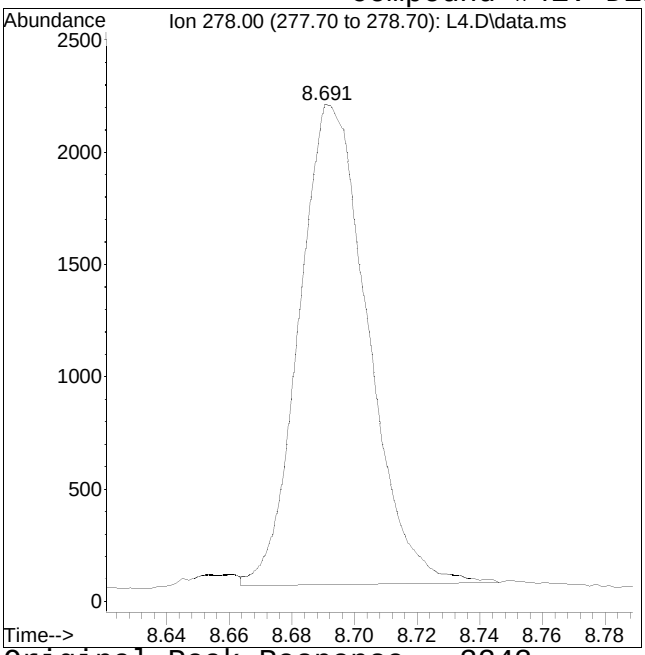
Manual Peak Response = 4613 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

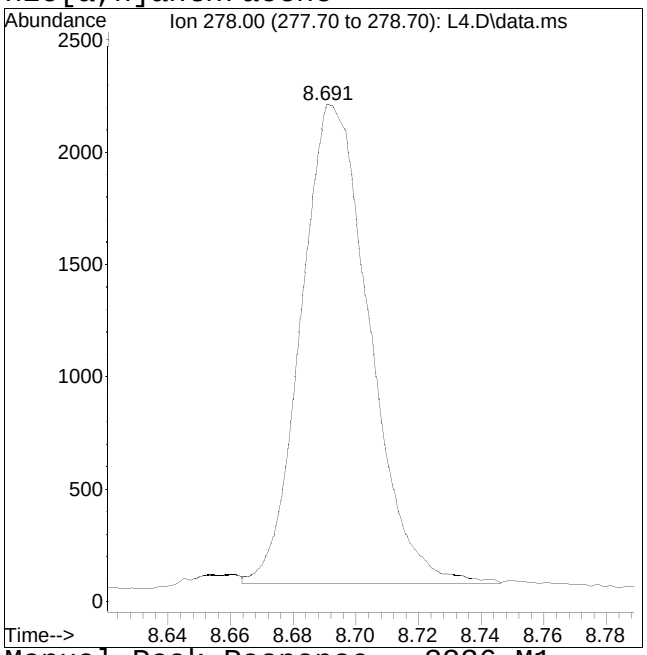
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3243



Manual Peak Response = 3236 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	493524	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery	= 104.03%		
8) Naphthalene-d8	2.861	136	1774159	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery	= 101.05%		
17) Acenaphthene-d10	3.840	164	985685	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery	= 99.98%		
22) Phenanthrene-d10	4.683	188	1948289	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery	= 98.97%		
31) Chrysene-d12	6.235	240	1853197	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery	= 99.27%		
36) Perylene-d12	7.446	264	1705671	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery	= 92.31%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.622	112	743	4.923	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.25%#		
3) Phenol-d6	2.012	99	881	4.872	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.24%#		
7) Nitrobenzene-d5	2.481	82	681	4.612	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.46%#		
13) 2-Fluorobiphenyl	3.461	172	1948	5.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.50%#		
21) 2,4,6-Tribromophenol	4.286	330	179	3.926	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.20%#		
30) 4-Terphenyl-d14	5.603	244	2270	5.016	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.50%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.068	93	896	5.581	ng/ml	91
5) n-nitrosodi-n-propylamine	2.406	70	484	4.701	ng/ml	99
6) Hexachloroethane	2.457	117	345	5.137	ng/ml	94
9) Naphthalene	2.872	128	2592	5.142	ng/ml	98
10) Hexachlorobutadiene	2.946	225	469	5.195	ng/ml	99
11) 2-Methylnaphthalene	3.255	142	1554	4.954	ng/ml	99
12) 1-Methylnaphthalene	3.310	142	1579	4.953	ng/ml	98
14) 2-Chloronaphthalene	3.525	162	1699	5.006	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.756	152	2425	4.673	ng/ml	98
18) Acenaphthene	3.856	153	1798M6	5.124	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.149	166	1899	4.922	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.466	284	644	4.991	ng/ml	99
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.695	178	3015M3	5.104	ng/ml	
27) Anthracene	4.723	178	2815	4.808	ng/ml	100
28) Fluoranthene	5.377	202	3317	4.938	ng/ml	100
29) Pyrene	5.506	202	3433	4.938	ng/ml	99
32) Benzo[a]anthracene	6.230	226	1237	6.317	ng/ml#	1
33) 3,3'-Dichlorobenzidine	6.215	252	858	3.466	ng/ml	97
34) Chrysene	6.250	228	3159	4.941	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.266	149	1334	31.123	ng/ml	100
37) Benzo[b]fluoranthene	7.063	252	2723	4.848	ng/ml	98
38) Benzo[k]fluoranthene	7.090	252	2396M6	4.490	ng/ml	
39) Benzo[a]pyrene	7.373	252	2094	4.480	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.658	276	1841	4.443	ng/ml	99
41) Dibenzo[a,h]anthracene	8.691	278	1675M1	4.184	ng/ml	
42) Benzo[g,h,i]perylene	8.994	276	1966	4.490	ng/ml	99

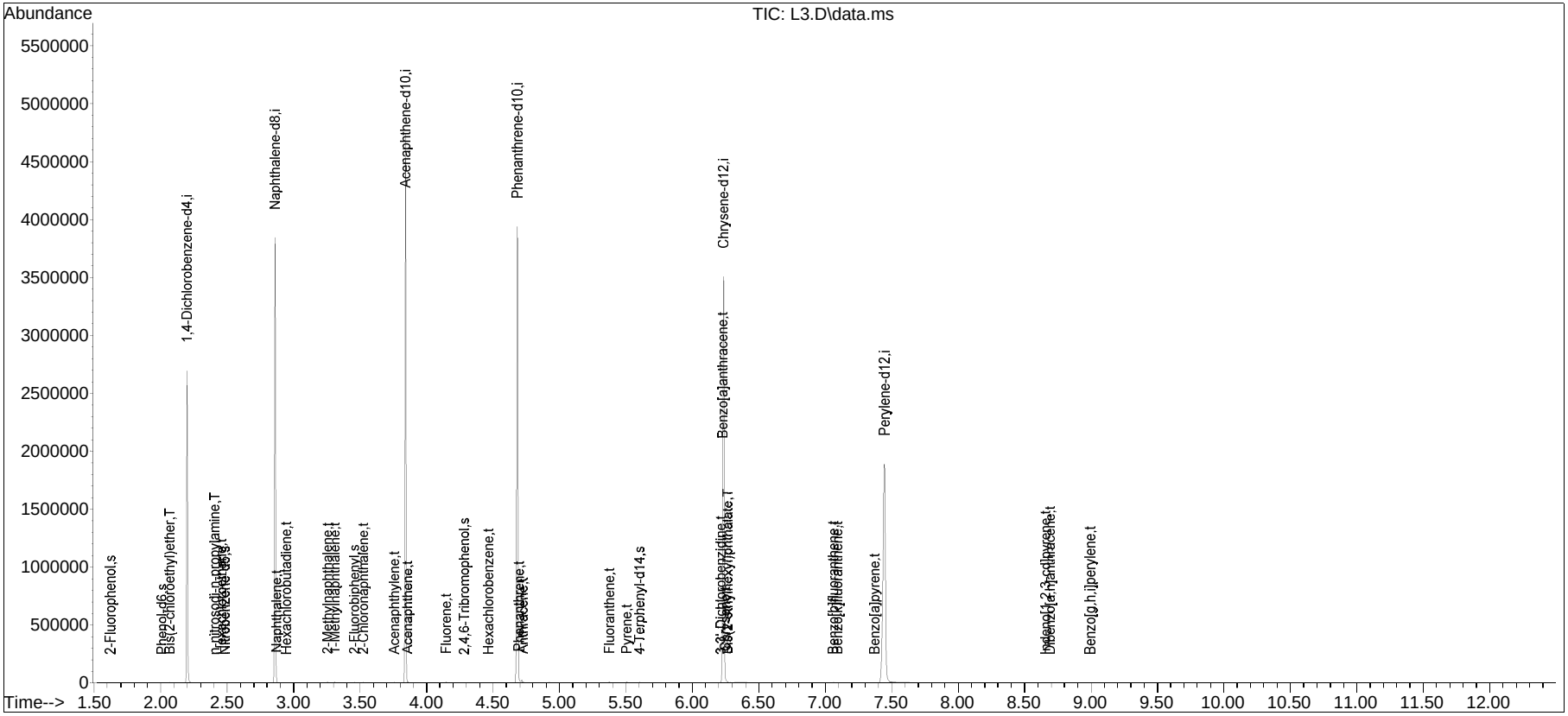
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

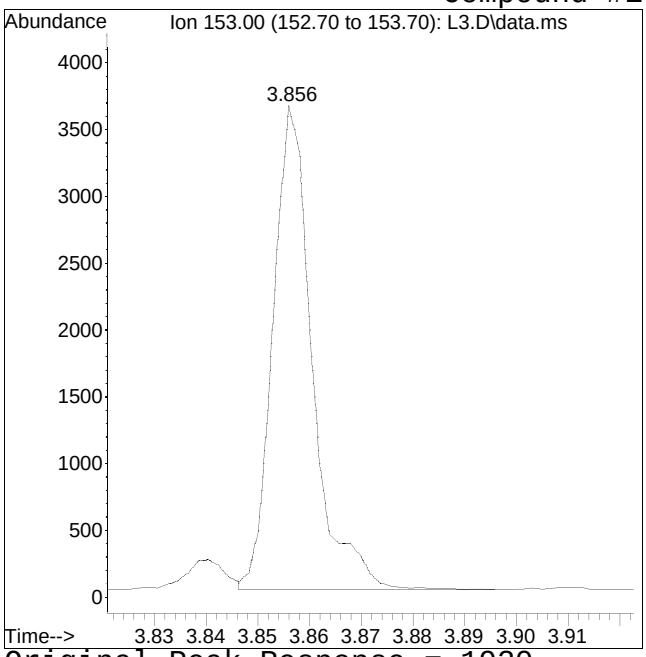


Manual Integration Report

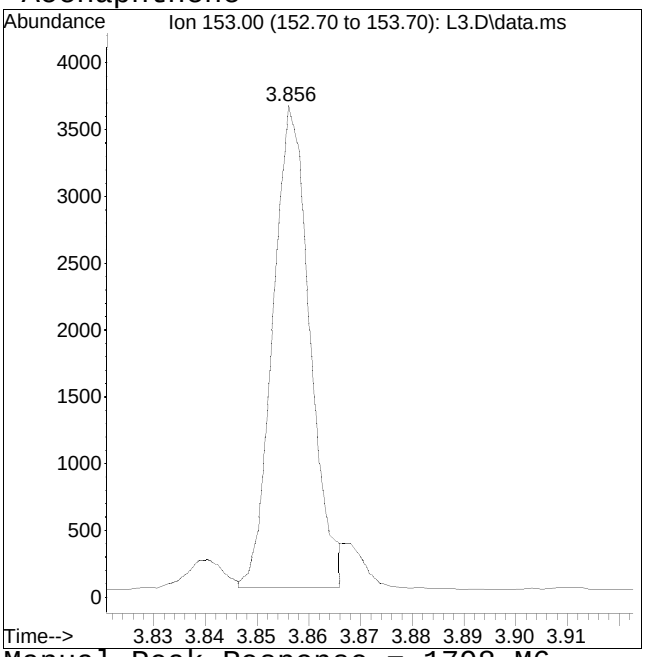
Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml

Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #18: Acenaphthene



Original Peak Response = 1920



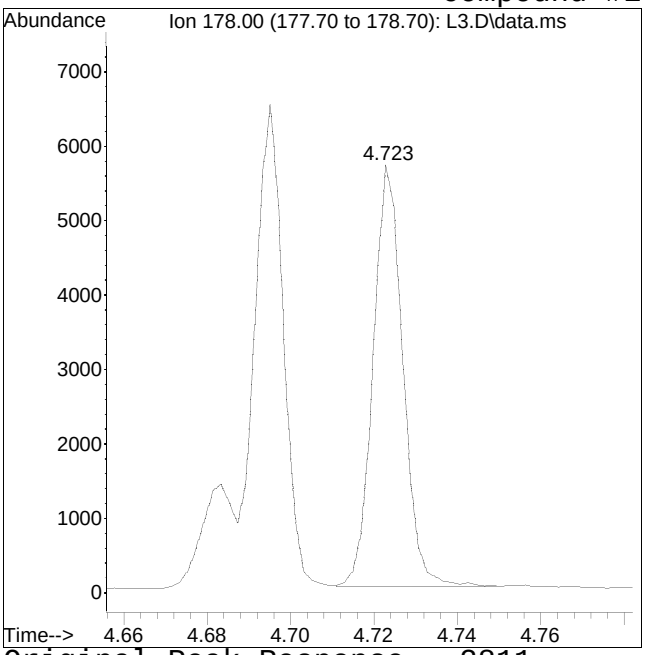
Manual Peak Response = 1798 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

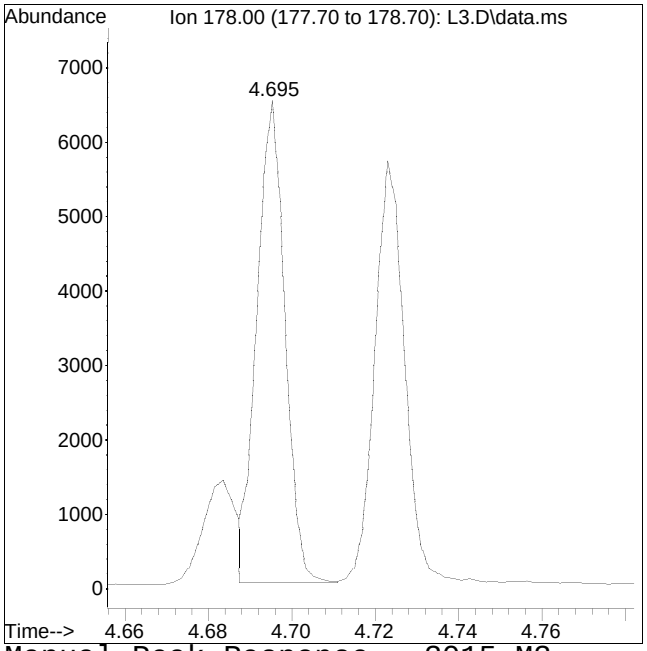
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 2811



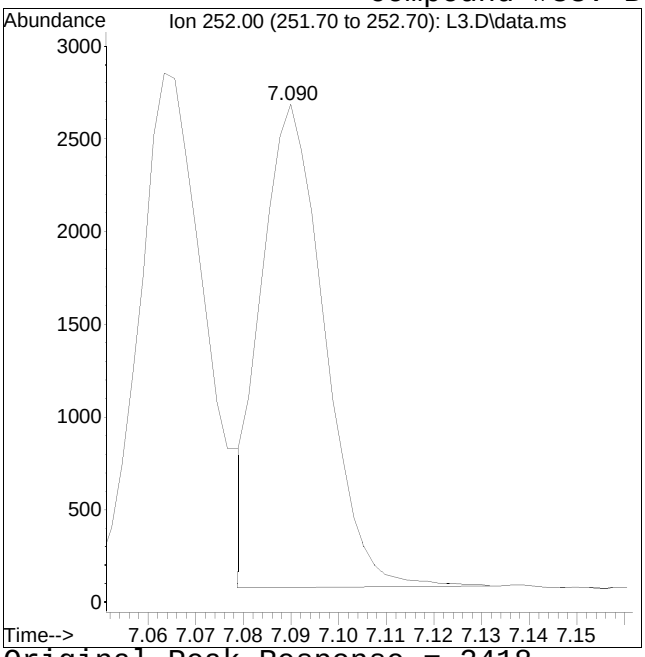
Manual Peak Response = 3015 M3

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

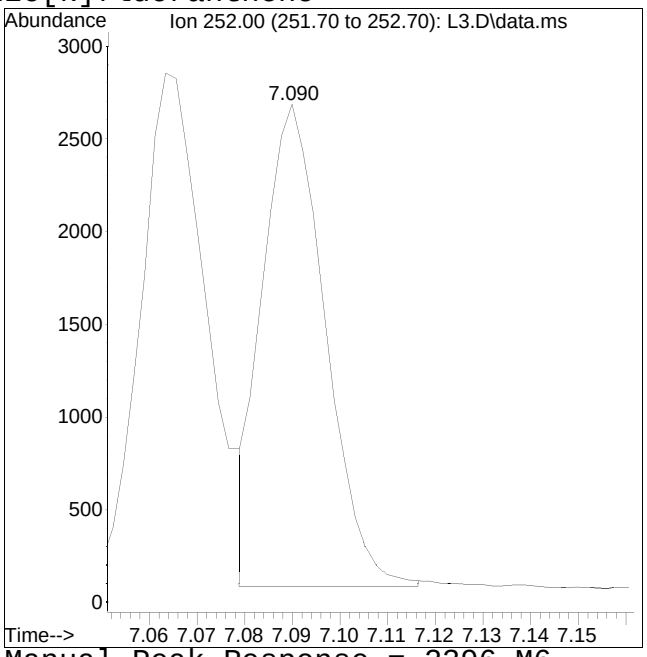
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2418



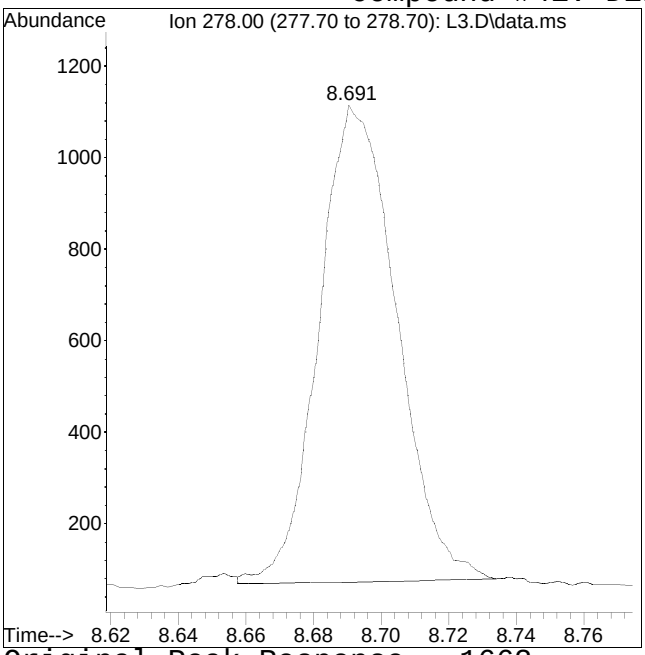
Manual Peak Response = 2396 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

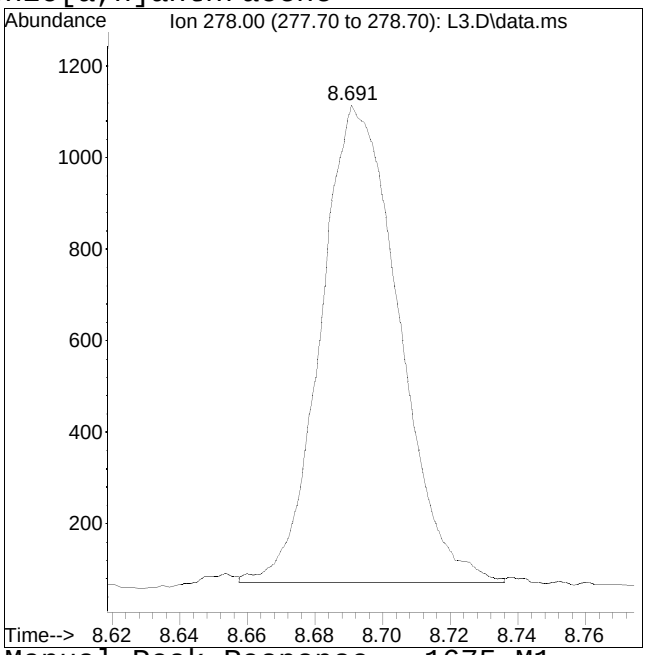
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1662



Manual Peak Response = 1675 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	550239	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 115.99%			
8) Naphthalene-d8	2.863	136	1976420	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 112.57%			
17) Acenaphthene-d10	3.841	164	1107818	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 112.36%			
22) Phenanthrene-d10	4.685	188	2195296	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 111.51%			
31) Chrysene-d12	6.237	240	2122774	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 113.71%			
36) Perylene-d12	7.445	264	1992063	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 107.81%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.621	112	341	2.027	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
3) Phenol-d6	2.012	99	423	2.098	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.481	82	322	1.956	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
13) 2-Fluorobiphenyl	3.462	172	985	2.276	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.23%#			
21) 2,4,6-Tribromophenol	4.288	330	93	1.815	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
30) 4-Terphenyl-d14	5.603	244	1091	2.139	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.873	128	1314M6	2.340	ng/ml	
10) Hexachlorobutadiene	2.945	225	204	2.029	ng/ml	92
11) 2-Methylnaphthalene	3.255	142	778	2.226	ng/ml	99
12) 1-Methylnaphthalene	3.310	142	780	2.196	ng/ml	99
14) 2-Chloronaphthalene	3.526	162	797	2.108	ng/ml	100
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.758	152	1175	2.032	ng/ml	98
18) Acenaphthene	3.858	153	874	2.216	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.151	166	936	2.159	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.468	284	318	2.187	ng/ml	97
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.697	178	1387M3	2.084	ng/ml	
27) Anthracene	4.725	178	1386	2.101	ng/ml	98
28) Fluoranthene	5.377	202	1564	2.066	ng/ml	99
29) Pyrene	5.508	202	1614	2.060	ng/ml	99
32) Benzo[a]anthracene	6.236	226	833	3.714	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.251	228	1440	1.966	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.264	149	975	30.055	ng/ml	100
37) Benzo[b]fluoranthene	7.063	252	1311	1.999	ng/ml	97
38) Benzo[k]fluoranthene	7.089	252	1254	2.012	ng/ml	99
39) Benzo[a]pyrene	7.372	252	1017	1.863	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.655	276	880	1.818	ng/ml	98
41) Dibenzo[a,h]anthracene	8.694	278	832M4	1.779	ng/ml	
42) Benzo[g,h,i]perylene	8.993	276	938	1.834	ng/ml	97

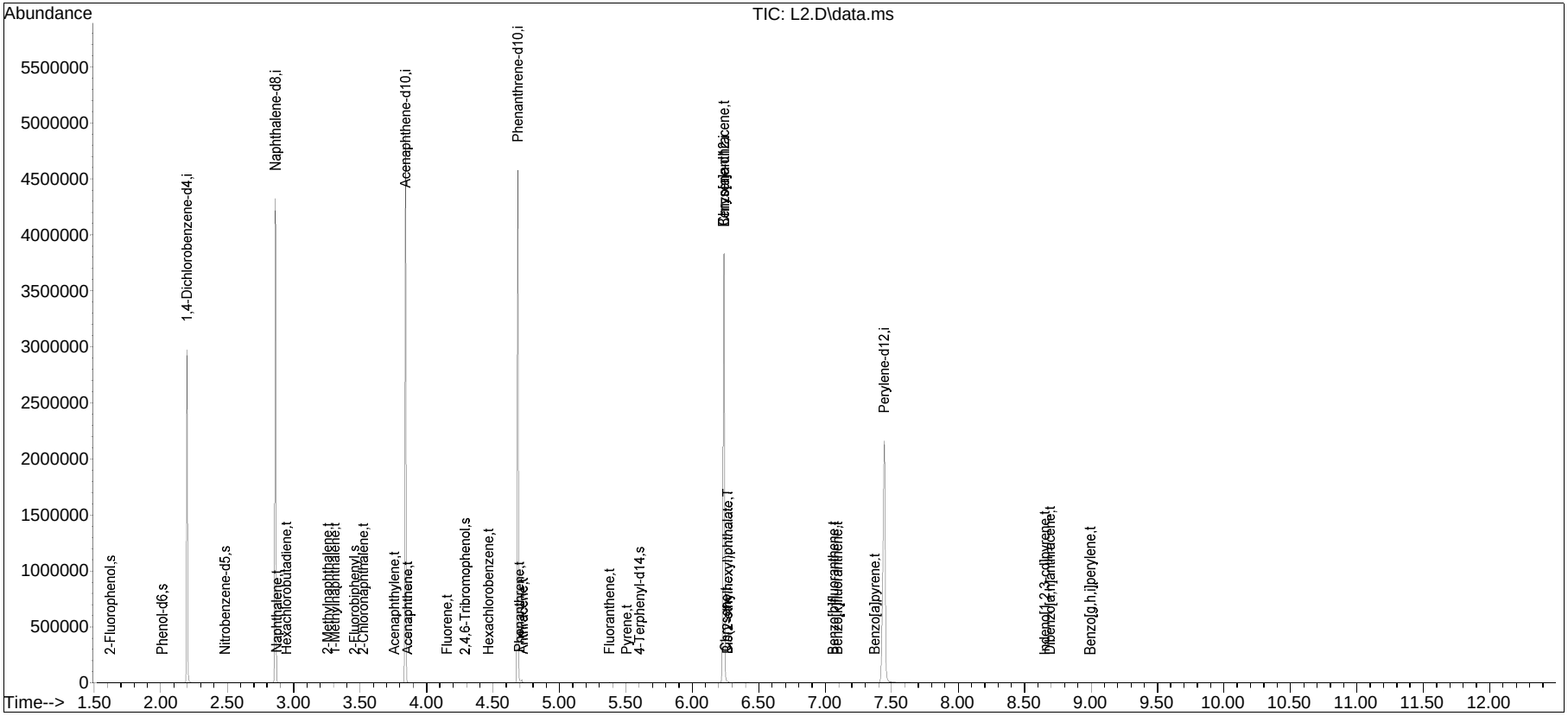
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

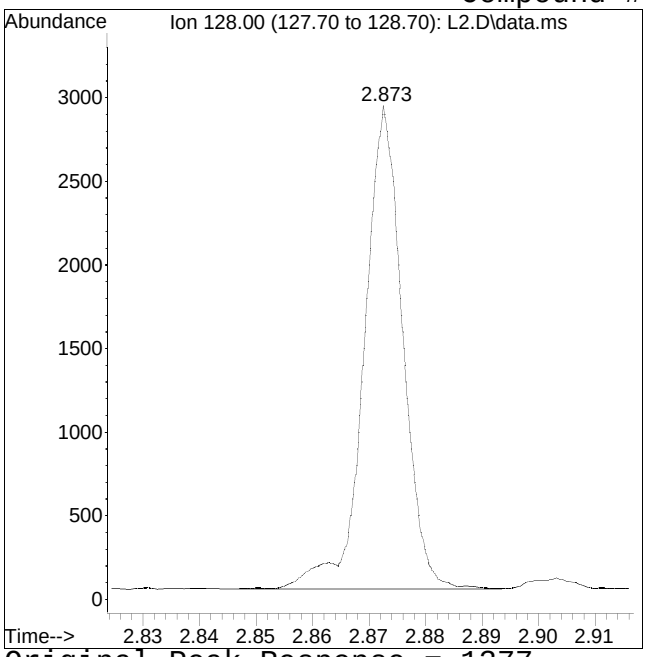


Manual Integration Report

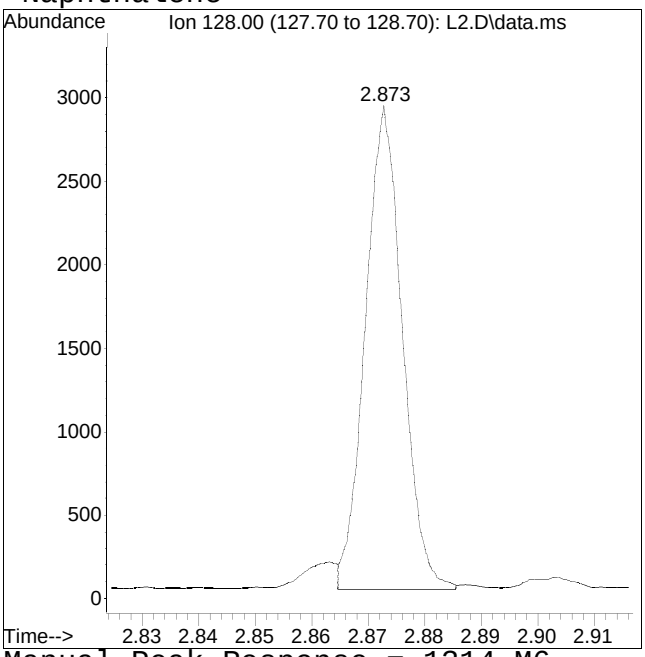
Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml

Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #9: Naphthalene



Original Peak Response = 1377



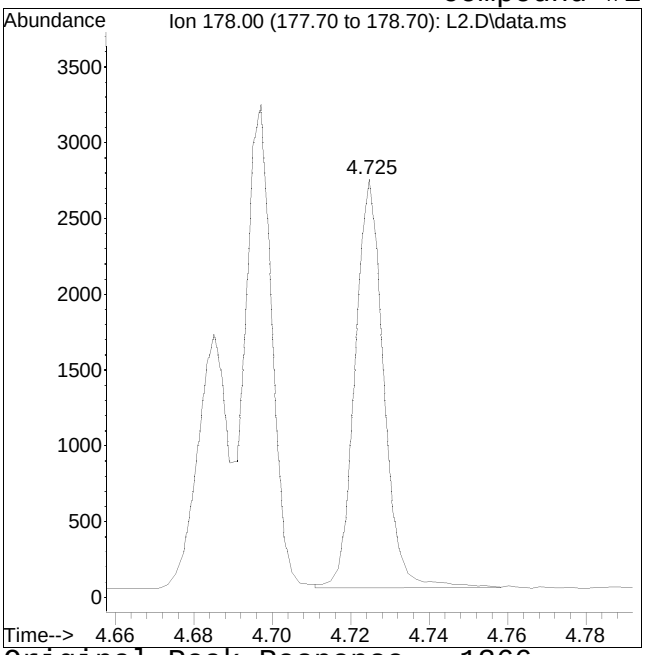
Manual Peak Response = 1314 M6

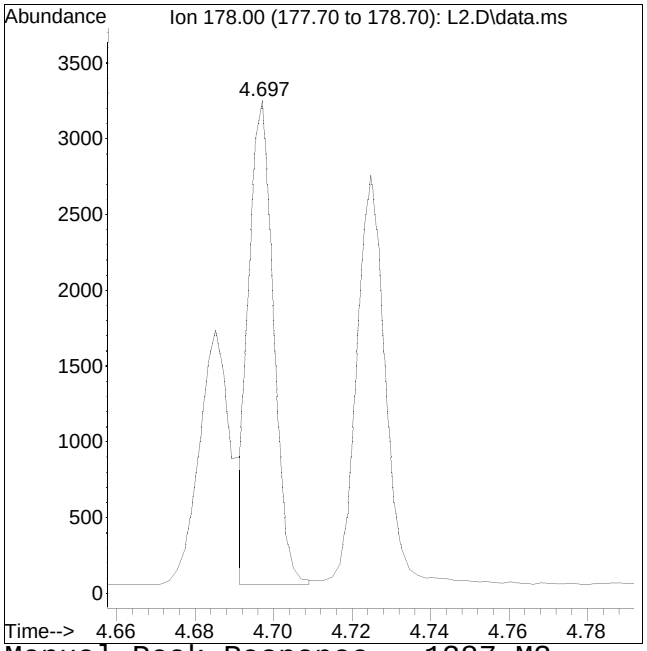
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene





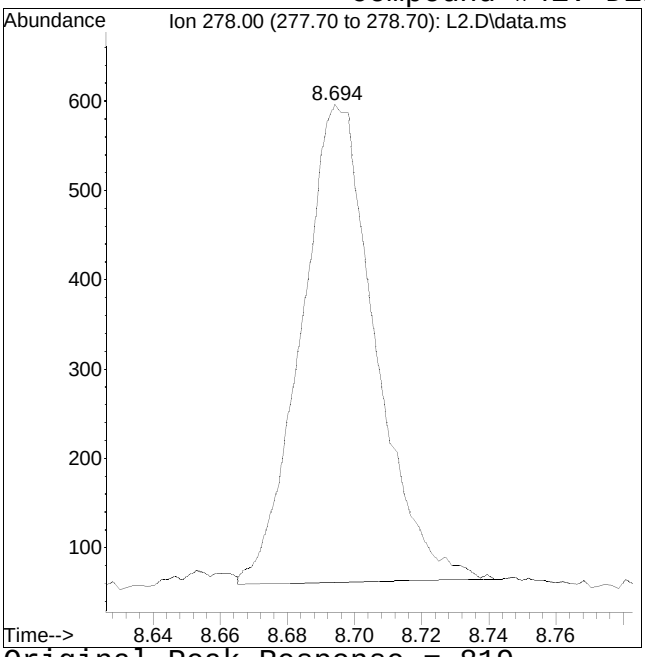
Original Peak Response = 1366 Manual Peak Response = 1387 M3

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

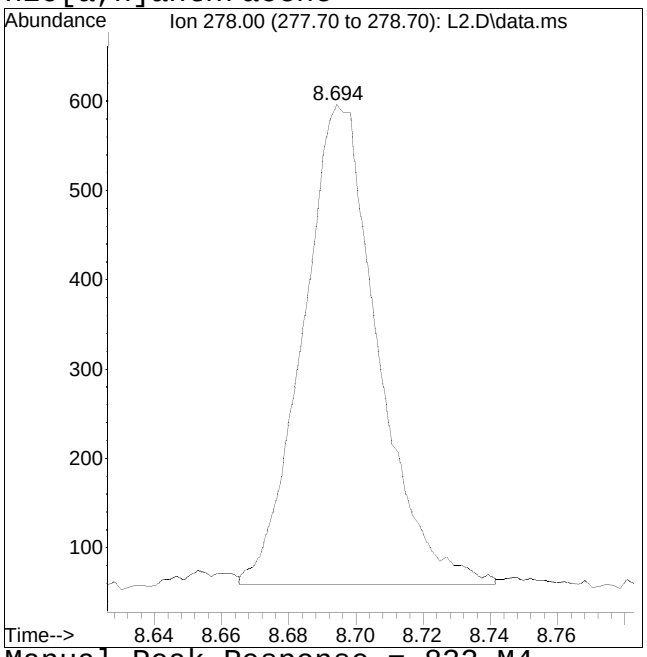
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 819



Manual Peak Response = 832 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	469241	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 98.91%			
8) Naphthalene-d8	2.863	136	1685425	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 96.00%			
17) Acenaphthene-d10	3.841	164	931339	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 94.46%			
22) Phenanthrene-d10	4.686	188	1832132	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 93.07%			
31) Chrysene-d12	6.237	240	1793001	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 96.04%			
36) Perylene-d12	7.446	264	1697473	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 91.87%			
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
7) Nitrobenzene-d5	2.481	82	144	1.026	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.462	172	396	1.073	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	4.286	330	43	0.998	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
30) 4-Terphenyl-d14	5.604	244	482	1.132	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
12) 1-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.757	152	477	0.968	ng/ml	100
18) Acenaphthene	3.859	153	375	1.131	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.149	166	379	1.040	ng/ml	97
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.698	178	596M6	1.073	ng/ml	
27) Anthracene	4.725	178	583	1.059	ng/ml	98
28) Fluoranthene	5.380	202	692	1.095	ng/ml	100
29) Pyrene	5.506	202	710	1.086	ng/ml	99
32) Benzo[a]anthracene	6.236	226	549	2.898	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.250	228	623	1.007	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.068	252	568	1.016	ng/ml	96
38) Benzo[k]fluoranthene	7.093	252	498	0.938	ng/ml	96
39) Benzo[a]pyrene	7.376	252	440	0.946	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.660	276	401	0.972	ng/ml	99
41) Dibenzo[a,h]anthracene	8.697	278	376	0.944	ng/ml	98
42) Benzo[g,h,i]perylene	8.996	276	439	1.007	ng/ml	100

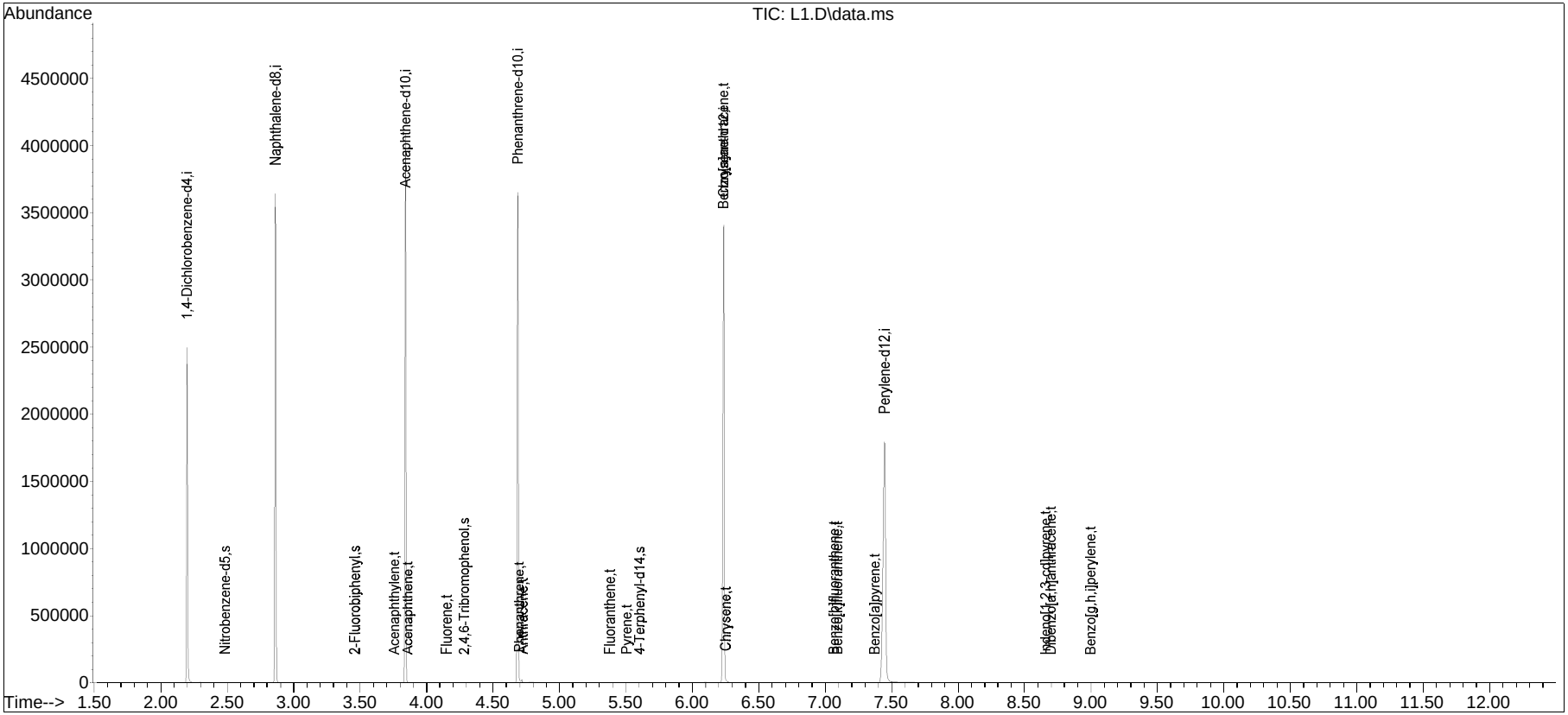
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

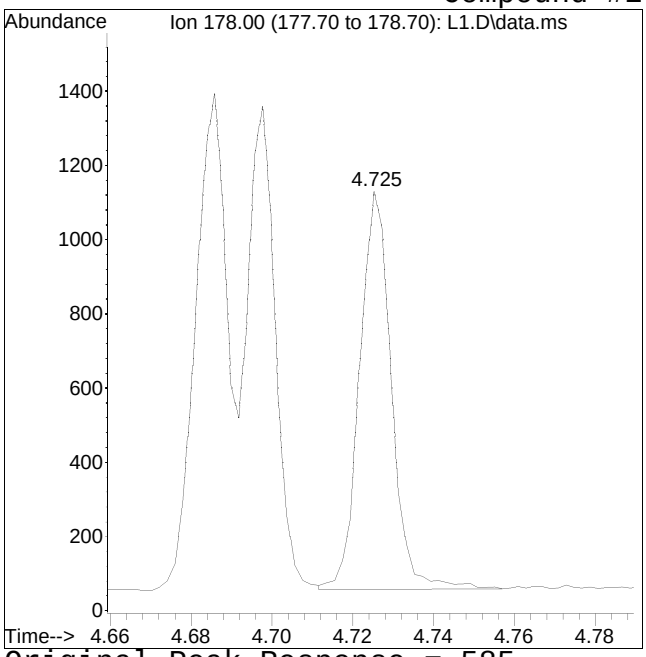
Sub List : Default - All compounds listedical\L8.D•



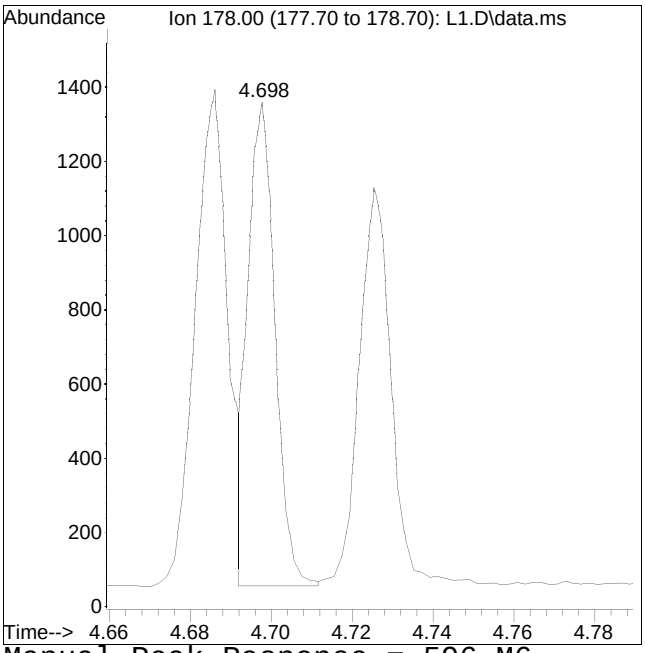
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L1.D
Date Inj'd : 2/3/2025 6:20 pm
Sample : IL1,32,, #11288 1 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 585



Manual Peak Response = 596 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:31:33 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Feb 07 14:32:41 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	s	2-Fluorophenol	1.223	1.171	4.3	90	0.00
3	s	Phenol-d6	1.466	1.386	5.5	89	0.00
4	T	Bis(2-chloroethyl)ether	1.301	1.233	5.2	92	0.00
5	T	n-nitrosodi-n-propylamine	0.835	0.832	0.4	89	0.00
6	t	Hexachloroethane	0.544	0.530	2.6	92	0.00
7	s	Nitrobenzene-d5	1.197	1.210	-1.1	91	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	95	0.00
9	t	Naphthalene	1.137	1.056	7.1	91	0.00
10	t	Hexachlorobutadiene	0.204	0.192	5.9	90	0.00
11	t	2-Methylnaphthalene	0.707	0.678	4.1	92	0.00
12	t	1-Methylnaphthalene	0.719	0.695	3.3	93	0.00
13	s	2-Fluorobiphenyl	0.876	0.842	3.9	95	0.00
14	t	2-Chloronaphthalene	0.765	0.737	3.7	92	0.00
15	t	2,6-Dinitrotoluene	0.170	0.171	-0.6	88	0.00
16	t	Acenaphthylene	1.170	1.224	-4.6	94	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
18	t	Acenaphthene	1.424	1.335	6.2	92	0.00
19	t	2,4-Dinitrotoluene	0.411	0.411	0.0	87	0.00
20	t	Fluorene	1.566	1.532	2.2	93	0.00
21	s	2,4,6-Tribromophenol	0.185	0.197	-6.5	89	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	843.477	15.7	86	0.00
24	t	Hexachlorobenzene	0.265	0.252	4.9	92	0.00
25	t	Pentachlorophenol	*1000.000	964.113	3.6	88	0.00
26	t	Phenanthrene	1.211	1.145	5.5	92	0.00
27	t	Anthracene	1.202	1.188	1.2	93	0.00
28	t	Fluoranthene	1.379	1.343	2.6	92	0.00
29	t	Pyrene	1.427	1.410	1.2	92	0.00
30	s	4-Terphenyl-d14	0.929	0.918	1.2	96	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	95	0.00
32	t	Benzo[a]anthracene	0.423	0.387	8.5	90	0.00
33	t	3,3'-Dichlorobenzidine	0.534	0.541	-1.3	89	0.00
34	t	Chrysene	1.380	1.318	4.5	91	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	873.437	12.7	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:31:33 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Feb 07 14:32:41 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	95	0.00
37	t	Benzo[b]fluoranthene	1.316	1.279	2.8	90	0.00
38	t	Benzo[k]fluoranthene	1.252	1.326	-5.9	94	0.00
39	t	Benzo[a]pyrene	1.095	1.179	-7.7	93	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.971	1.003	-3.3	90	0.00
41	t	Dibenzo[a,h]anthracene	0.937	0.994	-6.1	89	0.01
42	t	Benzo[g,h,i]perylene	1.026	1.027	-0.1	88	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	449560	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 94.76%			
8) Naphthalene-d8	2.863	136	1669889	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 95.11%			
17) Acenaphthene-d10	3.843	164	948422	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 96.20%			
22) Phenanthrene-d10	4.688	188	1875760	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.28%			
31) Chrysene-d12	6.240	240	1781042	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 95.40%			
36) Perylene-d12	7.446	264	1753630	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 94.91%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.620	112	131626	957.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.87%			
3) Phenol-d6	2.012	99	155721	945.392	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.27%			
7) Nitrobenzene-d5	2.480	82	135999	1011.118	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.11%			
13) 2-Fluorobiphenyl	3.462	172	351710	961.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.18%			
21) 2,4,6-Tribromophenol	4.288	330	46793	1066.565	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.33%			
30) 4-Terphenyl-d14	5.606	244	430348	987.608	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.76%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	138533	947.214	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	93548	997.391	ng/ml	99
6) Hexachloroethane	2.457	117	59528	973.050	ng/ml	100
9) Naphthalene	2.873	128	440957	929.305	ng/ml	100
10) Hexachlorobutadiene	2.947	225	80293	944.995	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	283062	958.712	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	290156	966.941	ng/ml	100
14) 2-Chloronaphthalene	3.527	162	307878	963.775	ng/ml	100
15) 2,6-Dinitrotoluene	3.724	165	71414	1003.362	ng/ml	99
16) Acenaphthylene	3.761	152	510855	1045.833	ng/ml	100
18) Acenaphthene	3.861	153	316552	937.574	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	97432	999.493	ng/ml	97
20) Fluorene	4.152	166	363147	978.275	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.183	198	49821	843.477	ng/ml	99
24) Hexachlorobenzene	4.471	284	118374	952.846	ng/ml	100
25) Pentachlorophenol	4.583	266	61333	964.113	ng/ml	100
26) Phenanthrene	4.700	178	536900	945.389	ng/ml	100
27) Anthracene	4.727	178	557215	988.524	ng/ml	100
28) Fluoranthene	5.380	202	629910	973.881	ng/ml	99
29) Pyrene	5.510	202	661209	987.810	ng/ml	99
32) Benzo[a]anthracene	6.231	226	172280	915.459	ng/ml#	99
33) 3,3'-Dichlorobenzidine	6.219	252	241044	1013.157	ng/ml	100
34) Chrysene	6.254	228	586733	954.855	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.267	149	367276	873.437	ng/ml	100
37) Benzo[b]fluoranthene	7.073	252	560896	972.063	ng/ml	98
38) Benzo[k]fluoranthene	7.095	252	581465	1059.096	ng/ml	98
39) Benzo[a]pyrene	7.380	252	516672	1076.077	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.660	276	439757	1033.228	ng/ml	100
41) Dibenzo[a,h]anthracene	8.703	278	435769M6	1060.539	ng/ml	
42) Benzo[g,h,i]perylene	9.003	276	450098	1000.819	ng/ml	100

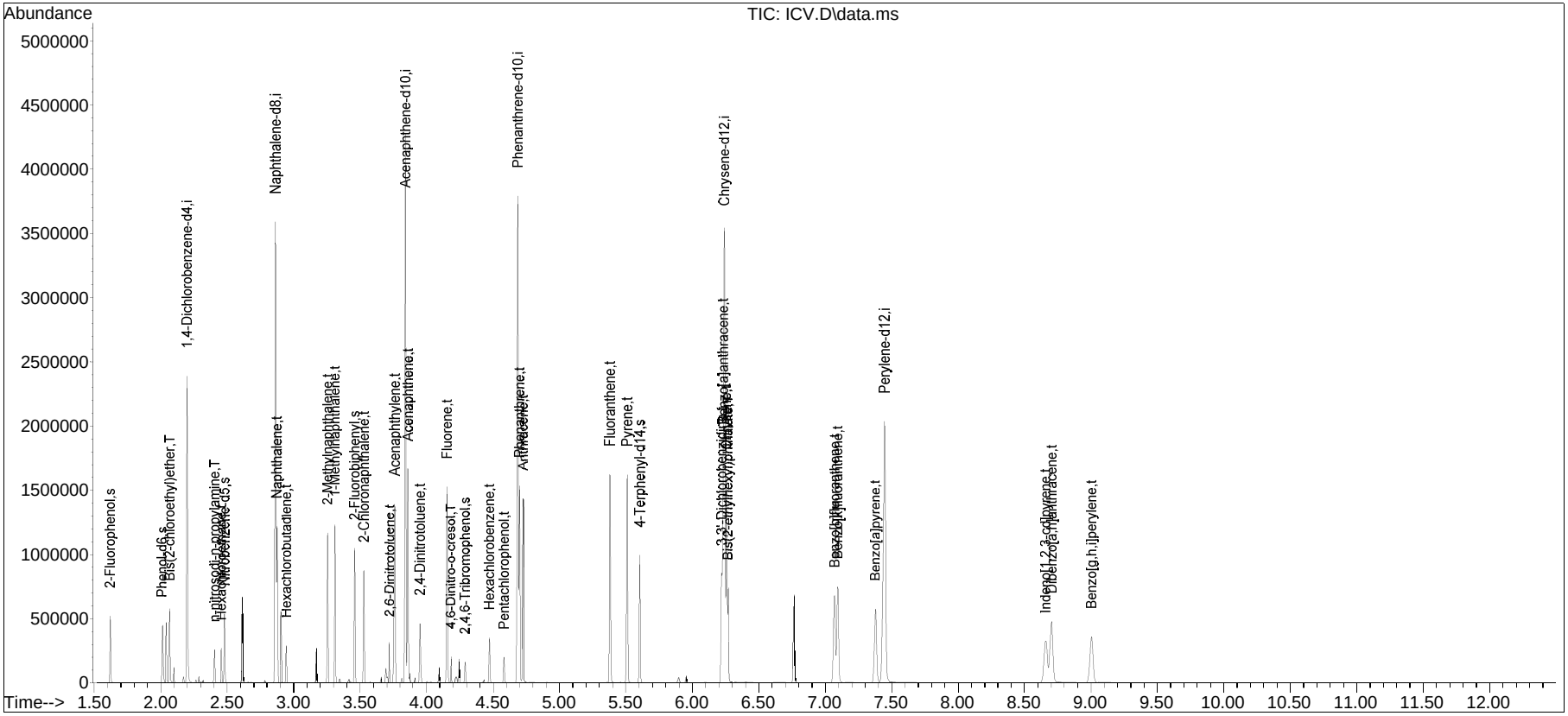
(#) = qualifier out of range (m) = manual integration (+) = signals summed

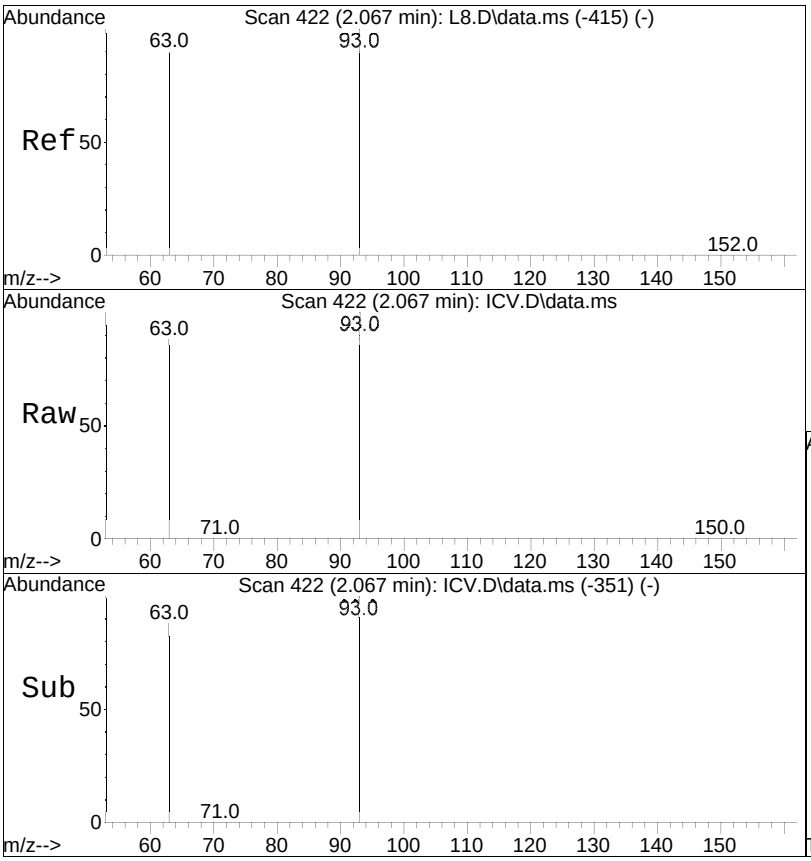
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

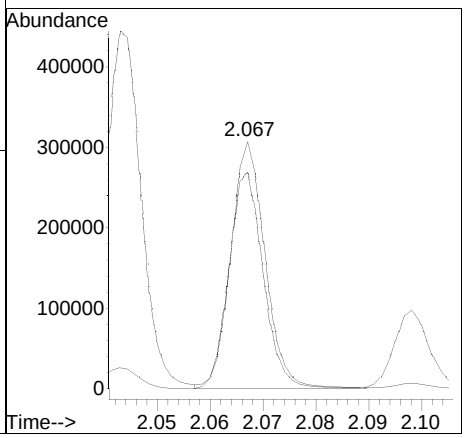


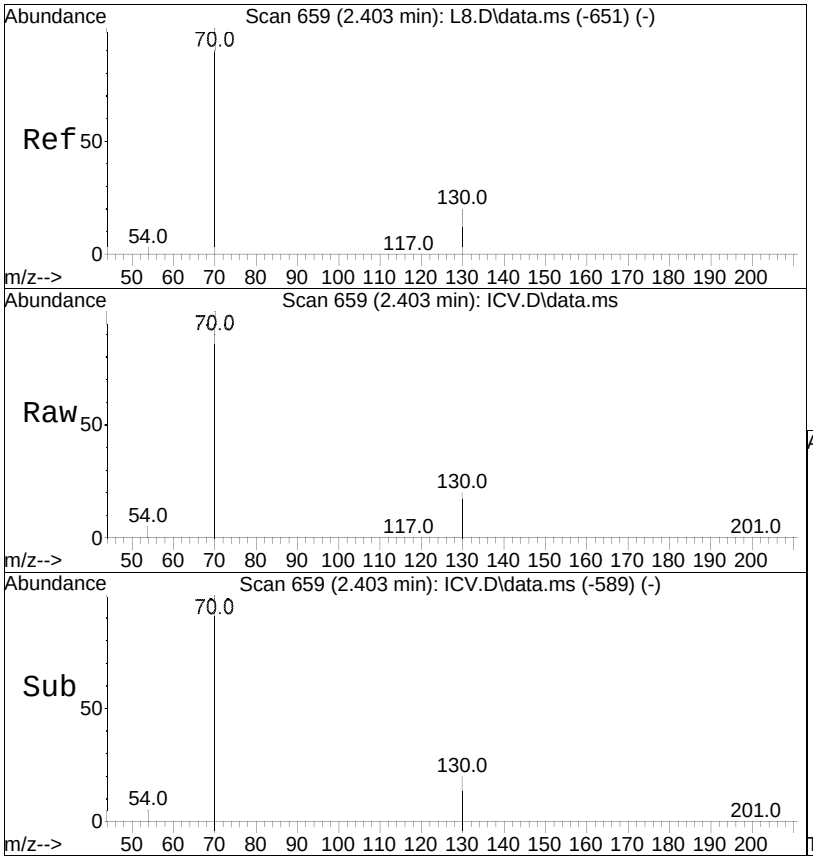


#4
Bis(2-chloroethyl)ether
Concen: 947.21 ng/ml
RT: 2.067 min Scan# 422
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion: 93 Resp: 138533

Ion	Ratio	Lower	Upper
93	100		
63	87.7	70.2	105.4

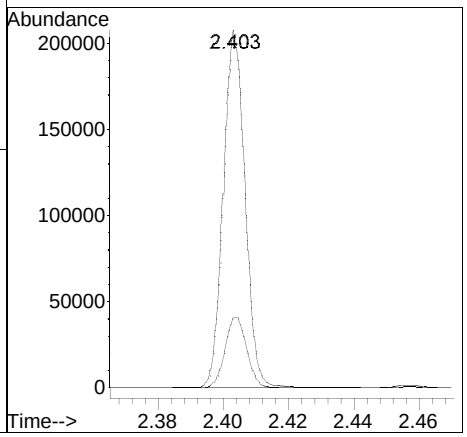


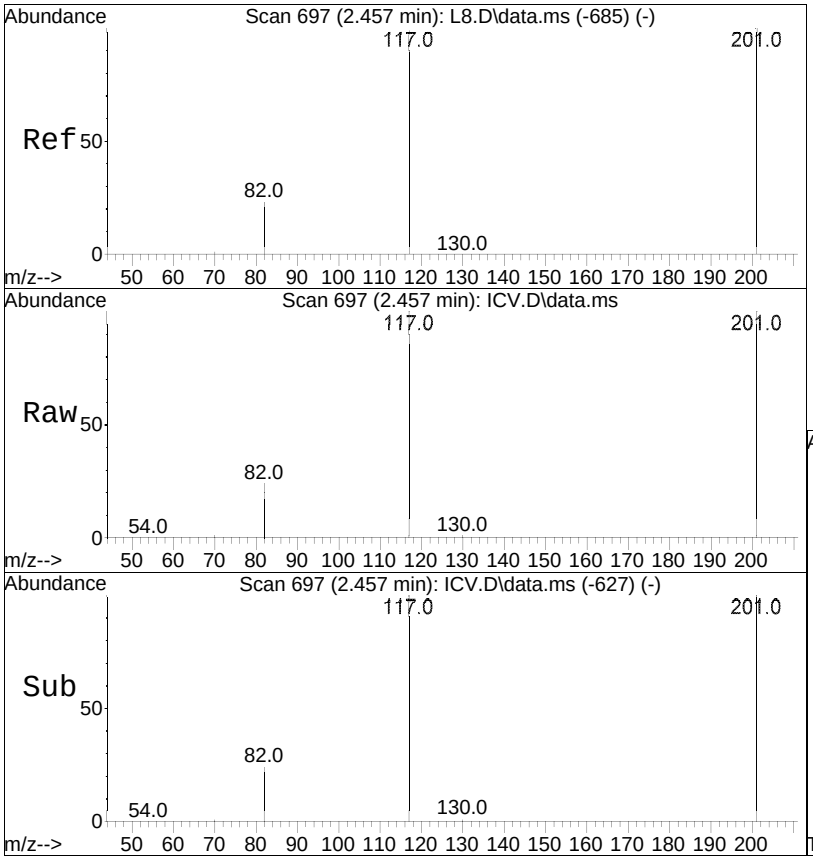


#5
n-nitrosodi-n-propylamine
Concen: 997.39 ng/ml
RT: 2.403 min Scan# 659
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion: 70 Resp: 93548

Ion	Ratio	Lower	Upper
70	100		
130	19.9	16.2	24.4

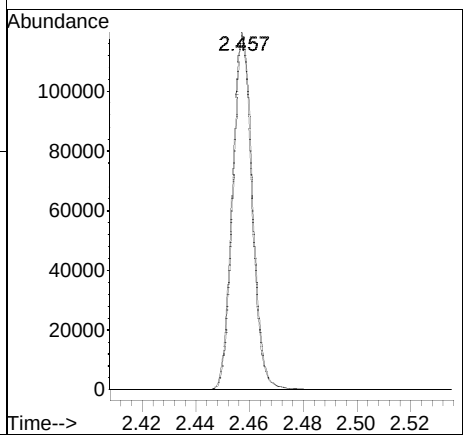


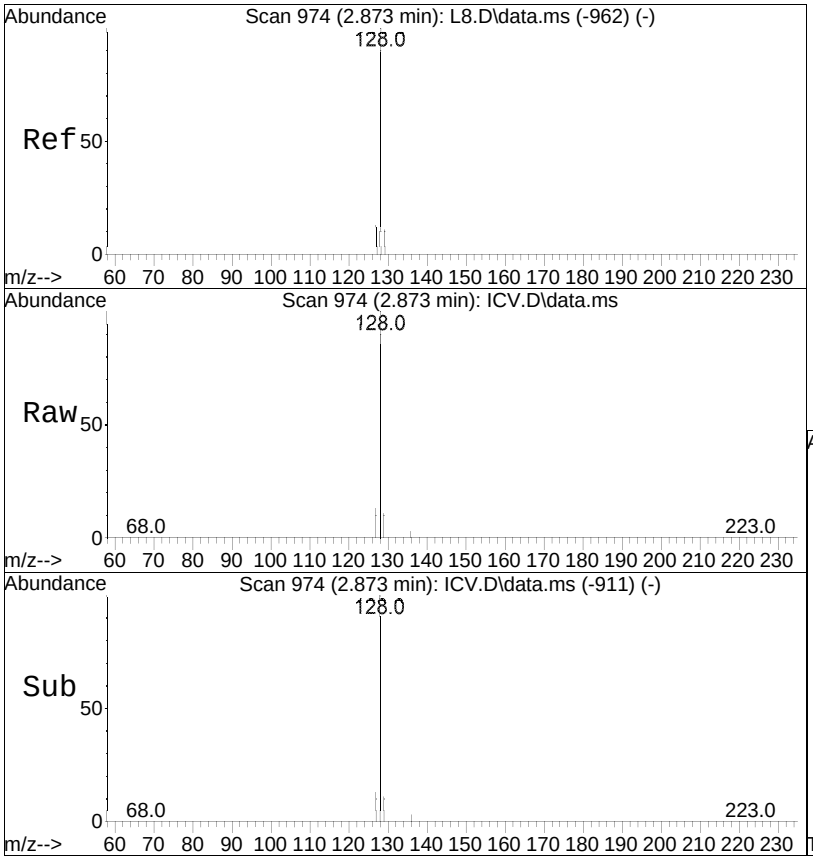


#6
Hexachloroethane
Concen: 973.05 ng/ml
RT: 2.457 min Scan# 697
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:117 Resp: 59528

Ion	Ratio	Lower	Upper
117	100		
201	100.3	80.5	120.7

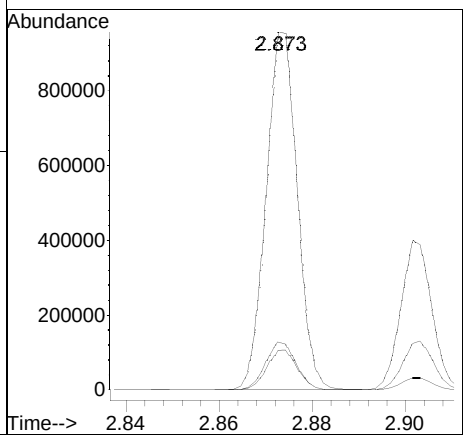


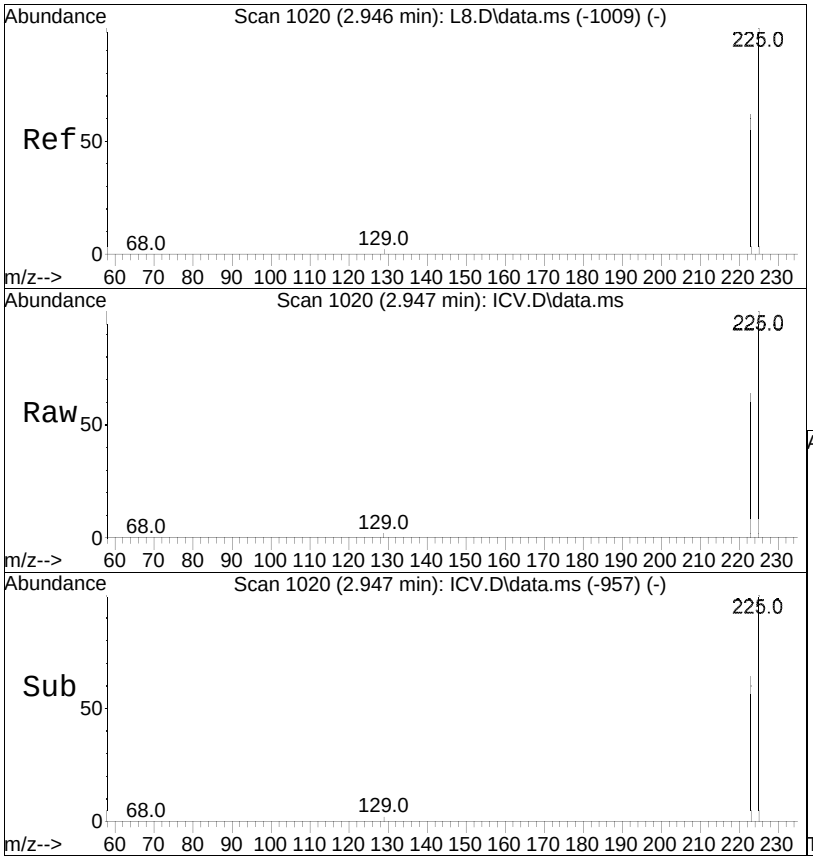


#9
Naphthalene
Concen: 929.30 ng/ml
RT: 2.873 min Scan# 974
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:128 Resp: 440957

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

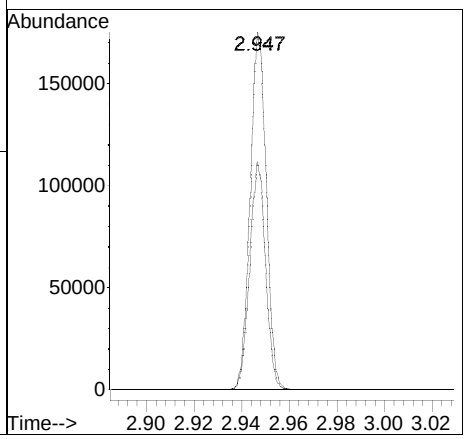


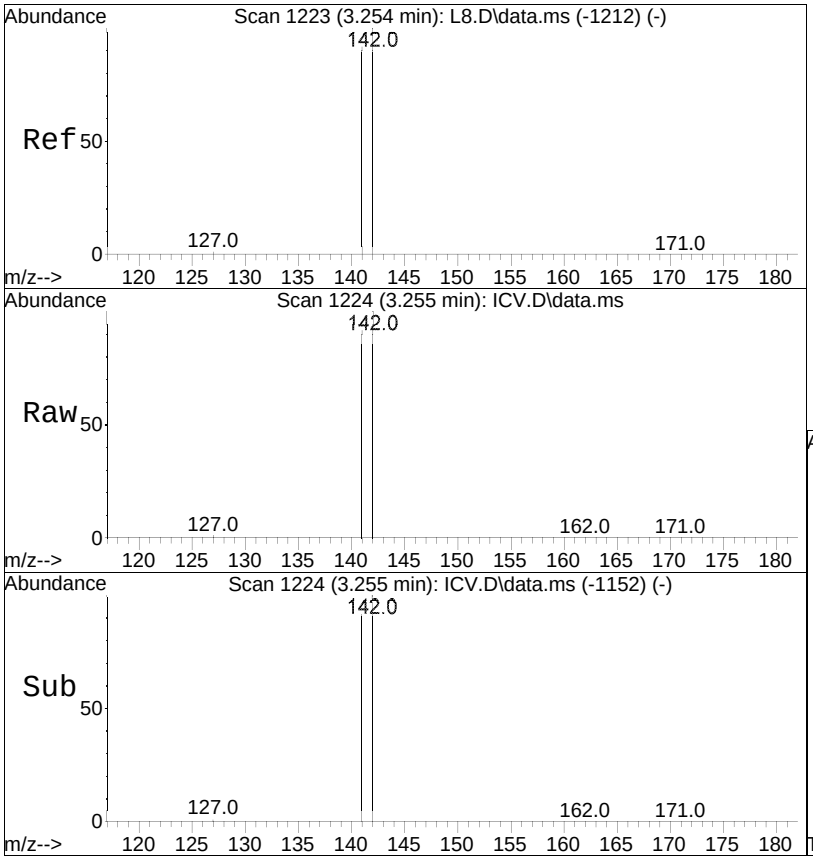


#10
Hexachlorobutadiene
Concen: 945.00 ng/ml
RT: 2.947 min Scan# 1020
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:225 Resp: 80293

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2

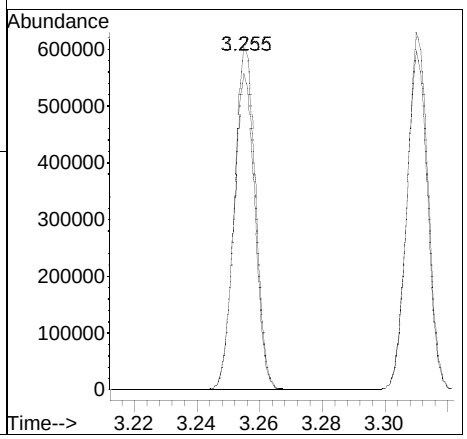


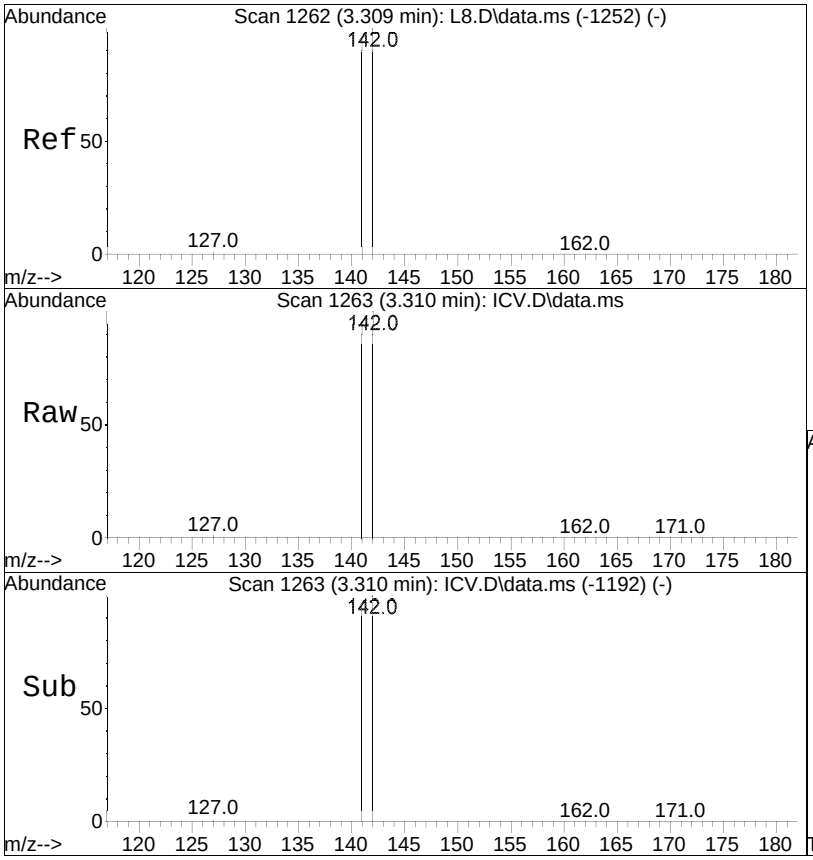


#11
2-Methylnaphthalene
Concen: 958.71 ng/ml
RT: 3.255 min Scan# 1224
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:142 Resp: 283062

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2

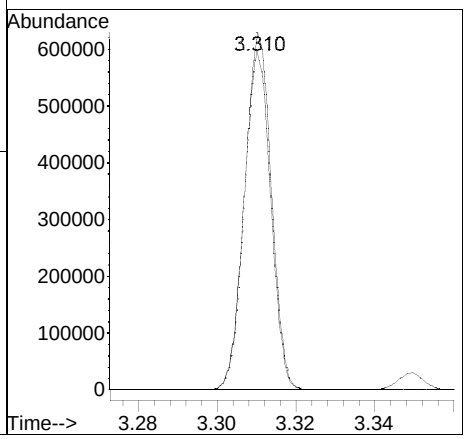


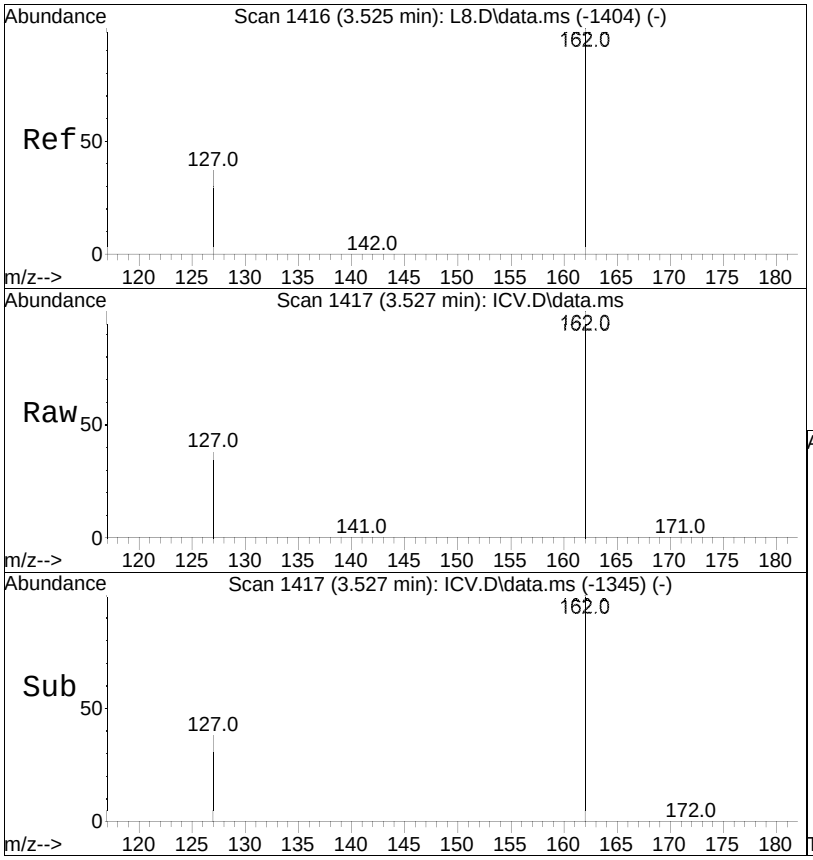


#12
1-Methylnaphthalene
Concen: 966.94 ng/ml
RT: 3.310 min Scan# 1263
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:142 Resp: 290156

Ion	Ratio	Lower	Upper
142	100		
141	94.8	76.0	114.0

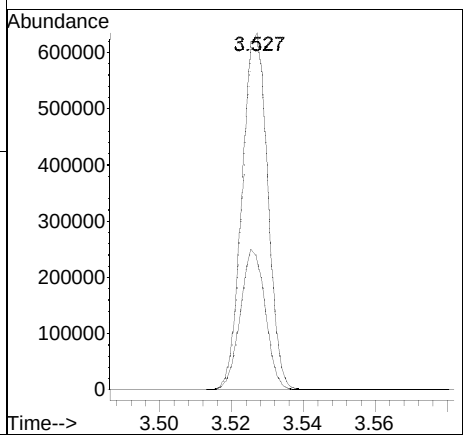


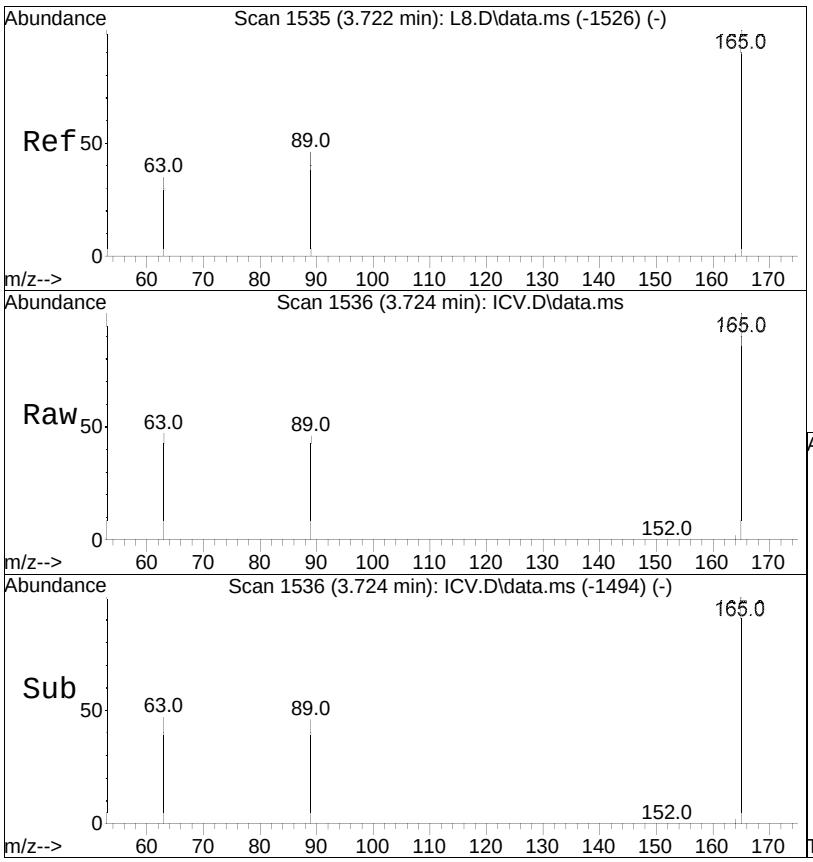


#14
2-Chloronaphthalene
Concen: 963.78 ng/ml
RT: 3.527 min Scan# 1417
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:162 Resp: 307878

Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.0	46.6

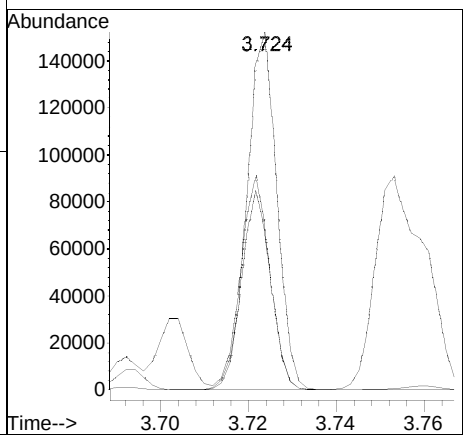


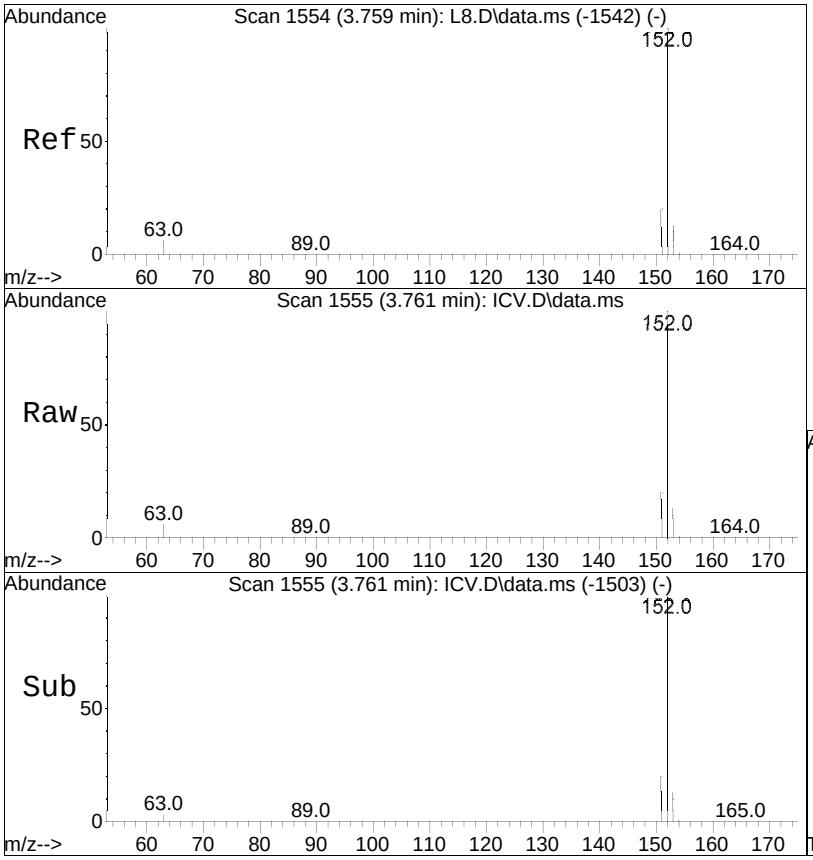


#15
2,6-Dinitrotoluene
Concen: 1003.36 ng/ml
RT: 3.724 min Scan# 1536
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:165 Resp: 71414

Ion	Ratio	Lower	Upper
165	100		
89	54.7	43.2	64.8
63	58.5	46.4	69.6

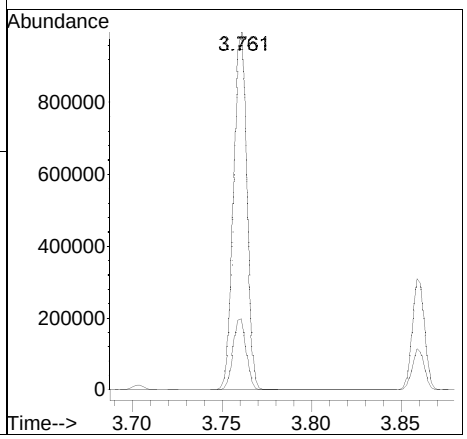


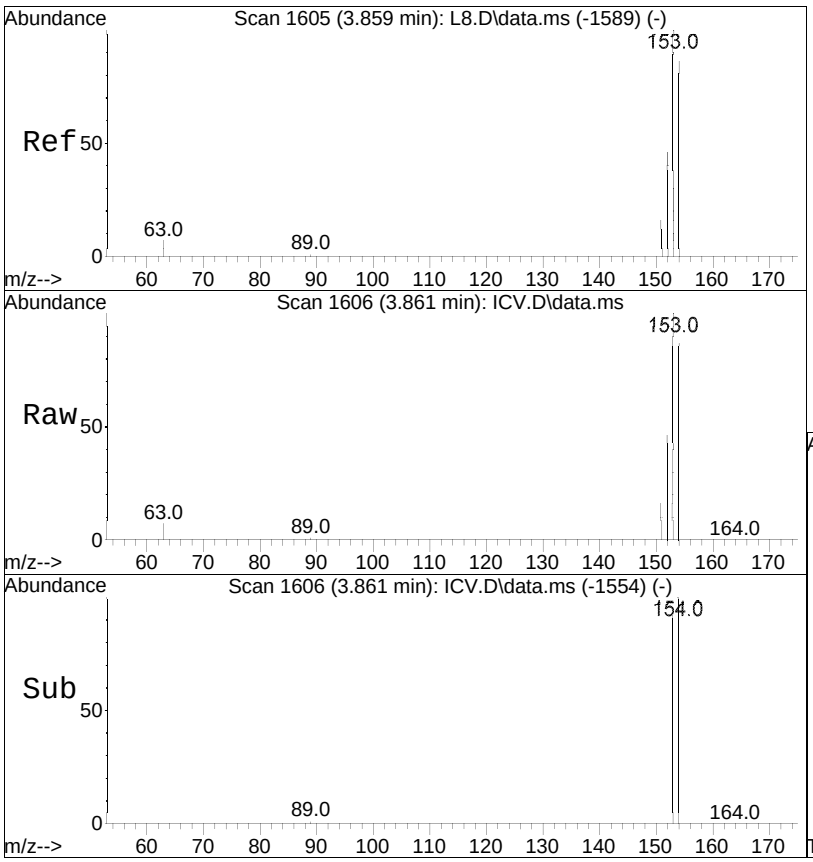


#16
Acenaphthylene
Concen: 1045.83 ng/ml
RT: 3.761 min Scan# 1555
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:152 Resp: 510855

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

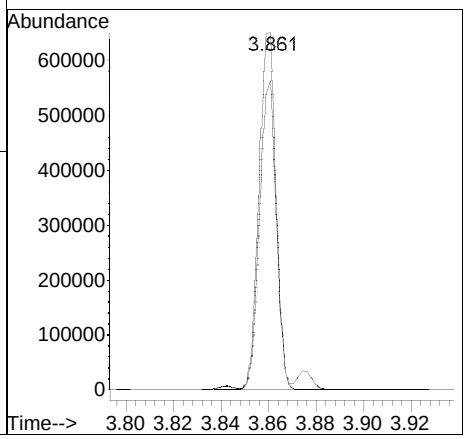


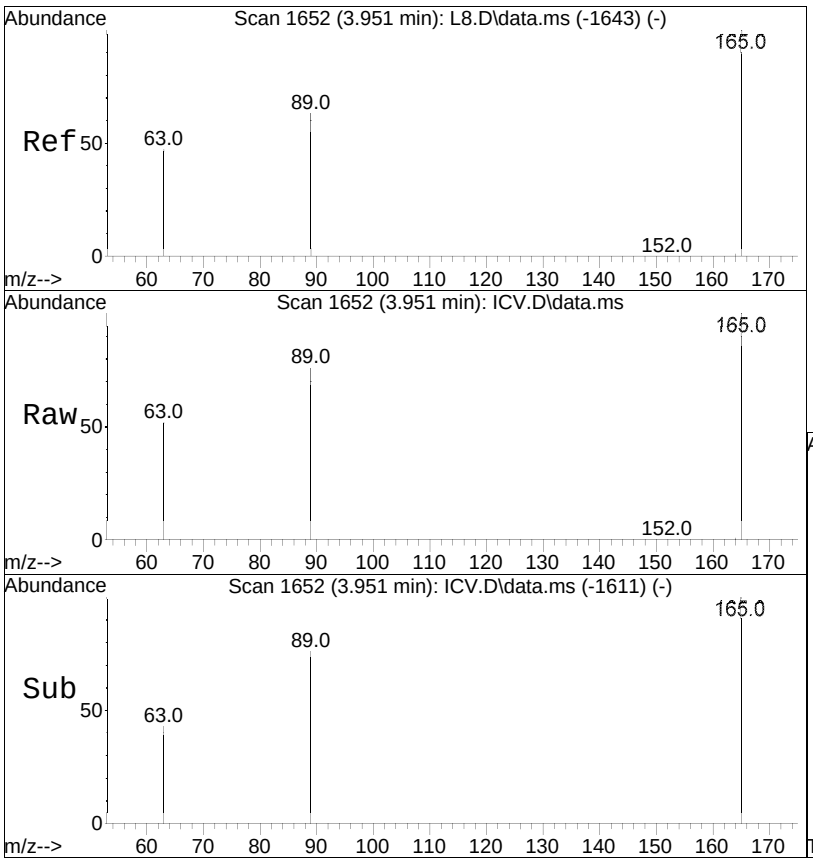


#18
Acenaphthene
Concen: 937.57 ng/ml
RT: 3.861 min Scan# 1606
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:153 Resp: 316552

Ion	Ratio	Lower	Upper
153	100		
154	84.9	67.9	101.9

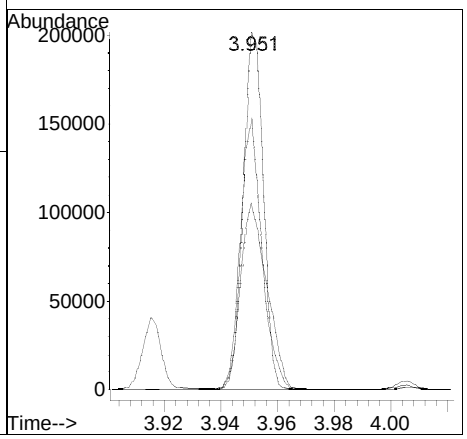


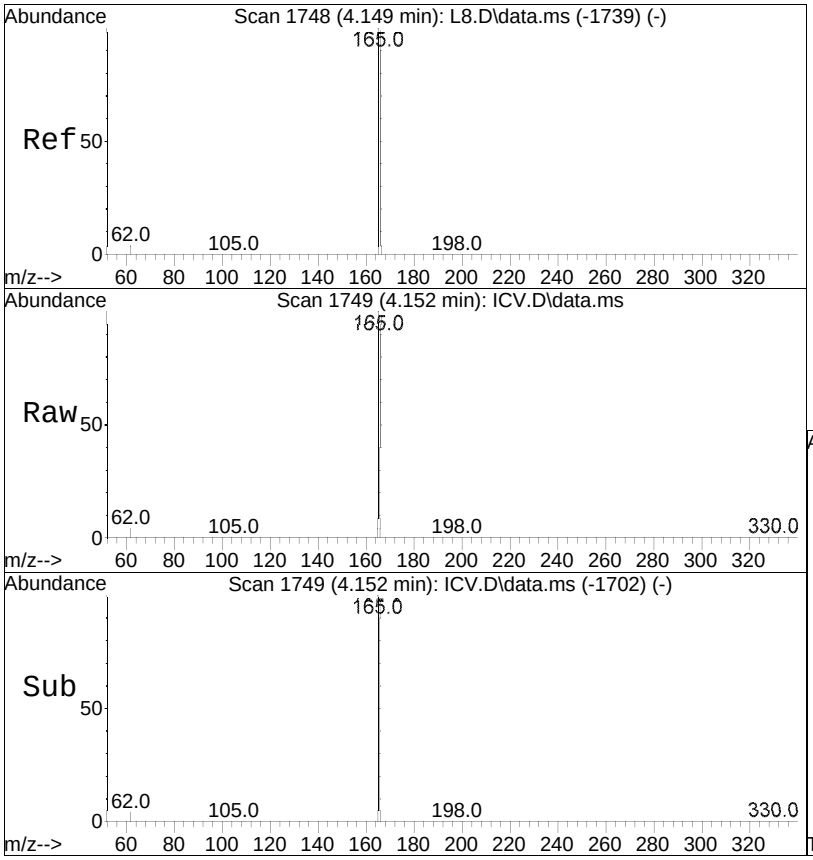


#19
2,4-Dinitrotoluene
Concen: 999.49 ng/ml
RT: 3.951 min Scan# 1652
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:165 Resp: 97432

Ion	Ratio	Lower	Upper
165	100		
89	82.1	63.9	95.9
63	69.0	53.0	79.6

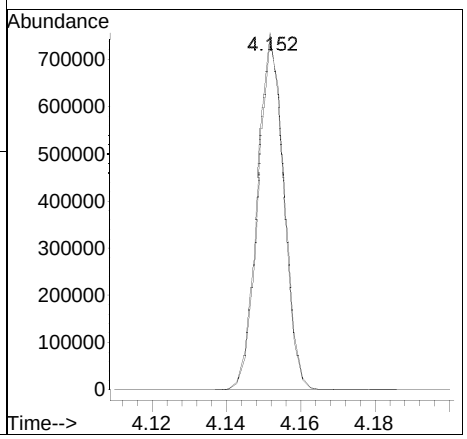


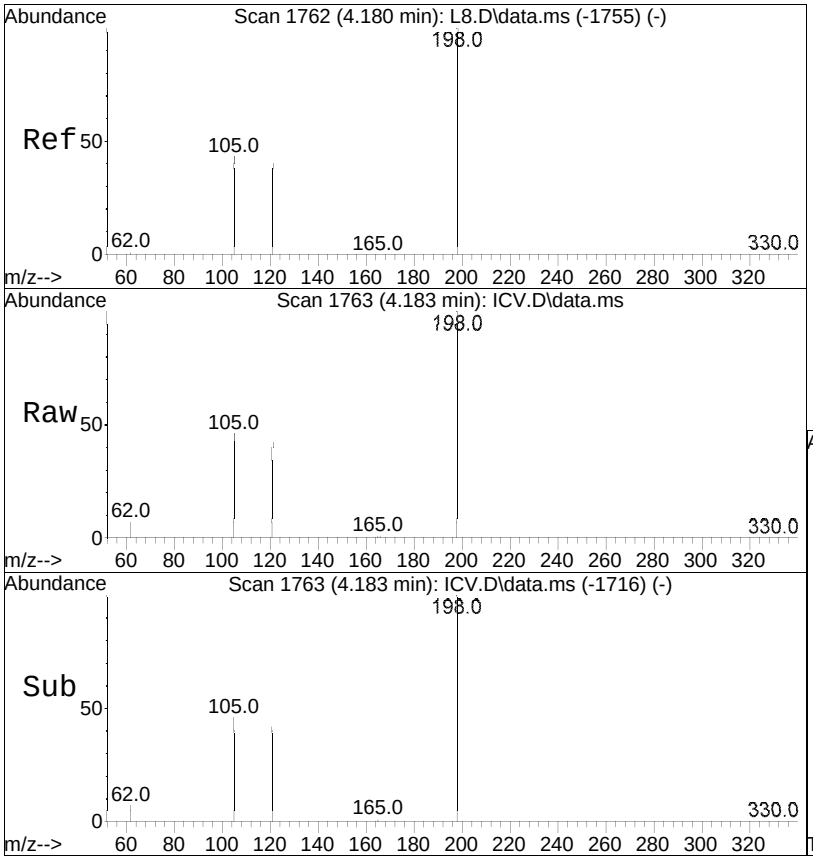


#20
Fluorene
Concen: 978.28 ng/ml
RT: 4.152 min Scan# 1749
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:166 Resp: 363147

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.3	121.9

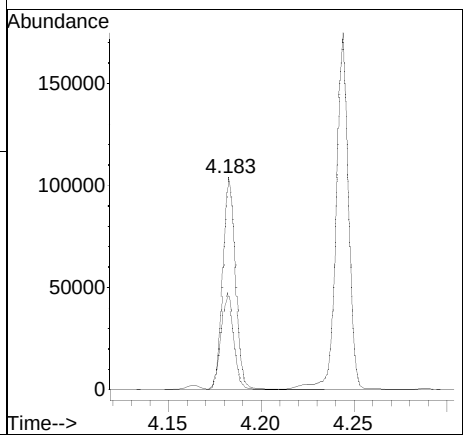


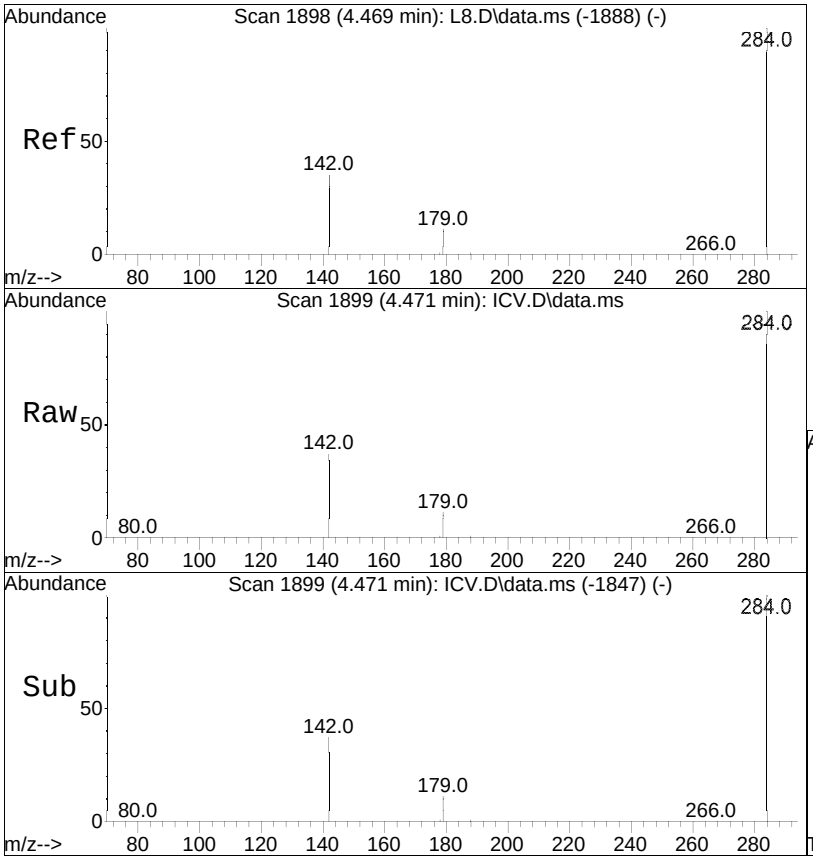


#23
4,6-Dinitro-o-cresol
Concen: 843.48 ng/ml
RT: 4.183 min Scan# 1763
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:198 Resp: 49821

Ion	Ratio	Lower	Upper
198	100		
105	45.0	35.5	53.3

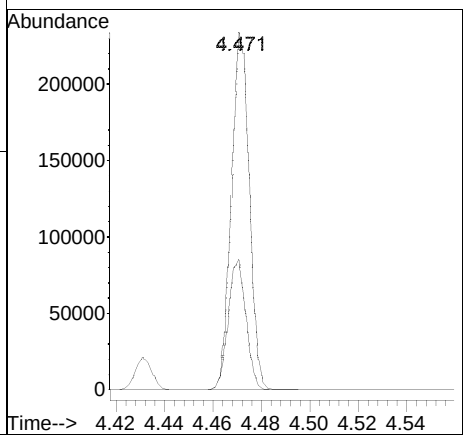


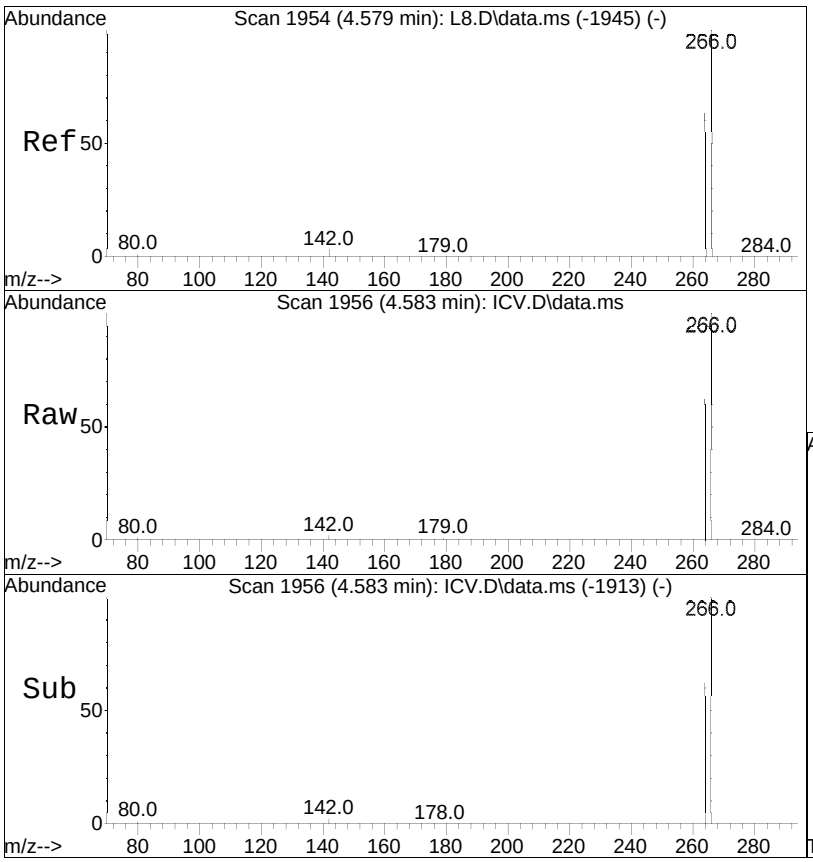


#24
Hexachlorobenzene
Concen: 952.85 ng/ml
RT: 4.471 min Scan# 1899
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:284 Resp: 118374

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.0	43.4

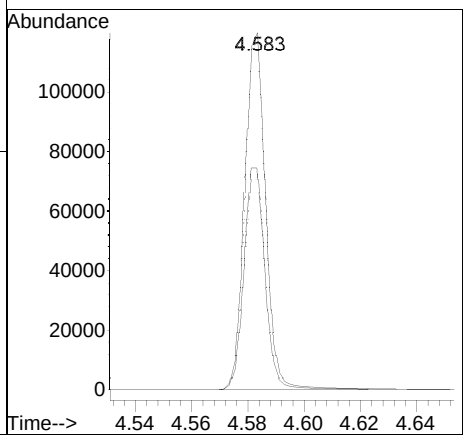


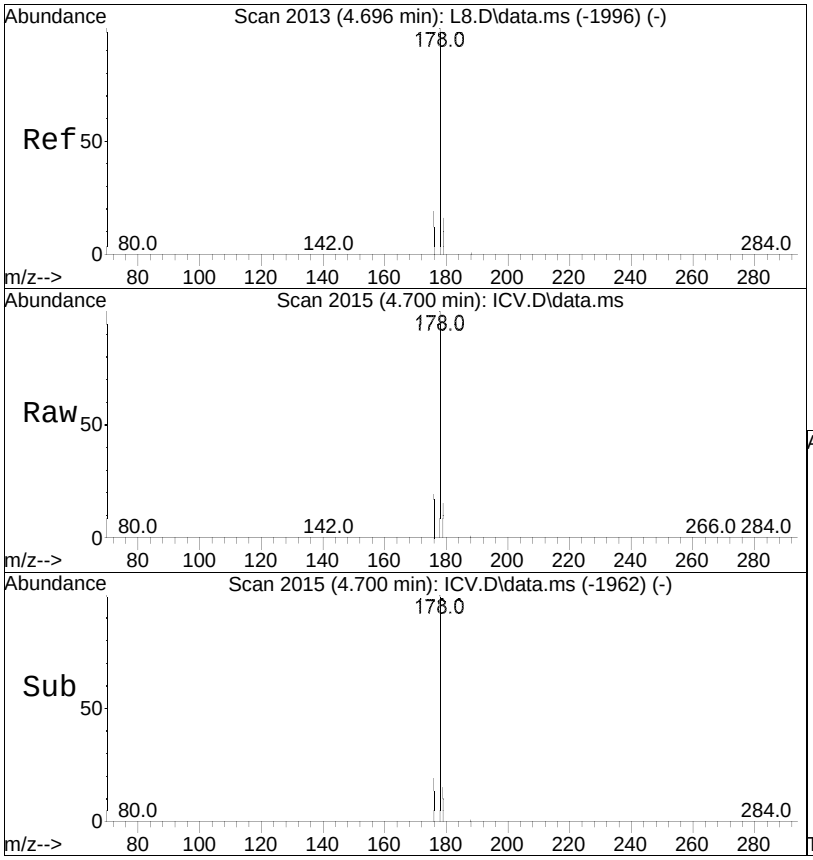


#25
Pentachlorophenol
Concen: 964.11 ng/ml
RT: 4.583 min Scan# 1956
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:266 Resp: 61333

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.3	75.5

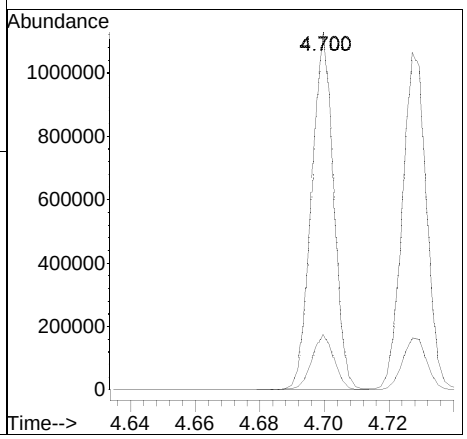


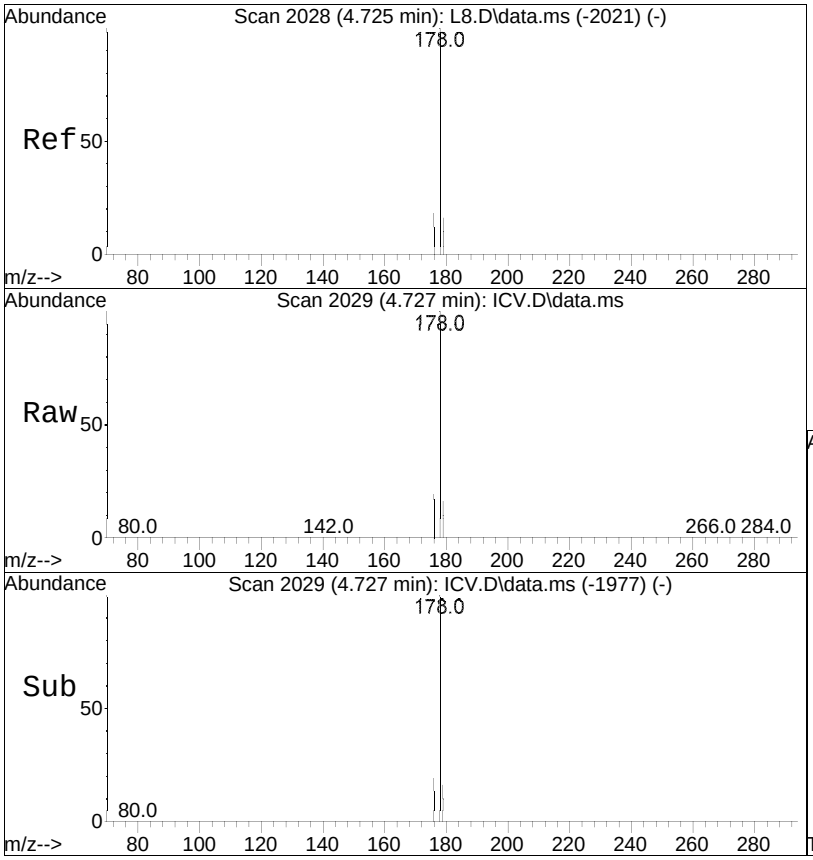


#26
Phenanthrene
Concen: 945.39 ng/ml
RT: 4.700 min Scan# 2015
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:178 Resp: 536900

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

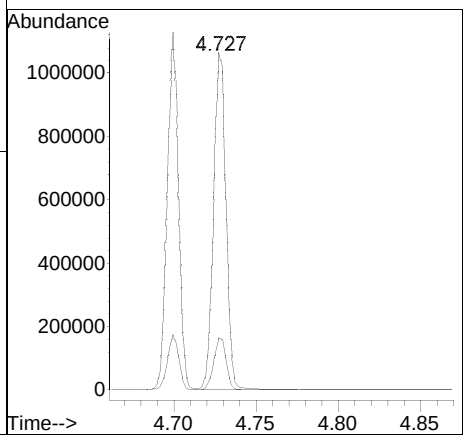


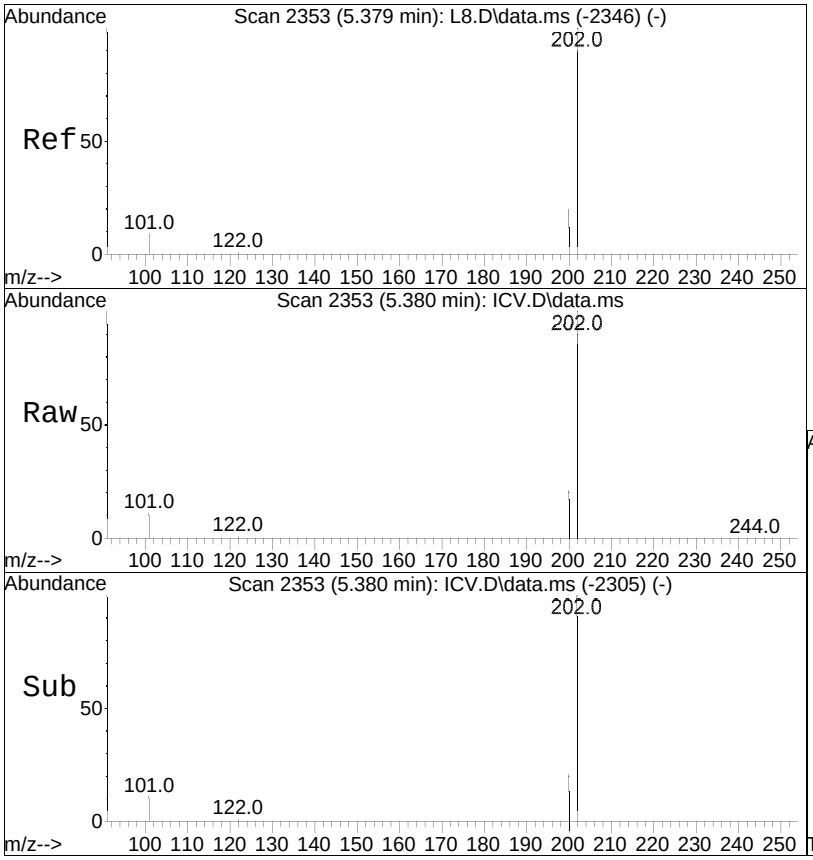


#27
Anthracene
Concen: 988.52 ng/ml
RT: 4.727 min Scan# 2029
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:178 Resp: 557215

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

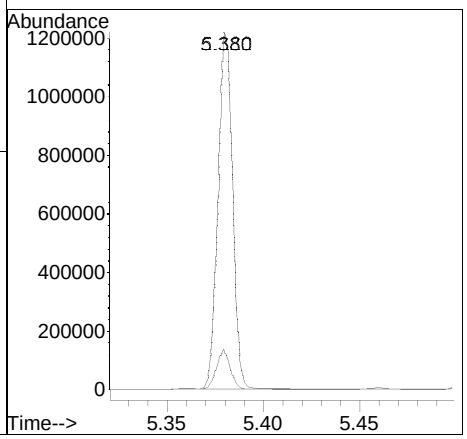


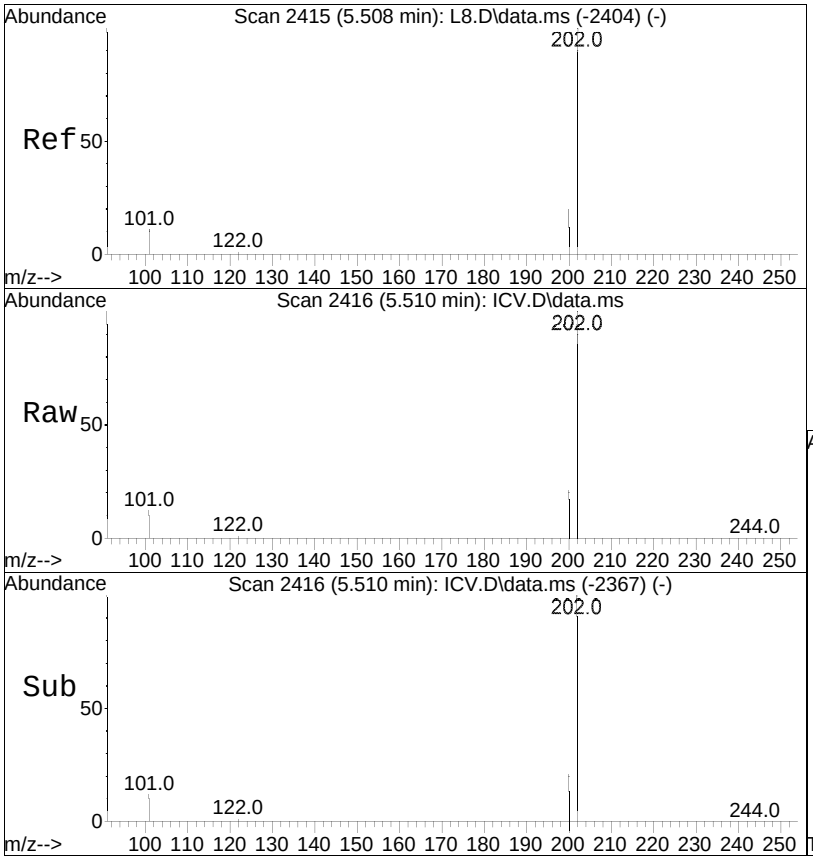


#28
Fluoranthene
Concen: 973.88 ng/ml
RT: 5.380 min Scan# 2353
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:202 Resp: 629910

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2

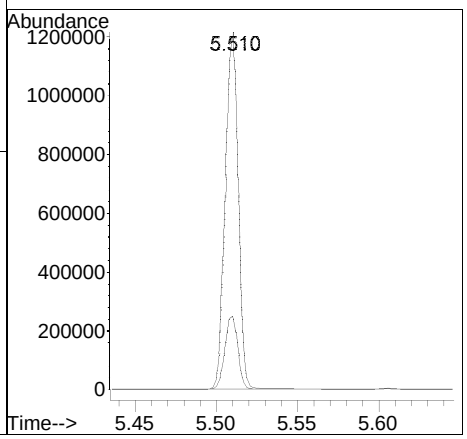


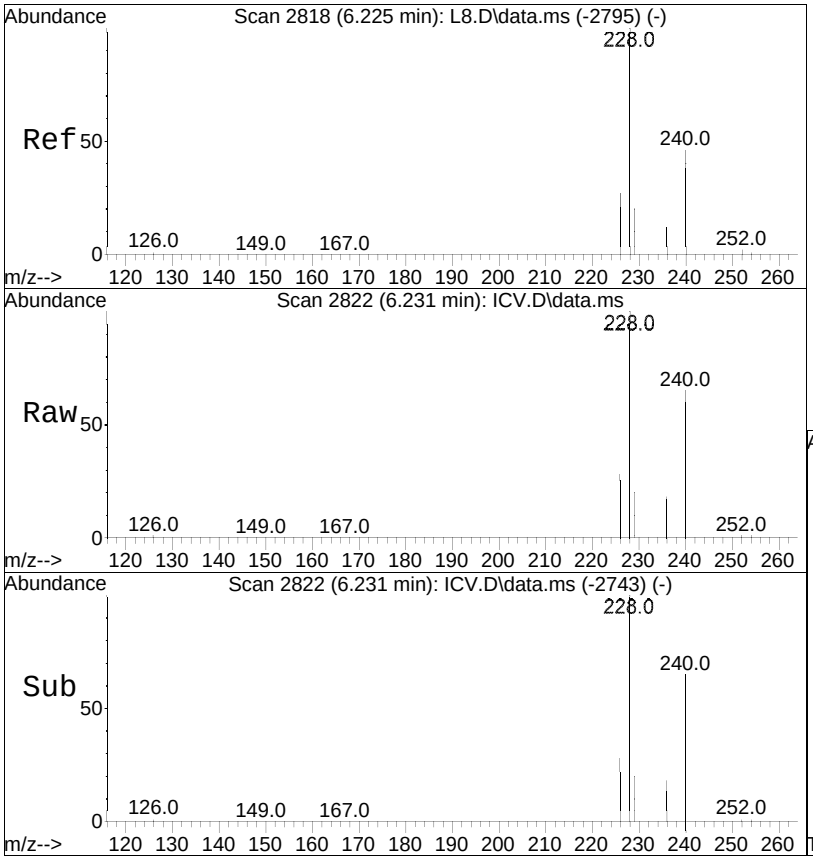


#29
Pyrene
Concen: 987.81 ng/ml
RT: 5.510 min Scan# 2416
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:202 Resp: 661209

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3

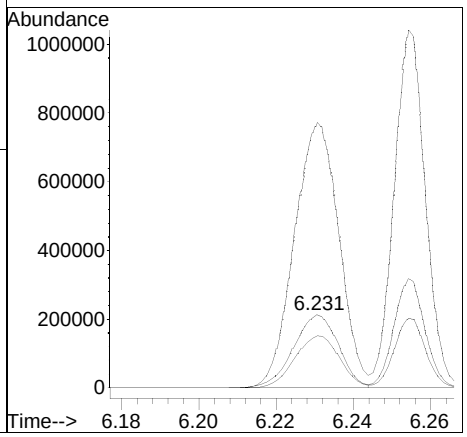


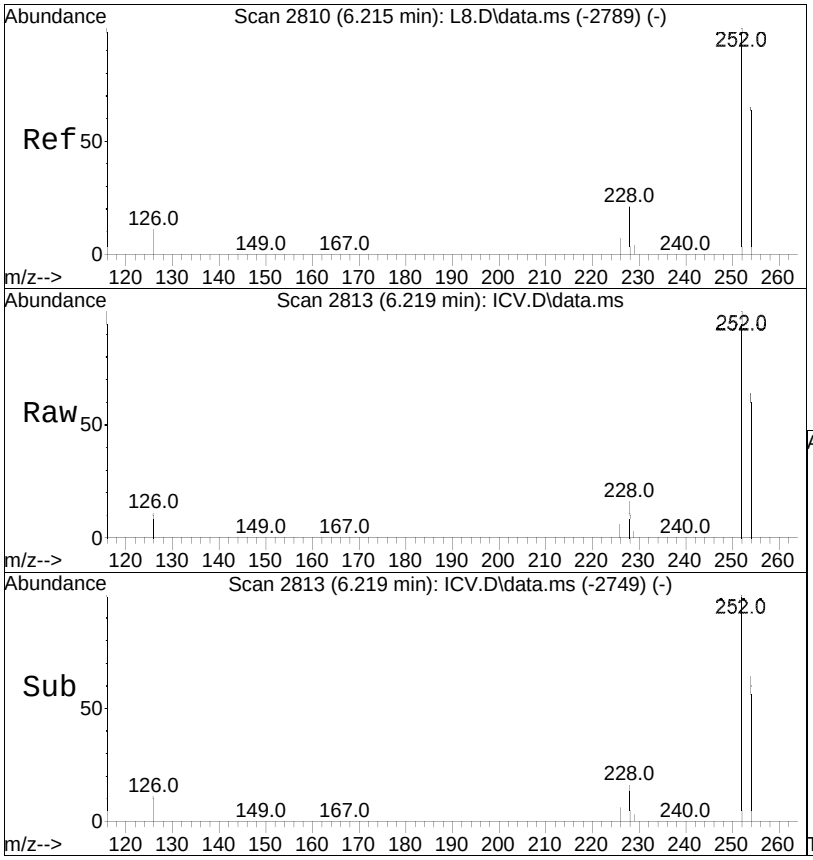


#32
Benzo[a]anthracene
Concen: 915.46 ng/ml
RT: 6.231 min Scan# 2822
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:226 Resp: 172280

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	357.8	288.7	433.1
229	70.4	56.8	85.2

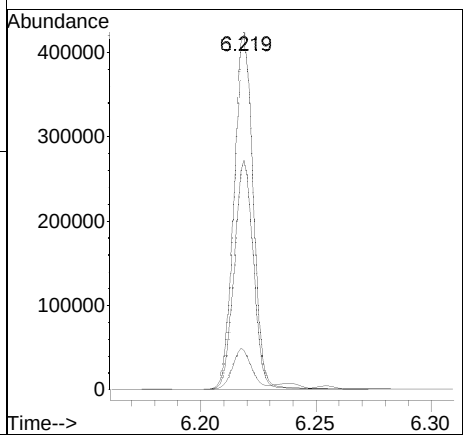


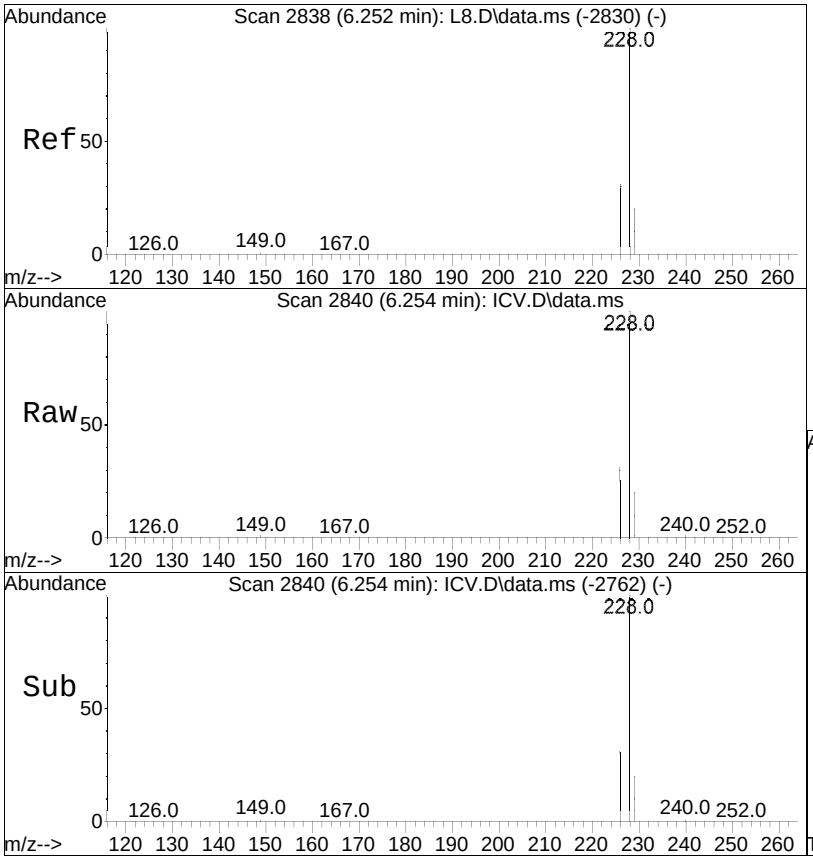


#33
3,3'-Dichlorobenzidine
Concen: 1013.16 ng/ml
RT: 6.219 min Scan# 2813
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 241044

Ion	Ratio	Lower	Upper
252	100		
126	11.8	9.5	14.3
254	64.5	51.5	77.3

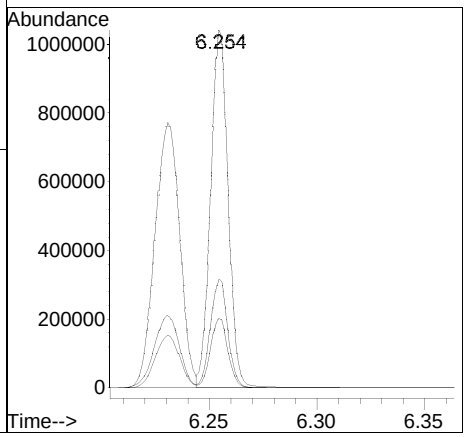


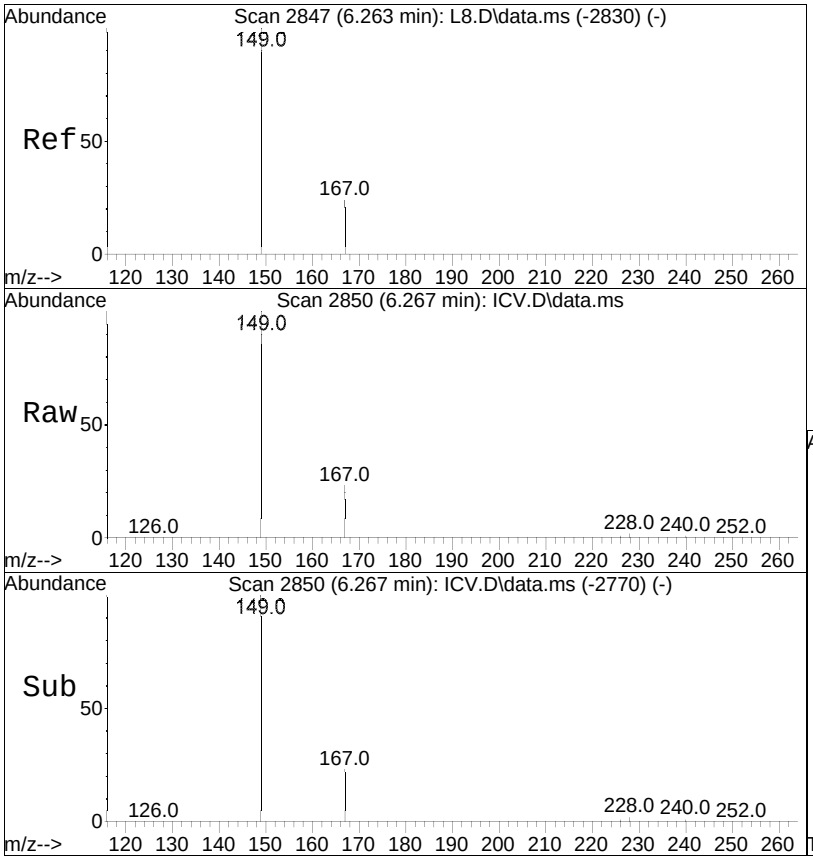


#34
Chrysene
Concen: 954.85 ng/ml
RT: 6.254 min Scan# 2840
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:228 Resp: 586733

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
227	0.0	0.0	0.0
229	19.6	15.6	23.4

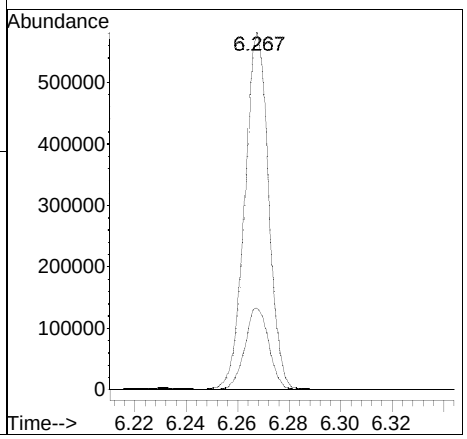


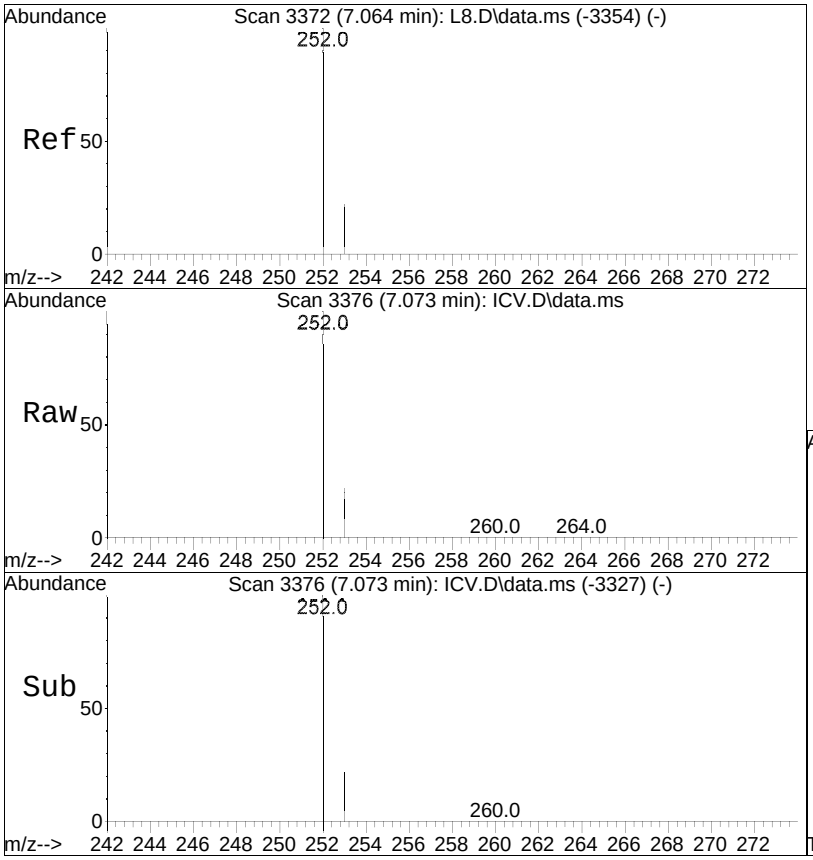


#35
Bis(2-ethylhexyl)phthalate
Concen: 873.44 ng/ml
RT: 6.267 min Scan# 2850
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:149 Resp: 367276

Ion	Ratio	Lower	Upper
149	100		
167	23.1	18.6	27.8

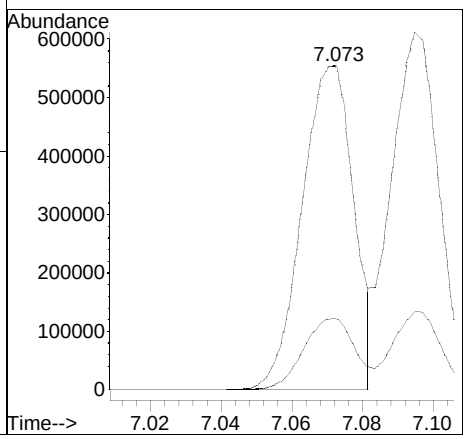


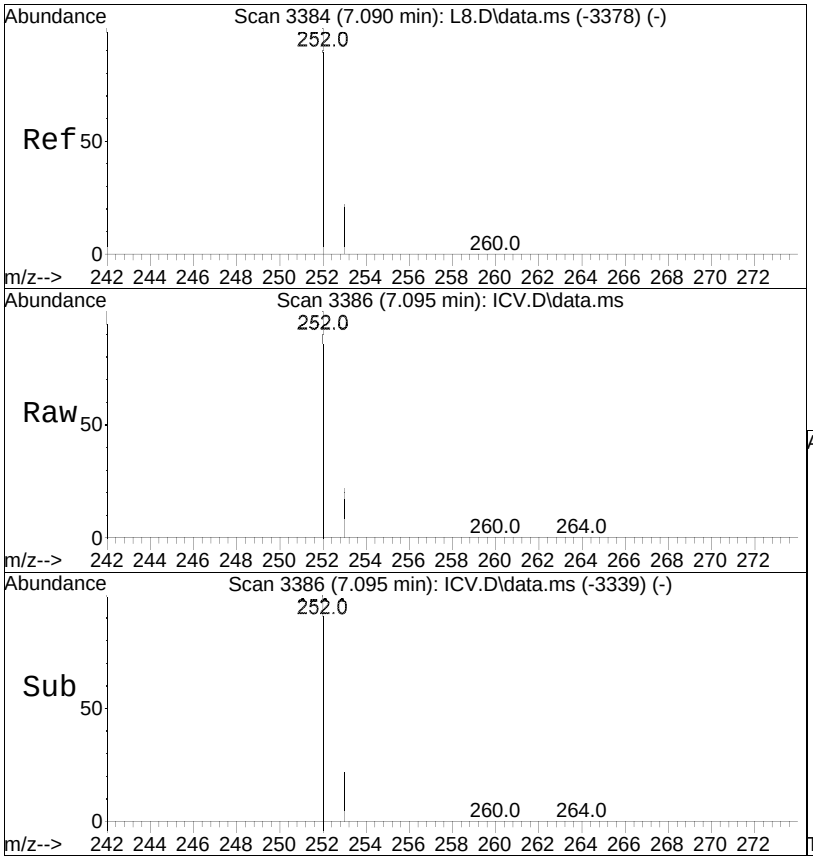


#37
Benzo[b]fluoranthene
Concen: 972.06 ng/ml
RT: 7.073 min Scan# 3376
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 560896

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2

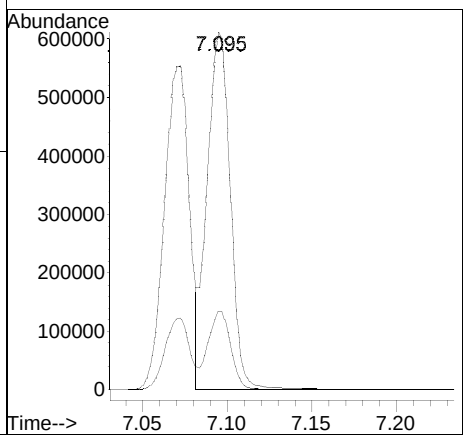


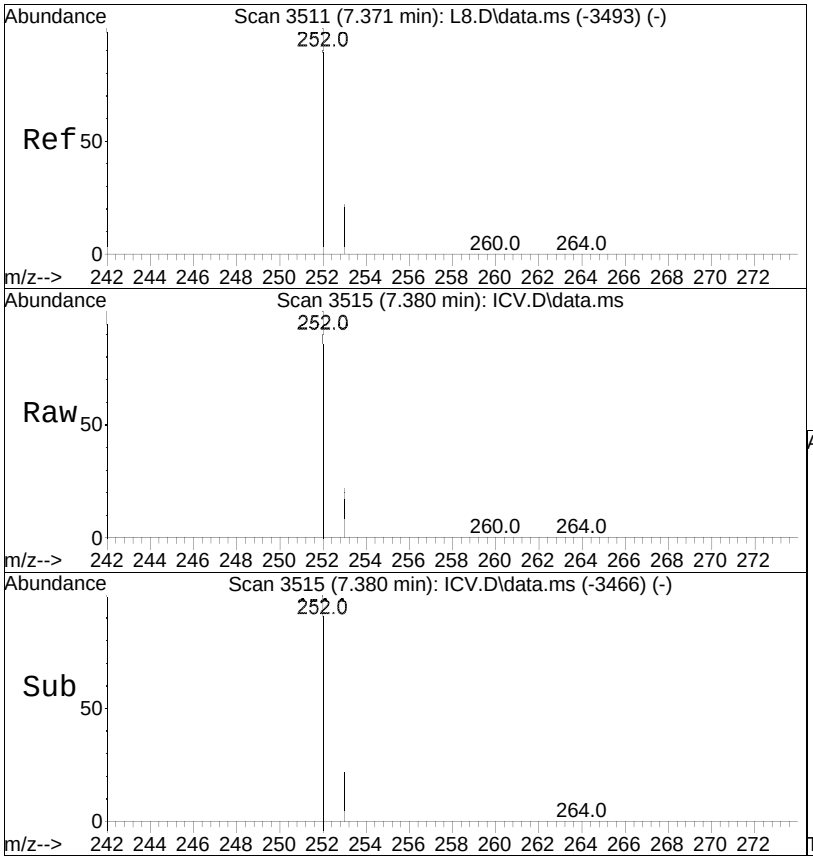


#38
Benzo[k]fluoranthene
Concen: 1059.10 ng/ml
RT: 7.095 min Scan# 3386
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 581465

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4

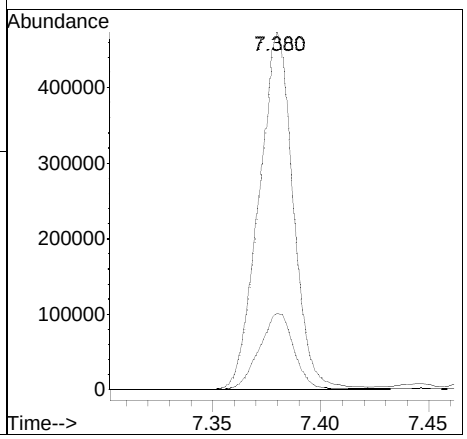


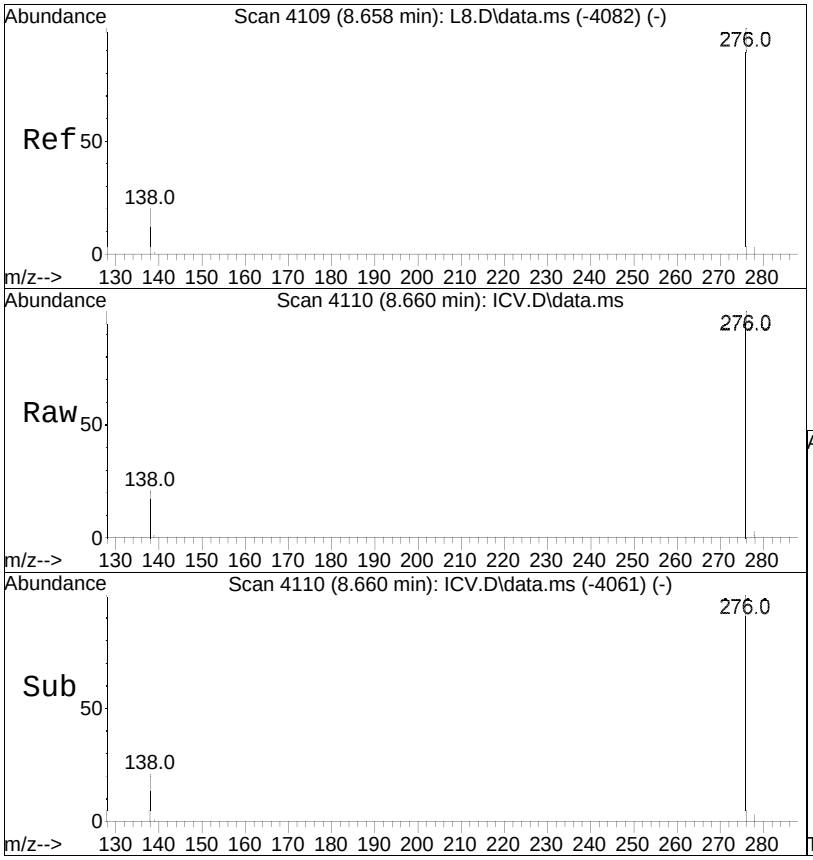


#39
Benzo[a]pyrene
Concen: 1076.08 ng/ml
RT: 7.380 min Scan# 3515
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 516672

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

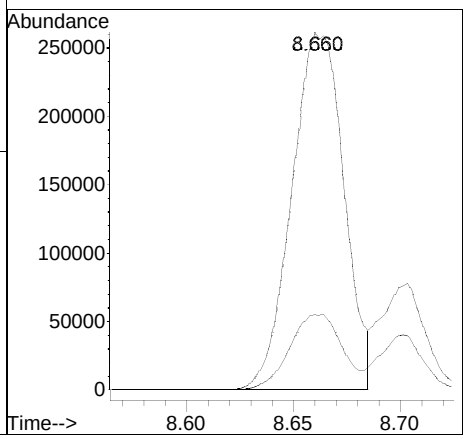


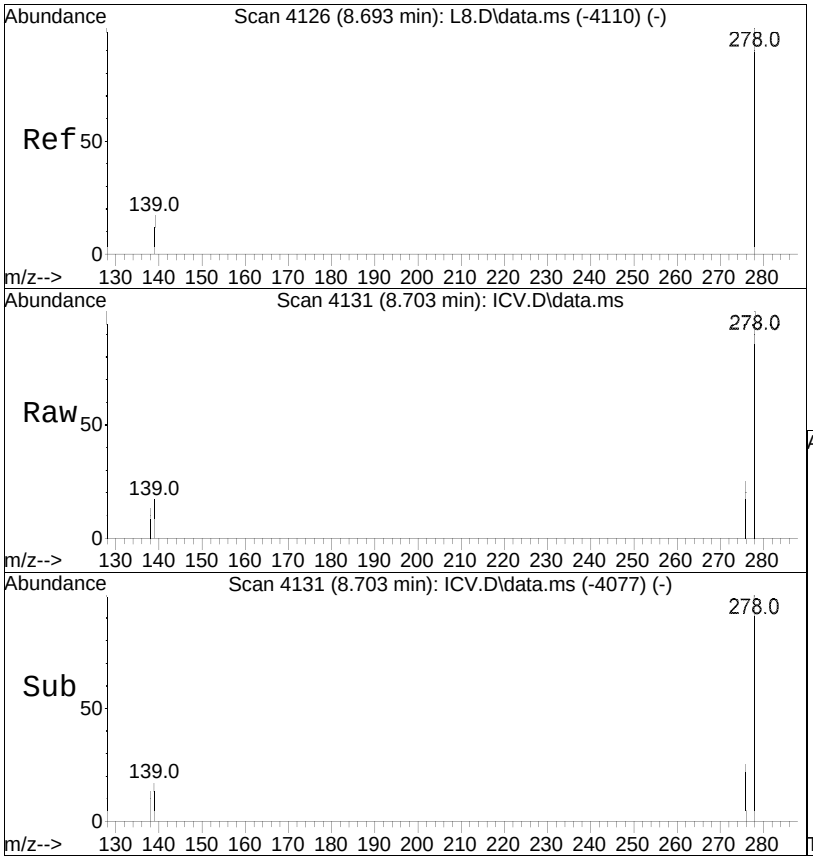


#40
Indeno[1,2,3-cd]pyrene
Concen: 1033.23 ng/ml
RT: 8.660 min Scan# 4110
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:276 Resp: 439757

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.0	25.4

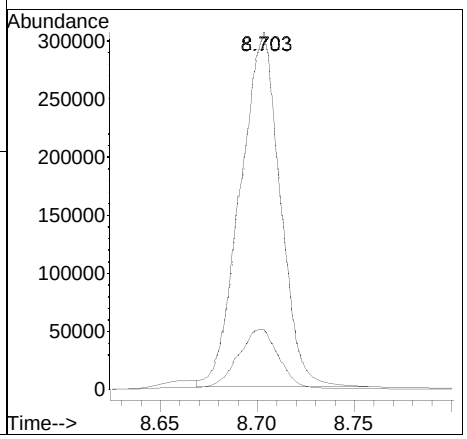


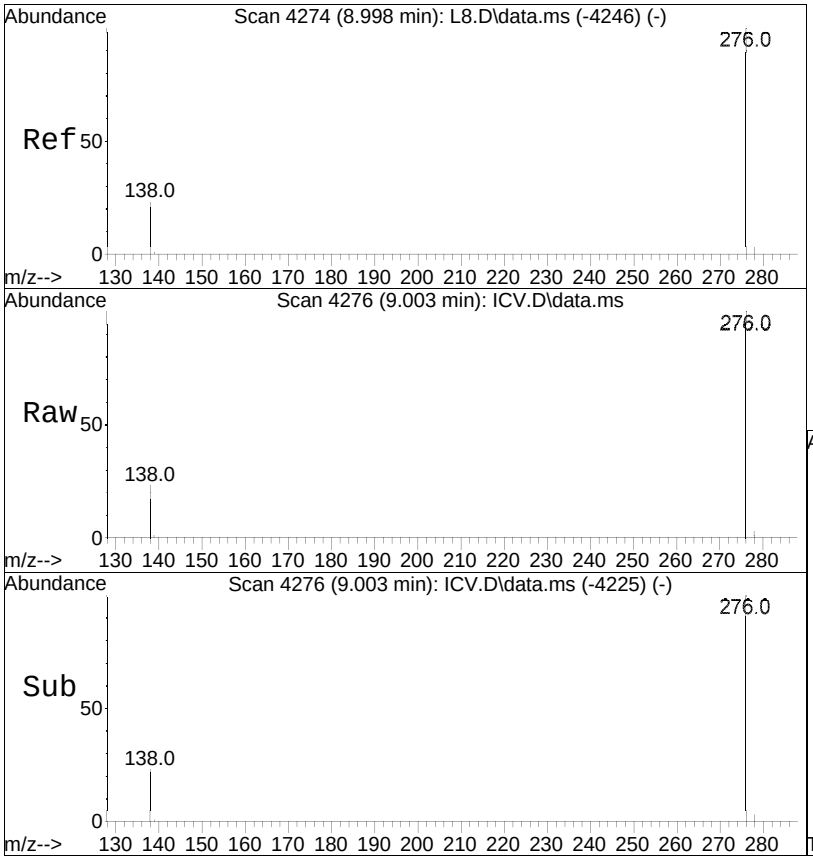


#41
Dibenzo[a,h]anthracene
Concen: 1060.54 ng/ml M6
RT: 8.703 min Scan# 4131
Delta R.T. 0.010 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:278 Resp: 435769

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.9	20.9

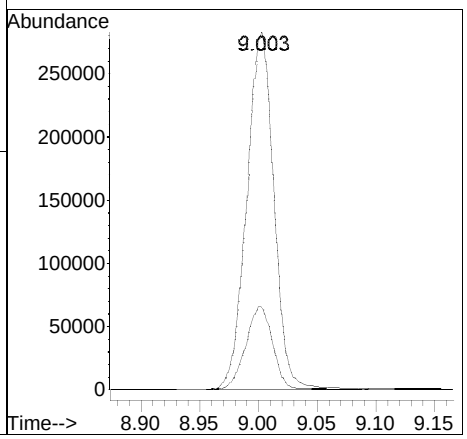




#42
Benzo[g,h,i]perylene
Concen: 1000.82 ng/ml
RT: 9.003 min Scan# 4276
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:276 Resp: 450098

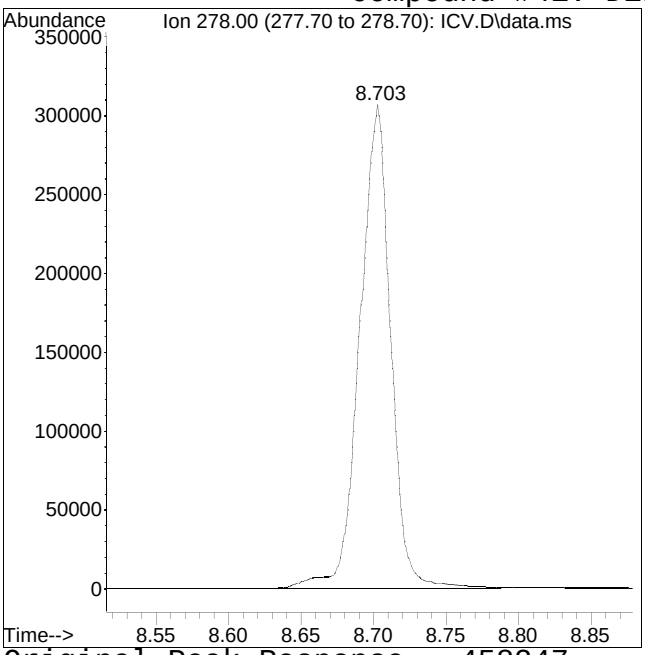
Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.7	28.1



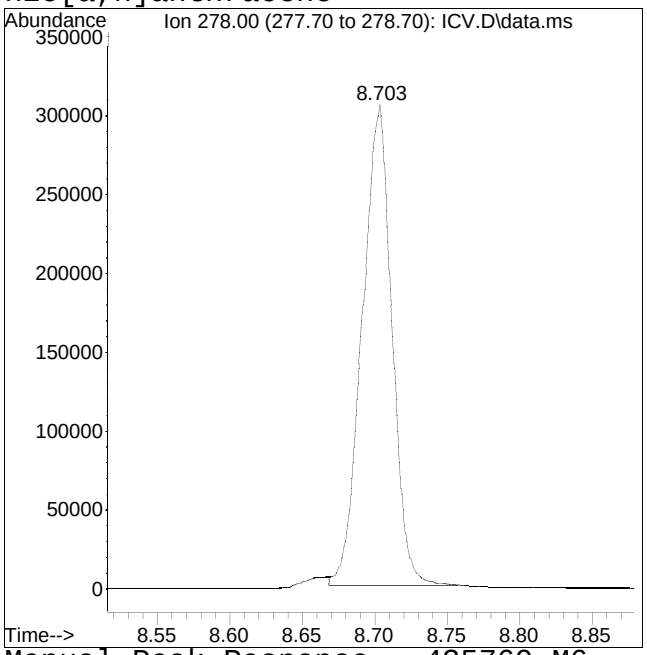
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : ICV.D
Date Inj'd : 2/3/2025 6:37 pm
Sample : CQICV,32,, #11275 1000 ng/
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/10/2025 9:31 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 458247



Manual Peak Response = 435769 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV118

Method Path : I:\8270SIM\SV118\250203RVTical\
Method File : SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Feb 07 14:32:24 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	927.332	-7.3	40.00	50.883	27.2
25 T	Pentachlorophenol	Q	ng/ml	1000.0	1035.983	3.6	10.00	14.367	43.7
35 T	Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	932.758	-6.7	40.00	50.947	27.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
23 T	4,6-Dinitro-o-cresol	Linear	0.997330	0.000000	0.131405	-0.00114886
25 T	Pentachlorophenol	Quadratic	0.997872	0.043266	0.126508	-0.000307814
35 T	Bis(2-ethylhexyl)phthalate	Linear	0.997404	0.000000	0.975861	-0.00687398

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/06/25 06:40		
Lab File ID	: CCV0306	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037227-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	96	0
2-Fluorophenol	1.072	1.135	.05	-5.9	20	100	0
Phenol-d6	1.338	1.443	.05	-7.8	20	101	0
Bis(2-chloroethyl)ether	1.235	1.227	.05	0.6	20	101	0
n-nitrosodi-n-propylamine	0.827	0.881	.05	-6.5	20	101	0
Hexachloroethane	0.518	0.491	.05	5.2	20	94	0
Nitrobenzene-d5	1.297	1.289	.05	0.6	20	96	0
Naphthalene-d8	1	1	.05	0	20	103	0
Naphthalene	1.116	1	.05	10.4	20	98	0
Hexachlorobutadiene	0.196	0.155	.05	20.9*	20	85	0
2-Methylnaphthalene	0.78	0.641	.05	17.8	20	88	0
1-Methylnaphthalene	0.718	0.668	.05	7	20	100	0
2-Fluorobiphenyl	0.975	0.826	.05	15.3	20	92	0
2-Chloronaphthalene	0.805	0.709	.05	11.9	20	94	0
2,6-Dinitrotoluene	0.198	0.185	.05	6.6	20	93	0
Acenaphthylene	1.247	1.192	.05	4.4	20	102	0
Acenaphthene-d10	1	1	.05	0	20	96	0
Acenaphthene	1.334	1.257	.05	5.8	20	94	0
2,4-Dinitrotoluene	0.424	0.446	.05	-5.2	20	96	0
Fluorene	1.533	1.538	.05	-0.3	20	97	0
2,4,6-Tribromophenol	0.175	0.194	.05	-10.9	20	100	0
Phenanthrene-d10	1	1	.05	0	20	98	0
4,6-Dinitro-o-cresol	1000	861.37	.05	13.9	20	90	0
Hexachlorobenzene	0.236	0.206	.05	12.7	20	92	0
Pentachlorophenol	1000	851.468	.05	14.9	20	85	0
Phenanthrene	1.17	1.054	.05	9.9	20	92	0
Anthracene	1.173	1.12	.05	4.5	20	97	0
Fluoranthene	1.463	1.326	.05	9.4	20	93	0
Pyrene	1.51	1.37	.05	9.3	20	93	0
4-Terphenyl-d14	0.992	0.856	.05	13.7	20	87	0
Chrysene-d12	1	1	.05	0	20	97	0
Benzo[a]anthracene	1000	944.957	.05	5.5	20	92	0
3,3'-Dichlorobenzidine	1000	1176.82	.05	-17.7	20	128	0
Chrysene	1.377	1.242	.05	9.8	20	91	0
Bis(2-ethylhexyl)phthalate	0.714	0.879	.05	-23.1*	20	115	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.326	1.235	.05	6.9	20	94	0
Benzo[k]fluoranthene	1.307	1.246	.05	4.7	20	98	0
Benzo[a]pyrene	1.125	1.199	.05	-6.6	20	106	0
Indeno[1,2,3-cd]pyrene	1.089	1.237	.05	-13.6	20	111	0
Dibenzo[a,h]anthracene	1.01	1.141	.05	-13	20	107	0
Benzo[g,h,i]perylene	1.036	1.144	.05	-10.4	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV118	**Calibration Date**	: 03/06/25 07:17		
Lab File ID	: CCV0306A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2037249-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	64	0
2-Fluorophenol	1.223	1.088	.01	11	20	57	0
Phenol-d6	1.466	1.359	.01	7.3	20	59	0
Bis(2-chloroethyl)ether	1.301	1.16	.01	10.8	20	59	0
n-nitrosodi-n-propylamine	0.835	0.847	.01	-1.4	20	62	0
Hexachloroethane	0.544	0.505	.01	7.2	20	59	0
Nitrobenzene-d5	1.197	1.231	.01	-2.8	20	63	0
Naphthalene-d8	1	1	.01	0	20	68	0
Naphthalene	1.137	1.022	.01	10.1	20	63	0
Hexachlorobutadiene	0.204	0.187	.01	8.3	20	62	0
2-Methylnaphthalene	0.707	0.665	.01	5.9	20	64	0
1-Methylnaphthalene	0.719	0.683	.01	5	20	65	0
2-Fluorobiphenyl	0.876	0.841	.01	4	20	68	0
2-Chloronaphthalene	0.765	0.735	.01	3.9	20	65	0
2,6-Dinitrotoluene	0.17	0.184	.01	-8.2	20	67	0
Acenaphthylene	1.17	1.247	.01	-6.6	20	68	0
Acenaphthene-d10	1	1	.01	0	20	71	0
Acenaphthene	1.424	1.309	.01	8.1	20	66	0
2,4-Dinitrotoluene	0.411	0.442	.01	-7.5	20	69	0
Fluorene	1.566	1.517	.01	3.1	20	68	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	65	0
Phenanthrene-d10	1	1	.01	0	20	73	0
4,6-Dinitro-o-cresol	1000	817.341	.01	18.3	20	64	0
Hexachlorobenzene	0.265	0.252	.01	4.9	20	70	0
Pentachlorophenol	1000	994.783	.01	0.5	20	70	0
Phenanthrene	1.211	1.096	.01	9.5	20	67	0
Anthracene	1.202	1.177	.01	2.1	20	70	0
Fluoranthene	1.379	1.375	.01	0.3	20	72	0
Pyrene	1.427	1.398	.01	2	20	70	0
4-Terphenyl-d14	0.929	0.899	.01	3.2	20	72	0
Chrysene-d12	1	1	.01	0	20	74	0
Benzo[a]anthracene	0.423	0.375	.01	11.3	20	68	0
3,3'-Dichlorobenzidine	0.534	0.574	.01	-7.5	20	74	0
Chrysene	1.38	1.252	.01	9.3	20	67	0
Bis(2-ethylhexyl)phthalate	1000	914.51	.01	8.5	20	73	0
Perylene-d12	1	1	.01	0	20	74	0
Benzo[b]fluoranthene	1.316	1.296	.01	1.5	20	71	0
Benzo[k]fluoranthene	1.252	1.255	.01	-0.2	20	69	0
Benzo[a]pyrene	1.095	1.188	.01	-8.5	20	73	0
Indeno[1,2,3-cd]pyrene	0.971	1.117	.01	-15	20	78	0
Dibenzo[a,h]anthracene	0.937	1.076	.01	-14.8	20	75	0
Benzo[g,h,i]perylene	1.026	1.087	.01	-5.9	20	72	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/07/25 08:50		
Lab File ID	: CCV0307	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037750-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	95	0
2-Fluorophenol	1.072	1.151	.05	-7.4	20	101	0
Phenol-d6	1.338	1.408	.05	-5.2	20	98	0
Bis(2-chloroethyl)ether	1.235	1.194	.05	3.3	20	97	0
n-nitrosodi-n-propylamine	0.827	0.827	.05	0	20	94	0
Hexachloroethane	0.518	0.5	.05	3.5	20	95	0
Nitrobenzene-d5	1.297	1.237	.05	4.6	20	91	0
Naphthalene-d8	1	1	.05	0	20	96	0
Naphthalene	1.116	1.006	.05	9.9	20	92	0
Hexachlorobutadiene	0.196	0.161	.05	17.9	20	82	0
2-Methylnaphthalene	0.78	0.643	.05	17.6	20	82	0
1-Methylnaphthalene	0.718	0.656	.05	8.6	20	91	0
2-Fluorobiphenyl	0.975	0.804	.05	17.5	20	84	0
2-Chloronaphthalene	0.805	0.698	.05	13.3	20	86	0
2,6-Dinitrotoluene	0.198	0.183	.05	7.6	20	86	0
Acenaphthylene	1.247	1.183	.05	5.1	20	94	0
Acenaphthene-d10	1	1	.05	0	20	88	0
Acenaphthene	1.334	1.262	.05	5.4	20	86	0
2,4-Dinitrotoluene	0.424	0.445	.05	-5	20	88	0
Fluorene	1.533	1.508	.05	1.6	20	88	0
2,4,6-Tribromophenol	0.175	0.183	.05	-4.6	20	86	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	854.171	.05	14.6	20	80	0
Hexachlorobenzene	0.236	0.205	.05	13.1	20	81	0
Pentachlorophenol	1000	823.285	.05	17.7	20	73	0
Phenanthrene	1.17	1.084	.05	7.4	20	85	0
Anthracene	1.173	1.13	.05	3.7	20	87	0
Fluoranthene	1.463	1.365	.05	6.7	20	85	0
Pyrene	1.51	1.418	.05	6.1	20	86	0
4-Terphenyl-d14	0.992	0.849	.05	14.4	20	77	0
Chrysene-d12	1	1	.05	0	20	85	0
Benzo[a]anthracene	1000	963.78	.05	3.6	20	82	0
3,3'-Dichlorobenzidine	1000	1184.271	.05	-18.4	20	112	0
Chrysene	1.377	1.272	.05	7.6	20	81	0
Bis(2-ethylhexyl)phthalate	0.714	0.869	.05	-21.7*	20	99	0
Perylene-d12	1	1	.05	0	20	86	0
Benzo[b]fluoranthene	1.326	1.334	.05	-0.6	20	86	0
Benzo[k]fluoranthene	1.307	1.266	.05	3.1	20	84	0
Benzo[a]pyrene	1.125	1.226	.05	-9	20	92	0
Indeno[1,2,3-cd]pyrene	1.089	1.205	.05	-10.7	20	92	0
Dibenzo[a,h]anthracene	1.01	1.132	.05	-12.1	20	90	0
Benzo[g,h,i]perylene	1.036	1.147	.05	-10.7	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/10/25 06:36		
Lab File ID	: CCV0310	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2038430-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	85	0
2-Fluorophenol	1.072	1.099	.05	-2.5	20	87	0
Phenol-d6	1.338	1.395	.05	-4.3	20	87	0
Bis(2-chloroethyl)ether	1.235	1.192	.05	3.5	20	87	0
n-nitrosodi-n-propylamine	0.827	0.858	.05	-3.7	20	87	0
Hexachloroethane	0.518	0.484	.05	6.6	20	83	0
Nitrobenzene-d5	1.297	1.272	.05	1.9	20	84	0
Naphthalene-d8	1	1	.05	0	20	92	0
Naphthalene	1.116	0.968	.05	13.3	20	85	0
Hexachlorobutadiene	0.196	0.15	.05	23.5*	20	74	0
2-Methylnaphthalene	0.78	0.631	.05	19.1	20	77	0
1-Methylnaphthalene	0.718	0.647	.05	9.9	20	86	0
2-Fluorobiphenyl	0.975	0.797	.05	18.3	20	80	0
2-Chloronaphthalene	0.805	0.689	.05	14.4	20	82	0
2,6-Dinitrotoluene	0.198	0.182	.05	8.1	20	82	0
Acenaphthylene	1.247	1.18	.05	5.4	20	90	0
Acenaphthene-d10	1	1	.05	0	20	89	0
Acenaphthene	1.334	1.195	.05	10.4	20	82	0
2,4-Dinitrotoluene	0.424	0.424	.05	0	20	84	0
Fluorene	1.533	1.451	.05	5.3	20	85	0
2,4,6-Tribromophenol	0.175	0.17	.05	2.9	20	81	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	781.84	.05	21.8*	20	75	0
Hexachlorobenzene	0.236	0.192	.05	18.6	20	78	0
Pentachlorophenol	1000	631.539	.05	36.8*	20	57	0
Phenanthrene	1.17	1.013	.05	13.4	20	82	0
Anthracene	1.173	1.075	.05	8.4	20	85	0
Fluoranthene	1.463	1.275	.05	12.9	20	82	0
Pyrene	1.51	1.323	.05	12.4	20	83	0
4-Terphenyl-d14	0.992	0.793	.05	20.1*	20	74	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	898.716	.05	10.1	20	75	0
3,3'-Dichlorobenzidine	1000	1080.307	.05	-8	20	99	0
Chrysene	1.377	1.176	.05	14.6	20	73	0
Bis(2-ethylhexyl)phthalate	0.714	0.802	.05	-12.3	20	89	0
Perylene-d12	1	1	.05	0	20	77	0
Benzo[b]fluoranthene	1.326	1.221	.05	7.9	20	71	0
Benzo[k]fluoranthene	1.307	1.232	.05	5.7	20	73	0
Benzo[a]pyrene	1.125	1.135	.05	-0.9	20	76	0
Indeno[1,2,3-cd]pyrene	1.089	0.957	.05	12.1	20	65	0
Dibenzo[a,h]anthracene	1.01	0.977	.05	3.3	20	69	0
Benzo[g,h,i]perylene	1.036	0.955	.05	7.8	20	69	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : ccv0306.D
Acq On : 06 Mar 2025 06:40 am
Operator : sv119:kmh
Sample : wg2037227-3,32,,ICV 11275 (0222e)
Misc : wg2037227,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 06:54:41 2025
Quant Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2	T	N-Nitrosodimethylamine	0.000	0.729	0.0	0#	0.00
3	s	2-Fluorophenol	1.072	1.135	-5.9	100	0.00
4	s	Phenol-d6	1.338	1.443	-7.8	101	0.00
5	T	Bis(2-chloroethyl)ether	1.235	1.227	0.6	101	0.00
6	T	n-nitrosodi-n-propylamine	0.827	0.881	-6.5	101	0.00
7	t	Hexachloroethane	0.518	0.491	5.2	94	0.00
8	s	Nitrobenzene-d5	1.297	1.289	0.6	96	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	103	0.00
10	t	Naphthalene	1.116	1.000	10.4	98	0.00
11	t	Hexachlorobutadiene	0.196	0.155	20.9#	85	0.00
12	t	2-Methylnaphthalene	0.780	0.641	17.8	88	0.00
13	t	1-Methylnaphthalene	0.718	0.668	7.0	100	0.00
14	s	2-Fluorobiphenyl	0.975	0.826	15.3	92	0.00
15	t	2-Chloronaphthalene	0.805	0.709	11.9	94	0.00
16	t	2,6-Dinitrotoluene	0.198	0.185	6.6	93	0.00
17	t	Acenaphthylene	1.247	1.192	4.4	102	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
19	t	Acenaphthene	1.334	1.257	5.8	94	0.00
20	t	2,4-Dinitrotoluene	0.424	0.446	-5.2	96	0.00
21	t	Fluorene	1.533	1.538	-0.3	97	0.00
22	s	2,4,6-Tribromophenol	0.175	0.194	-10.9	100	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	861.370	13.9	90	0.00
25	t	Hexachlorobenzene	0.236	0.206	12.7	92	0.00
26	t	Pentachlorophenol	*1000.000	851.468	14.9	85	0.00
27	t	Phenanthrene	1.170	1.054	9.9	92	0.00
28	t	Anthracene	1.173	1.120	4.5	97	0.00
29	t	Fluoranthene	1.463	1.326	9.4	93	0.00
30	t	Pyrene	1.510	1.370	9.3	93	0.00
31	T	Benzidine	0.000	0.944	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.992	0.856	13.7	87	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	97	0.00
34	t	Benzo[a]anthracene	*1000.000	944.957	5.5	92	0.00
35	t	3,3'-Dichlorobenzidine	*1000.000	1176.820	-17.7	128	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : ccv0306.D
Acq On : 06 Mar 2025 06:40 am
Operator : sv119:kmh
Sample : wg2037227-3,32,,ICV 11275 (0222e)
Misc : wg2037227,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 06:54:41 2025
Quant Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:34 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.377	1.242	9.8	91	0.00
37	T	Bis(2-ethylhexyl)phthalate	0.714	0.879	-23.1#	115	0.00
38	i	Perylene-d12	1.000	1.000	0.0	102	0.00
39	t	Benzo[b]fluoranthene	1.326	1.235	6.9	94	0.00
40	t	Benzo[k]fluoranthene	1.307	1.246	4.7	98	0.00
41	t	Benzo[a]pyrene	1.125	1.199	-6.6	106	0.00
42	t	Indeno[1,2,3-cd]pyrene	1.089	1.237	-13.6	111	0.00
43	t	Dibenzo[a,h]anthracene	1.010	1.141	-13.0	107	0.00
44	t	Benzo[g,h,i]perylene	1.036	1.144	-10.4	109	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : ccv0306.D
Acq On : 06 Mar 2025 06:40 am
Operator : sv119:kmh
Sample : wg2037227-3,32,,ICV 11275 (0222e)
Misc : wg2037227,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 06:54:41 2025
Quant Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:34 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	292191	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.859	136	1182863	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.829	164	685201	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.661	188	1483480	4000.000	ng/ml	0.00
33) Chrysene-d12	6.202	240	1506958	4000.000	ng/ml	0.00
38) Perylene-d12	7.378	264	1589828	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.625	112	82900	1058.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.94%			
4) Phenol-d6	2.022	99	105438	1079.045	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.95%			
8) Nitrobenzene-d5	2.483	82	94153	993.645	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.36%			
14) 2-Fluorobiphenyl	3.451	172	244140	846.429	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.64%			
22) 2,4,6-Tribromophenol	4.271	330	33162	1108.892	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.44%			
32) 4-Terphenyl-d14	5.573	244	317427	862.534	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.25%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.189	74	53255	No Calib	#	
5) Bis(2-chloroethyl)ether	2.072	93	89643	993.938	ng/ml	91
6) n-nitrosodi-n-propylamine	2.402	70	64335	1064.366	ng/ml	100
7) Hexachloroethane	2.456	117	35892	947.708	ng/ml	96
10) Naphthalene	2.871	128	295569	895.935	ng/ml	100
11) Hexachlorobutadiene	2.940	225	45914	790.848	ng/ml	100
12) 2-Methylnaphthalene	3.248	142	189490	821.946	ng/ml	98
13) 1-Methylnaphthalene	3.300	142	197612	930.935	ng/ml	98
15) 2-Chloronaphthalene	3.515	162	209570	880.181	ng/ml	93
16) 2,6-Dinitrotoluene	3.712	165	54568	929.984	ng/ml#	89
17) Acenaphthylene	3.747	152	352502	955.993	ng/ml	100
19) Acenaphthene	3.845	153	215260	941.951	ng/ml	93
20) 2,4-Dinitrotoluene	3.941	165	76387	1050.785	ng/ml#	70
21) Fluorene	4.133	166	263473	1003.495	ng/ml	97
24) 4,6-Dinitro-o-cresol	4.171	198	41753	861.370	ng/ml	97
25) Hexachlorobenzene	4.450	284	76565	875.593	ng/ml	93
26) Pentachlorophenol	4.563	266	37393	851.468	ng/ml	99
27) Phenanthrene	4.673	178	390713	900.785	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : ccv0306.D
Acq On : 06 Mar 2025 06:40 am
Operator : sv119:kmh
Sample : wg2037227-3,32,,ICV 11275 (0222e)
Misc : wg2037227,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 06:54:41 2025
Quant Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:34 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.701	178	415476	955.384	ng/ml	99
29) Fluoranthene	5.351	202	491843	906.353	ng/ml	98
30) Pyrene	5.482	202	508208	907.305	ng/ml	100
31) Benzidine	5.429	184	350227	No Calib #		
34) Benzo[a]anthracene	6.194	228	504647	944.957	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.181	252	223790	1176.820	ng/ml	99
36) Chrysene	6.218	228	468046	902.066	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	6.215	149	331203	1230.461	ng/ml	98
39) Benzo[b]fluoranthene	7.011	252	490788	931.468	ng/ml	100
40) Benzo[k]fluoranthene	7.035	252	495126	952.912	ng/ml	97
41) Benzo[a]pyrene	7.314	252	476368	1065.494	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.569	276	491622	1135.821	ng/ml	99
43) Dibenzo[a,h]anthracene	8.600	278	453576M6	1129.614	ng/ml	
44) Benzo[g,h,i]perylene	8.902	276	454543	1103.359	ng/ml	99

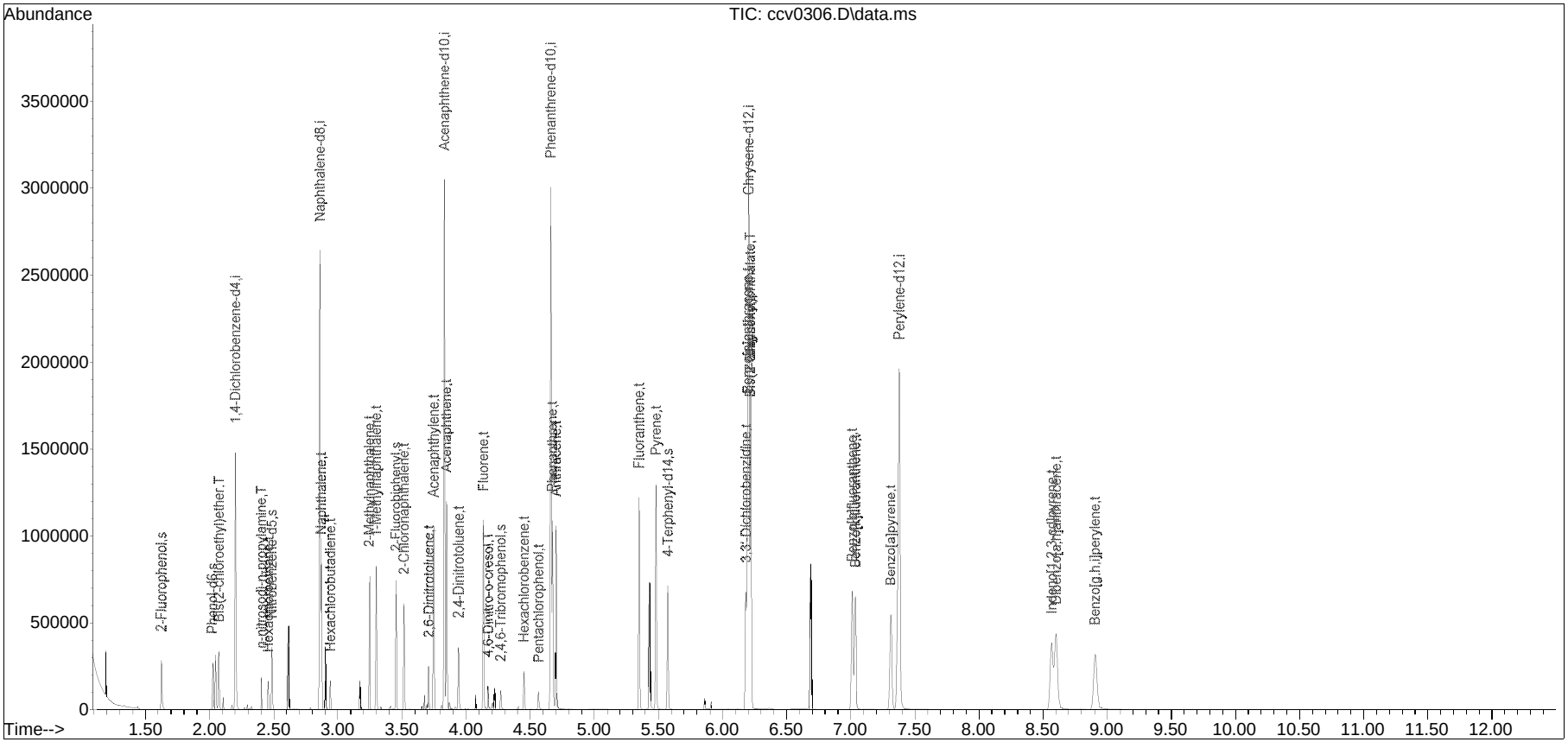
(#) = qualifier out of range (m) = manual integration (+) = signals summed

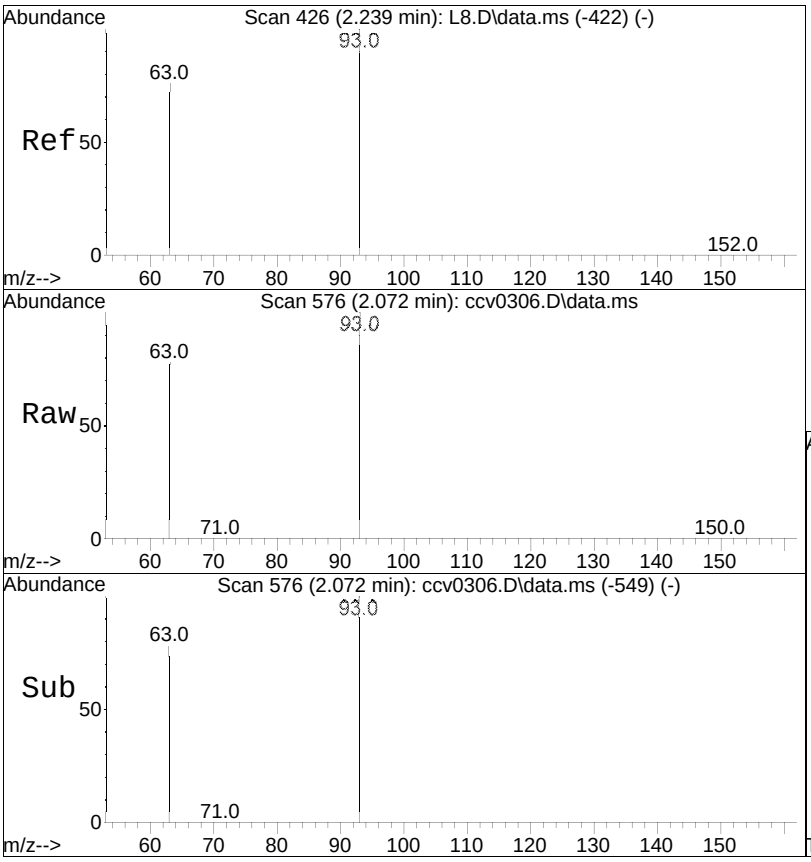
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : ccv0306.D
Acq On : 06 Mar 2025 06:40 am
Operator : sv119:kmh
Sample : wg2037227-3,32,,ICV 11275 (0222e)
Misc : wg2037227,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 06:54:41 2025
Quant Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 06:55:34 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

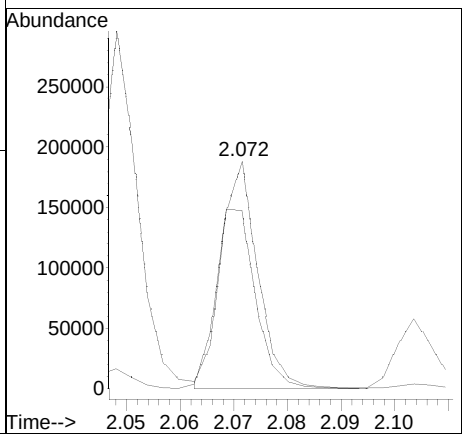


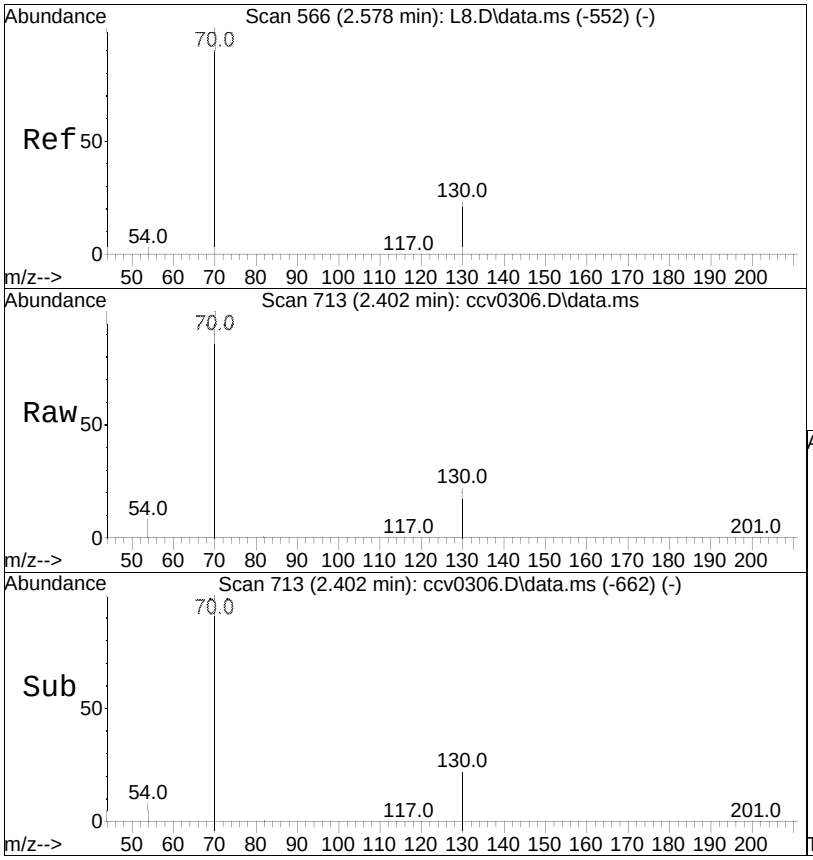


#5
Bis(2-chloroethyl)ether
Concen: 993.94 ng/ml
RT: 2.072 min Scan# 576
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion: 93 Resp: 89643

Ion	Ratio	Lower	Upper
93	100		
63	85.3	61.7	92.5

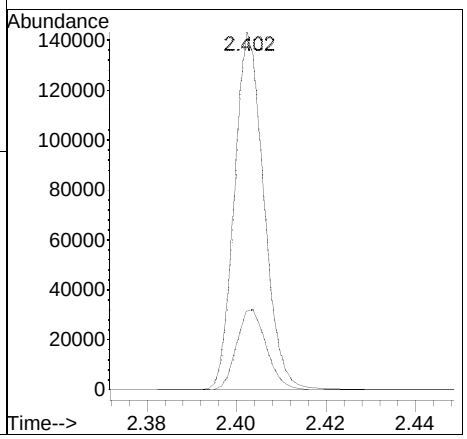


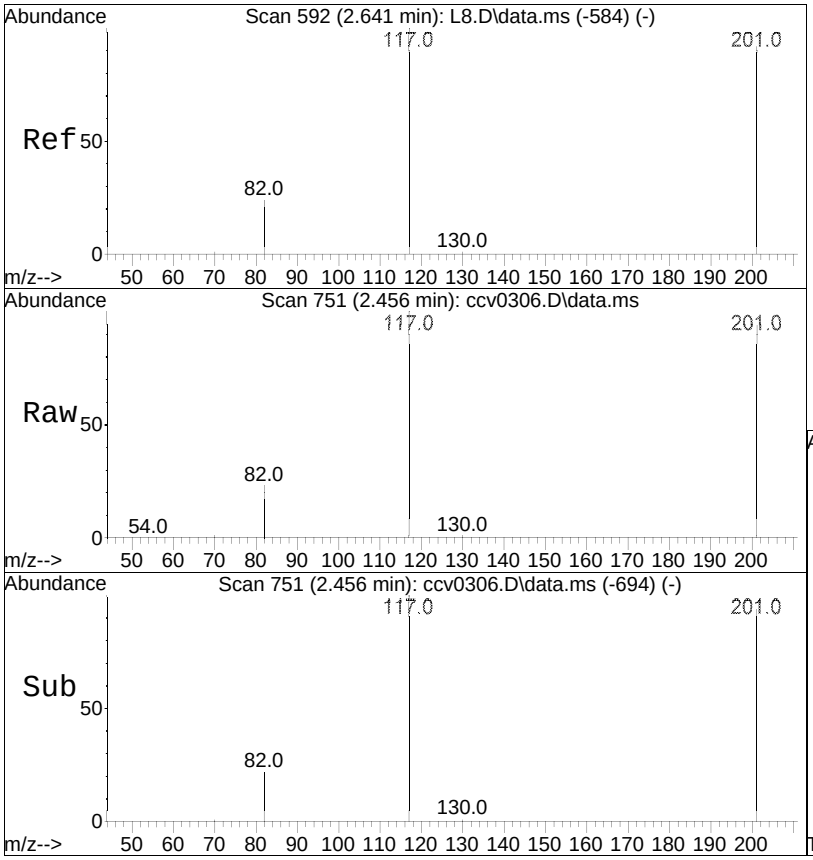


#6
n-nitrosodi-n-propylamine
Concen: 1064.37 ng/ml
RT: 2.402 min Scan# 713
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion: 70 Resp: 64335

Ion	Ratio	Lower	Upper
70	100		
130	22.8	18.1	27.1

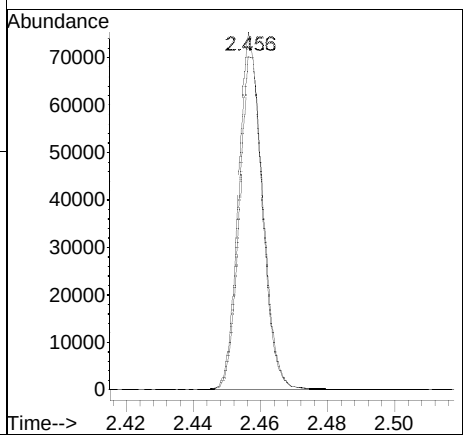


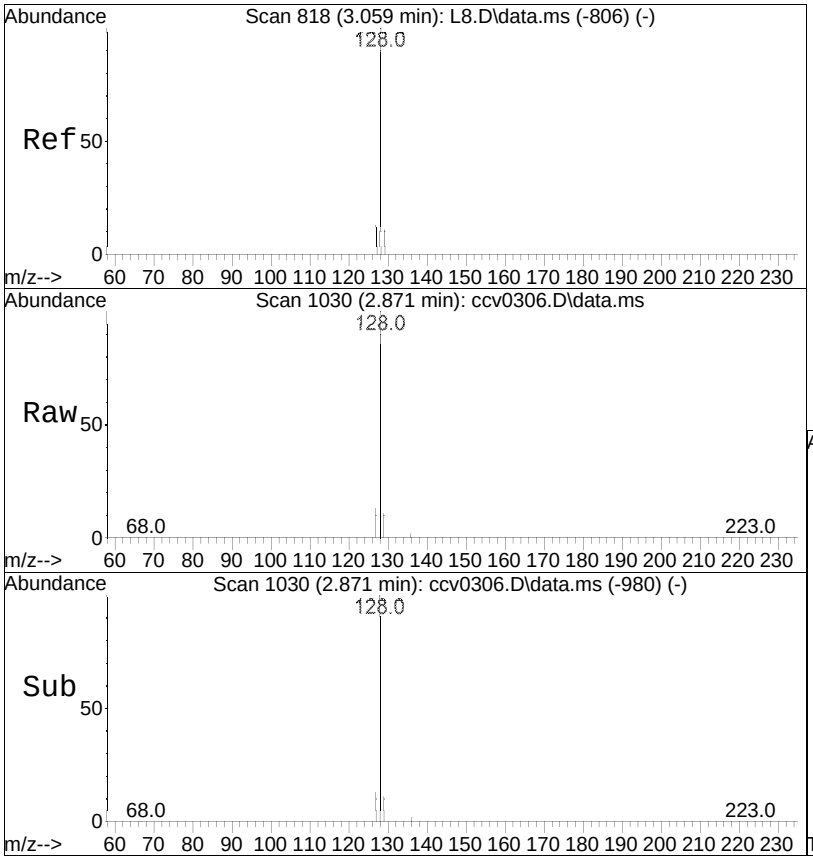


#7
Hexachloroethane
Concen: 947.71 ng/ml
RT: 2.456 min Scan# 751
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:117 Resp: 35892

Ion	Ratio	Lower	Upper
117	100		
201	95.5	79.3	118.9

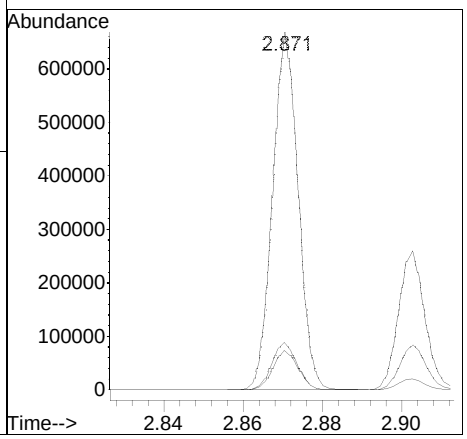


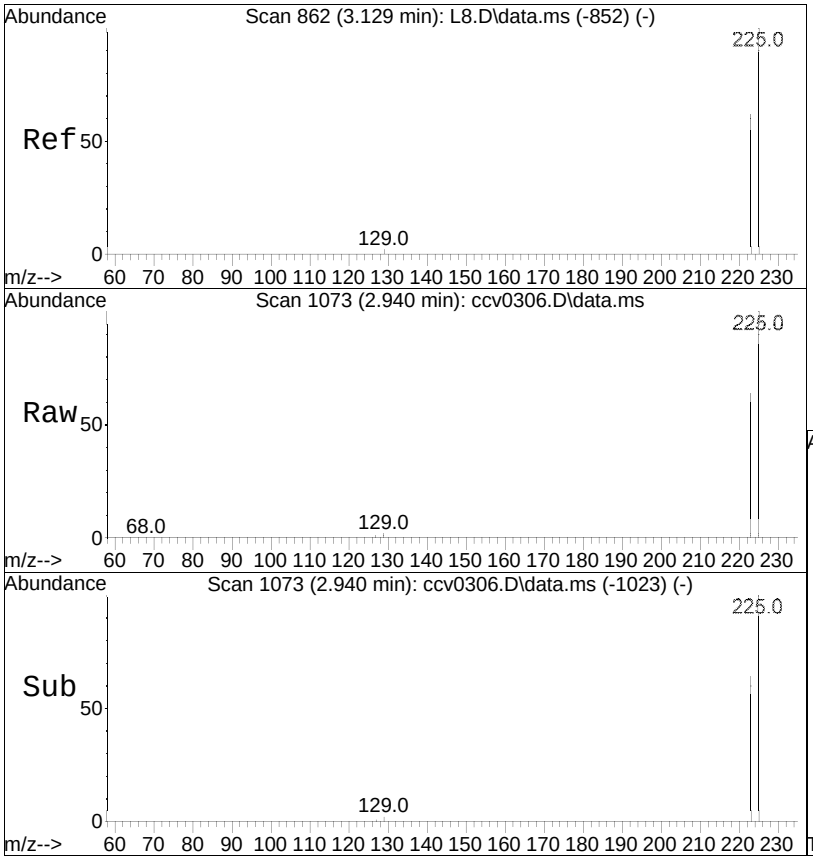


#10
Naphthalene
Concen: 895.94 ng/ml
RT: 2.871 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:128 Resp: 295569

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.5	15.7

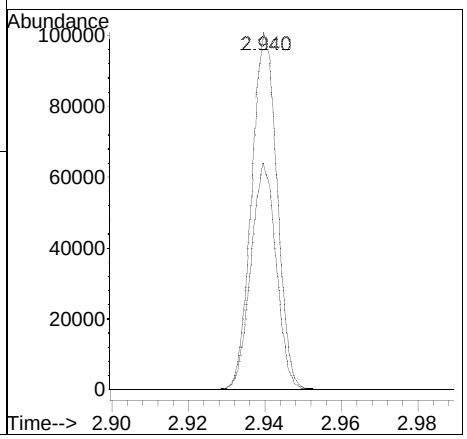


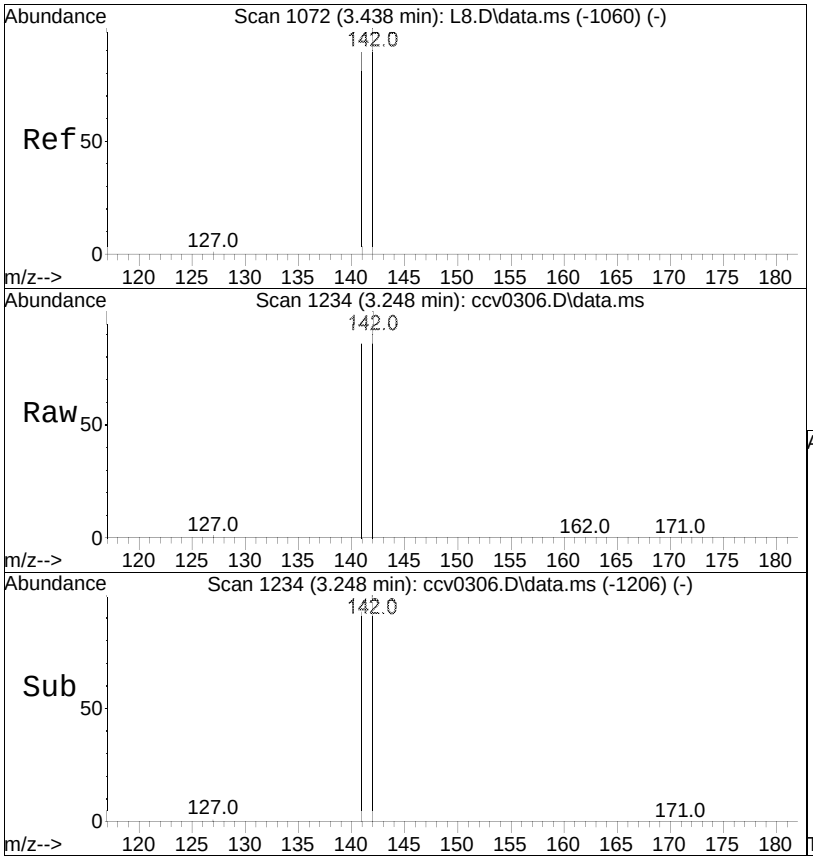


#11
Hexachlorobutadiene
Concen: 790.85 ng/ml
RT: 2.940 min Scan# 1073
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:225 Resp: 45914

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

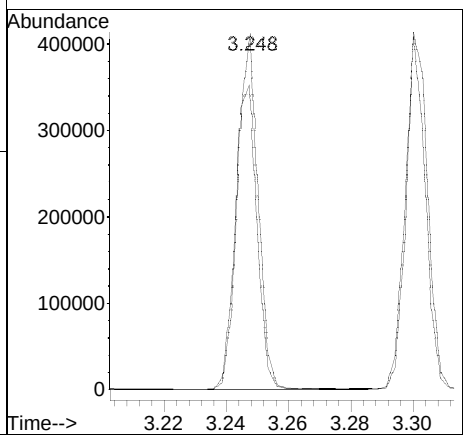


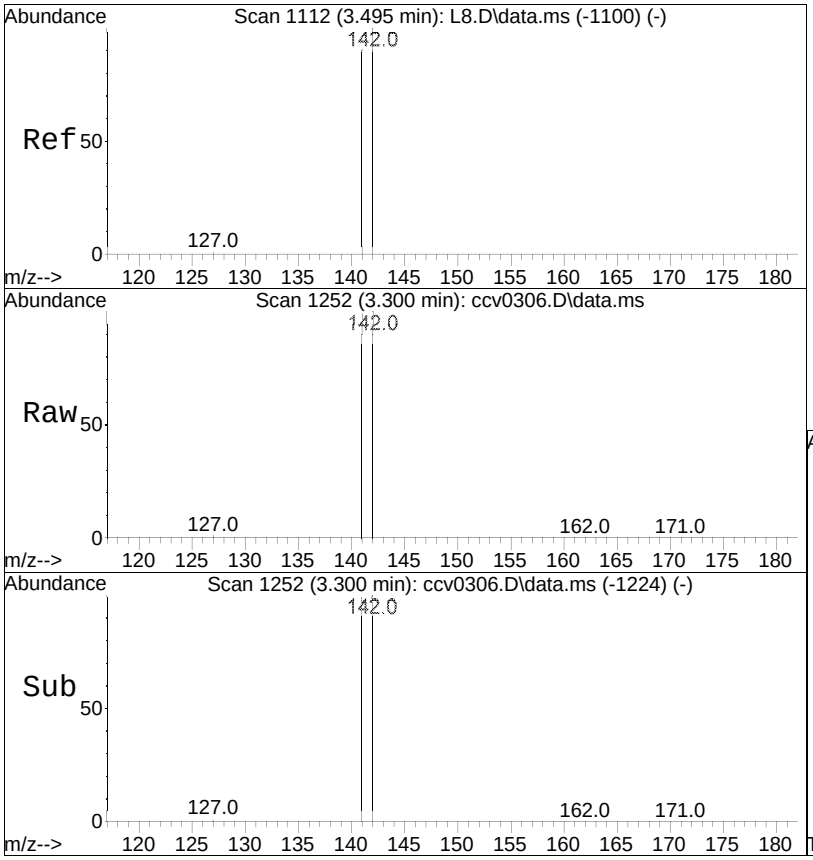


#12
2-Methylnaphthalene
Concen: 821.95 ng/ml
RT: 3.248 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:142 Resp: 189490

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.3	106.9

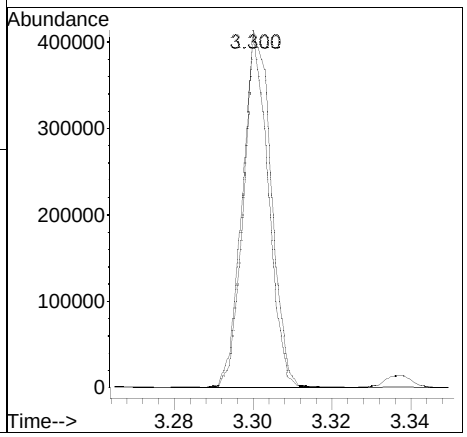


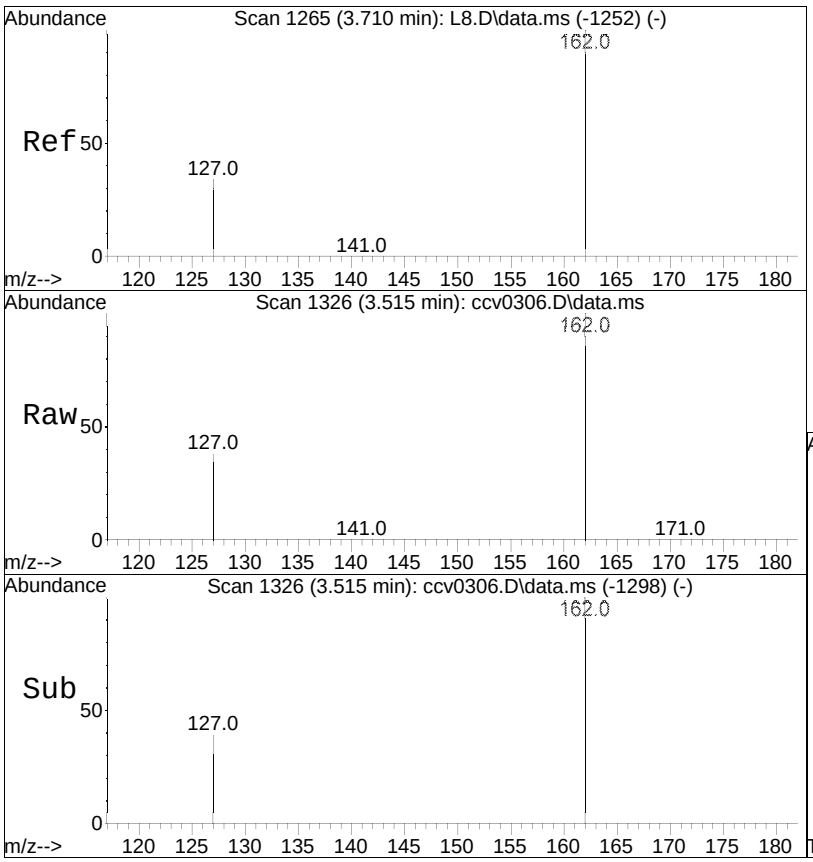


#13
1-Methylnaphthalene
Concen: 930.94 ng/ml
RT: 3.300 min Scan# 1252
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:142 Resp: 197612

Ion	Ratio	Lower	Upper
142	100		
141	94.2	73.8	110.6

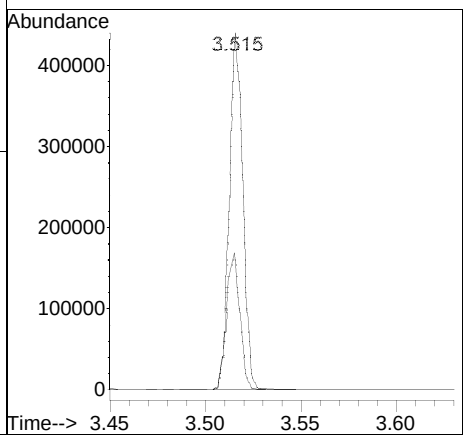


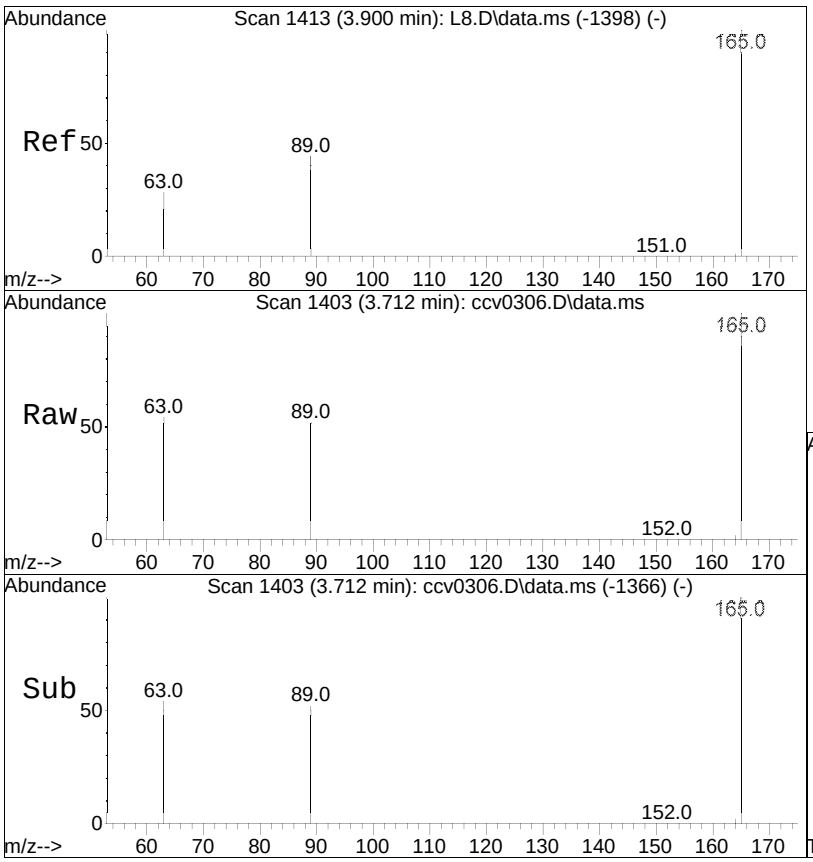


#15
2-Chloronaphthalene
Concen: 880.18 ng/ml
RT: 3.515 min Scan# 1326
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:162 Resp: 209570

Ion	Ratio	Lower	Upper
162	100		
127	38.5	27.4	41.0

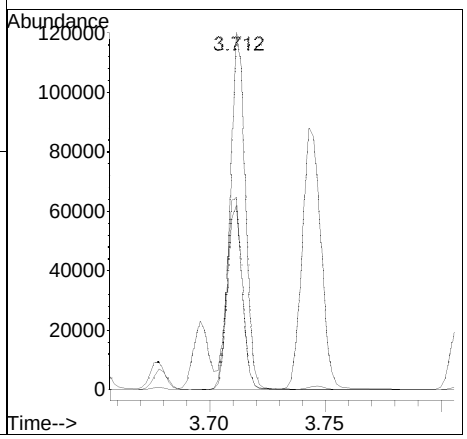


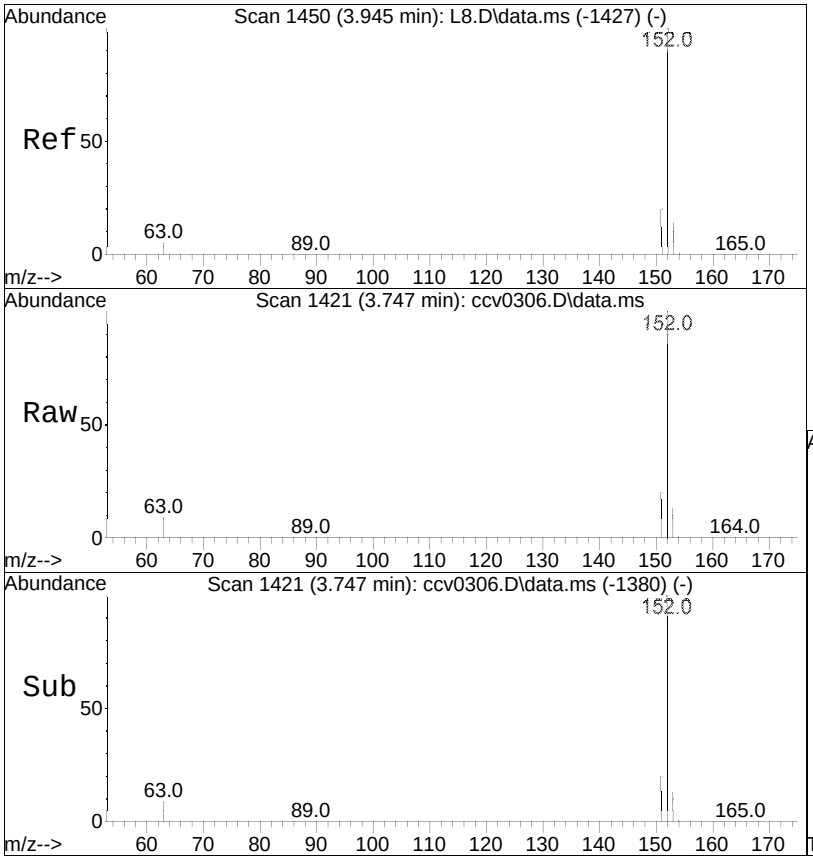


#16
2,6-Dinitrotoluene
Concen: 929.98 ng/ml
RT: 3.712 min Scan# 1403
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:165 Resp: 54568

Ion	Ratio	Lower	Upper
165	100		
89	52.1	37.8	56.8
63	55.8	36.9	55.3#

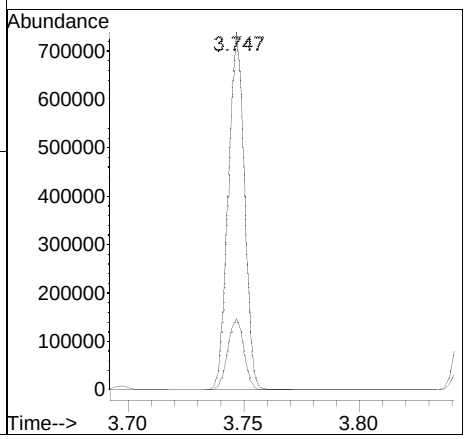


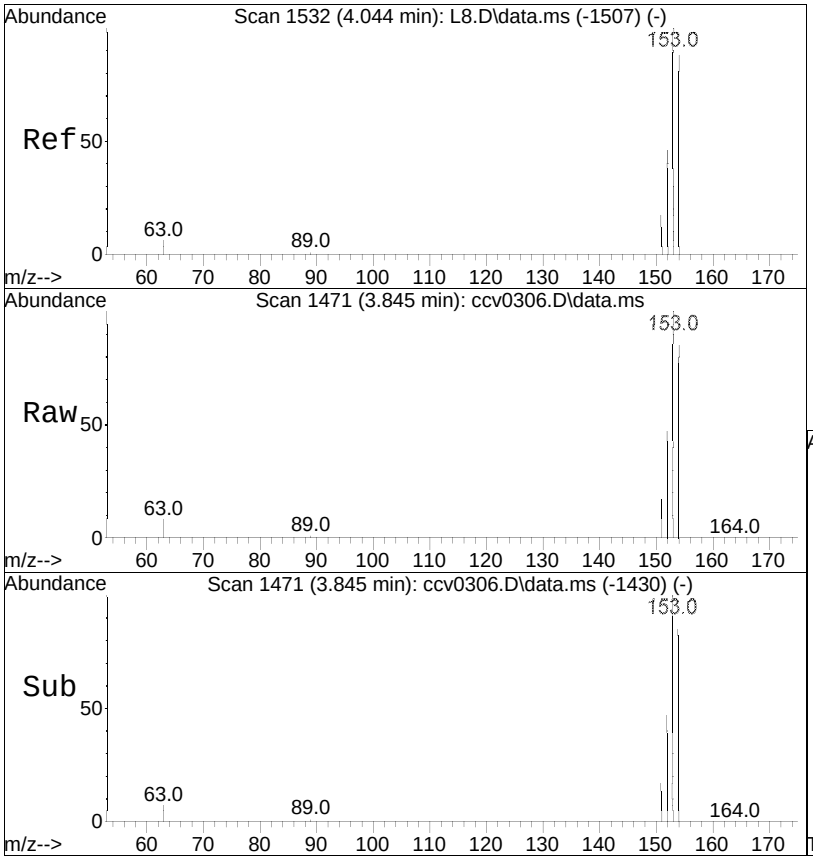


#17
Acenaphthylene
Concen: 955.99 ng/ml
RT: 3.747 min Scan# 1421
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:152 Resp: 352502

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9

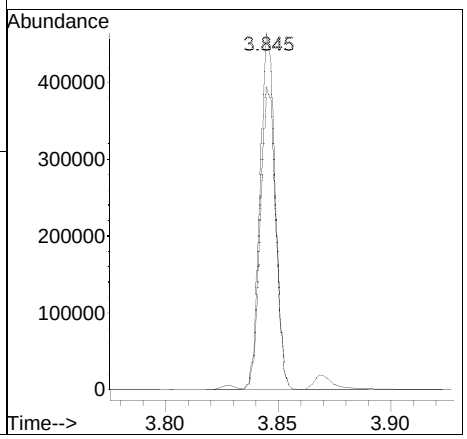


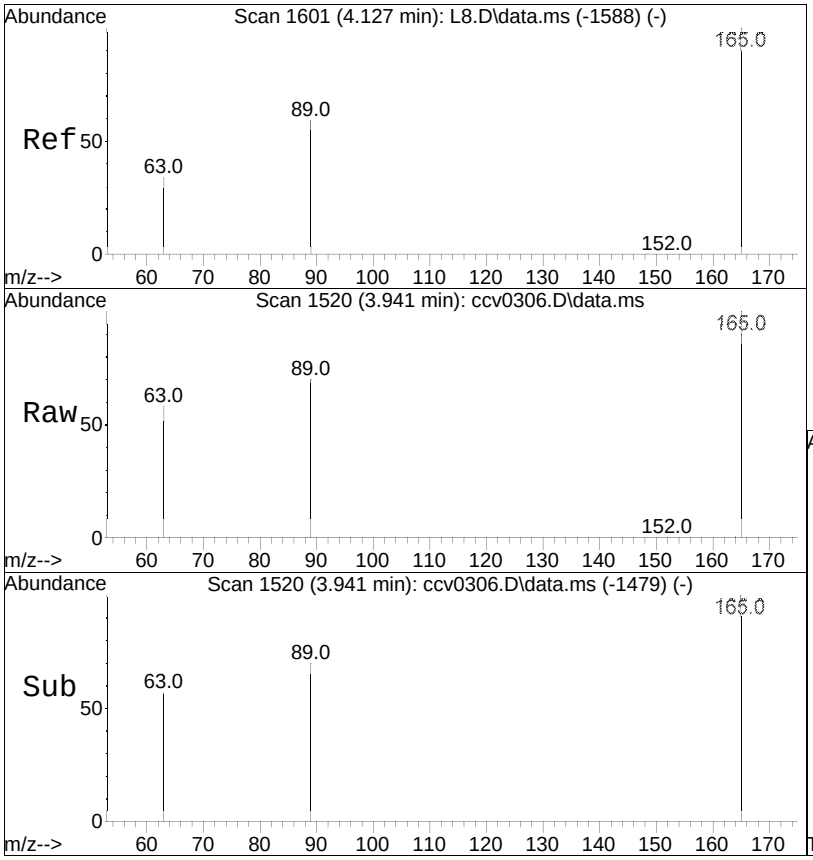


#19
Acenaphthene
Concen: 941.95 ng/ml
RT: 3.845 min Scan# 1471
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:153 Resp: 215260

Ion	Ratio	Lower	Upper
153	100		
154	85.2	73.1	109.7

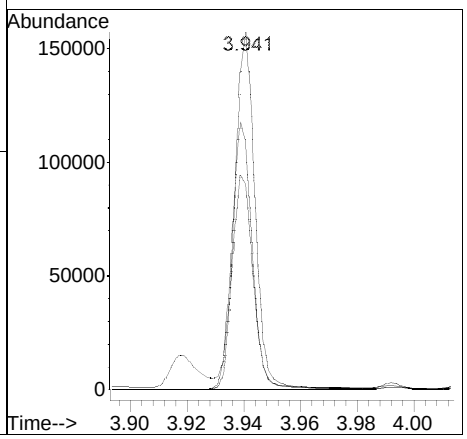


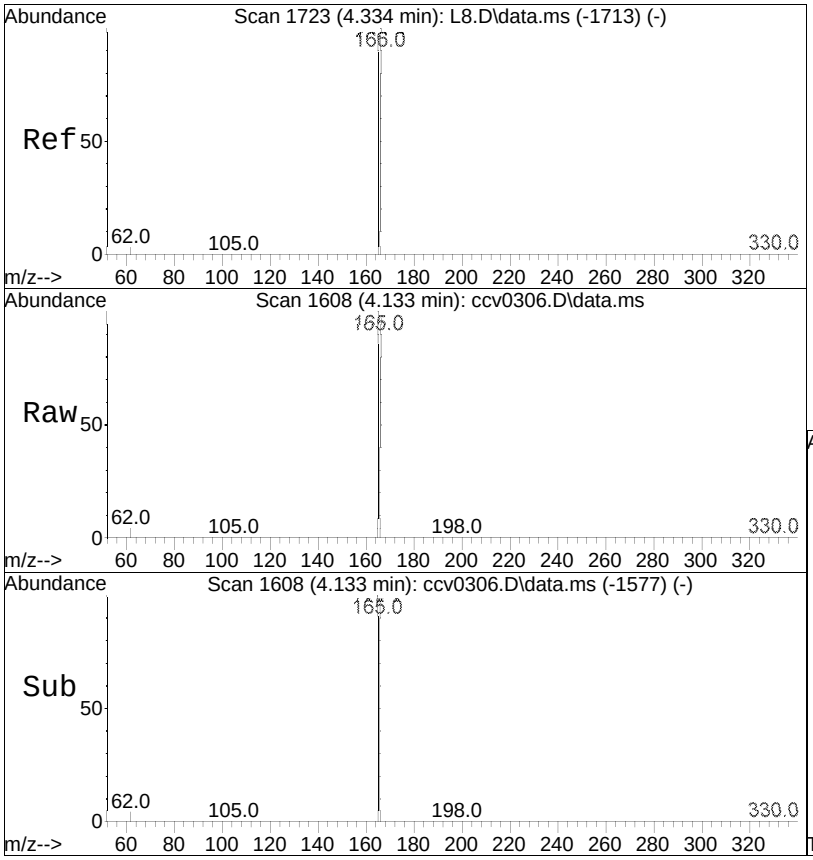


#20
2,4-Dinitrotoluene
Concen: 1050.78 ng/ml
RT: 3.941 min Scan# 1520
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:165 Resp: 76387

Ion	Ratio	Lower	Upper
165	100		
89	76.0	48.7	73.1#
63	64.0	28.6	42.8#

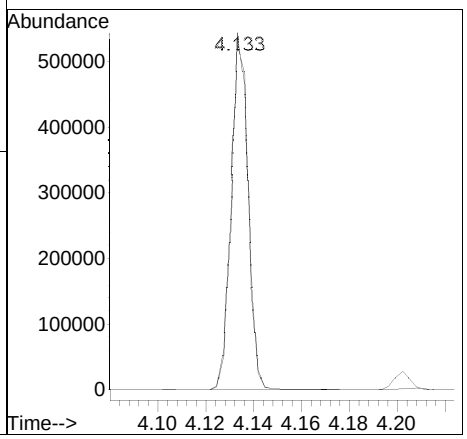


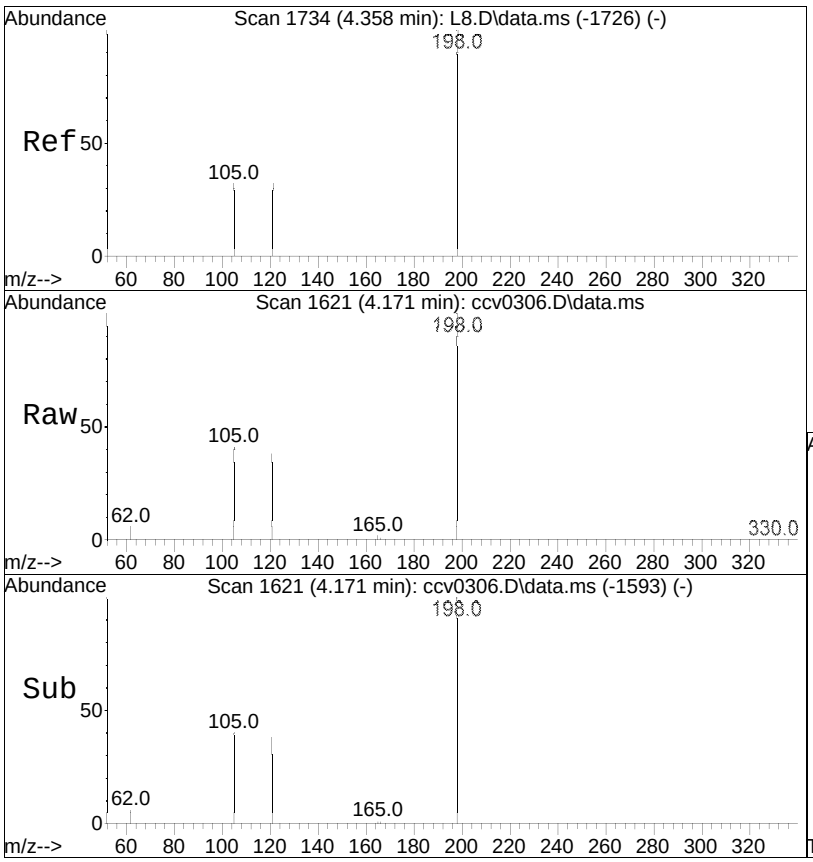


#21
Fluorene
Concen: 1003.50 ng/ml
RT: 4.133 min Scan# 1608
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:166 Resp: 263473

Ion	Ratio	Lower	Upper
166	100		
165	100.5	77.8	116.8

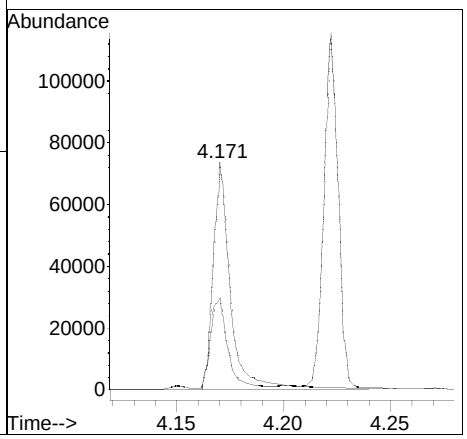


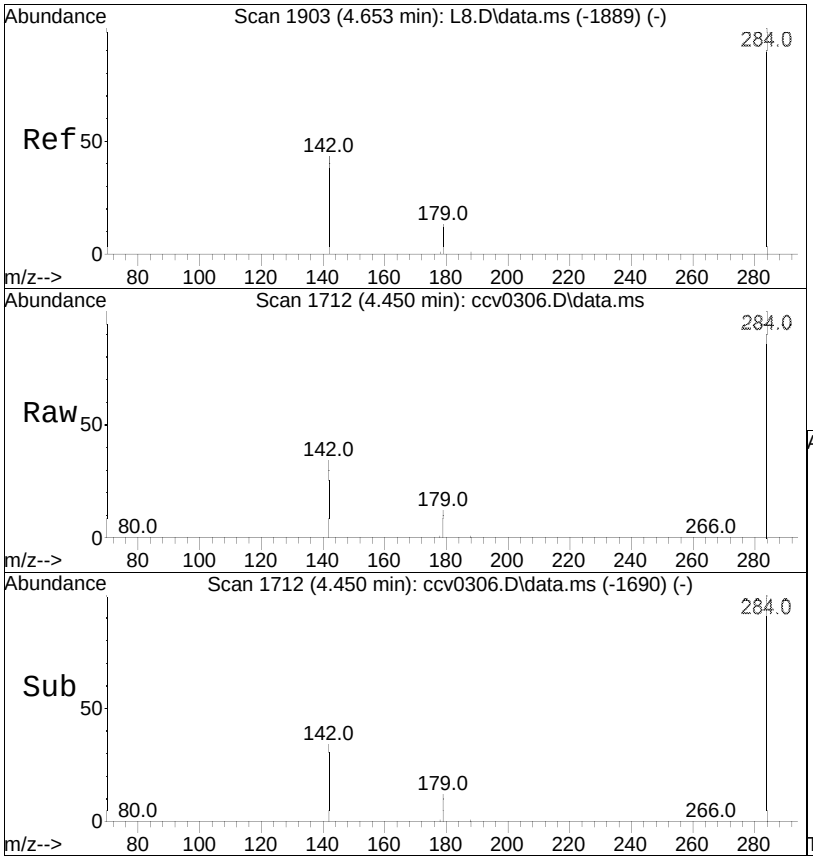


#24
4,6-Dinitro-o-cresol
Concen: 861.37 ng/ml
RT: 4.171 min Scan# 1621
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:198 Resp: 41753

Ion	Ratio	Lower	Upper
198	100		
105	40.2	30.6	45.8

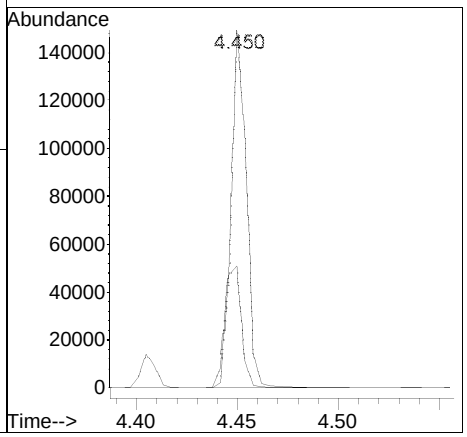


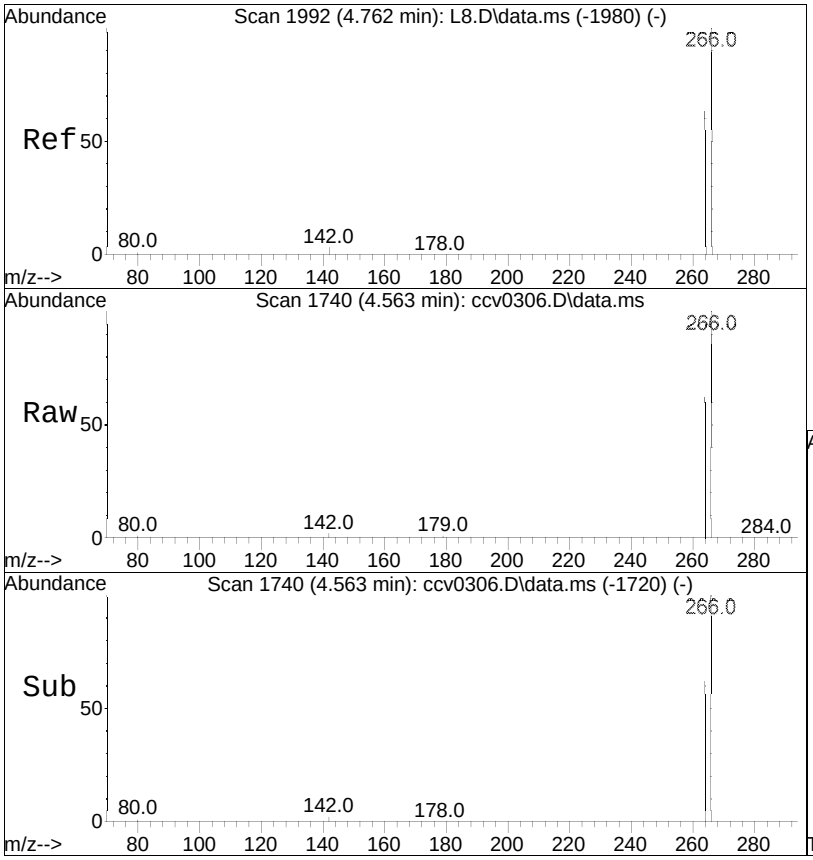


#25
Hexachlorobenzene
Concen: 875.59 ng/ml
RT: 4.450 min Scan# 1712
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:284 Resp: 76565

Ion	Ratio	Lower	Upper
284	100		
142	38.0	33.8	50.6

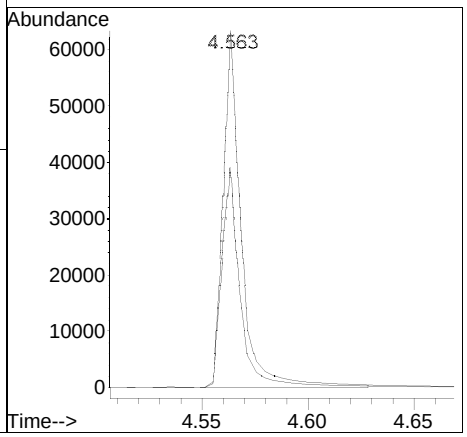


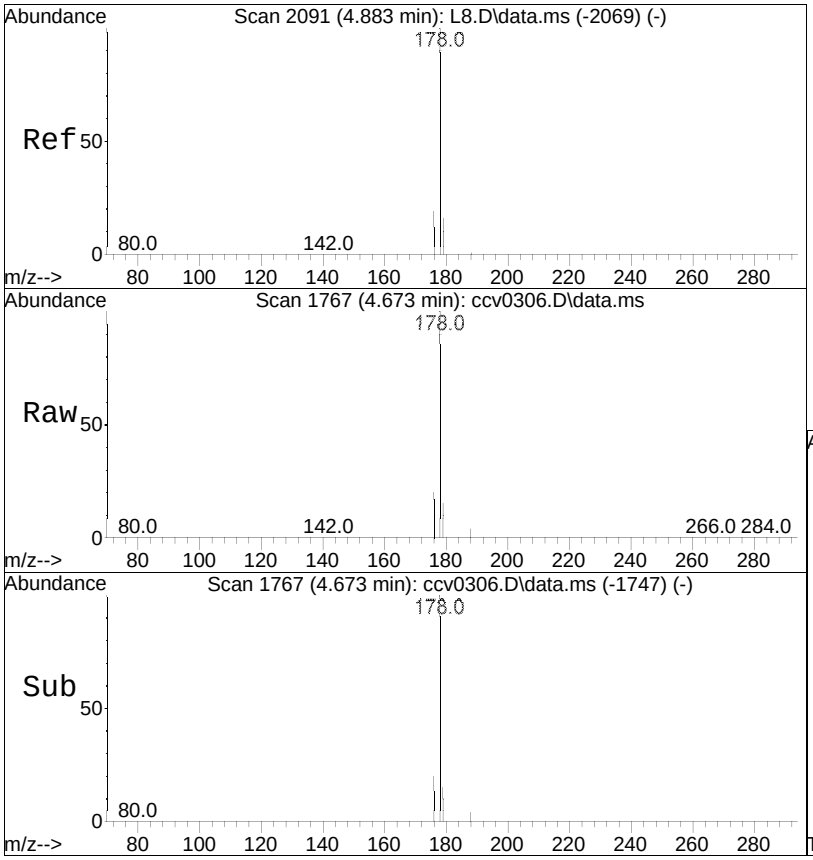


#26
Pentachlorophenol
Concen: 851.47 ng/ml
RT: 4.563 min Scan# 1740
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:266 Resp: 37393

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.8	76.2

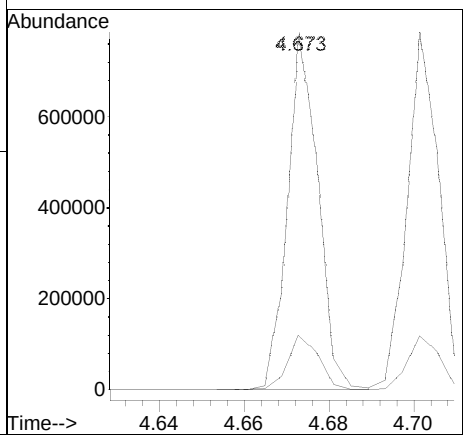


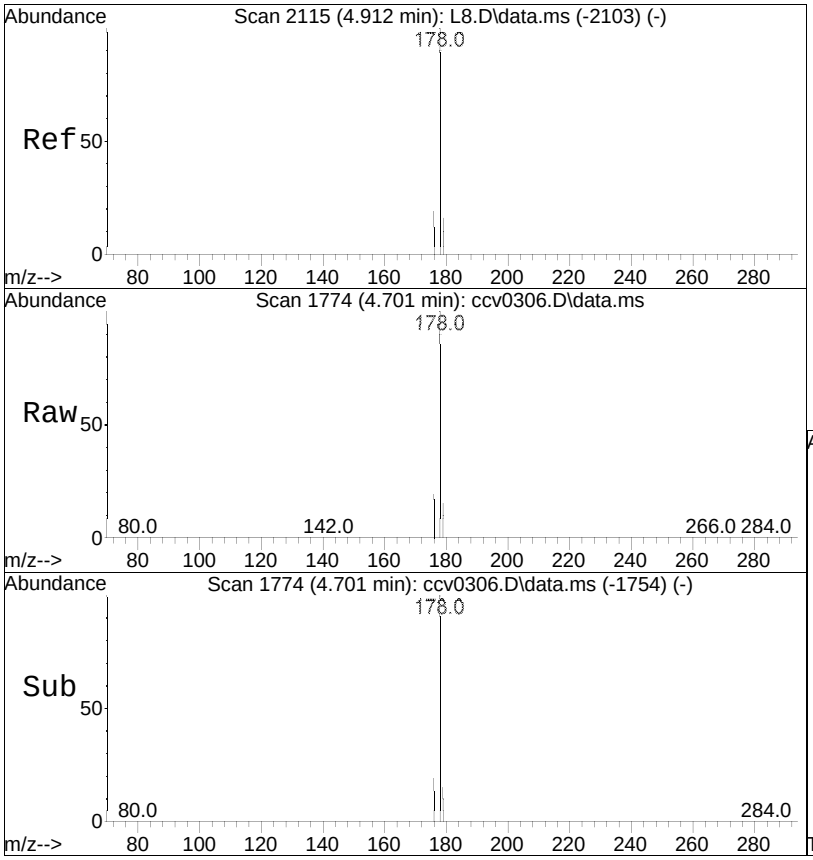


#27
Phenanthrene
Concen: 900.79 ng/ml
RT: 4.673 min Scan# 1767
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:178 Resp: 390713

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.8	19.2

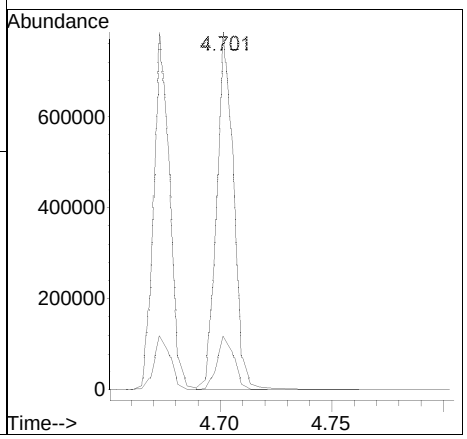


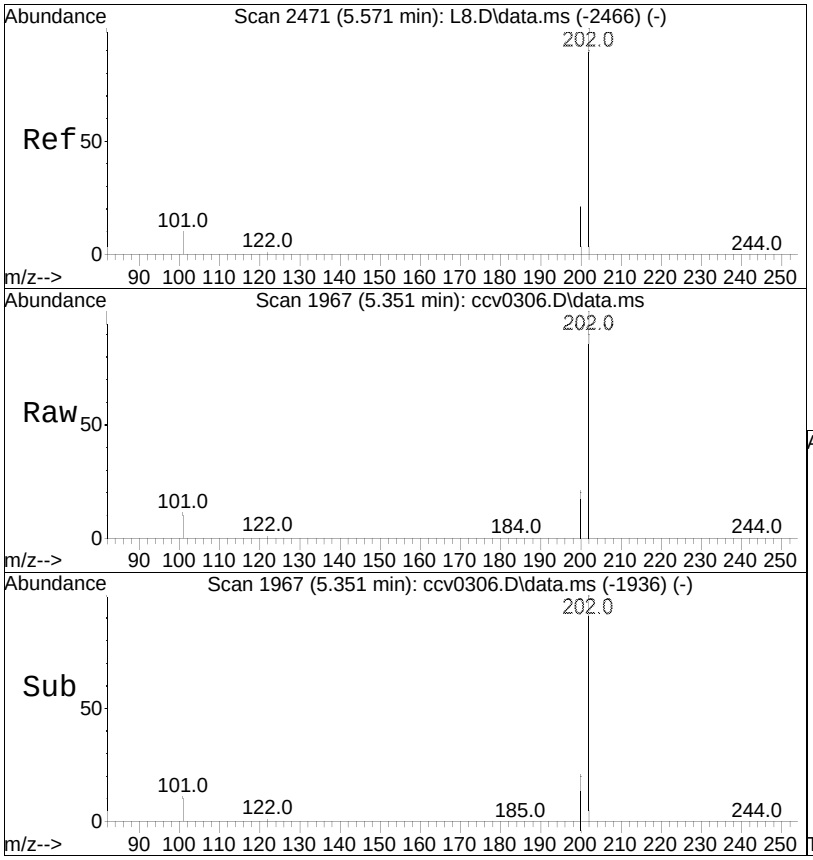


#28
Anthracene
Concen: 955.38 ng/ml
RT: 4.701 min Scan# 1774
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:178 Resp: 415476

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8

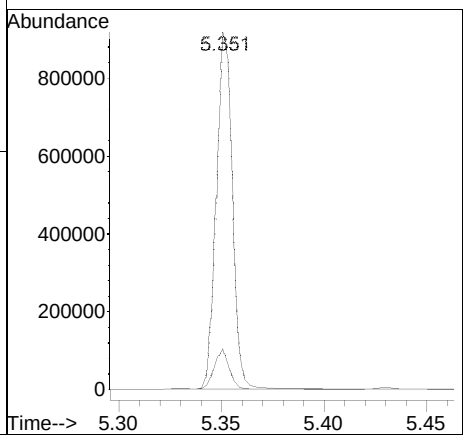


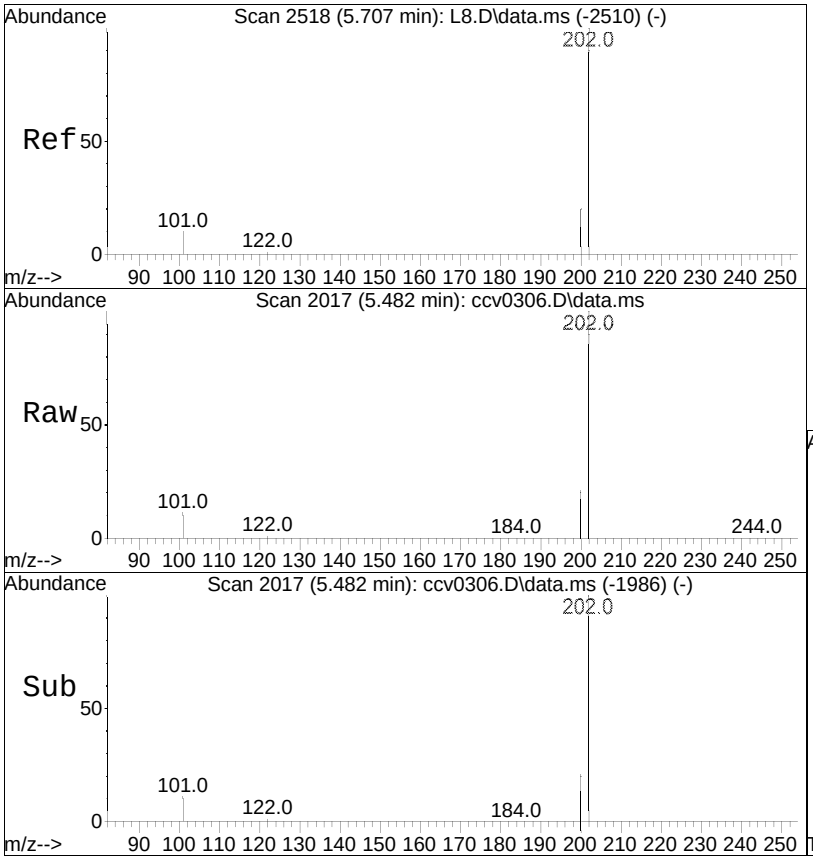


#29
Fluoranthene
Concen: 906.35 ng/ml
RT: 5.351 min Scan# 1967
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:202 Resp: 491843

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.2	12.2

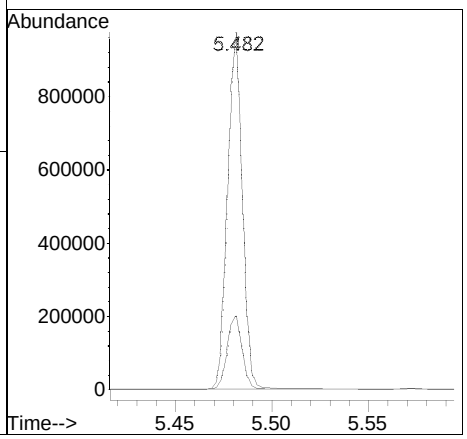


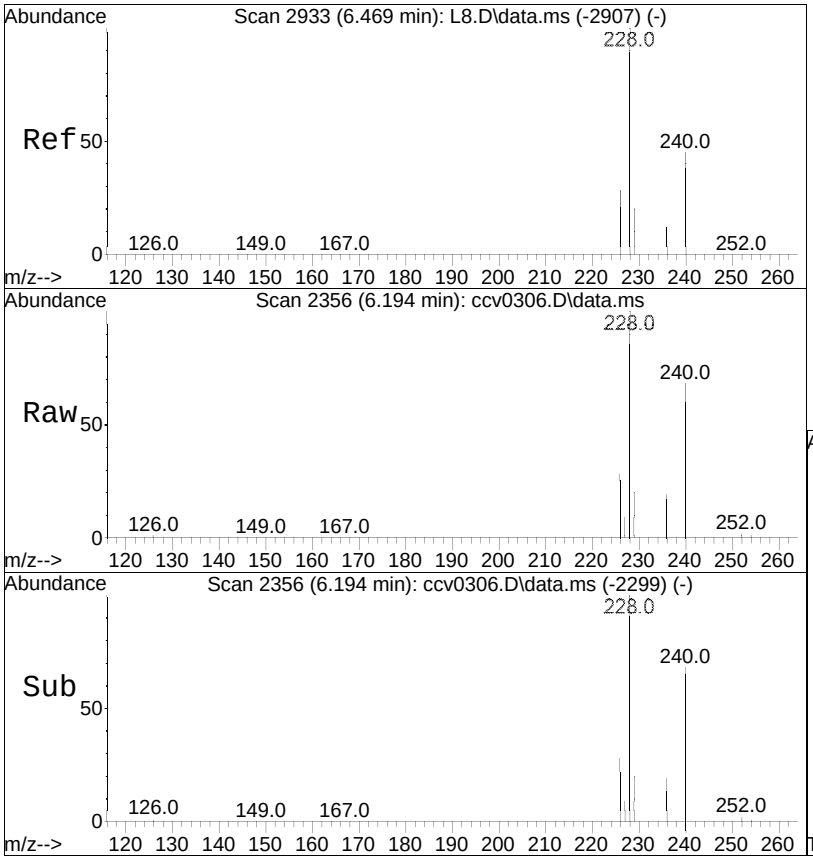


#30
Pyrene
Concen: 907.31 ng/ml
RT: 5.482 min Scan# 2017
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:202 Resp: 508208

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3

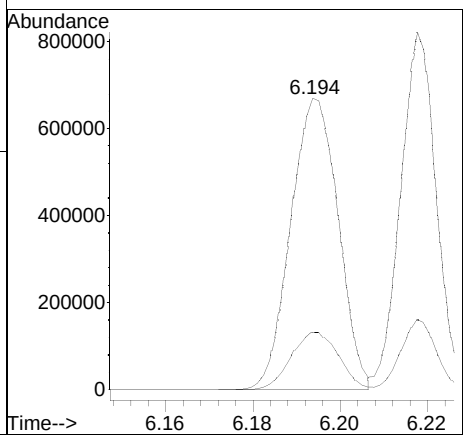


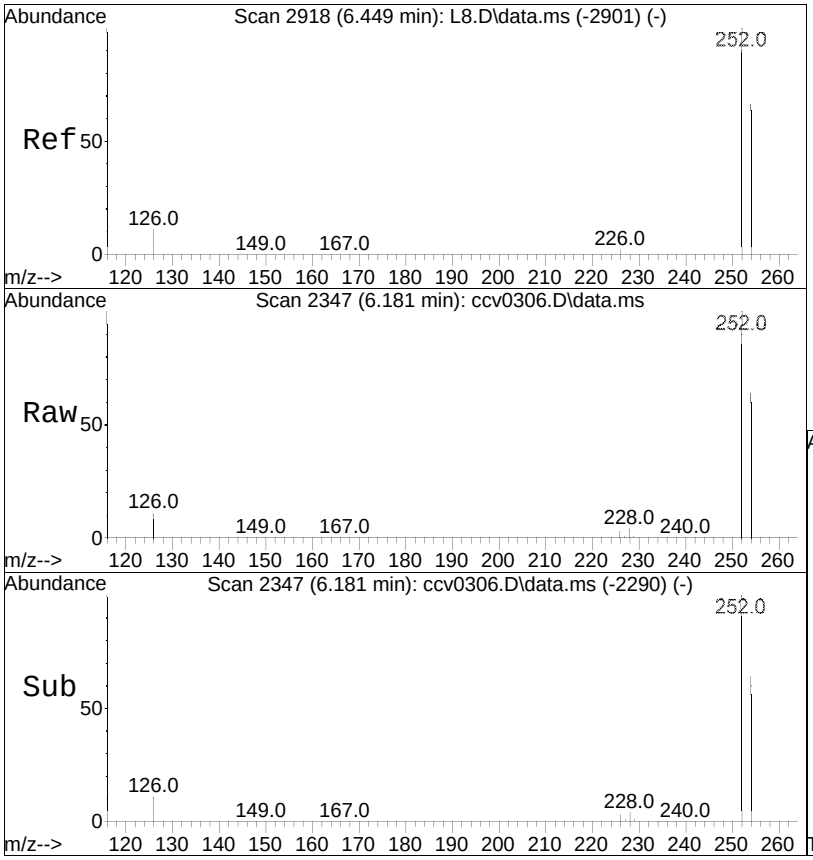


#34
Benzo[a]anthracene
Concen: 944.96 ng/ml
RT: 6.194 min Scan# 2356
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:228 Resp: 504647

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9

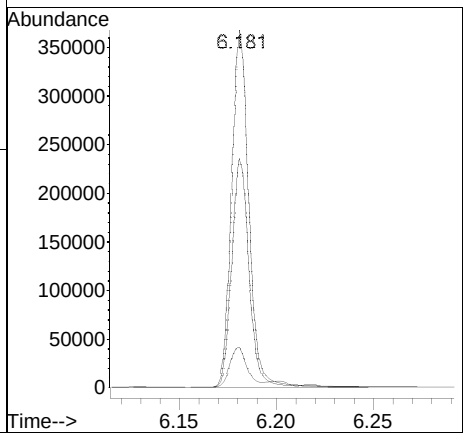


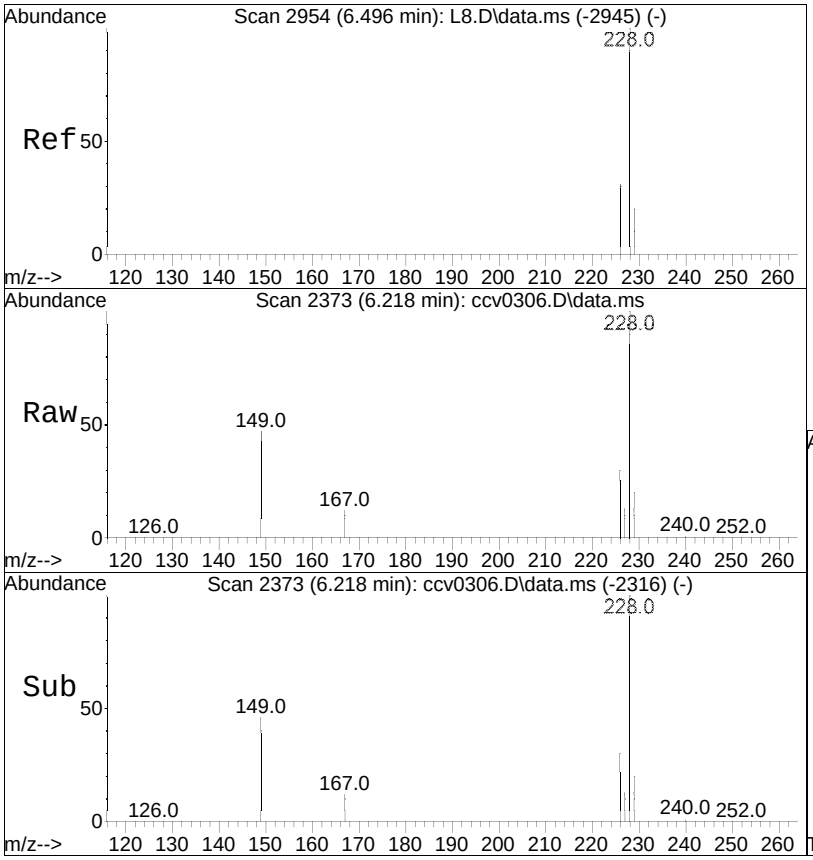


#35
3,3'-Dichlorobenzidine
Concen: 1176.82 ng/ml
RT: 6.181 min Scan# 2347
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:252 Resp: 223790

Ion	Ratio	Lower	Upper
252	100		
126	11.4	8.6	13.0
254	64.4	51.8	77.8

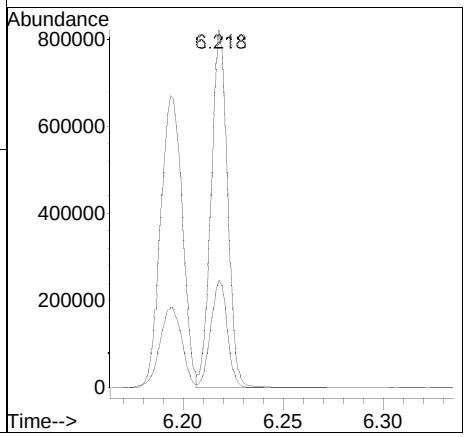


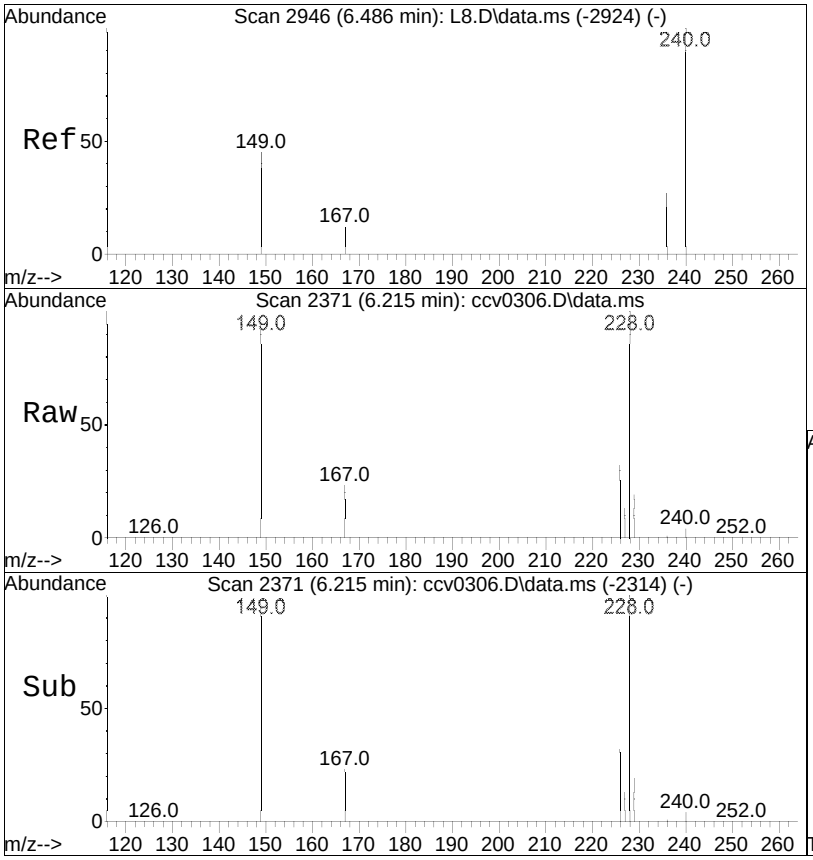


#36
Chrysene
Concen: 902.07 ng/ml
RT: 6.218 min Scan# 2373
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:228 Resp: 468046

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6

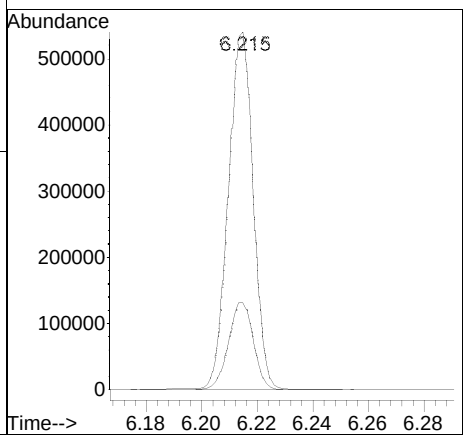


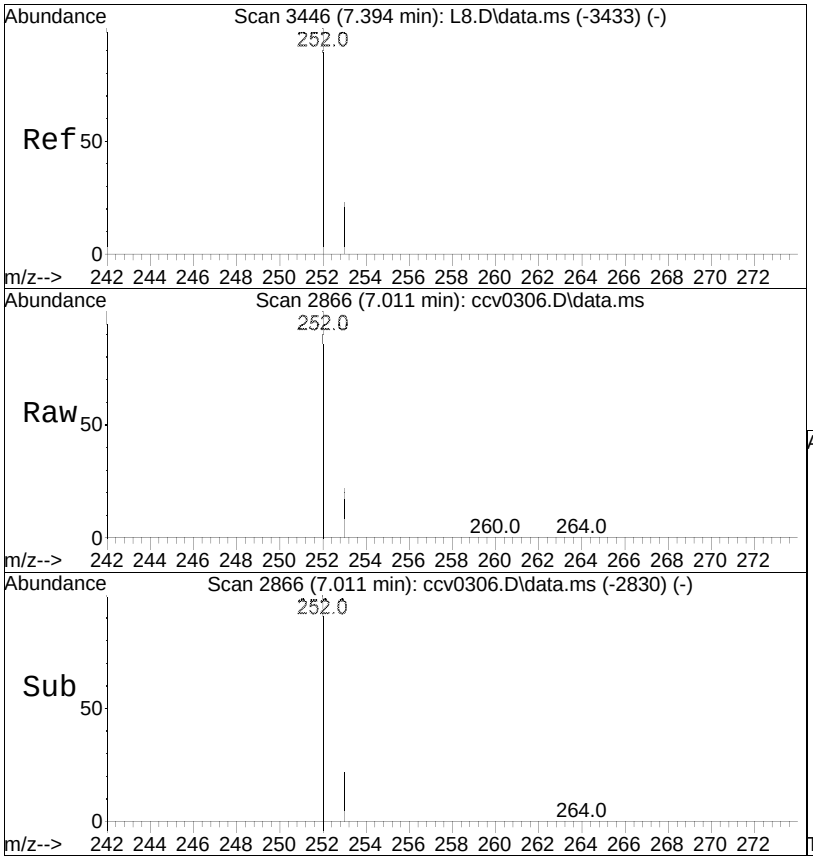


#37
Bis(2-ethylhexyl)phthalate
Concen: 1230.46 ng/ml
RT: 6.215 min Scan# 2371
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:149 Resp: 331203

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.7	31.1

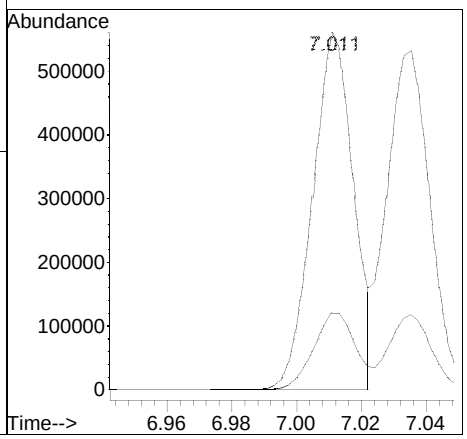


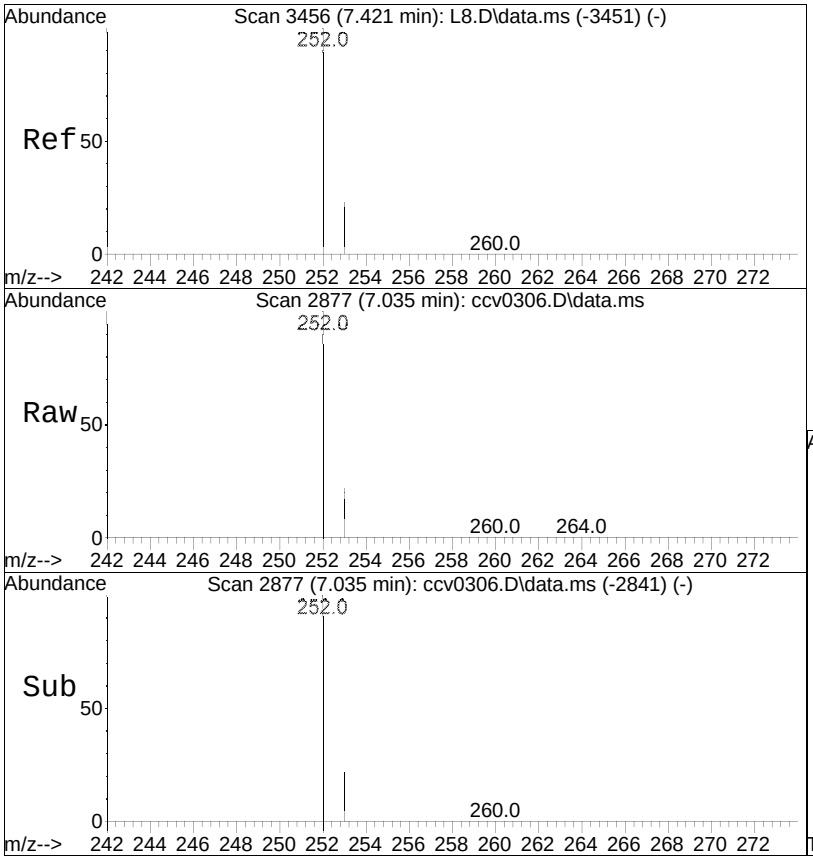


#39
Benzo[b]fluoranthene
Concen: 931.47 ng/ml
RT: 7.011 min Scan# 2866
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:252 Resp: 490788

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1

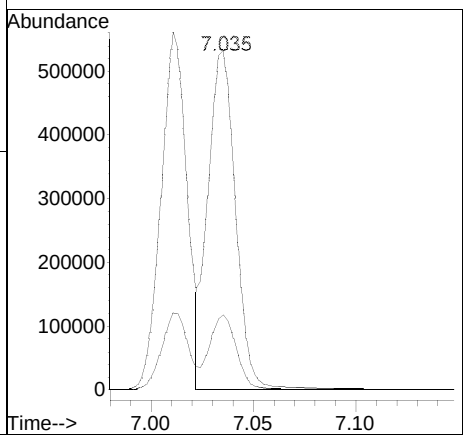


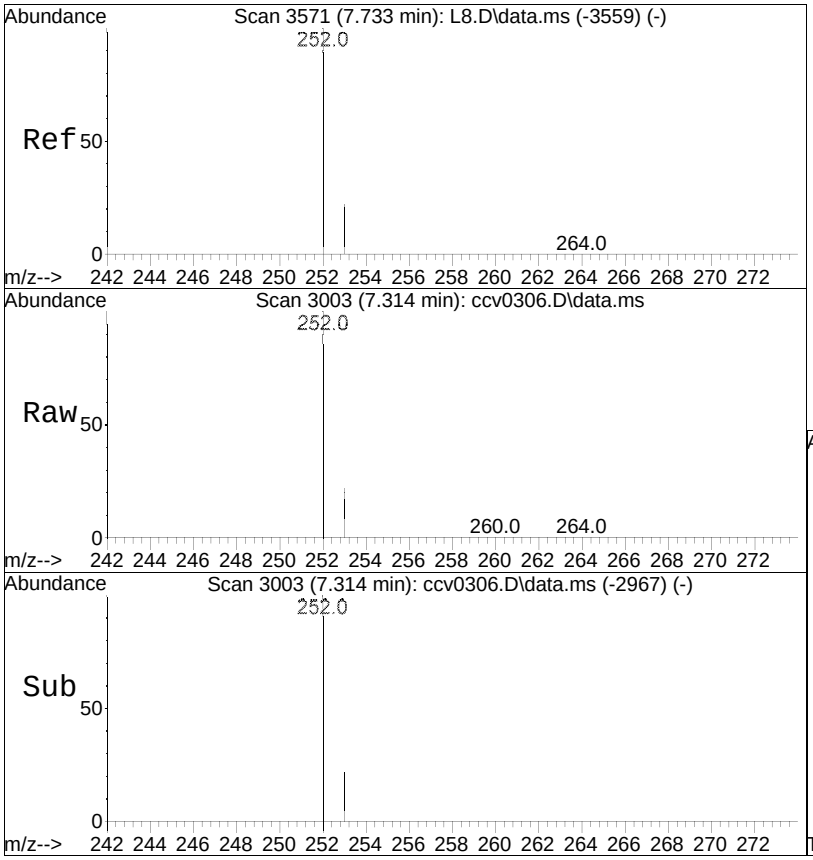


#40
Benzo[k]fluoranthene
Concen: 952.91 ng/ml
RT: 7.035 min Scan# 2877
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:252 Resp: 495126

Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2

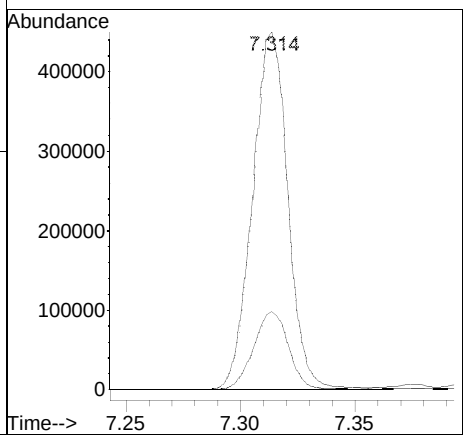


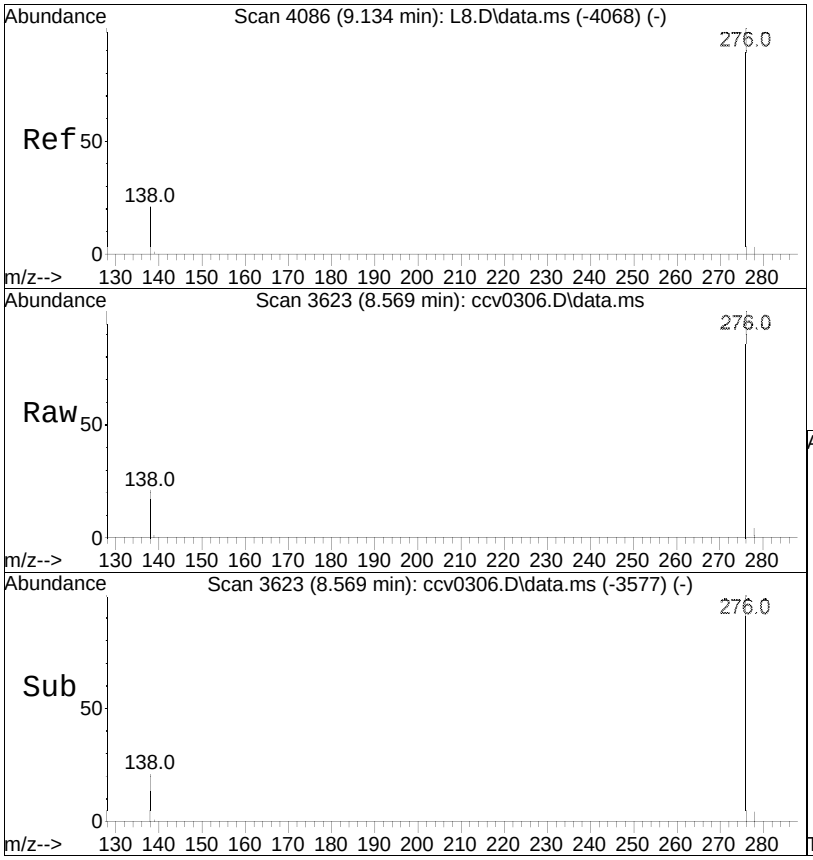


#41
Benzo[a]pyrene
Concen: 1065.49 ng/ml
RT: 7.314 min Scan# 3003
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:252 Resp: 476368

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9

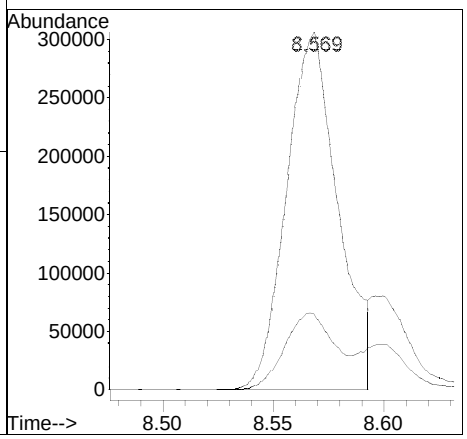


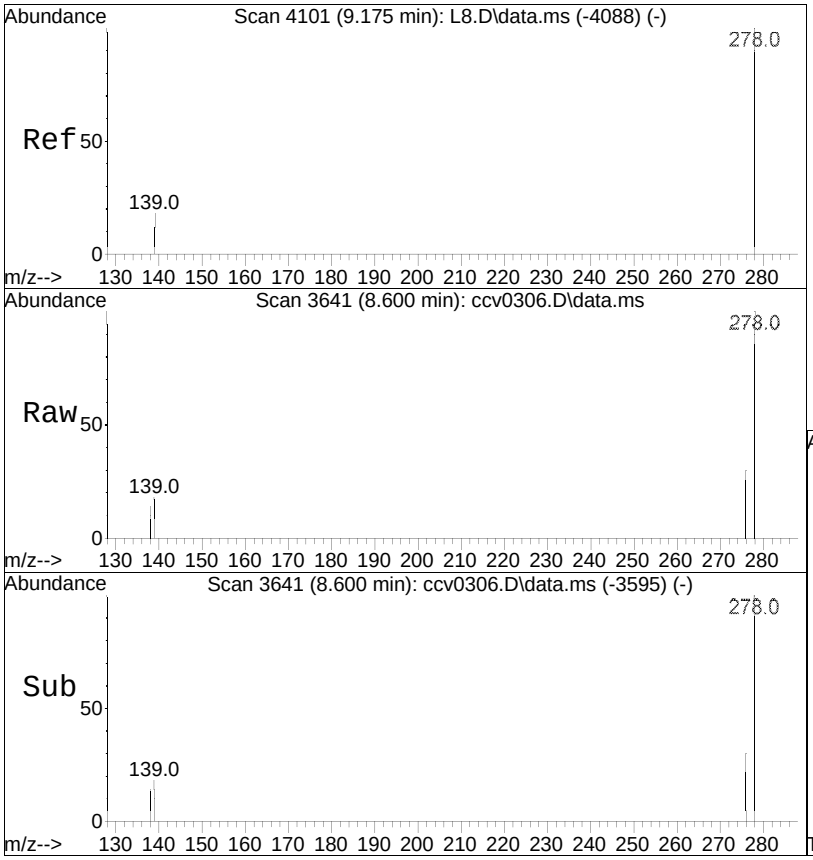


#42
Indeno[1,2,3-cd]pyrene
Concen: 1135.82 ng/ml
RT: 8.569 min Scan# 3623
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:276 Resp: 491622

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.9	25.3

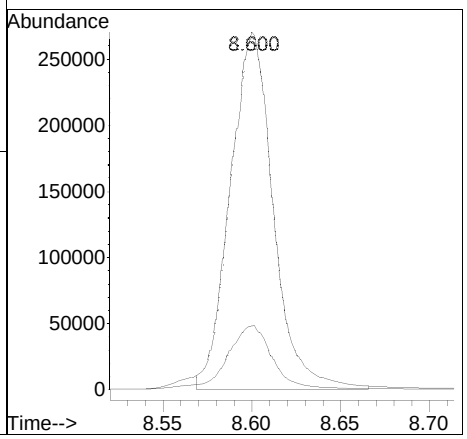


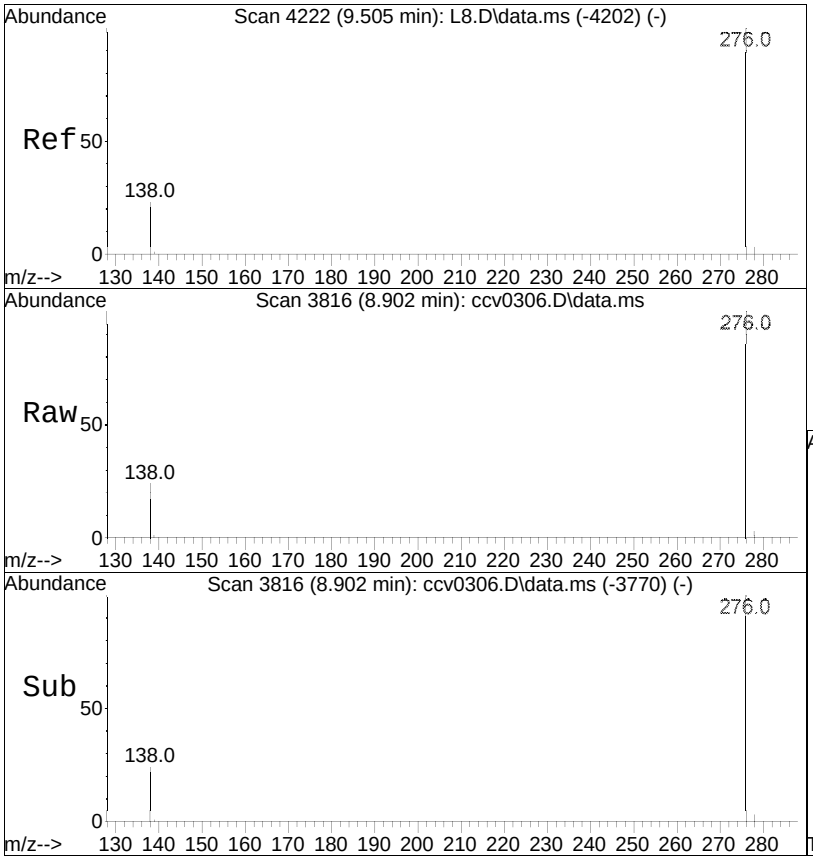


#43
Dibenzo[a,h]anthracene
Concen: 1129.61 ng/ml M6
RT: 8.600 min Scan# 3641
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:278 Resp: 453576

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.6	22.0

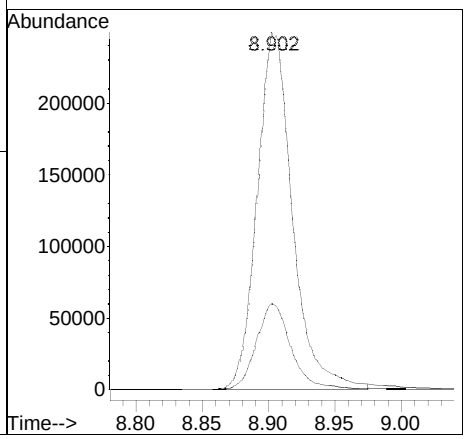




#44
Benzo[g,h,i]perylene
Concen: 1103.36 ng/ml
RT: 8.902 min Scan# 3816
Delta R.T. 0.000 min
Lab File: ccv0306.D
Acq: 06 Mar 2025 06:40 am

Tgt Ion:276 Resp: 454543

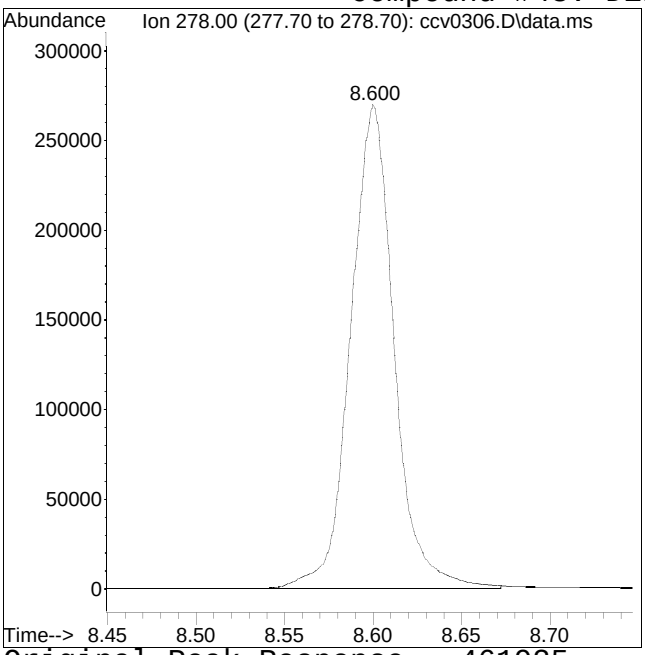
Ion	Ratio	Lower	Upper
276	100		
138	24.0	18.6	28.0



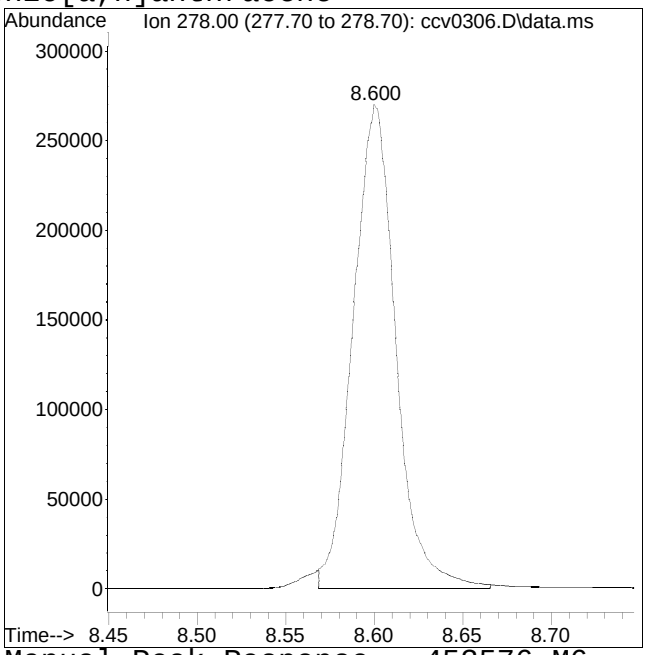
Manual Integration Report

Data Path : I:\8270SIM\sv119\250306RVTQ
Data File : ccv0306.D
Date Inj'd : 3/6/2025 6:40 am
Sample : wg2037227-3,32,,ICV 11275
Method : SIM-RVT_241229_sv119.M
Operator : sv119:kmh
Instrument : SV119
Quant Date : 3/6/2025 6:55 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 461925



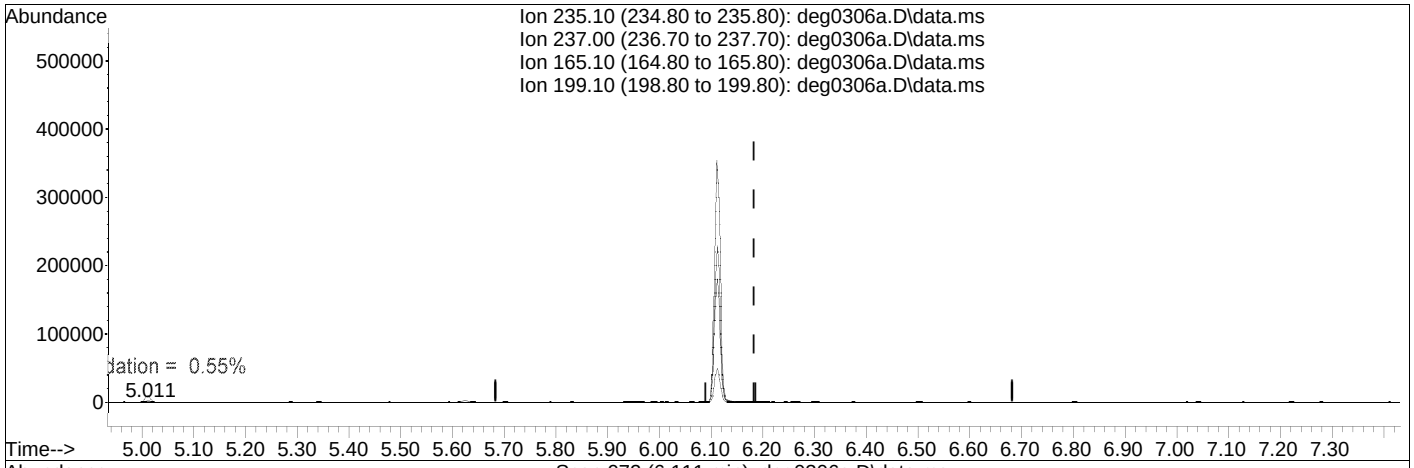
Manual Peak Response = 453576 M6

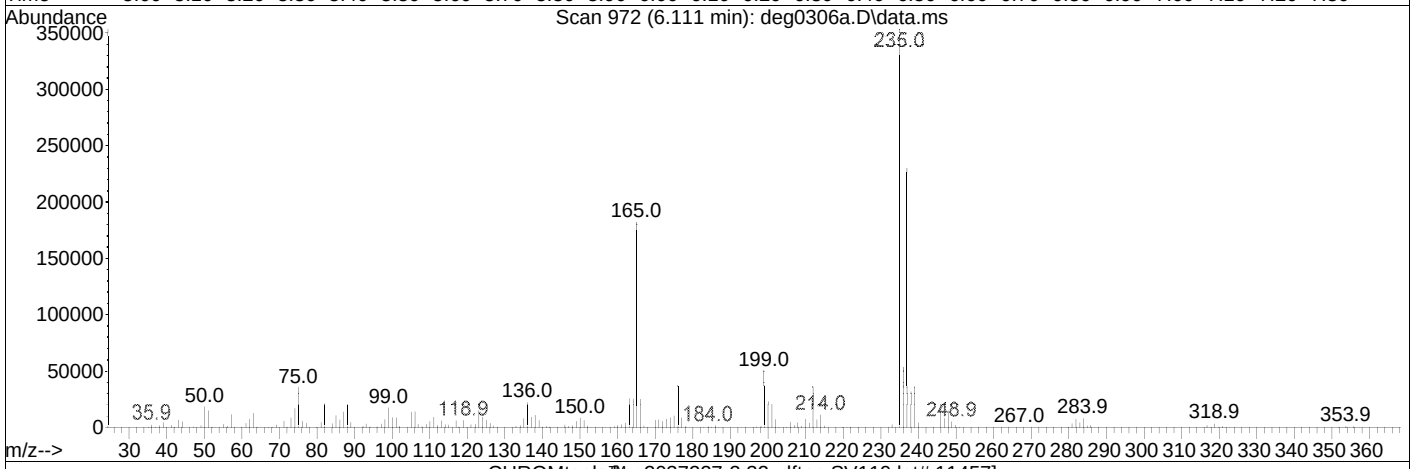
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : deg0306a.D
Acq On : 06 Mar 2025 06:23 am
Operator : sv119:kmh
Sample : wg2037227-2,32,,dftpp SV119 lot# 11457
Misc : wg2037227,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 06:38:10 2025
Quant Method : I:\8270SIM\sv119\250306RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2037227-2,32,,dftpp SV119 lot# 11457]

(6) ddt (T)

6.111min (-0.072) 43.91

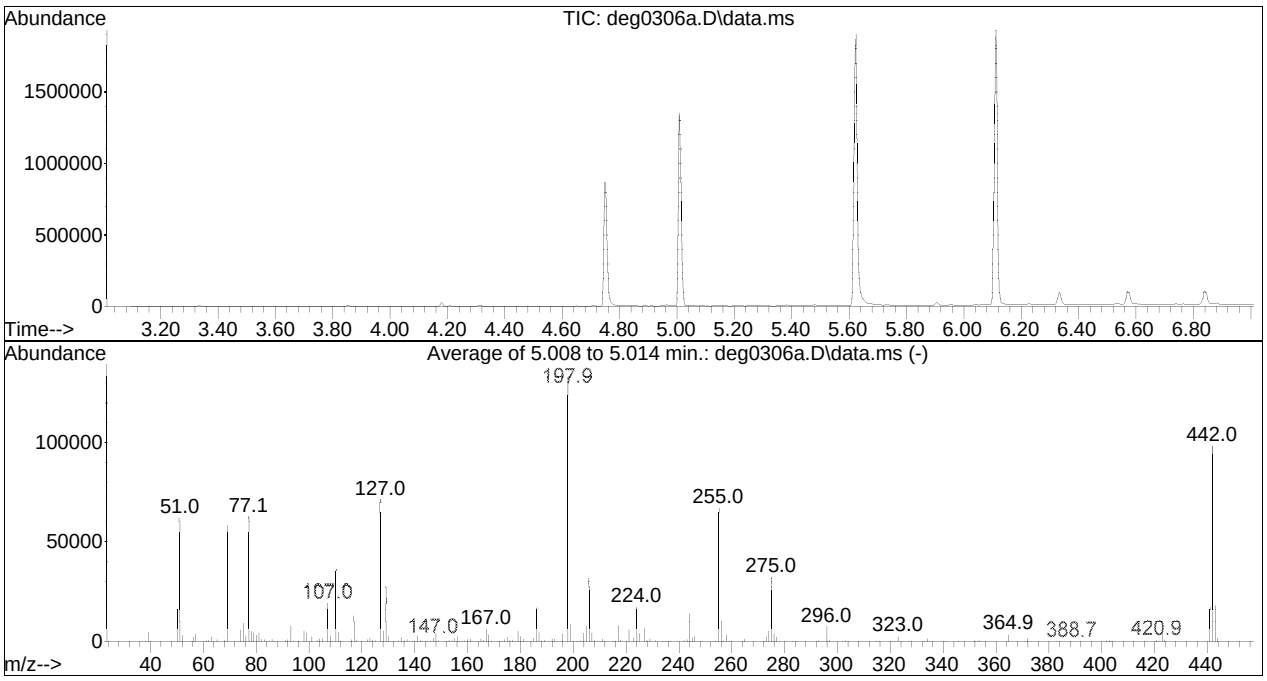
response 267661

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.32
165.10	53.30	50.95
199.10	17.10	14.10

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : deg0306a.D
Acq On : 06 Mar 2025 06:23 am
Operator : sv119:kmh
Sample : wg2037227-1,32,,dftpp SV119 lot# 11457
Misc : wg2037227,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250306RVT\SIM-RVT_241229_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Mar 06 06:55:32 2025



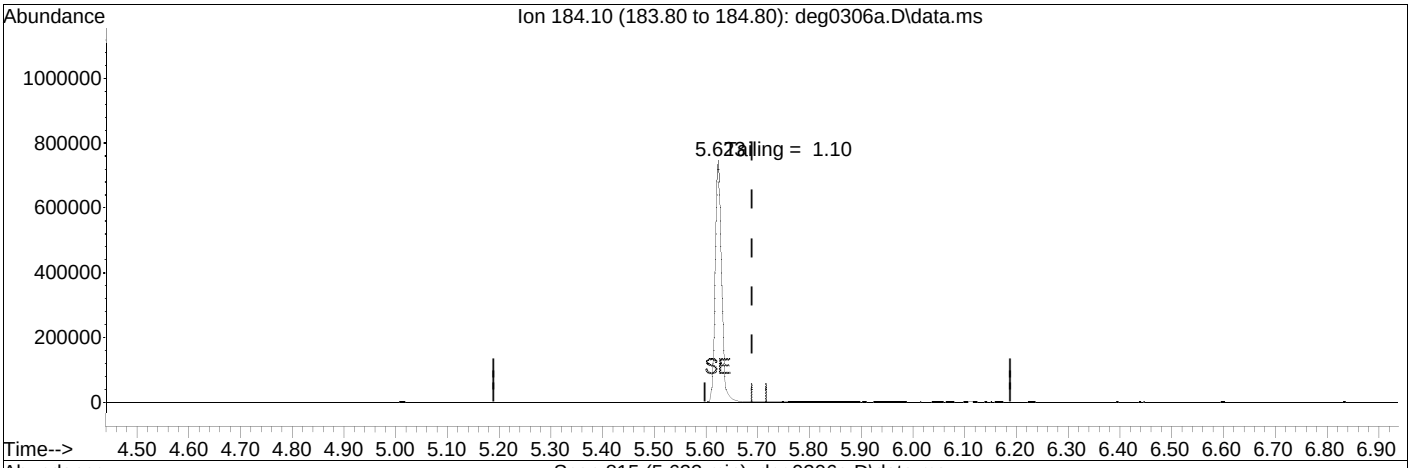
Spectrum Information: Average of 5.008 to 5.014 min.

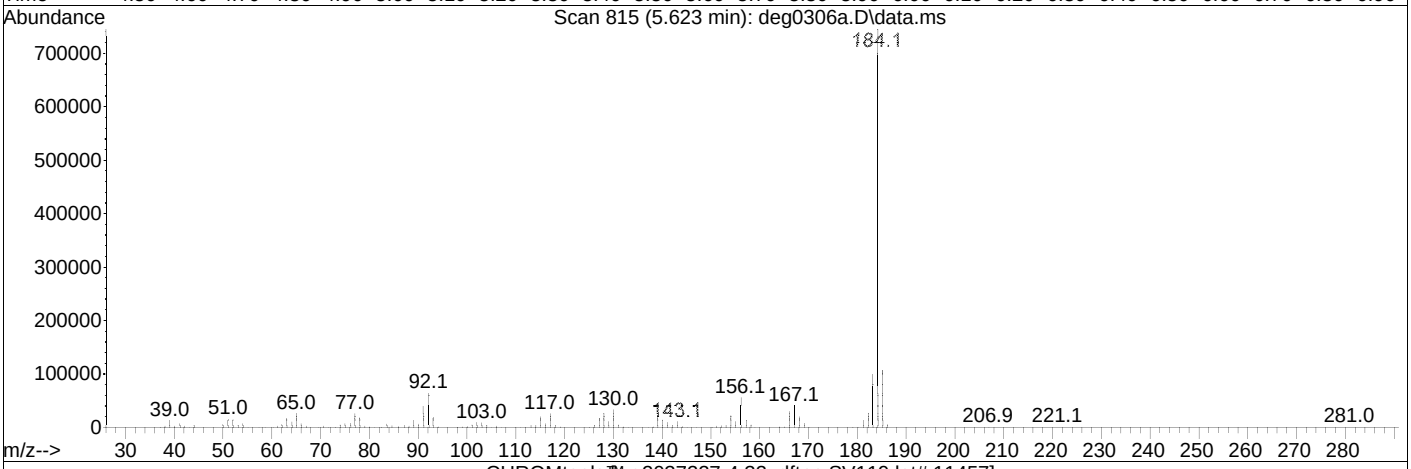
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	61896	PASS
68	69	0.00	2	1.9	1093	PASS
69	69	100	100	100.0	58069	PASS
70	69	0.00	2	0.5	280	PASS
127	198	10	80	53.6	71139	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	132680	PASS
199	198	5	9	6.4	8543	PASS
275	198	10	60	24.3	32176	PASS
365	198	1	100	2.6	3480	PASS
441	442	0.01	24	17.5	17158	PASS
442	198	50	100	74.0	98176	PASS
443	442	15	24	18.4	18019	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : deg0306a.D
Acq On : 06 Mar 2025 06:23 am
Operator : sv119:kmh
Sample : wg2037227-4,32,,dftpp SV119 lot# 11457
Misc : wg2037227,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 06:38:10 2025
Quant Method : I:\8270SIM\sv119\250306RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2037227-4,32,,dftpp SV119 lot# 11457]

(3) benzidine (T)

5.623min (-0.066) 60.42

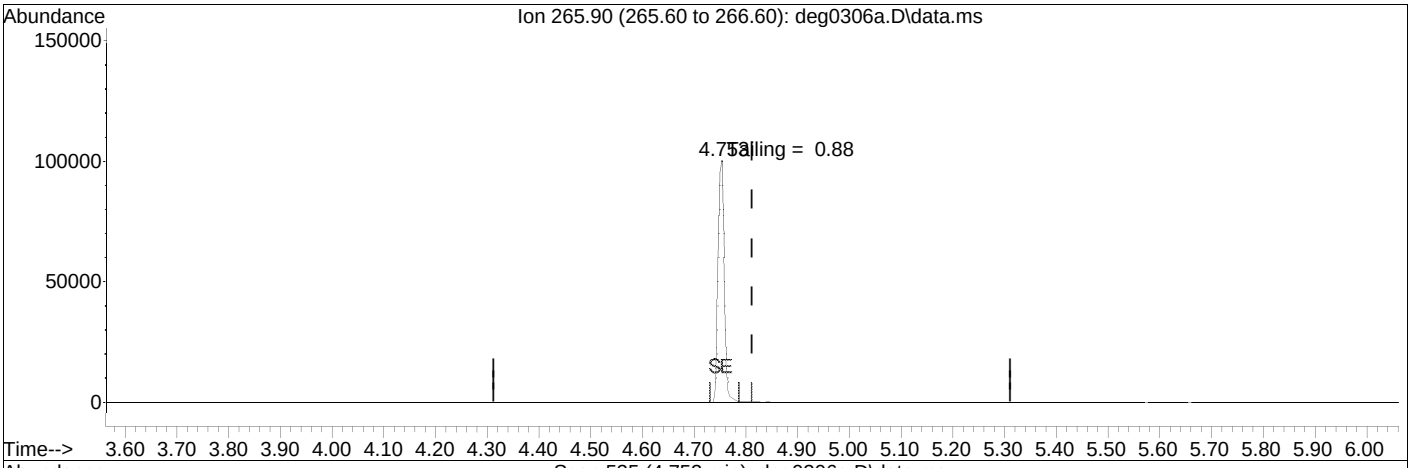
response 615095

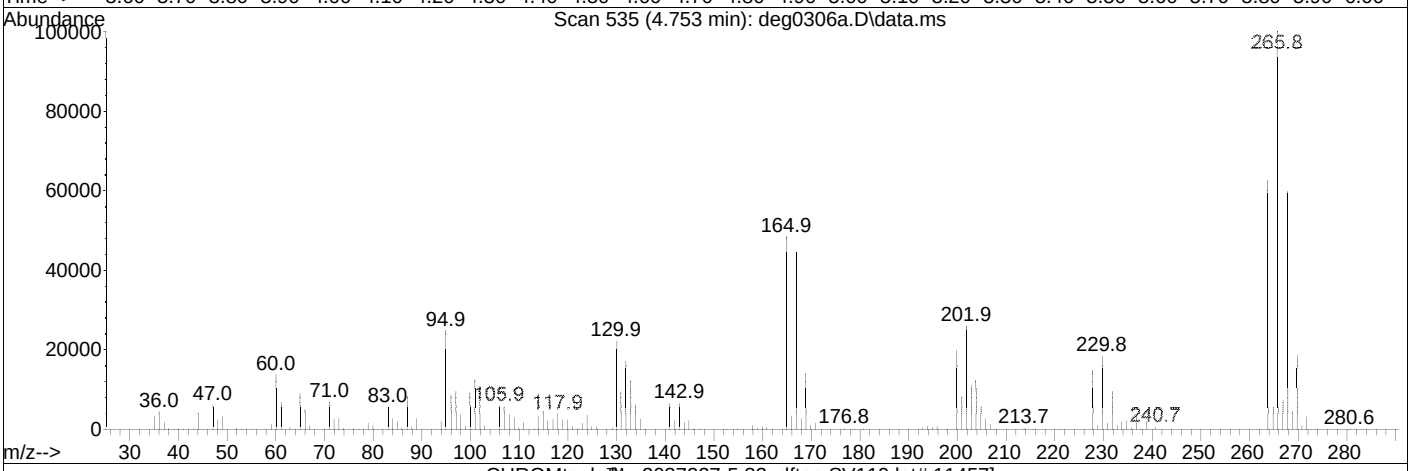
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250306RVT\
Data File : deg0306a.D
Acq On : 06 Mar 2025 06:23 am
Operator : sv119:kmh
Sample : wg2037227-5,32,,dftpp SV119 lot# 11457
Misc : wg2037227,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 06:38:10 2025
Quant Method : I:\8270SIM\sv119\250306RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2037227-5,32,,dftpp SV119 lot# 11457]

(1) pentachlorophenol (T)

4.753min (-0.059) 36.72

response 77118

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/06/25 06:40		
Lab File ID	: CCV0306	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037227-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	96	0
2-Fluorophenol	1.072	1.135	.05	-5.9	20	100	0
Phenol-d6	1.338	1.443	.05	-7.8	20	101	0
Bis(2-chloroethyl)ether	1.235	1.227	.05	0.6	20	101	0
n-nitrosodi-n-propylamine	0.827	0.881	.05	-6.5	20	101	0
Hexachloroethane	0.518	0.491	.05	5.2	20	94	0
Nitrobenzene-d5	1.297	1.289	.05	0.6	20	96	0
Naphthalene-d8	1	1	.05	0	20	103	0
Naphthalene	1.116	1	.05	10.4	20	98	0
Hexachlorobutadiene	0.196	0.155	.05	20.9*	20	85	0
2-Methylnaphthalene	0.78	0.641	.05	17.8	20	88	0
1-Methylnaphthalene	0.718	0.668	.05	7	20	100	0
2-Fluorobiphenyl	0.975	0.826	.05	15.3	20	92	0
2-Chloronaphthalene	0.805	0.709	.05	11.9	20	94	0
2,6-Dinitrotoluene	0.198	0.185	.05	6.6	20	93	0
Acenaphthylene	1.247	1.192	.05	4.4	20	102	0
Acenaphthene-d10	1	1	.05	0	20	96	0
Acenaphthene	1.334	1.257	.05	5.8	20	94	0
2,4-Dinitrotoluene	0.424	0.446	.05	-5.2	20	96	0
Fluorene	1.533	1.538	.05	-0.3	20	97	0
2,4,6-Tribromophenol	0.175	0.194	.05	-10.9	20	100	0
Phenanthrene-d10	1	1	.05	0	20	98	0
4,6-Dinitro-o-cresol	1000	861.37	.05	13.9	20	90	0
Hexachlorobenzene	0.236	0.206	.05	12.7	20	92	0
Pentachlorophenol	1000	851.468	.05	14.9	20	85	0
Phenanthrene	1.17	1.054	.05	9.9	20	92	0
Anthracene	1.173	1.12	.05	4.5	20	97	0
Fluoranthene	1.463	1.326	.05	9.4	20	93	0
Pyrene	1.51	1.37	.05	9.3	20	93	0
4-Terphenyl-d14	0.992	0.856	.05	13.7	20	87	0
Chrysene-d12	1	1	.05	0	20	97	0
Benzo[a]anthracene	1000	944.957	.05	5.5	20	92	0
3,3'-Dichlorobenzidine	1000	1176.82	.05	-17.7	20	128	0
Chrysene	1.377	1.242	.05	9.8	20	91	0
Bis(2-ethylhexyl)phthalate	0.714	0.879	.05	-23.1*	20	115	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.326	1.235	.05	6.9	20	94	0
Benzo[k]fluoranthene	1.307	1.246	.05	4.7	20	98	0
Benzo[a]pyrene	1.125	1.199	.05	-6.6	20	106	0
Indeno[1,2,3-cd]pyrene	1.089	1.237	.05	-13.6	20	111	0
Dibenzo[a,h]anthracene	1.01	1.141	.05	-13	20	107	0
Benzo[g,h,i]perylene	1.036	1.144	.05	-10.4	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV118	**Calibration Date**	: 03/06/25 07:17		
Lab File ID	: CCV0306A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2037249-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	64	0
2-Fluorophenol	1.223	1.088	.01	11	20	57	0
Phenol-d6	1.466	1.359	.01	7.3	20	59	0
Bis(2-chloroethyl)ether	1.301	1.16	.01	10.8	20	59	0
n-nitrosodi-n-propylamine	0.835	0.847	.01	-1.4	20	62	0
Hexachloroethane	0.544	0.505	.01	7.2	20	59	0
Nitrobenzene-d5	1.197	1.231	.01	-2.8	20	63	0
Naphthalene-d8	1	1	.01	0	20	68	0
Naphthalene	1.137	1.022	.01	10.1	20	63	0
Hexachlorobutadiene	0.204	0.187	.01	8.3	20	62	0
2-Methylnaphthalene	0.707	0.665	.01	5.9	20	64	0
1-Methylnaphthalene	0.719	0.683	.01	5	20	65	0
2-Fluorobiphenyl	0.876	0.841	.01	4	20	68	0
2-Chloronaphthalene	0.765	0.735	.01	3.9	20	65	0
2,6-Dinitrotoluene	0.17	0.184	.01	-8.2	20	67	0
Acenaphthylene	1.17	1.247	.01	-6.6	20	68	0
Acenaphthene-d10	1	1	.01	0	20	71	0
Acenaphthene	1.424	1.309	.01	8.1	20	66	0
2,4-Dinitrotoluene	0.411	0.442	.01	-7.5	20	69	0
Fluorene	1.566	1.517	.01	3.1	20	68	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	65	0
Phenanthrene-d10	1	1	.01	0	20	73	0
4,6-Dinitro-o-cresol	1000	817.341	.01	18.3	20	64	0
Hexachlorobenzene	0.265	0.252	.01	4.9	20	70	0
Pentachlorophenol	1000	994.783	.01	0.5	20	70	0
Phenanthrene	1.211	1.096	.01	9.5	20	67	0
Anthracene	1.202	1.177	.01	2.1	20	70	0
Fluoranthene	1.379	1.375	.01	0.3	20	72	0
Pyrene	1.427	1.398	.01	2	20	70	0
4-Terphenyl-d14	0.929	0.899	.01	3.2	20	72	0
Chrysene-d12	1	1	.01	0	20	74	0
Benzo[a]anthracene	0.423	0.375	.01	11.3	20	68	0
3,3'-Dichlorobenzidine	0.534	0.574	.01	-7.5	20	74	0
Chrysene	1.38	1.252	.01	9.3	20	67	0
Bis(2-ethylhexyl)phthalate	1000	914.51	.01	8.5	20	73	0
Perylene-d12	1	1	.01	0	20	74	0
Benzo[b]fluoranthene	1.316	1.296	.01	1.5	20	71	0
Benzo[k]fluoranthene	1.252	1.255	.01	-0.2	20	69	0
Benzo[a]pyrene	1.095	1.188	.01	-8.5	20	73	0
Indeno[1,2,3-cd]pyrene	0.971	1.117	.01	-15	20	78	0
Dibenzo[a,h]anthracene	0.937	1.076	.01	-14.8	20	75	0
Benzo[g,h,i]perylene	1.026	1.087	.01	-5.9	20	72	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/07/25 08:50		
Lab File ID	: CCV0307	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037750-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	95	0
2-Fluorophenol	1.072	1.151	.05	-7.4	20	101	0
Phenol-d6	1.338	1.408	.05	-5.2	20	98	0
Bis(2-chloroethyl)ether	1.235	1.194	.05	3.3	20	97	0
n-nitrosodi-n-propylamine	0.827	0.827	.05	0	20	94	0
Hexachloroethane	0.518	0.5	.05	3.5	20	95	0
Nitrobenzene-d5	1.297	1.237	.05	4.6	20	91	0
Naphthalene-d8	1	1	.05	0	20	96	0
Naphthalene	1.116	1.006	.05	9.9	20	92	0
Hexachlorobutadiene	0.196	0.161	.05	17.9	20	82	0
2-Methylnaphthalene	0.78	0.643	.05	17.6	20	82	0
1-Methylnaphthalene	0.718	0.656	.05	8.6	20	91	0
2-Fluorobiphenyl	0.975	0.804	.05	17.5	20	84	0
2-Chloronaphthalene	0.805	0.698	.05	13.3	20	86	0
2,6-Dinitrotoluene	0.198	0.183	.05	7.6	20	86	0
Acenaphthylene	1.247	1.183	.05	5.1	20	94	0
Acenaphthene-d10	1	1	.05	0	20	88	0
Acenaphthene	1.334	1.262	.05	5.4	20	86	0
2,4-Dinitrotoluene	0.424	0.445	.05	-5	20	88	0
Fluorene	1.533	1.508	.05	1.6	20	88	0
2,4,6-Tribromophenol	0.175	0.183	.05	-4.6	20	86	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	854.171	.05	14.6	20	80	0
Hexachlorobenzene	0.236	0.205	.05	13.1	20	81	0
Pentachlorophenol	1000	823.285	.05	17.7	20	73	0
Phenanthrene	1.17	1.084	.05	7.4	20	85	0
Anthracene	1.173	1.13	.05	3.7	20	87	0
Fluoranthene	1.463	1.365	.05	6.7	20	85	0
Pyrene	1.51	1.418	.05	6.1	20	86	0
4-Terphenyl-d14	0.992	0.849	.05	14.4	20	77	0
Chrysene-d12	1	1	.05	0	20	85	0
Benzo[a]anthracene	1000	963.78	.05	3.6	20	82	0
3,3'-Dichlorobenzidine	1000	1184.271	.05	-18.4	20	112	0
Chrysene	1.377	1.272	.05	7.6	20	81	0
Bis(2-ethylhexyl)phthalate	0.714	0.869	.05	-21.7*	20	99	0
Perylene-d12	1	1	.05	0	20	86	0
Benzo[b]fluoranthene	1.326	1.334	.05	-0.6	20	86	0
Benzo[k]fluoranthene	1.307	1.266	.05	3.1	20	84	0
Benzo[a]pyrene	1.125	1.226	.05	-9	20	92	0
Indeno[1,2,3-cd]pyrene	1.089	1.205	.05	-10.7	20	92	0
Dibenzo[a,h]anthracene	1.01	1.132	.05	-12.1	20	90	0
Benzo[g,h,i]perylene	1.036	1.147	.05	-10.7	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/10/25 06:36		
Lab File ID	: CCV0310	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2038430-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	85	0
2-Fluorophenol	1.072	1.099	.05	-2.5	20	87	0
Phenol-d6	1.338	1.395	.05	-4.3	20	87	0
Bis(2-chloroethyl)ether	1.235	1.192	.05	3.5	20	87	0
n-nitrosodi-n-propylamine	0.827	0.858	.05	-3.7	20	87	0
Hexachloroethane	0.518	0.484	.05	6.6	20	83	0
Nitrobenzene-d5	1.297	1.272	.05	1.9	20	84	0
Naphthalene-d8	1	1	.05	0	20	92	0
Naphthalene	1.116	0.968	.05	13.3	20	85	0
Hexachlorobutadiene	0.196	0.15	.05	23.5*	20	74	0
2-Methylnaphthalene	0.78	0.631	.05	19.1	20	77	0
1-Methylnaphthalene	0.718	0.647	.05	9.9	20	86	0
2-Fluorobiphenyl	0.975	0.797	.05	18.3	20	80	0
2-Chloronaphthalene	0.805	0.689	.05	14.4	20	82	0
2,6-Dinitrotoluene	0.198	0.182	.05	8.1	20	82	0
Acenaphthylene	1.247	1.18	.05	5.4	20	90	0
Acenaphthene-d10	1	1	.05	0	20	89	0
Acenaphthene	1.334	1.195	.05	10.4	20	82	0
2,4-Dinitrotoluene	0.424	0.424	.05	0	20	84	0
Fluorene	1.533	1.451	.05	5.3	20	85	0
2,4,6-Tribromophenol	0.175	0.17	.05	2.9	20	81	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	781.84	.05	21.8*	20	75	0
Hexachlorobenzene	0.236	0.192	.05	18.6	20	78	0
Pentachlorophenol	1000	631.539	.05	36.8*	20	57	0
Phenanthrene	1.17	1.013	.05	13.4	20	82	0
Anthracene	1.173	1.075	.05	8.4	20	85	0
Fluoranthene	1.463	1.275	.05	12.9	20	82	0
Pyrene	1.51	1.323	.05	12.4	20	83	0
4-Terphenyl-d14	0.992	0.793	.05	20.1*	20	74	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	898.716	.05	10.1	20	75	0
3,3'-Dichlorobenzidine	1000	1080.307	.05	-8	20	99	0
Chrysene	1.377	1.176	.05	14.6	20	73	0
Bis(2-ethylhexyl)phthalate	0.714	0.802	.05	-12.3	20	89	0
Perylene-d12	1	1	.05	0	20	77	0
Benzo[b]fluoranthene	1.326	1.221	.05	7.9	20	71	0
Benzo[k]fluoranthene	1.307	1.232	.05	5.7	20	73	0
Benzo[a]pyrene	1.125	1.135	.05	-0.9	20	76	0
Indeno[1,2,3-cd]pyrene	1.089	0.957	.05	12.1	20	65	0
Dibenzo[a,h]anthracene	1.01	0.977	.05	3.3	20	69	0
Benzo[g,h,i]perylene	1.036	0.955	.05	7.8	20	69	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : ccv0306a.D
Acq On : 06 Mar 2025 07:17 am
Operator : SV118:jjw
Sample : WG2037249-3,32,,ICV 11275 (0222)
Misc : WG2037249,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 07:31:50 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:46 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	64	0.00
2	T	N-Nitrosodimethylamine	0.000	0.000#	0.0	0#	-1.28#
3	s	2-Fluorophenol	1.223	1.088	11.0	57	0.00
4	s	Phenol-d6	1.466	1.359	7.3	59	0.00
5	T	Bis(2-chloroethyl)ether	1.301	1.160	10.8	59	0.00
6	T	n-nitrosodi-n-propylamine	0.835	0.847	-1.4	62	0.00
7	t	Hexachloroethane	0.544	0.505	7.2	59	0.00
8	s	Nitrobenzene-d5	1.197	1.231	-2.8	63	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	68	0.00
10	t	Naphthalene	1.137	1.022	10.1	63	0.00
11	t	Hexachlorobutadiene	0.204	0.187	8.3	62	0.00
12	t	2-Methylnaphthalene	0.707	0.665	5.9	64	0.00
13	t	1-Methylnaphthalene	0.719	0.683	5.0	65	0.00
14	s	2-Fluorobiphenyl	0.876	0.841	4.0	68	0.00
15	t	2-Chloronaphthalene	0.765	0.735	3.9	65	0.00
16	t	2,6-Dinitrotoluene	0.170	0.184	-8.2	67	0.00
17	t	Acenaphthylene	1.170	1.247	-6.6	68	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	71	0.00
19	t	Acenaphthene	1.424	1.309	8.1	66	0.00
20	t	2,4-Dinitrotoluene	0.411	0.442	-7.5	69	0.00
21	t	Fluorene	1.566	1.517	3.1	68	0.00
22	s	2,4,6-Tribromophenol	0.185	0.198	-7.0	65	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	817.341	18.3	64	0.00
25	t	Hexachlorobenzene	0.265	0.252	4.9	70	0.00
26	t	Pentachlorophenol	*1000.000	994.783	0.5	70	0.00
27	t	Phenanthrene	1.211	1.096	9.5	67	0.00
28	t	Anthracene	1.202	1.177	2.1	70	0.00
29	t	Fluoranthene	1.379	1.375	0.3	72	0.00
30	t	Pyrene	1.427	1.398	2.0	70	0.00
31	T	Benzidine	0.000	0.892	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.929	0.899	3.2	72	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	74	0.00
34	t	Benzo[a]anthracene	0.423	0.375	11.3	68	0.00
35	t	3,3'-Dichlorobenzidine	0.534	0.574	-7.5	74	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : ccv0306a.D
Acq On : 06 Mar 2025 07:17 am
Operator : SV118:jjw
Sample : WG2037249-3,32,,ICV 11275 (0222)
Misc : WG2037249,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 07:31:50 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:46 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.380	1.252	9.3	67	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	914.510	8.5	73	0.00
38	i	Perylene-d12	1.000	1.000	0.0	74	0.00
39	t	Benzo[b]fluoranthene	1.316	1.296	1.5	71	0.00
40	t	Benzo[k]fluoranthene	1.252	1.255	-0.2	69	0.00
41	t	Benzo[a]pyrene	1.095	1.188	-8.5	73	0.00
42	t	Indeno[1,2,3-cd]pyrene	0.971	1.117	-15.0	78	0.00
43	t	Dibenzo[a,h]anthracene	0.937	1.076	-14.8	75	0.00
44	t	Benzo[g,h,i]perylene	1.026	1.087	-5.9	72	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : ccv0306a.D
Acq On : 06 Mar 2025 07:17 am
Operator : SV118:jjw
Sample : WG2037249-3,32,,ICV 11275 (0222)
Misc : WG2037249,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 07:31:50 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:46 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	304898	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.995	136	1185674	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.982	164	695826	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.818	188	1439780	4000.000	ng/ml	0.00
33) Chrysene-d12	6.352	240	1382767	4000.000	ng/ml	0.00
38) Perylene-d12	7.580	264	1363554	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.703	112	82952	889.722	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.49%			
4) Phenol-d6	2.117	99	103607	927.443	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.37%			
8) Nitrobenzene-d5	2.602	82	93862	1028.937	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.89%			
14) 2-Fluorobiphenyl	3.598	172	249310	960.248	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.02%			
22) 2,4,6-Tribromophenol	4.424	330	34373	1067.886	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.39%			
32) 4-Terphenyl-d14	5.715	244	323483	967.157	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.72%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	2.173	93	88431	891.523	ng/ml	97
6) n-nitrosodi-n-propylamine	2.520	70	64578	1015.193	ng/ml	98
7) Hexachloroethane	2.579	117	38500	927.914	ng/ml	95
10) Naphthalene	3.005	128	302890	899.020	ng/ml	100
11) Hexachlorobutadiene	3.079	225	55438	918.929	ng/ml	100
12) 2-Methylnaphthalene	3.390	142	197051	939.956	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	202462	950.242	ng/ml	100
15) 2-Chloronaphthalene	3.663	162	217861	960.503	ng/ml	99
16) 2,6-Dinitrotoluene	3.860	165	54560	1079.620	ng/ml	97
17) Acenaphthylene	3.898	152	369662	1065.840	ng/ml	100
19) Acenaphthene	3.998	153	227649	919.025	ng/ml	96
20) 2,4-Dinitrotoluene	4.088	165	76938	1075.771	ng/ml	96
21) Fluorene	4.288	166	263863	968.853	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.318	198	37005	817.341	ng/ml	99
25) Hexachlorobenzene	4.604	284	90839	952.620	ng/ml	95
26) Pentachlorophenol	4.714	266	48708	994.783	ng/ml	100
27) Phenanthrene	4.828	178	394581	905.179	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : ccv0306a.D
Acq On : 06 Mar 2025 07:17 am
Operator : SV118:jjw
Sample : WG2037249-3,32,,ICV 11275 (0222)
Misc : WG2037249,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 07:31:50 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:46 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.858	178	423780	979.458	ng/ml	100
29) Fluoranthene	5.497	202	494887	996.815	ng/ml	99
30) Pyrene	5.626	202	503186	979.364	ng/ml	99
31) Benzidine	5.573	184	320903	No Calib	#	
34) Benzo[a]anthracene	6.340	226	129566	886.788	ng/ml#	99
35) 3,3'-Dichlorobenzidine	6.323	252	198581	1075.086	ng/ml	100
36) Chrysene	6.366	228	432772	907.154	ng/ml#	100
37) Bis(2-ethylhexyl)phtha...	6.359	149	299002	914.510	ng/ml	100
39) Benzo[b]fluoranthene	7.198	252	441806	984.712	ng/ml	100
40) Benzo[k]fluoranthene	7.221	252	427876	1002.294	ng/ml	100
41) Benzo[a]pyrene	7.514	252	404898	1084.525	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.825	276	380849	1150.805	ng/ml	100
43) Dibenzo[a,h]anthracene	8.860	278	366629M6	1147.526	ng/ml	
44) Benzo[g,h,i]perylene	9.173	276	370543	1059.626	ng/ml	100

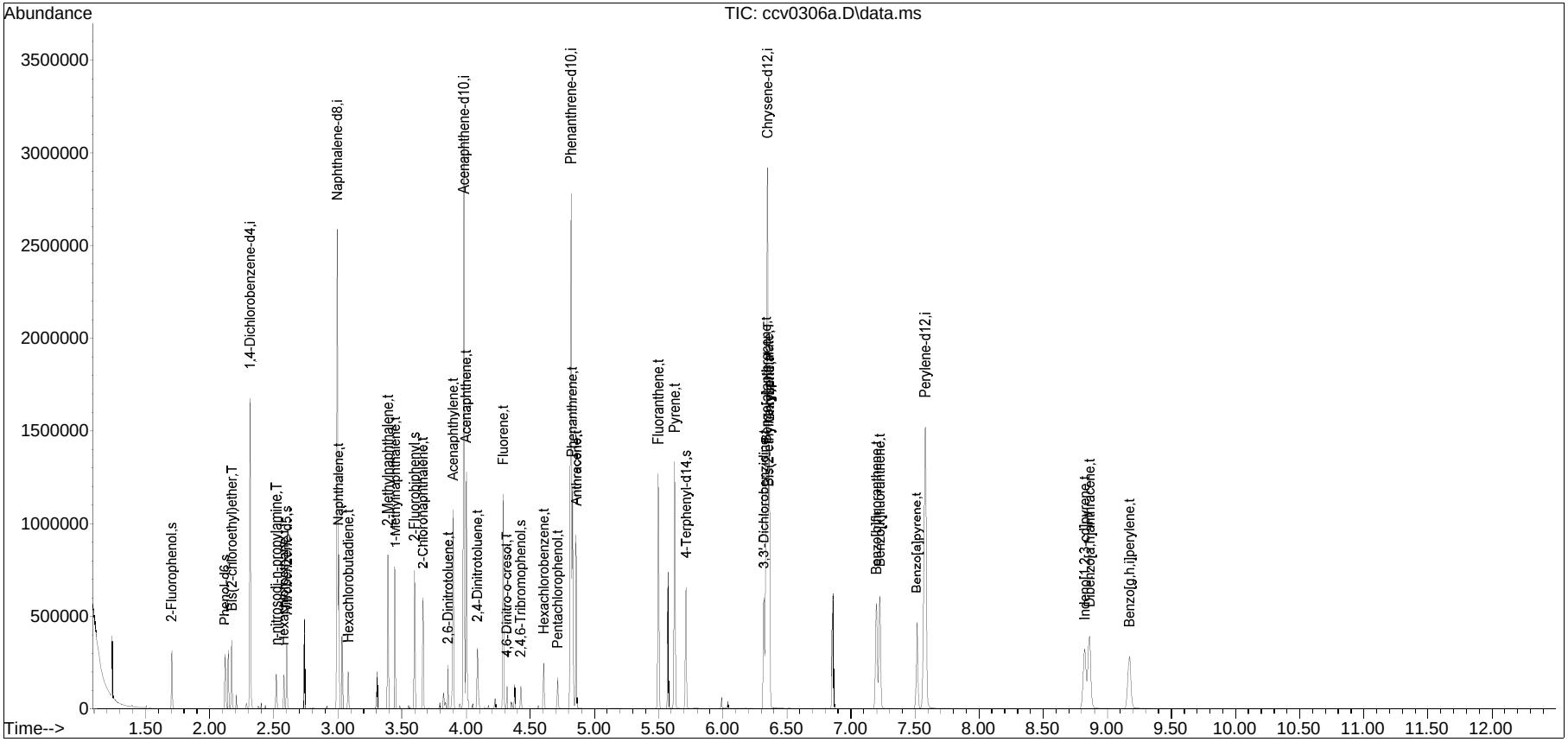
(#) = qualifier out of range (m) = manual integration (+) = signals summed

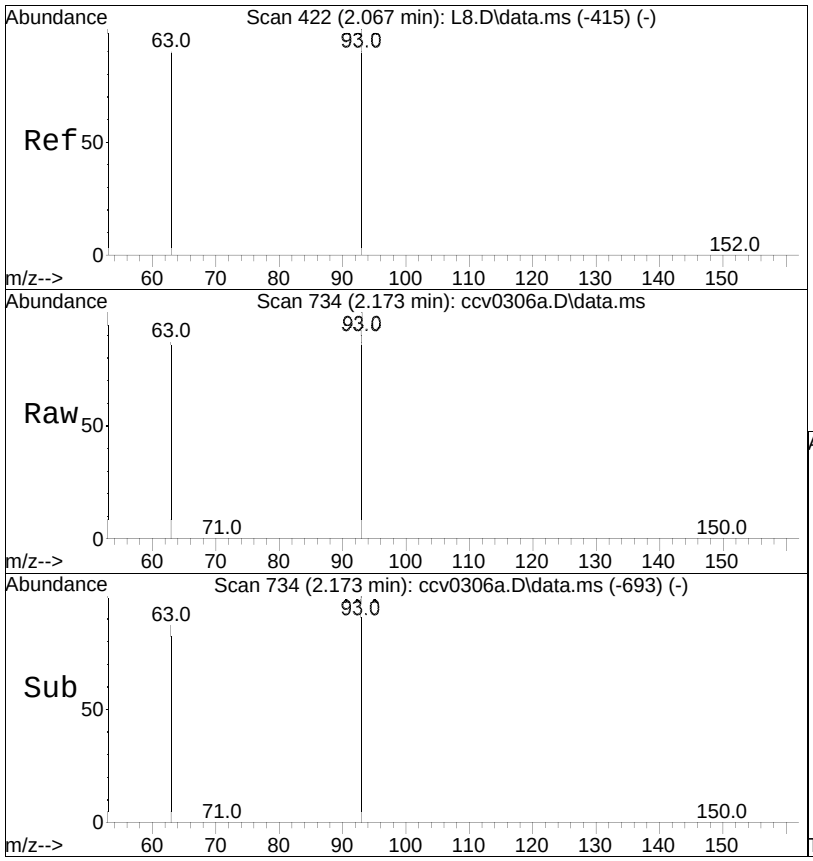
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : ccv0306a.D
Acq On : 06 Mar 2025 07:17 am
Operator : SV118:jjw
Sample : WG2037249-3,32,,ICV 11275 (0222)
Misc : WG2037249,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 06 07:31:50 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:46 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

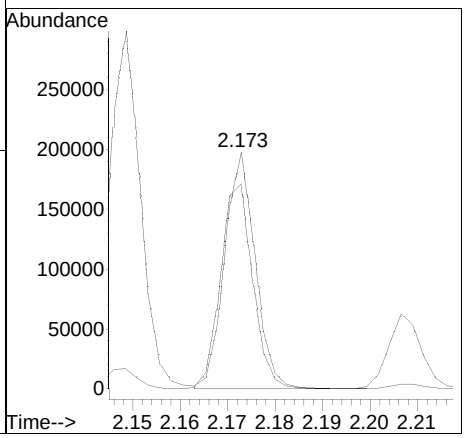


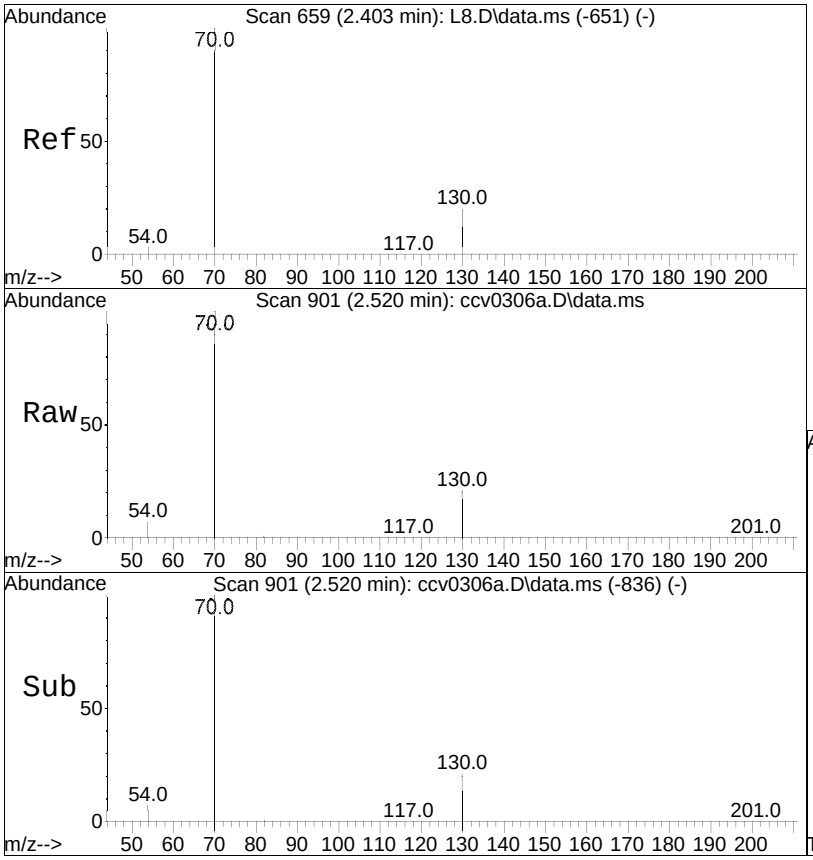


#5
Bis(2-chloroethyl)ether
Concen: 891.52 ng/ml
RT: 2.173 min Scan# 734
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion: 93 Resp: 88431

Ion	Ratio	Lower	Upper
93	100		
63	90.9	70.2	105.4

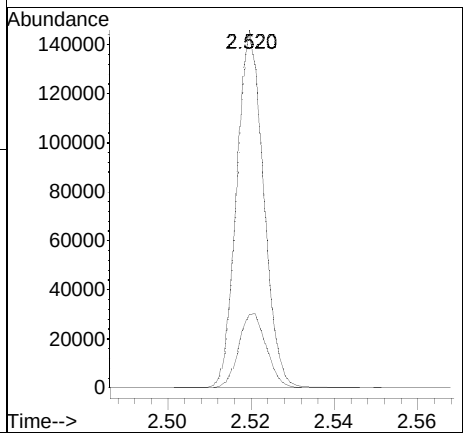


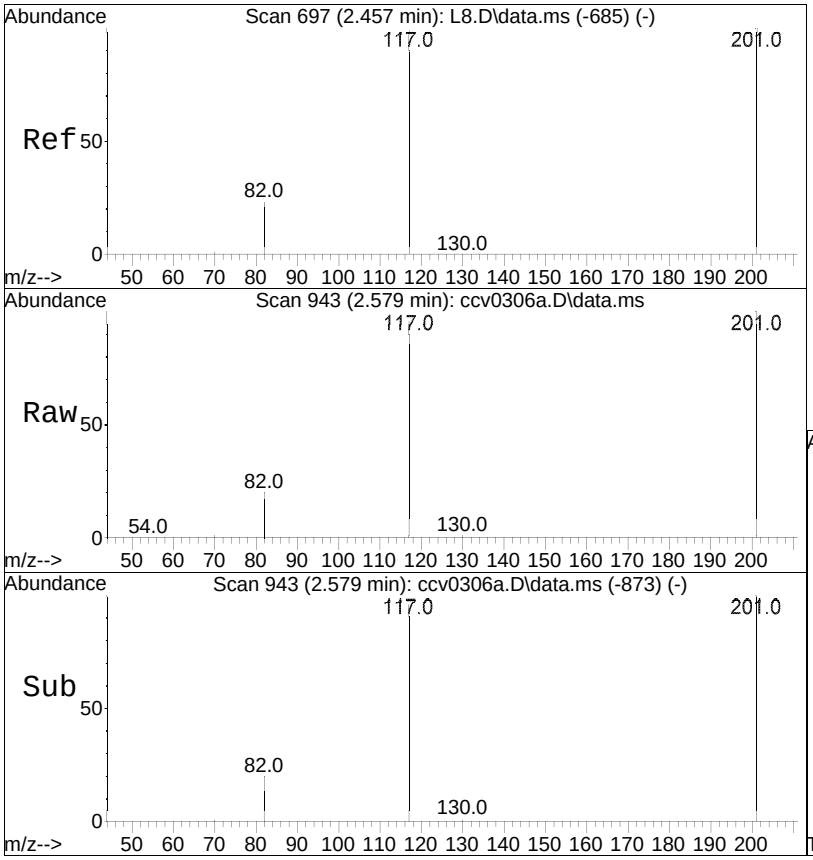


#6
n-nitrosodi-n-propylamine
Concen: 1015.19 ng/ml
RT: 2.520 min Scan# 901
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion: 70 Resp: 64578

Ion	Ratio	Lower	Upper
70	100		
130	21.3	16.2	24.4

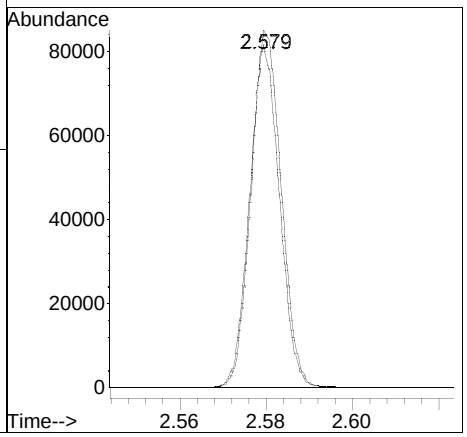


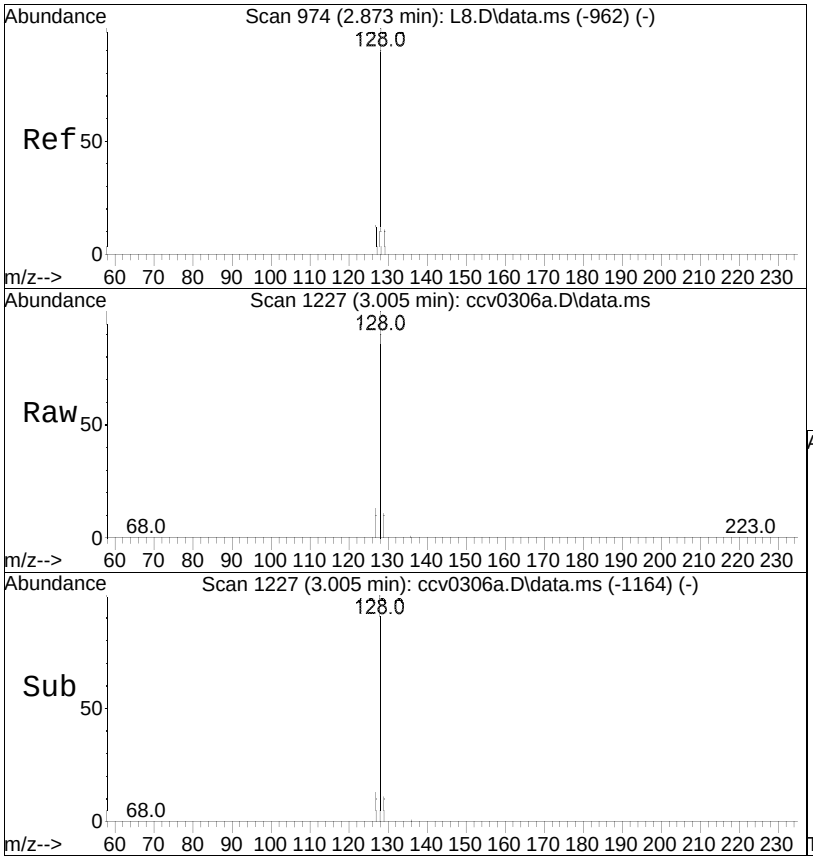


#7
Hexachloroethane
Concen: 927.91 ng/ml
RT: 2.579 min Scan# 943
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:117 Resp: 38500

Ion	Ratio	Lower	Upper
117	100		
201	105.8	80.5	120.7

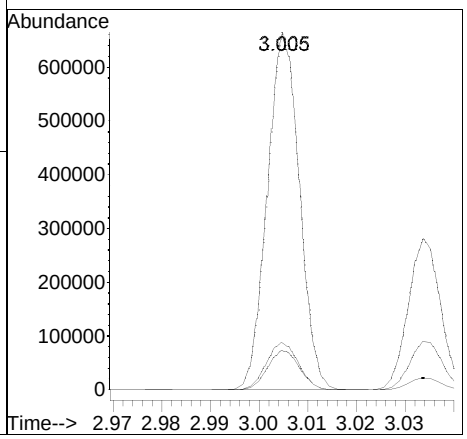


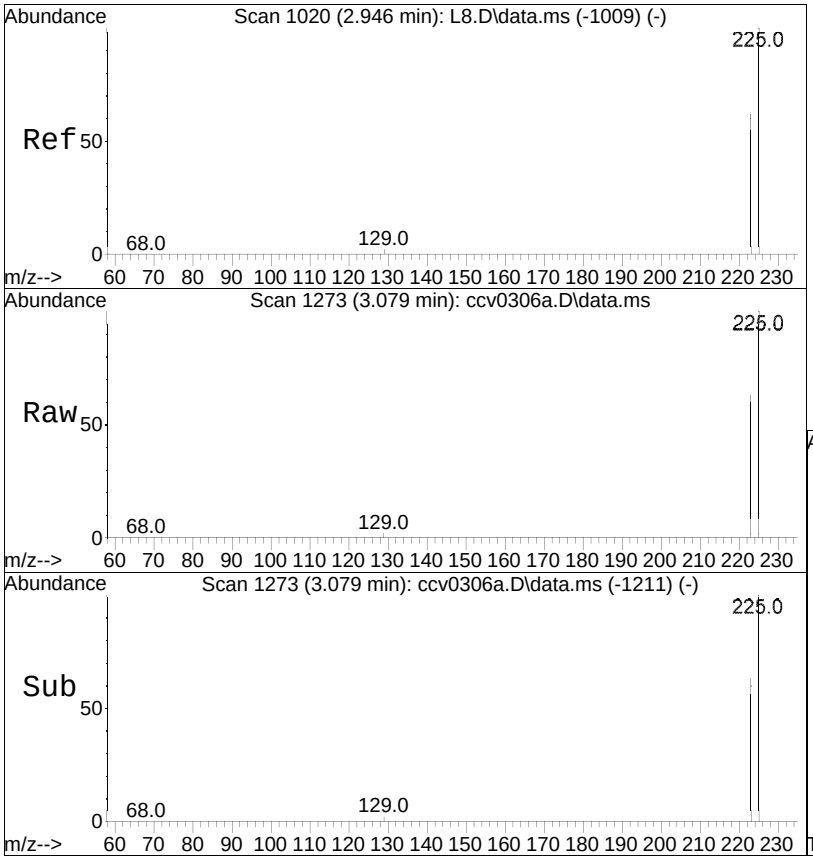


#10
Naphthalene
Concen: 899.02 ng/ml
RT: 3.005 min Scan# 1227
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:128 Resp: 302890

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	15.8

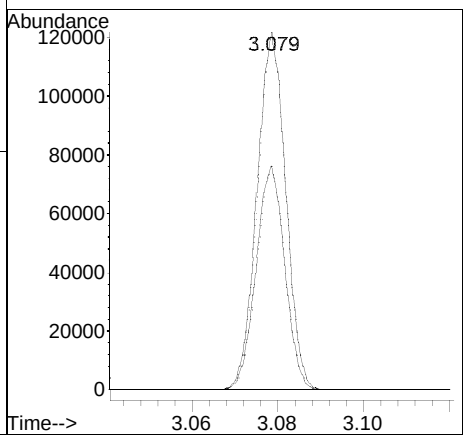


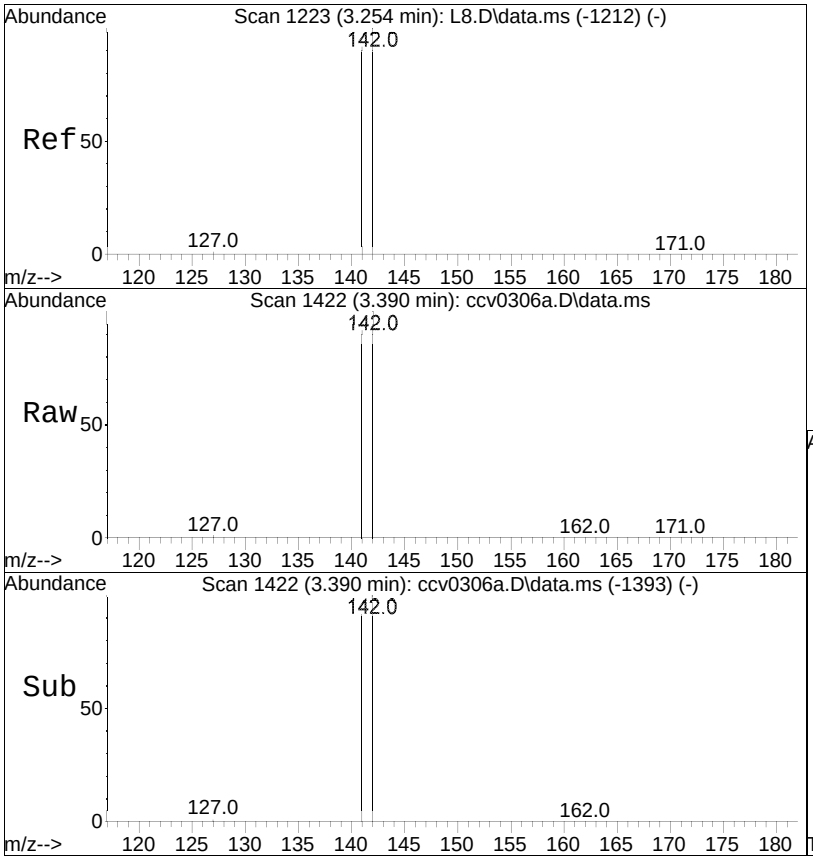


#11
Hexachlorobutadiene
Concen: 918.93 ng/ml
RT: 3.079 min Scan# 1273
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:225 Resp: 55438

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

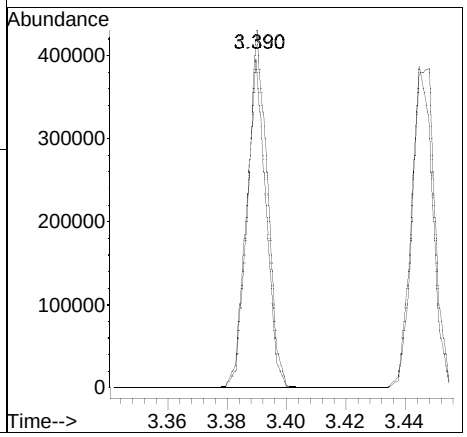


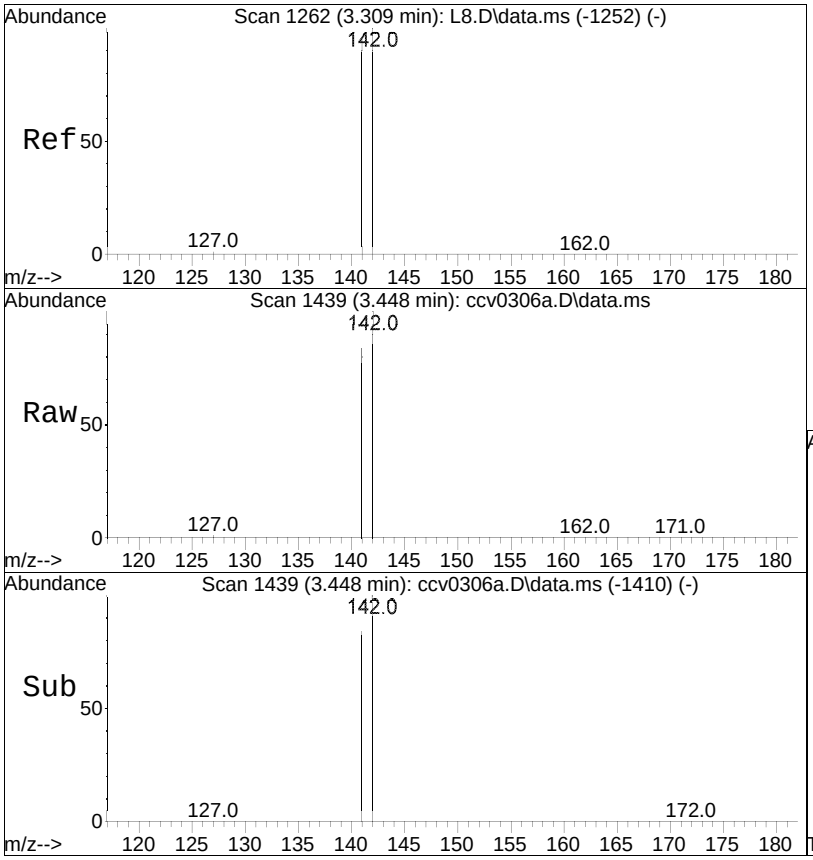


#12
2-Methylnaphthalene
Concen: 939.96 ng/ml
RT: 3.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:142 Resp: 197051

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2

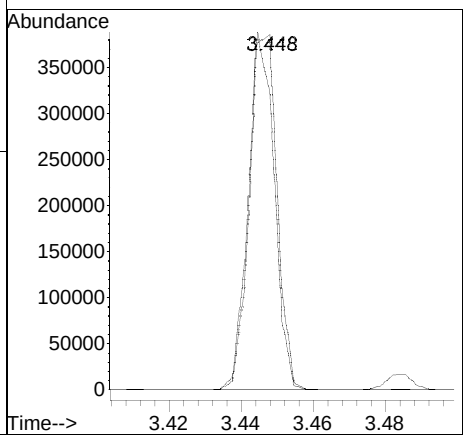


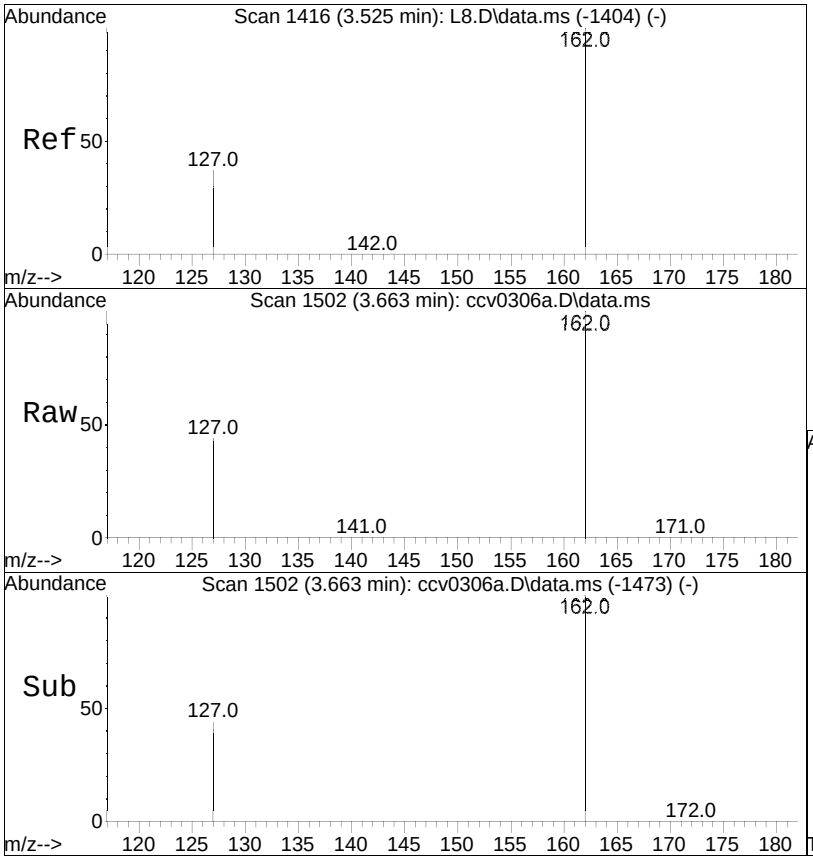


#13
1-Methylnaphthalene
Concen: 950.24 ng/ml
RT: 3.448 min Scan# 1439
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:142 Resp: 202462

Ion	Ratio	Lower	Upper
142	100		
141	94.7	76.0	114.0

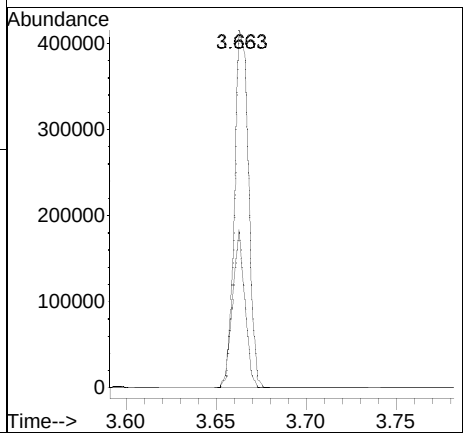


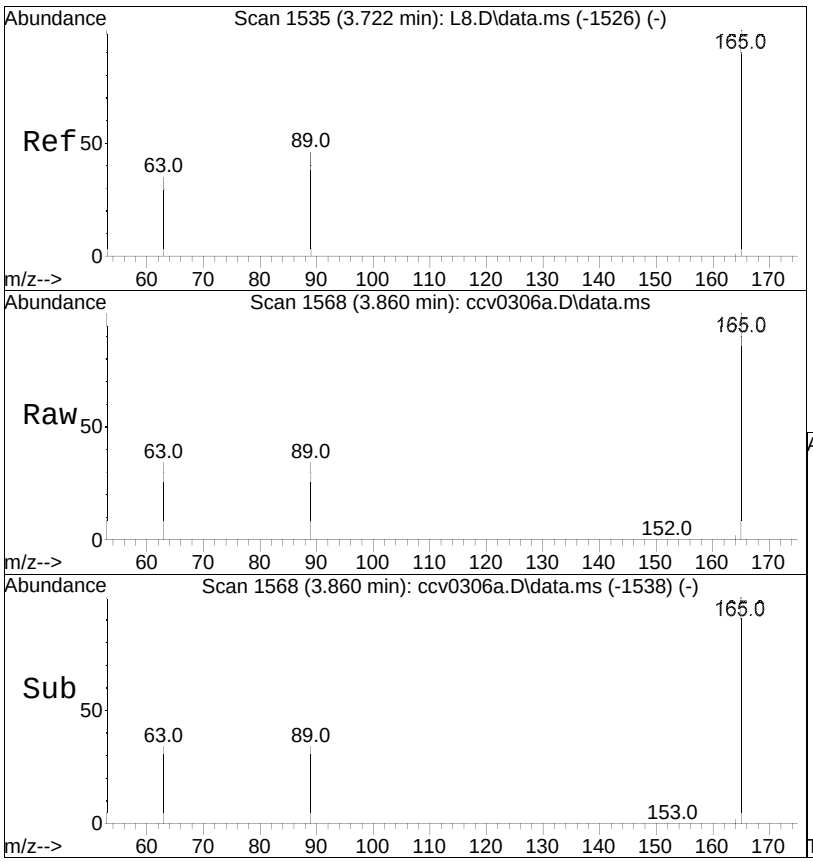


#15
2-Chloronaphthalene
Concen: 960.50 ng/ml
RT: 3.663 min Scan# 1502
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:162 Resp: 217861

Ion	Ratio	Lower	Upper
162	100		
127	39.1	31.0	46.6

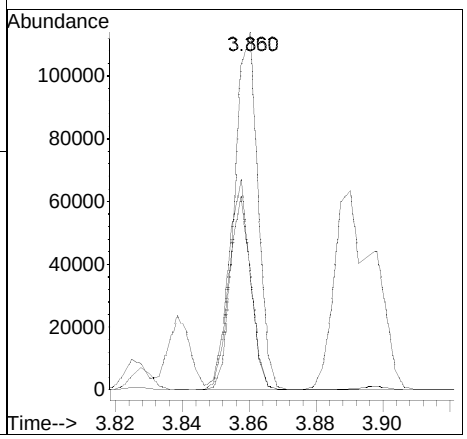


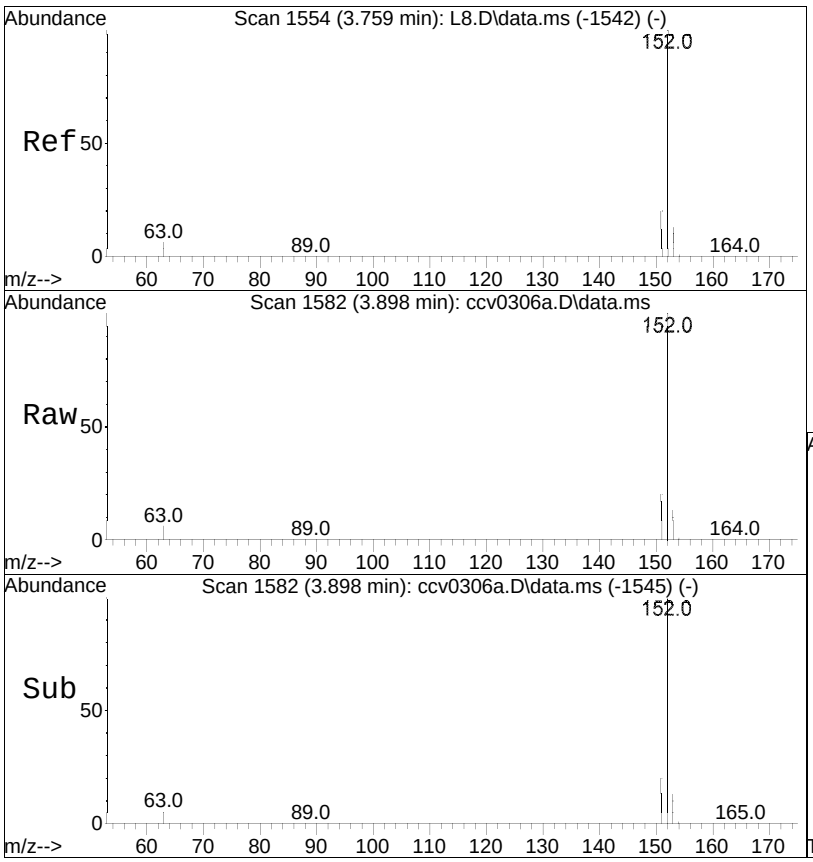


#16
2,6-Dinitrotoluene
Concen: 1079.62 ng/ml
RT: 3.860 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:165 Resp: 54560

Ion	Ratio	Lower	Upper
165	100		
89	51.8	43.2	64.8
63	56.2	46.4	69.6

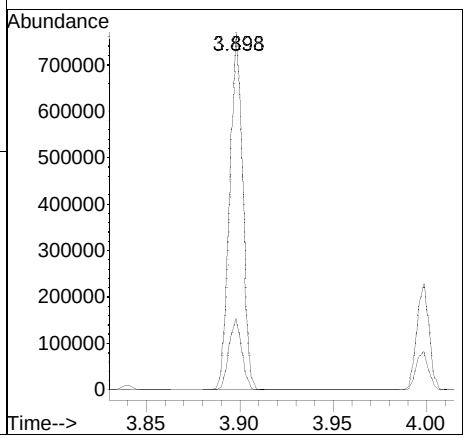


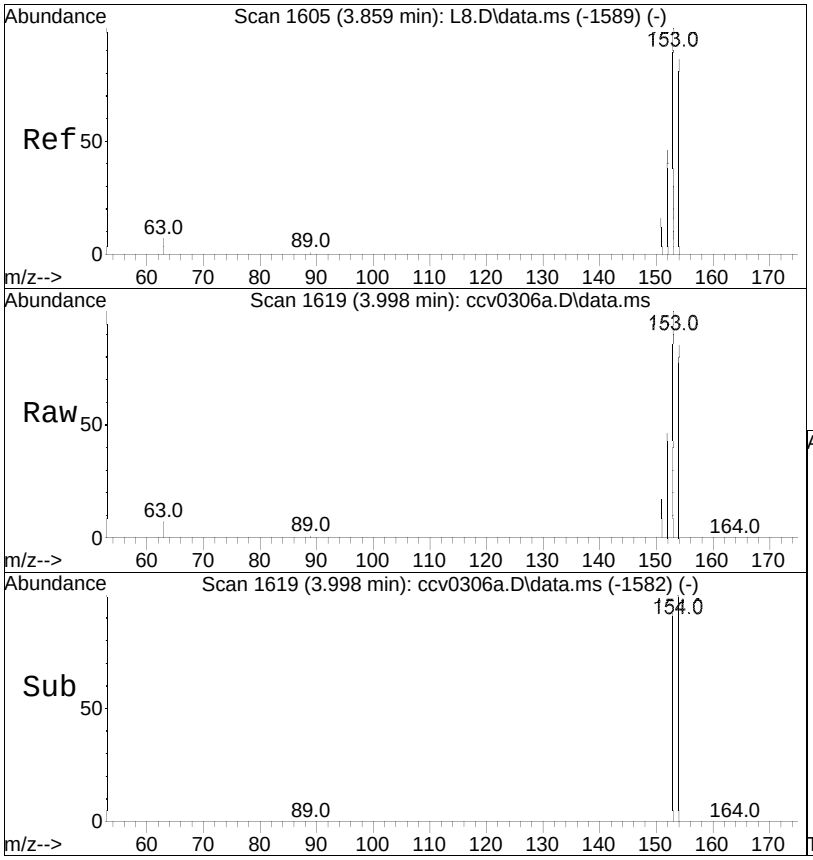


#17
Acenaphthylene
Concen: 1065.84 ng/ml
RT: 3.898 min Scan# 1582
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:152 Resp: 369662

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

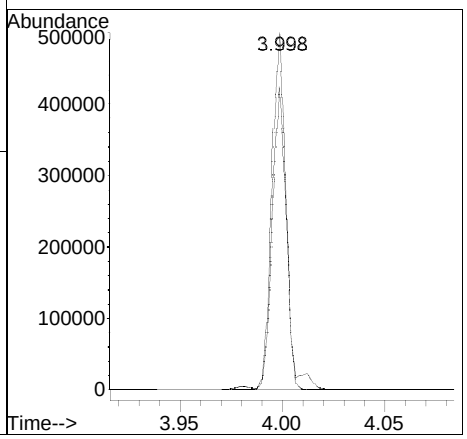


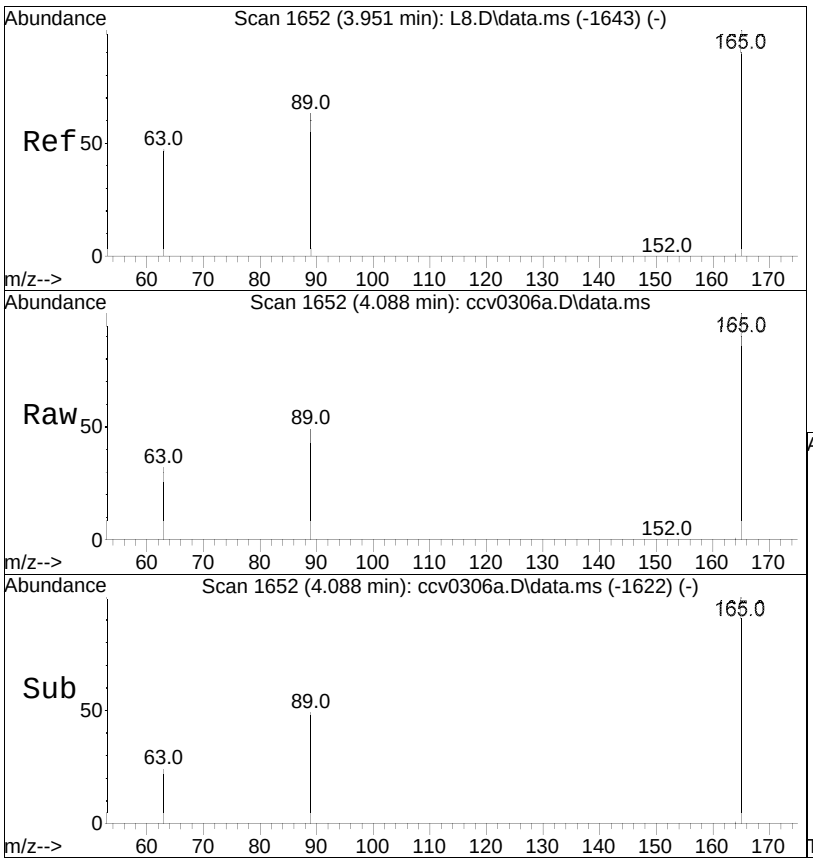


#19
Acenaphthene
Concen: 919.03 ng/ml
RT: 3.998 min Scan# 1619
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:153 Resp: 227649

Ion	Ratio	Lower	Upper
153	100		
154	88.8	67.9	101.9

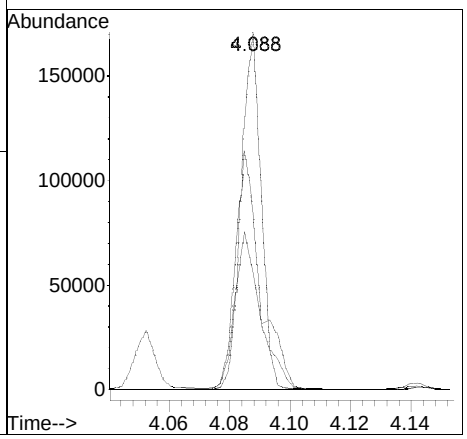


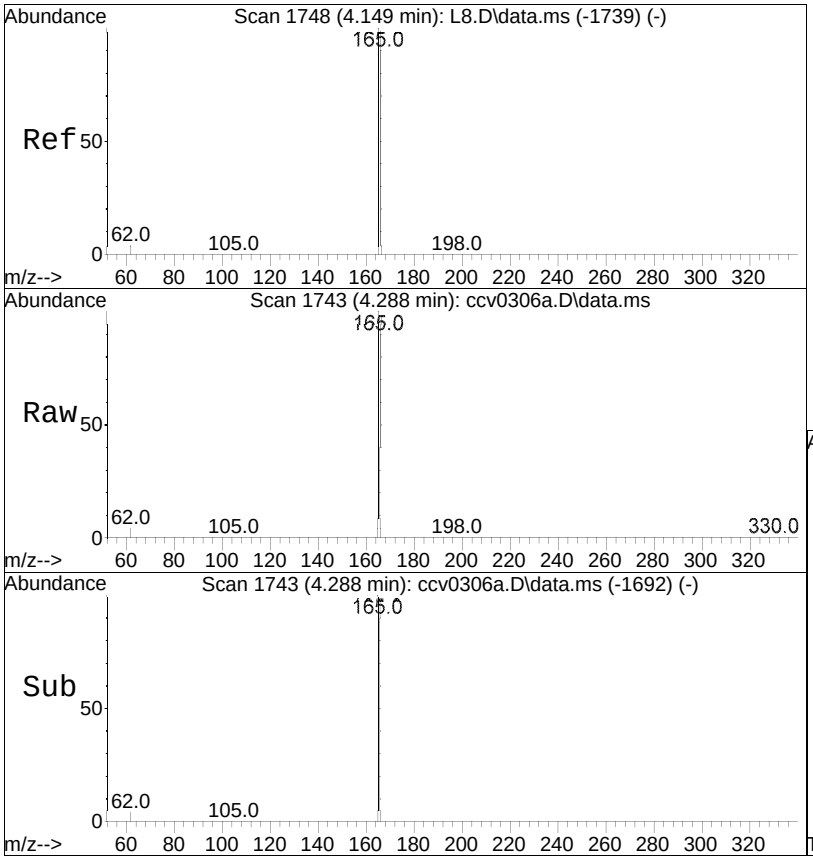


#20
2,4-Dinitrotoluene
Concen: 1075.77 ng/ml
RT: 4.088 min Scan# 1652
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:165 Resp: 76938

Ion	Ratio	Lower	Upper
165	100		
89	76.9	63.9	95.9
63	63.2	53.0	79.6

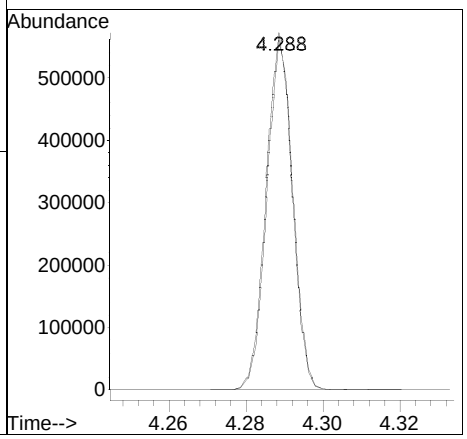


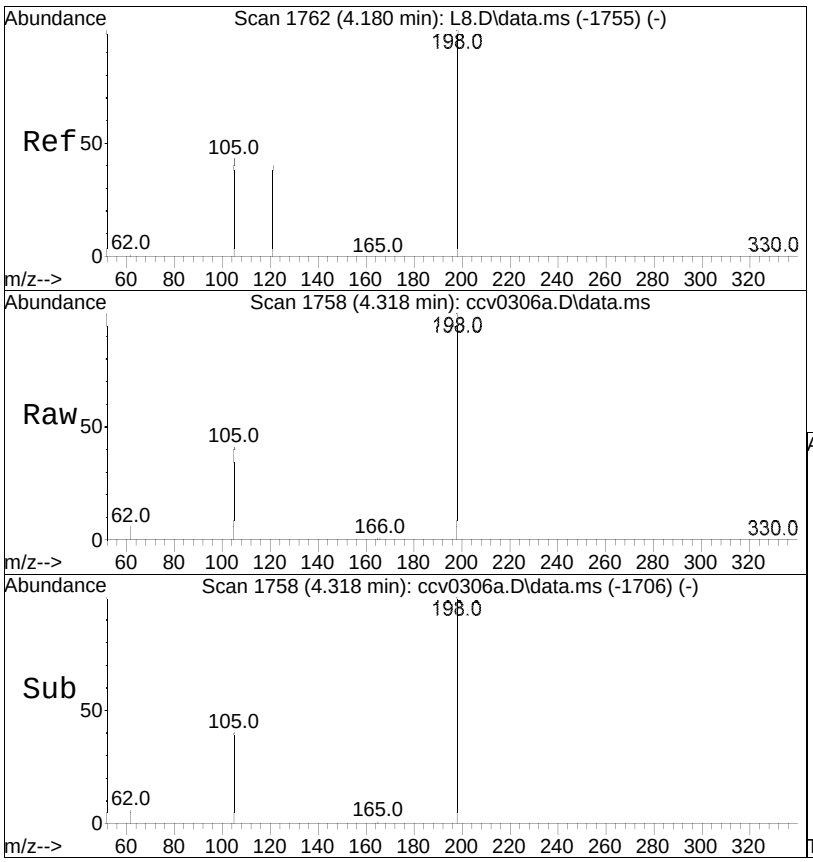


#21
Fluorene
Concen: 968.85 ng/ml
RT: 4.288 min Scan# 1743
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:166 Resp: 263863

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.3	121.9

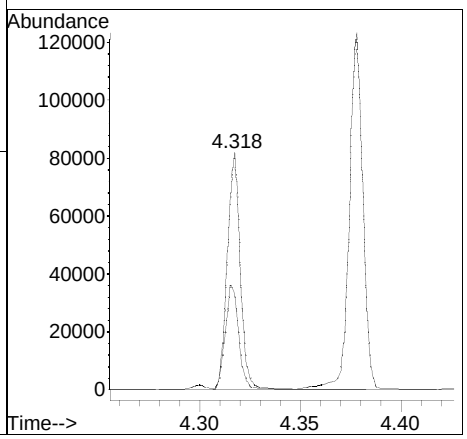


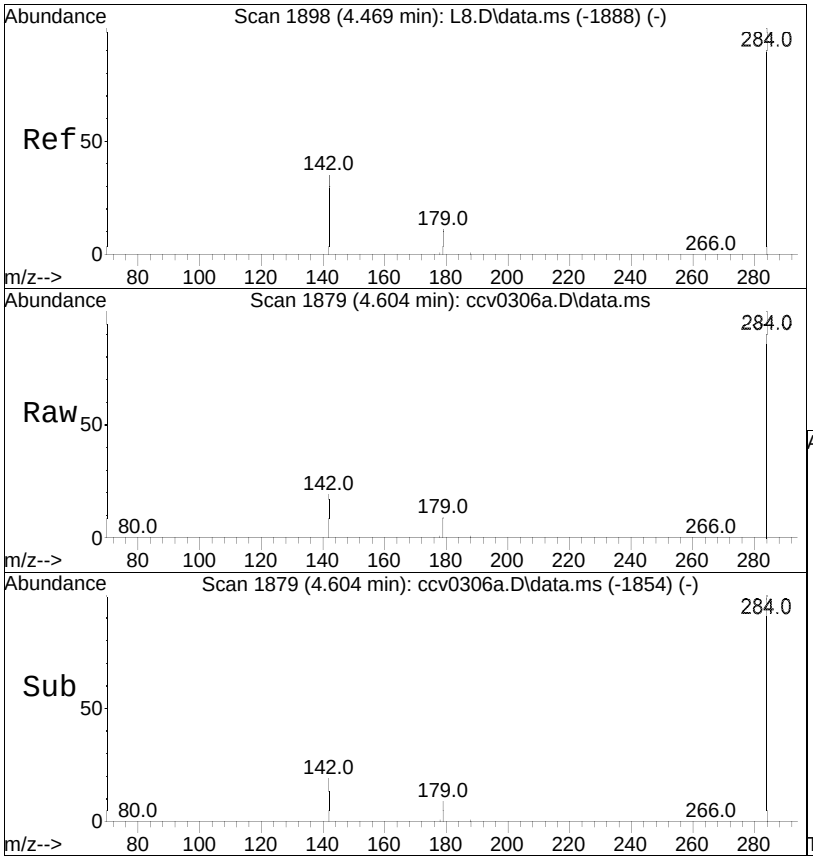


#24
4,6-Dinitro-o-cresol
Concen: 817.34 ng/ml
RT: 4.318 min Scan# 1758
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:198 Resp: 37005

Ion	Ratio	Lower	Upper
198	100		
105	44.9	35.5	53.3

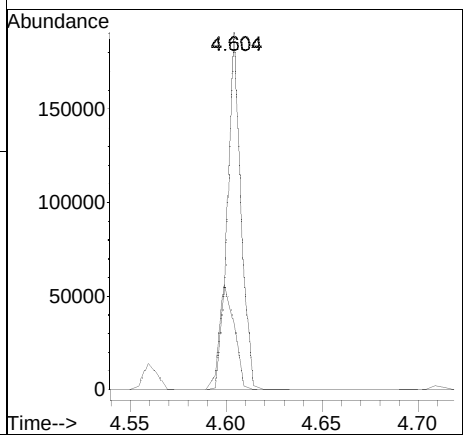


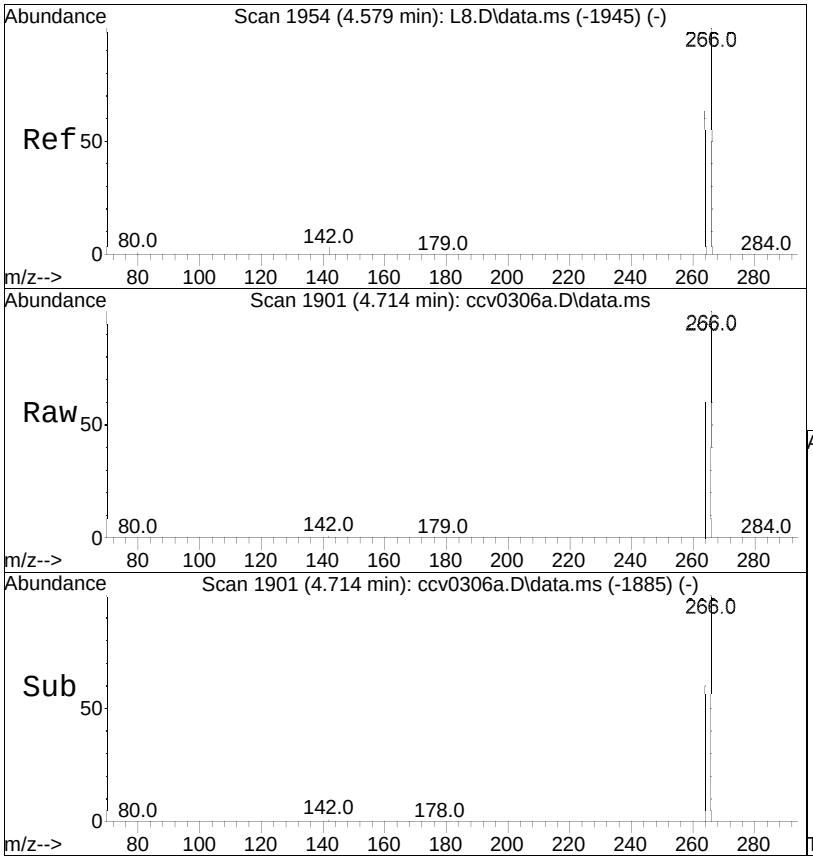


#25
Hexachlorobenzene
Concen: 952.62 ng/ml
RT: 4.604 min Scan# 1879
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:284 Resp: 90839

Ion	Ratio	Lower	Upper
284	100		
142	33.5	29.0	43.4

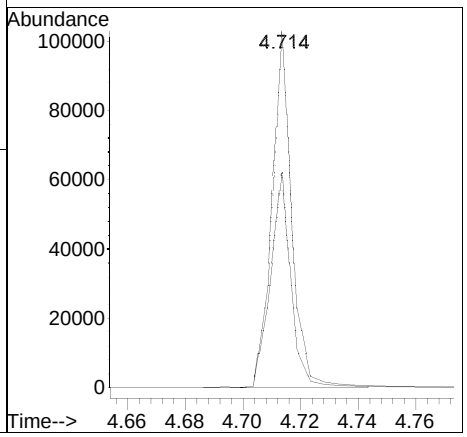


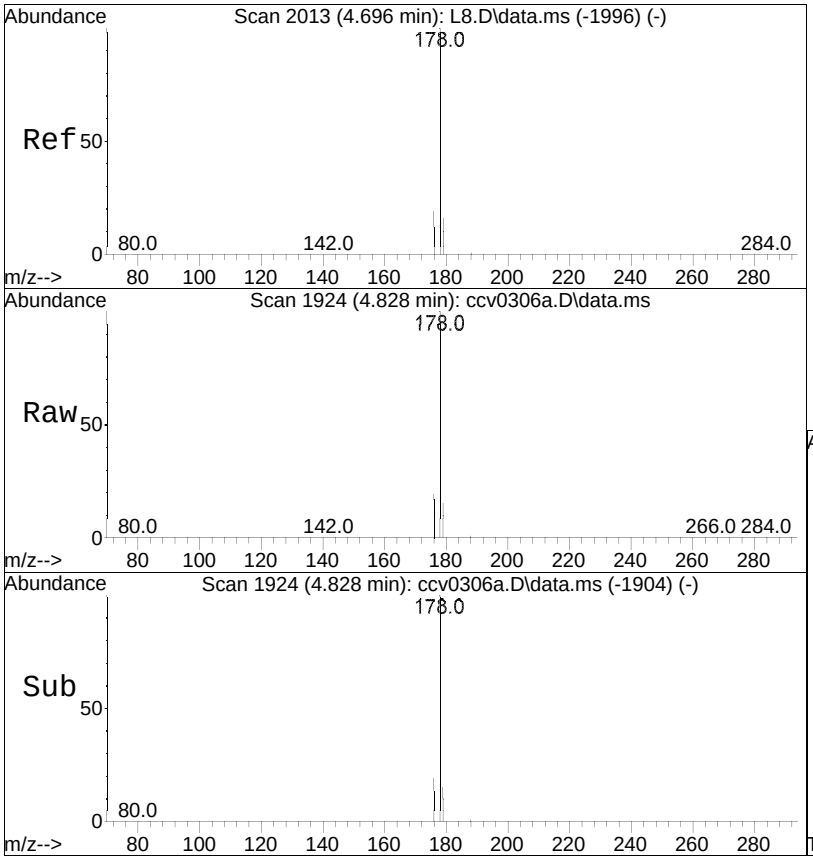


#26
Pentachlorophenol
Concen: 994.78 ng/ml
RT: 4.714 min Scan# 1901
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:266 Resp: 48708

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.3	75.5

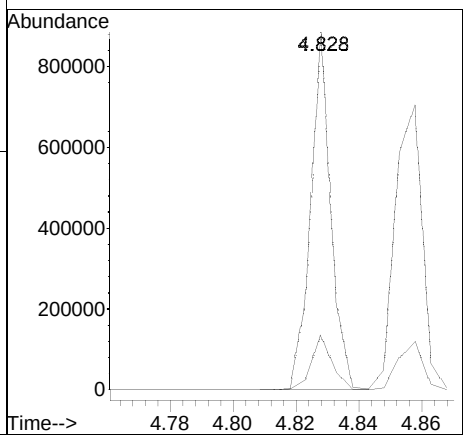


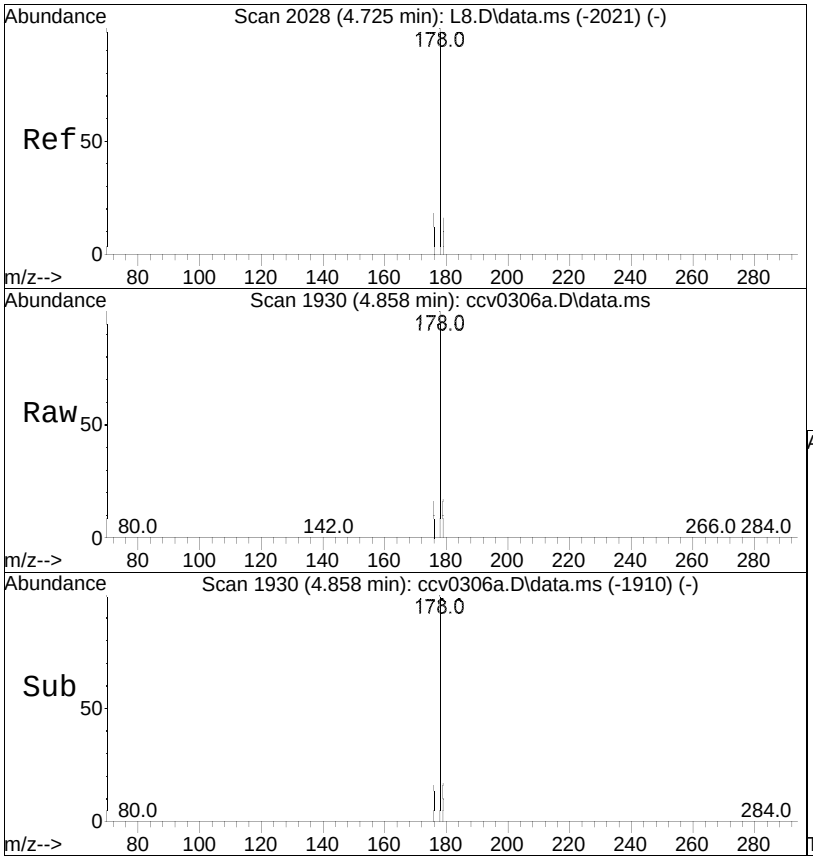


#27
Phenanthrene
Concen: 905.18 ng/ml
RT: 4.828 min Scan# 1924
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:178 Resp: 394581

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

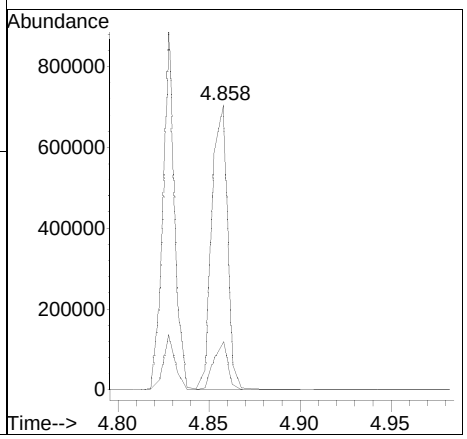


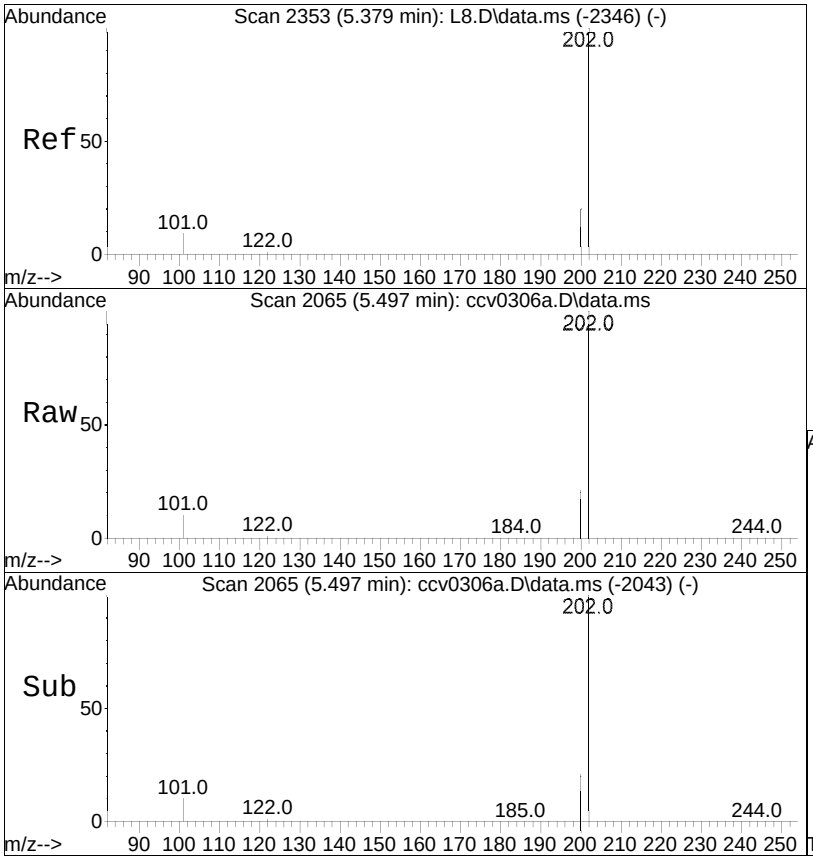


#28
Anthracene
Concen: 979.46 ng/ml
RT: 4.858 min Scan# 1930
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:178 Resp: 423780

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

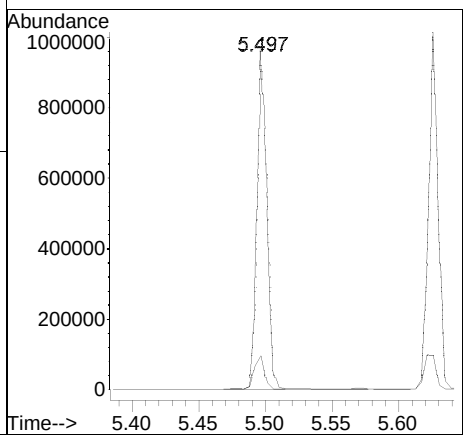


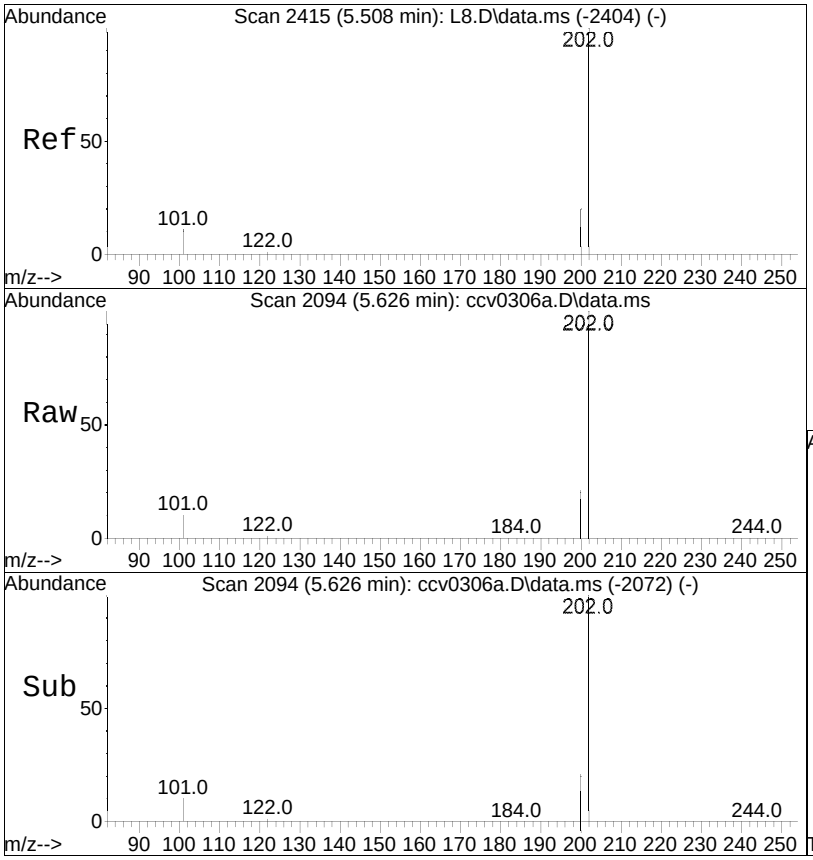


#29
Fluoranthene
Concen: 996.82 ng/ml
RT: 5.497 min Scan# 2065
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:202 Resp: 494887

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.8	13.2

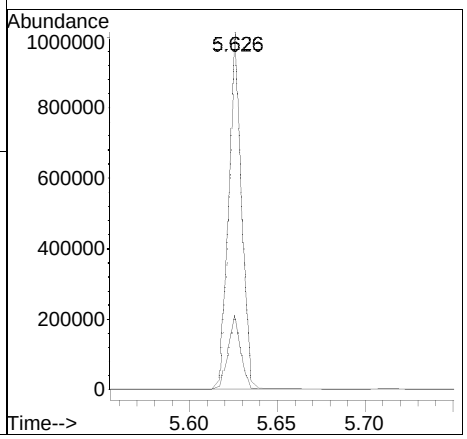


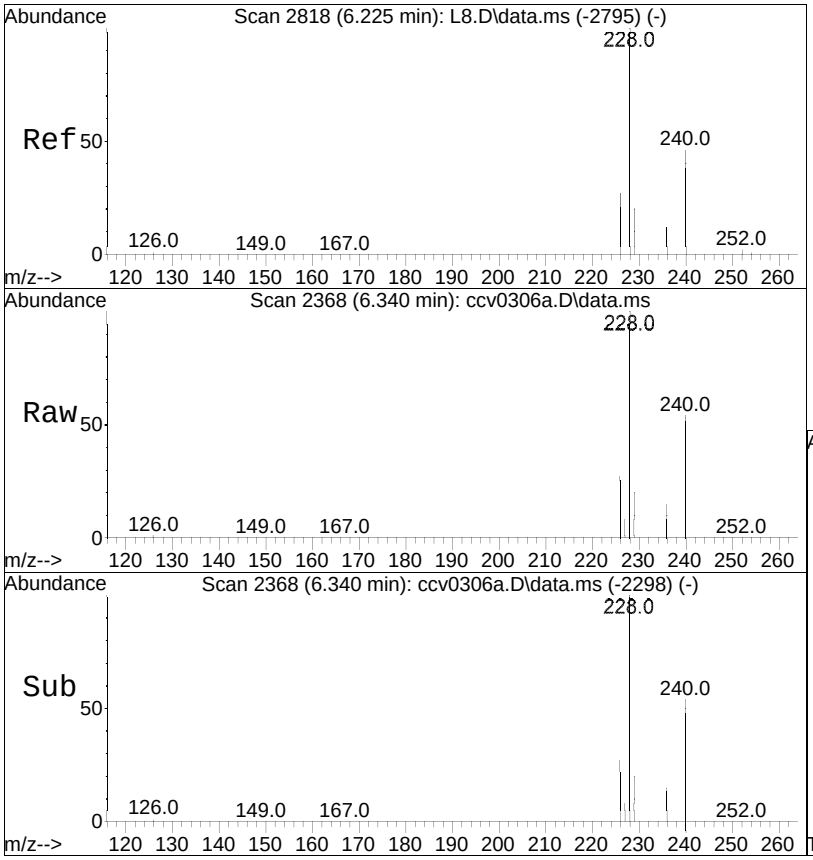


#30
Pyrene
Concen: 979.36 ng/ml
RT: 5.626 min Scan# 2094
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:202 Resp: 503186

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3

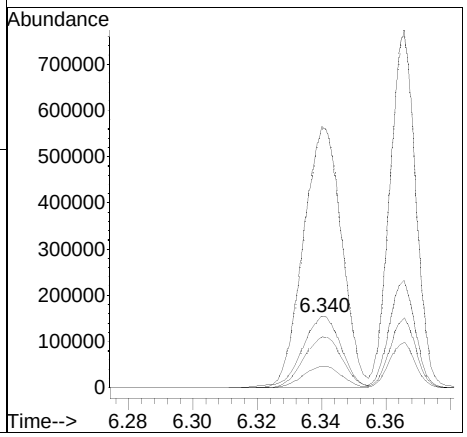


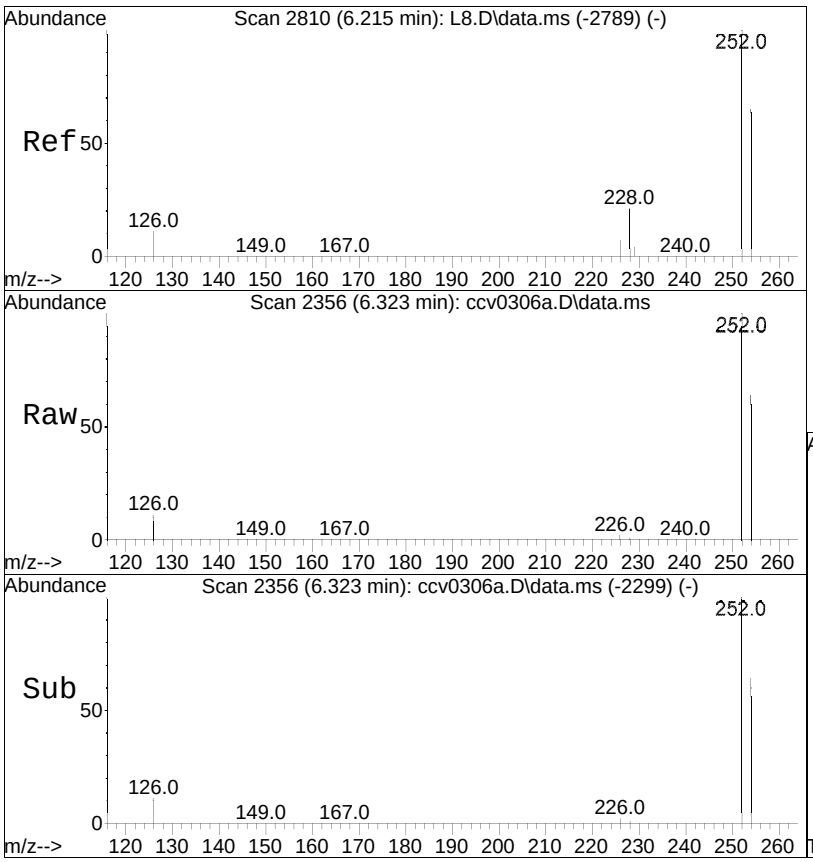


#34
Benzo[a]anthracene
Concen: 886.79 ng/ml
RT: 6.340 min Scan# 2368
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:226 Resp: 129566

Ion	Ratio	Lower	Upper
226	100		
227	30.3	0.0	0.0#
228	359.0	288.7	433.1
229	70.7	56.8	85.2

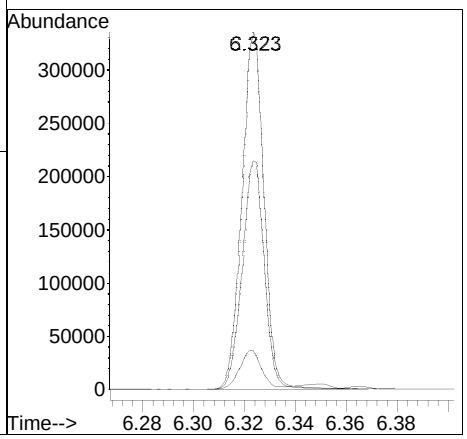


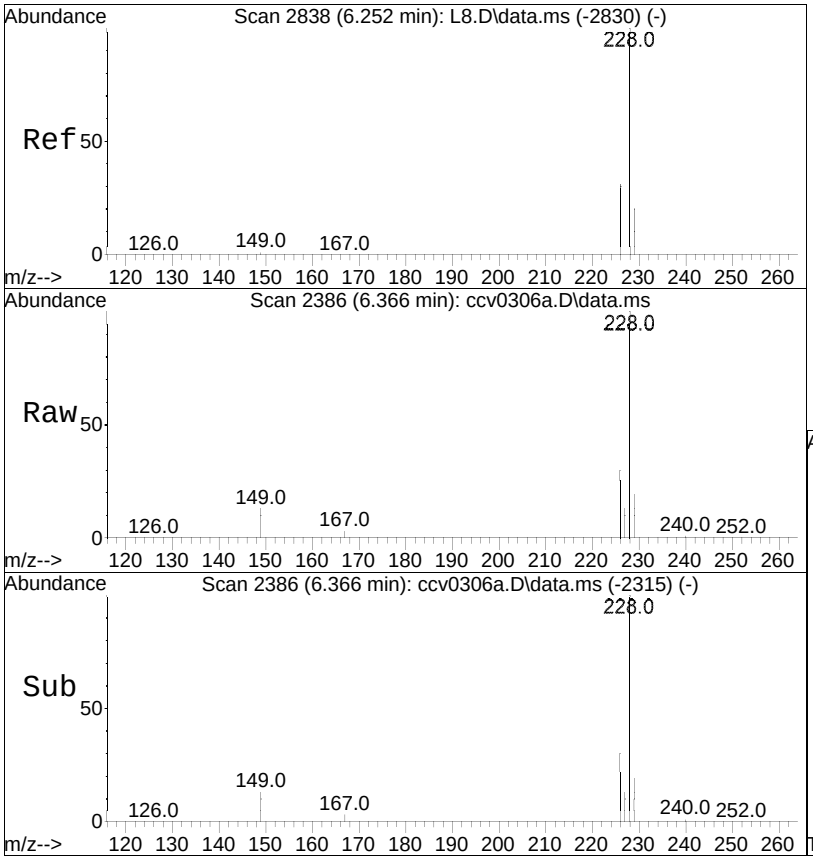


#35
3,3'-Dichlorobenzidine
Concen: 1075.09 ng/ml
RT: 6.323 min Scan# 2356
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:252 Resp: 198581

Ion	Ratio	Lower	Upper
252	100		
126	11.1	9.5	14.3
254	64.3	51.5	77.3

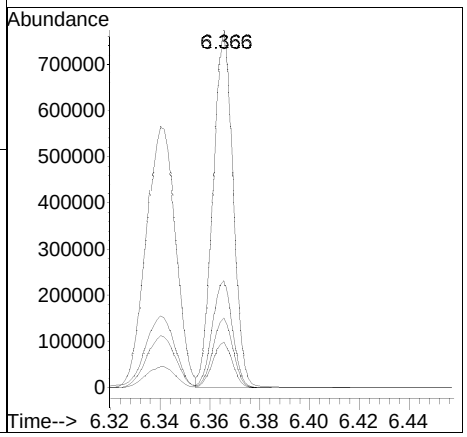


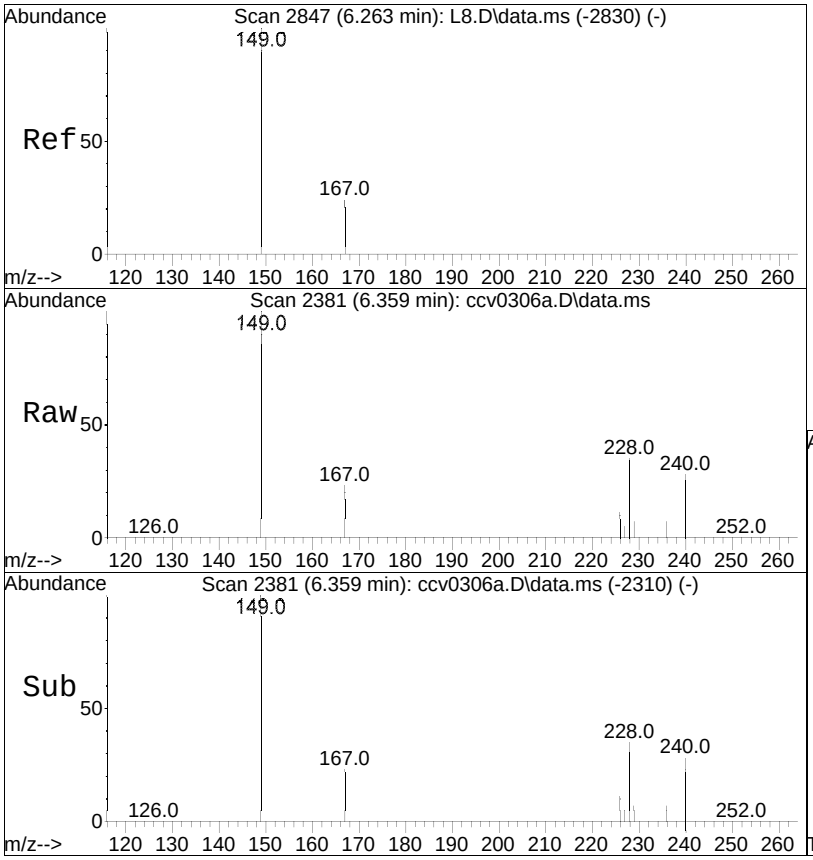


#36
Chrysene
Concen: 907.15 ng/ml
RT: 6.366 min Scan# 2386
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:228 Resp: 432772

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
227	12.7	0.0	0.0#
229	19.5	15.6	23.4

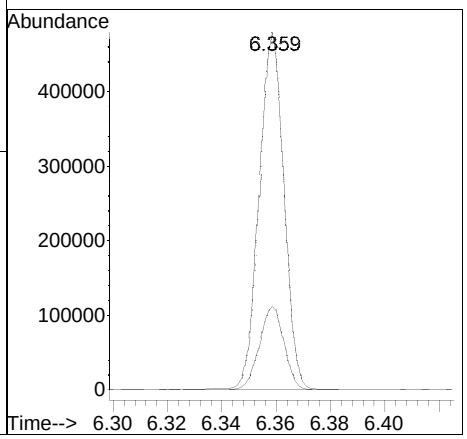


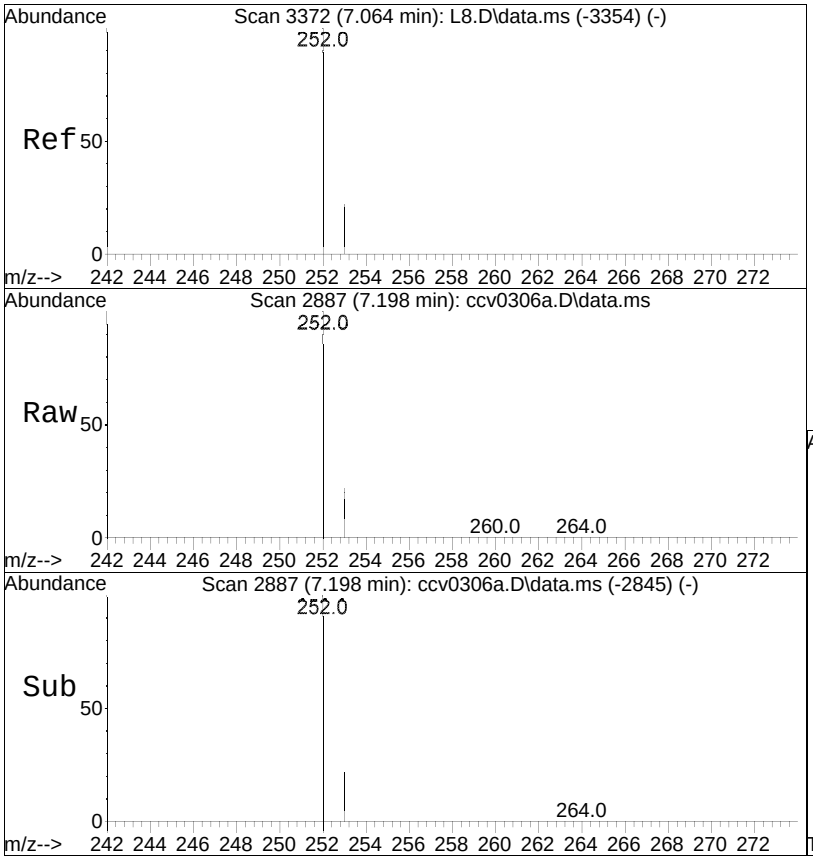


#37
Bis(2-ethylhexyl)phthalate
Concen: 914.51 ng/ml
RT: 6.359 min Scan# 2381
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:149 Resp: 299002

Ion	Ratio	Lower	Upper
149	100		
167	23.4	18.6	27.8

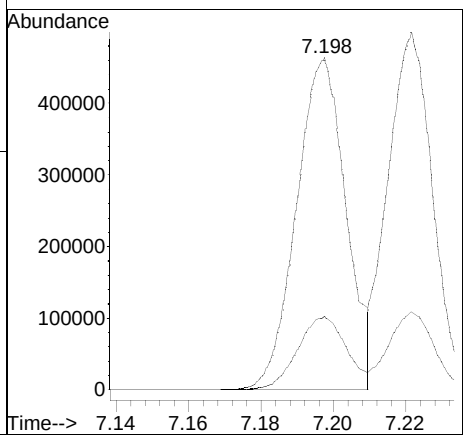


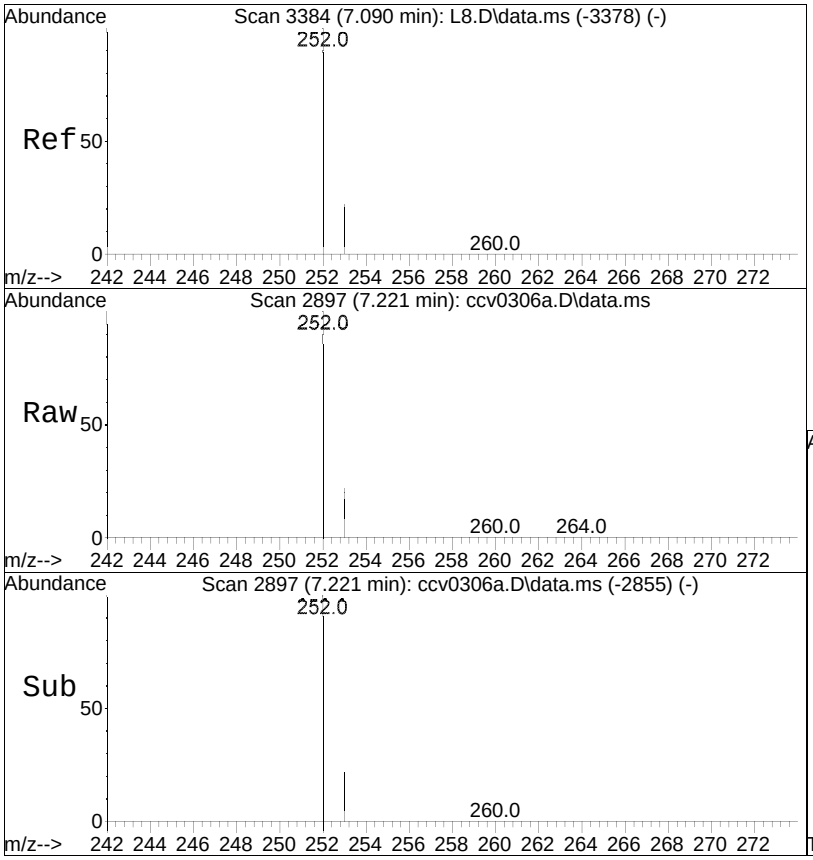


#39
Benzo[b]fluoranthene
Concen: 984.71 ng/ml
RT: 7.198 min Scan# 2887
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:252 Resp: 441806

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2

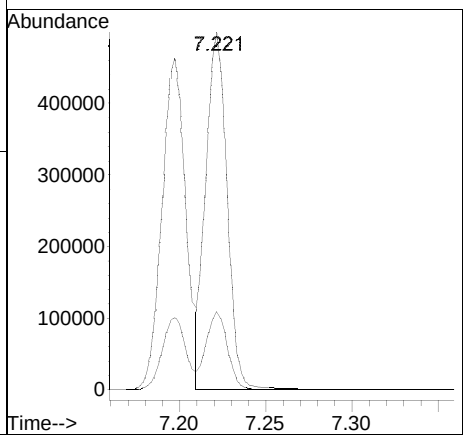


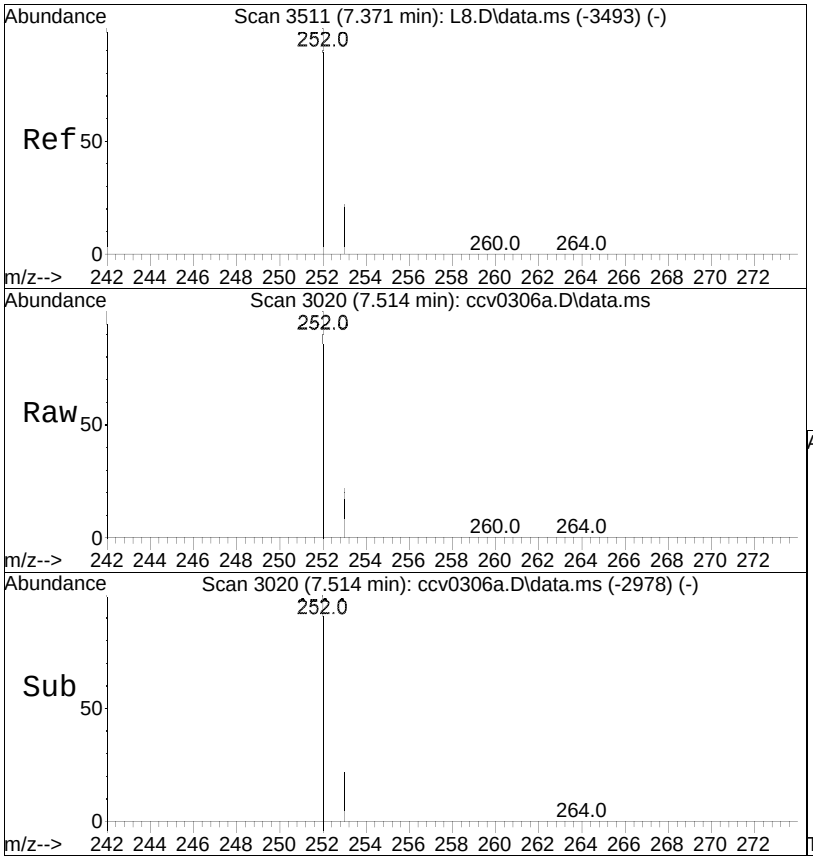


#40
Benzo[k]fluoranthene
Concen: 1002.29 ng/ml
RT: 7.221 min Scan# 2897
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:252 Resp: 427876

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

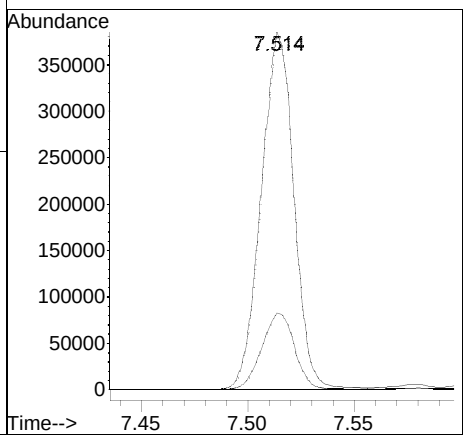


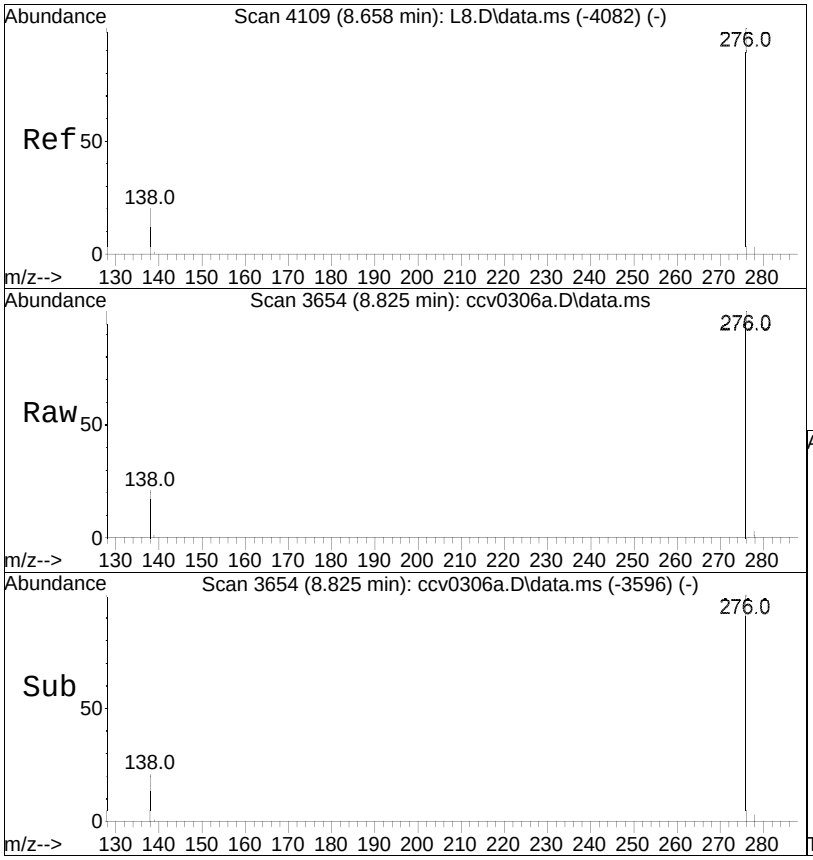


#41
Benzo[a]pyrene
Concen: 1084.53 ng/ml
RT: 7.514 min Scan# 3020
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:252 Resp: 404898

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

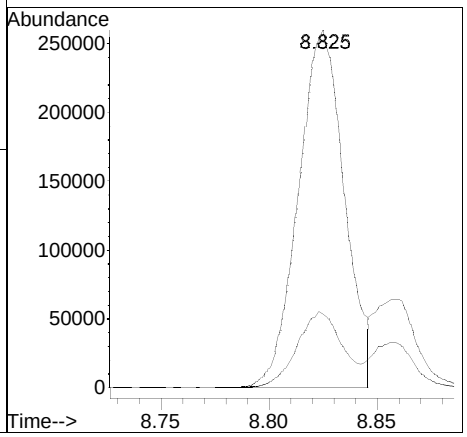


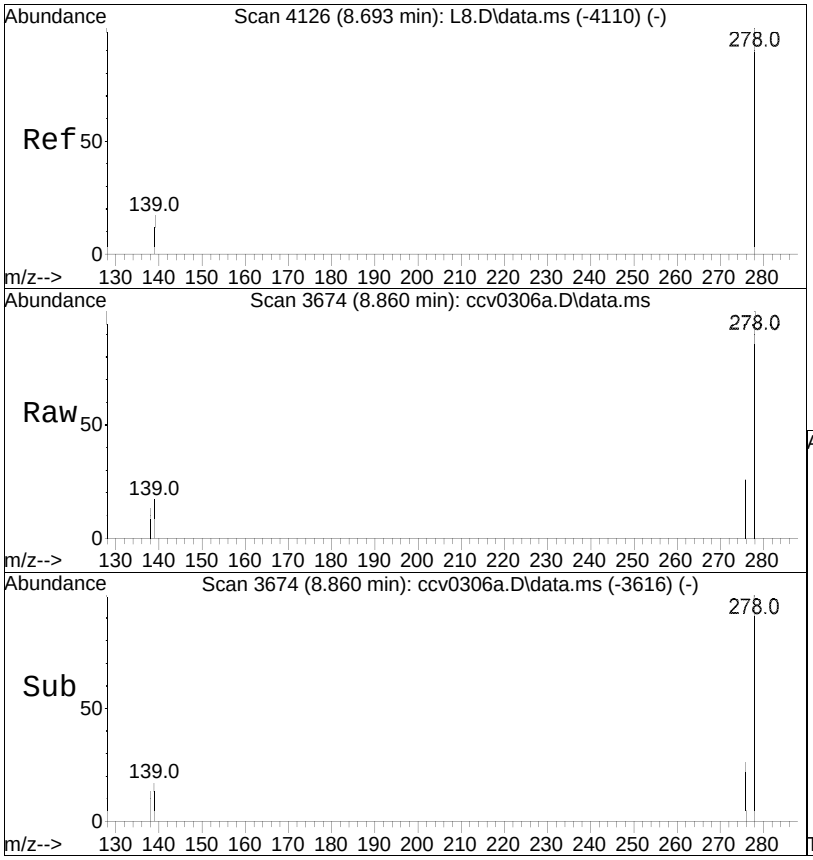


#42
Indeno[1,2,3-cd]pyrene
Concen: 1150.80 ng/ml
RT: 8.825 min Scan# 3654
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:276 Resp: 380849

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.0	25.4

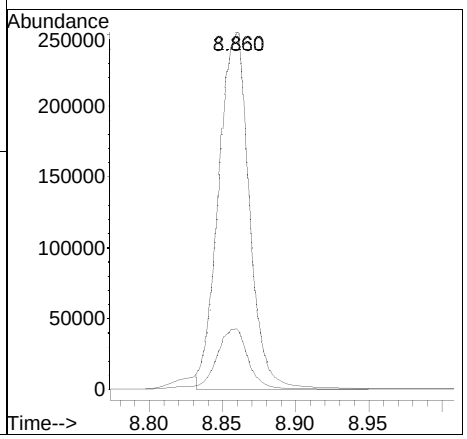


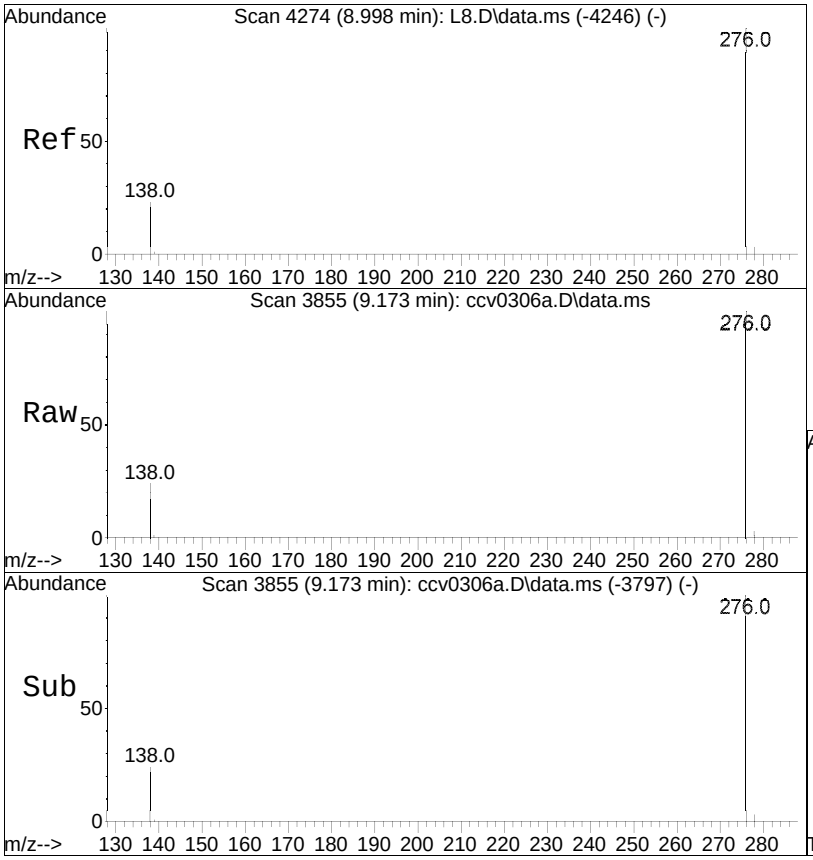


#43
Dibenzo[a,h]anthracene
Concen: 1147.53 ng/ml M6
RT: 8.860 min Scan# 3674
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:278 Resp: 366629

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9

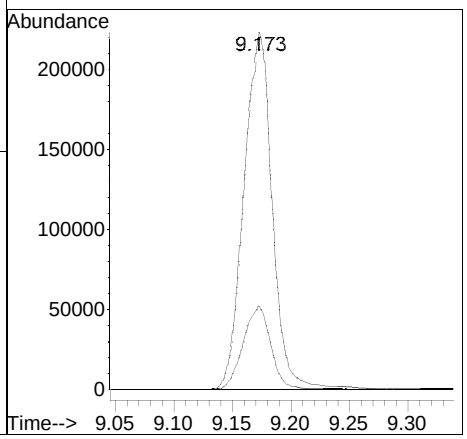




#44
Benzo[g,h,i]perylene
Concen: 1059.63 ng/ml
RT: 9.173 min Scan# 3855
Delta R.T. 0.000 min
Lab File: ccv0306a.D
Acq: 06 Mar 2025 07:17 am

Tgt Ion:276 Resp: 370543

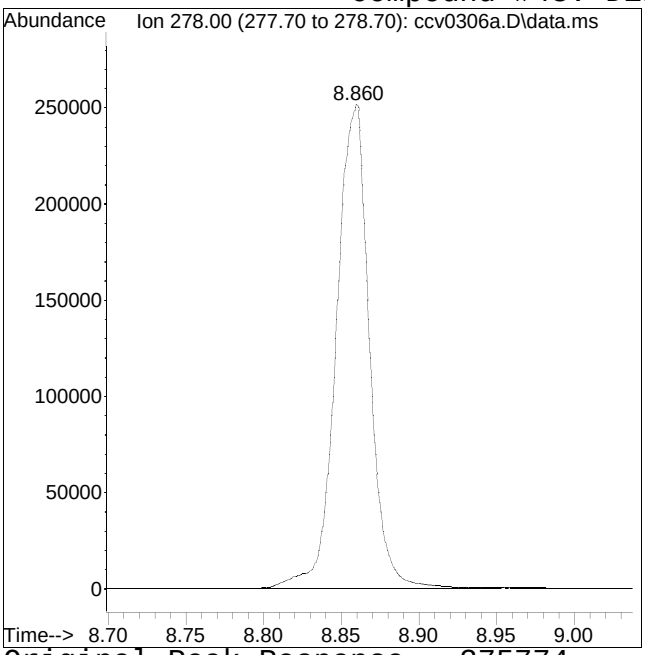
Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.7	28.1



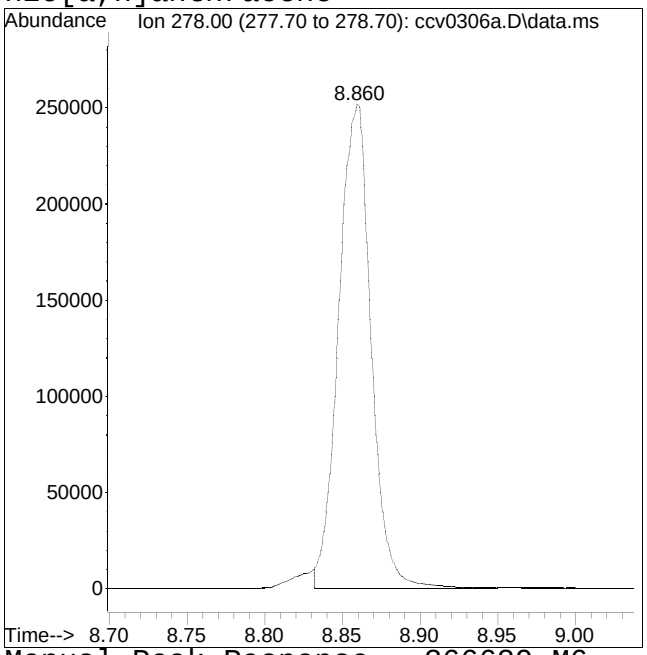
Manual Integration Report

Data Path : I:\8270SIM\SV118\250306aRVQMethod : SIM-RVT_250203sv118.M
Data File : ccv0306a.D Operator : SV118:jjw
Date Inj'd : 3/6/2025 7:17 am Instrument : SV118
Sample : WG2037249-3,32,,ICV 11275 Quant Date : 3/6/2025 7:32 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 375774



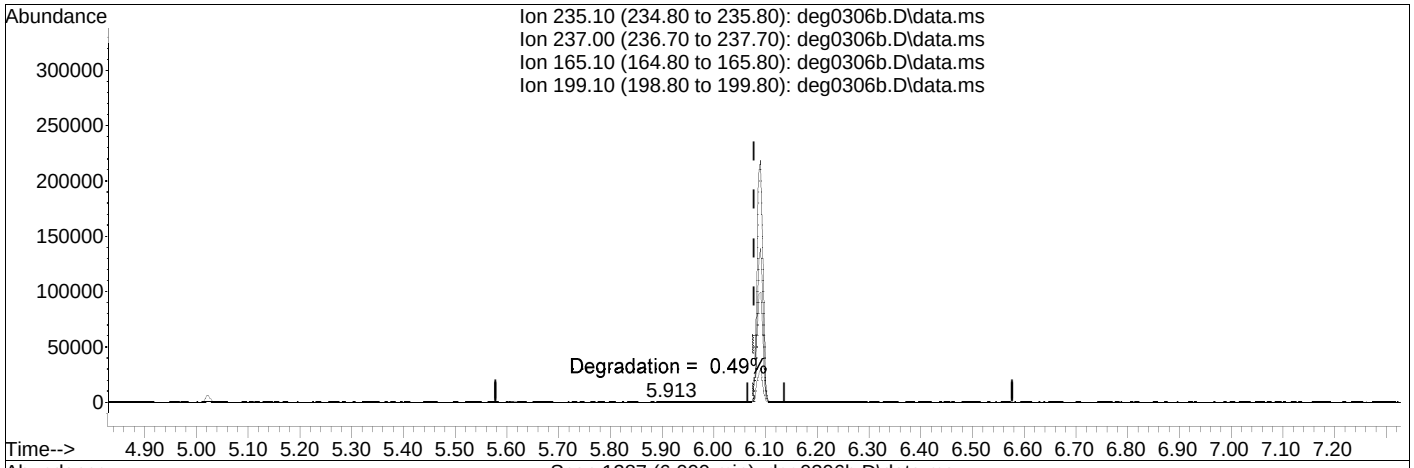
Manual Peak Response = 366629 M6

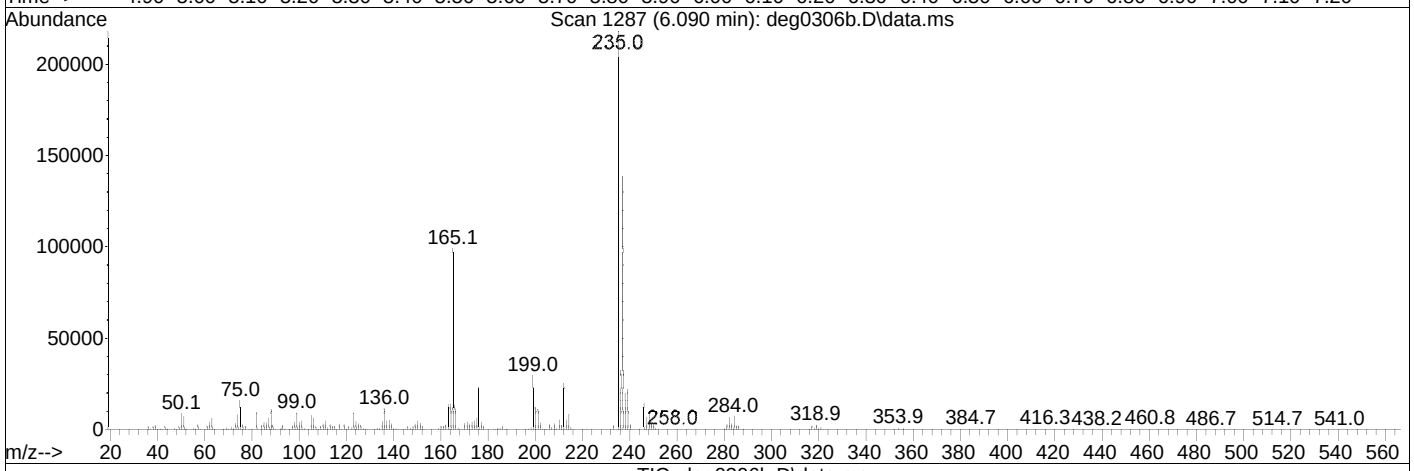
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : deg0306b.D
Acq On : 06 Mar 2025 07:01 am
Operator : SV118:jjw
Sample : WG2037249-2,32,,dftpp SV118 lot #11457
Misc : WG2037249,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 07:13:15 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 01 15:18:24 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0306b.D\data.ms

(6) ddt (T)

6.090min (+ 0.012) 26.29

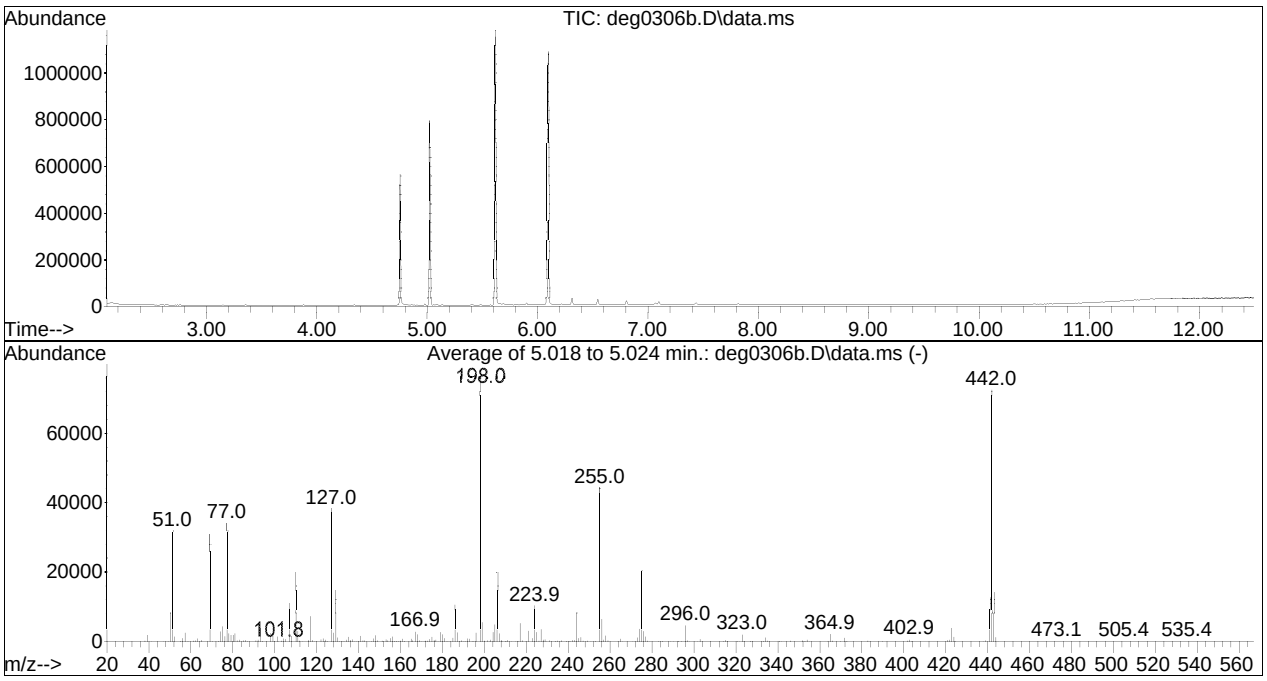
response 160264

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.06
165.10	53.30	46.26
199.10	17.10	13.59

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : deg0306b.D
Acq On : 06 Mar 2025 07:01 am
Operator : SV118:jjw
Sample : WG2037249-1,32,,dftpp SV118 lot #11457
Misc : WG2037249,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\250306aRVT\SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Mar 06 07:32:44 2025



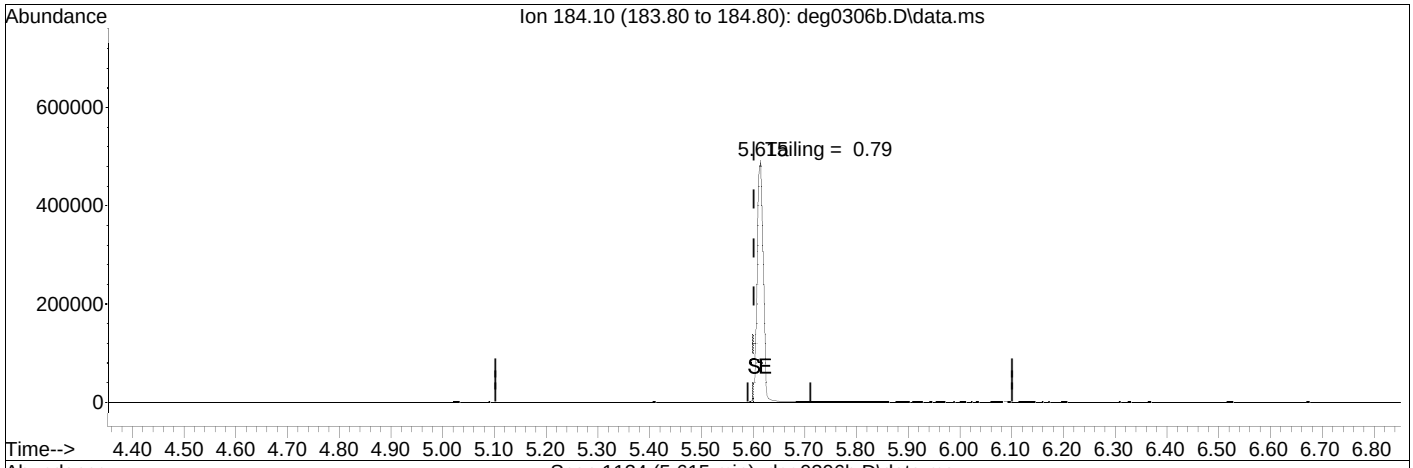
Spectrum Information: Average of 5.018 to 5.024 min.

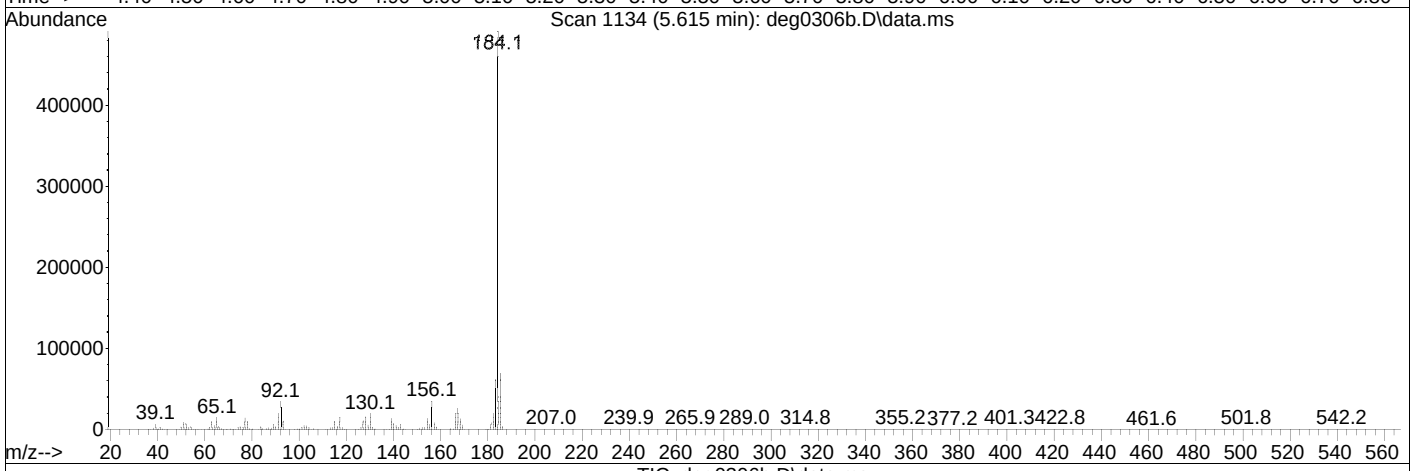
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.1	32020	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	30629	PASS
70	69	0.00	2	0.5	148	PASS
127	198	10	80	50.2	38200	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	76032	PASS
199	198	5	9	7.2	5467	PASS
275	198	10	60	26.9	20487	PASS
365	198	1	100	2.9	2219	PASS
441	442	0.01	24	17.6	12789	PASS
442	198	50	100	95.5	72637	PASS
443	442	15	24	19.3	14053	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : deg0306b.D
Acq On : 06 Mar 2025 07:01 am
Operator : SV118:jjw
Sample : WG2037249-4,32,,dftpp SV118 lot #11457
Misc : WG2037249,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 07:13:15 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 01 15:18:24 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0306b.D\data.ms

(3) benzidine (T)

5.615min (+ 0.013) 36.32

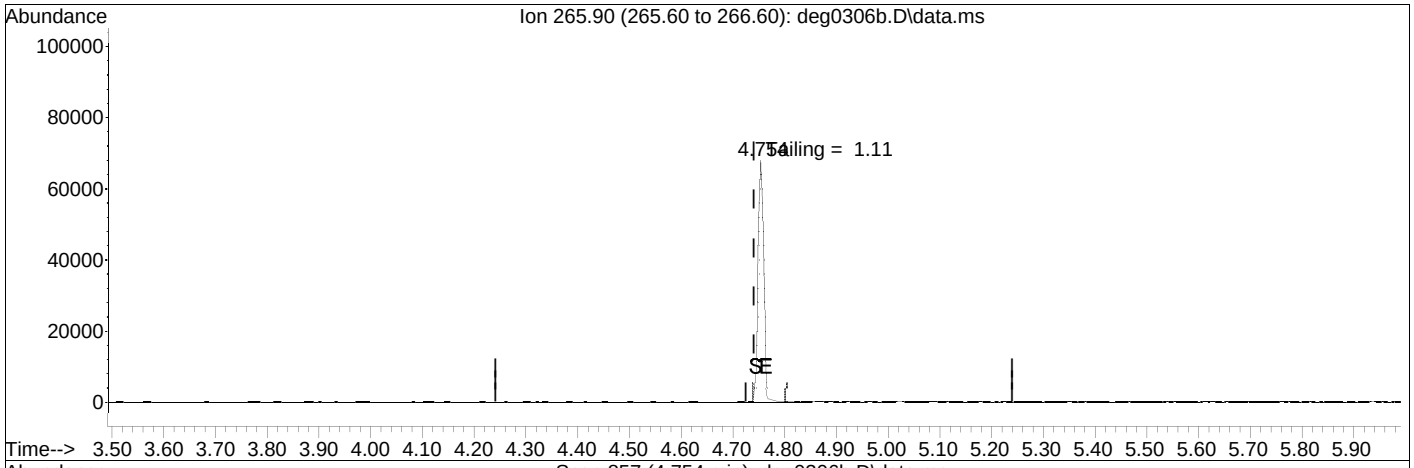
response 369752

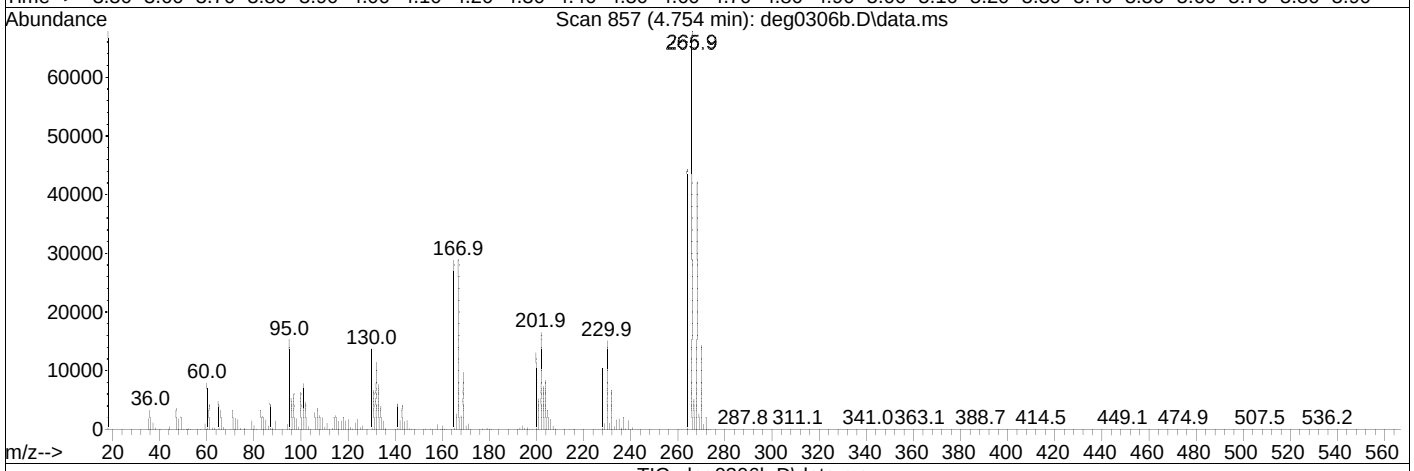
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : deg0306b.D
Acq On : 06 Mar 2025 07:01 am
Operator : SV118:jjw
Sample : WG2037249-5,32,,dftpp SV118 lot #11457
Misc : WG2037249,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 06 07:13:15 2025
Quant Method : I:\8270SIM\SV118\250306aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Mar 01 15:18:24 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0306b.D\data.ms

(1) pentachlorophenol (T)

4.754min (+ 0.013) 22.43

response 47101

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/06/25 06:40		
Lab File ID	: CCV0306	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037227-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	96	0
2-Fluorophenol	1.072	1.135	.05	-5.9	20	100	0
Phenol-d6	1.338	1.443	.05	-7.8	20	101	0
Bis(2-chloroethyl)ether	1.235	1.227	.05	0.6	20	101	0
n-nitrosodi-n-propylamine	0.827	0.881	.05	-6.5	20	101	0
Hexachloroethane	0.518	0.491	.05	5.2	20	94	0
Nitrobenzene-d5	1.297	1.289	.05	0.6	20	96	0
Naphthalene-d8	1	1	.05	0	20	103	0
Naphthalene	1.116	1	.05	10.4	20	98	0
Hexachlorobutadiene	0.196	0.155	.05	20.9*	20	85	0
2-Methylnaphthalene	0.78	0.641	.05	17.8	20	88	0
1-Methylnaphthalene	0.718	0.668	.05	7	20	100	0
2-Fluorobiphenyl	0.975	0.826	.05	15.3	20	92	0
2-Chloronaphthalene	0.805	0.709	.05	11.9	20	94	0
2,6-Dinitrotoluene	0.198	0.185	.05	6.6	20	93	0
Acenaphthylene	1.247	1.192	.05	4.4	20	102	0
Acenaphthene-d10	1	1	.05	0	20	96	0
Acenaphthene	1.334	1.257	.05	5.8	20	94	0
2,4-Dinitrotoluene	0.424	0.446	.05	-5.2	20	96	0
Fluorene	1.533	1.538	.05	-0.3	20	97	0
2,4,6-Tribromophenol	0.175	0.194	.05	-10.9	20	100	0
Phenanthrene-d10	1	1	.05	0	20	98	0
4,6-Dinitro-o-cresol	1000	861.37	.05	13.9	20	90	0
Hexachlorobenzene	0.236	0.206	.05	12.7	20	92	0
Pentachlorophenol	1000	851.468	.05	14.9	20	85	0
Phenanthrene	1.17	1.054	.05	9.9	20	92	0
Anthracene	1.173	1.12	.05	4.5	20	97	0
Fluoranthene	1.463	1.326	.05	9.4	20	93	0
Pyrene	1.51	1.37	.05	9.3	20	93	0
4-Terphenyl-d14	0.992	0.856	.05	13.7	20	87	0
Chrysene-d12	1	1	.05	0	20	97	0
Benzo[a]anthracene	1000	944.957	.05	5.5	20	92	0
3,3'-Dichlorobenzidine	1000	1176.82	.05	-17.7	20	128	0
Chrysene	1.377	1.242	.05	9.8	20	91	0
Bis(2-ethylhexyl)phthalate	0.714	0.879	.05	-23.1*	20	115	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.326	1.235	.05	6.9	20	94	0
Benzo[k]fluoranthene	1.307	1.246	.05	4.7	20	98	0
Benzo[a]pyrene	1.125	1.199	.05	-6.6	20	106	0
Indeno[1,2,3-cd]pyrene	1.089	1.237	.05	-13.6	20	111	0
Dibenzo[a,h]anthracene	1.01	1.141	.05	-13	20	107	0
Benzo[g,h,i]perylene	1.036	1.144	.05	-10.4	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV118	**Calibration Date**	: 03/06/25 07:17		
Lab File ID	: CCV0306A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2037249-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	64	0
2-Fluorophenol	1.223	1.088	.01	11	20	57	0
Phenol-d6	1.466	1.359	.01	7.3	20	59	0
Bis(2-chloroethyl)ether	1.301	1.16	.01	10.8	20	59	0
n-nitrosodi-n-propylamine	0.835	0.847	.01	-1.4	20	62	0
Hexachloroethane	0.544	0.505	.01	7.2	20	59	0
Nitrobenzene-d5	1.197	1.231	.01	-2.8	20	63	0
Naphthalene-d8	1	1	.01	0	20	68	0
Naphthalene	1.137	1.022	.01	10.1	20	63	0
Hexachlorobutadiene	0.204	0.187	.01	8.3	20	62	0
2-Methylnaphthalene	0.707	0.665	.01	5.9	20	64	0
1-Methylnaphthalene	0.719	0.683	.01	5	20	65	0
2-Fluorobiphenyl	0.876	0.841	.01	4	20	68	0
2-Chloronaphthalene	0.765	0.735	.01	3.9	20	65	0
2,6-Dinitrotoluene	0.17	0.184	.01	-8.2	20	67	0
Acenaphthylene	1.17	1.247	.01	-6.6	20	68	0
Acenaphthene-d10	1	1	.01	0	20	71	0
Acenaphthene	1.424	1.309	.01	8.1	20	66	0
2,4-Dinitrotoluene	0.411	0.442	.01	-7.5	20	69	0
Fluorene	1.566	1.517	.01	3.1	20	68	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	65	0
Phenanthrene-d10	1	1	.01	0	20	73	0
4,6-Dinitro-o-cresol	1000	817.341	.01	18.3	20	64	0
Hexachlorobenzene	0.265	0.252	.01	4.9	20	70	0
Pentachlorophenol	1000	994.783	.01	0.5	20	70	0
Phenanthrene	1.211	1.096	.01	9.5	20	67	0
Anthracene	1.202	1.177	.01	2.1	20	70	0
Fluoranthene	1.379	1.375	.01	0.3	20	72	0
Pyrene	1.427	1.398	.01	2	20	70	0
4-Terphenyl-d14	0.929	0.899	.01	3.2	20	72	0
Chrysene-d12	1	1	.01	0	20	74	0
Benzo[a]anthracene	0.423	0.375	.01	11.3	20	68	0
3,3'-Dichlorobenzidine	0.534	0.574	.01	-7.5	20	74	0
Chrysene	1.38	1.252	.01	9.3	20	67	0
Bis(2-ethylhexyl)phthalate	1000	914.51	.01	8.5	20	73	0
Perylene-d12	1	1	.01	0	20	74	0
Benzo[b]fluoranthene	1.316	1.296	.01	1.5	20	71	0
Benzo[k]fluoranthene	1.252	1.255	.01	-0.2	20	69	0
Benzo[a]pyrene	1.095	1.188	.01	-8.5	20	73	0
Indeno[1,2,3-cd]pyrene	0.971	1.117	.01	-15	20	78	0
Dibenzo[a,h]anthracene	0.937	1.076	.01	-14.8	20	75	0
Benzo[g,h,i]perylene	1.026	1.087	.01	-5.9	20	72	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/07/25 08:50		
Lab File ID	: CCV0307	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037750-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	95	0
2-Fluorophenol	1.072	1.151	.05	-7.4	20	101	0
Phenol-d6	1.338	1.408	.05	-5.2	20	98	0
Bis(2-chloroethyl)ether	1.235	1.194	.05	3.3	20	97	0
n-nitrosodi-n-propylamine	0.827	0.827	.05	0	20	94	0
Hexachloroethane	0.518	0.5	.05	3.5	20	95	0
Nitrobenzene-d5	1.297	1.237	.05	4.6	20	91	0
Naphthalene-d8	1	1	.05	0	20	96	0
Naphthalene	1.116	1.006	.05	9.9	20	92	0
Hexachlorobutadiene	0.196	0.161	.05	17.9	20	82	0
2-Methylnaphthalene	0.78	0.643	.05	17.6	20	82	0
1-Methylnaphthalene	0.718	0.656	.05	8.6	20	91	0
2-Fluorobiphenyl	0.975	0.804	.05	17.5	20	84	0
2-Chloronaphthalene	0.805	0.698	.05	13.3	20	86	0
2,6-Dinitrotoluene	0.198	0.183	.05	7.6	20	86	0
Acenaphthylene	1.247	1.183	.05	5.1	20	94	0
Acenaphthene-d10	1	1	.05	0	20	88	0
Acenaphthene	1.334	1.262	.05	5.4	20	86	0
2,4-Dinitrotoluene	0.424	0.445	.05	-5	20	88	0
Fluorene	1.533	1.508	.05	1.6	20	88	0
2,4,6-Tribromophenol	0.175	0.183	.05	-4.6	20	86	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	854.171	.05	14.6	20	80	0
Hexachlorobenzene	0.236	0.205	.05	13.1	20	81	0
Pentachlorophenol	1000	823.285	.05	17.7	20	73	0
Phenanthrene	1.17	1.084	.05	7.4	20	85	0
Anthracene	1.173	1.13	.05	3.7	20	87	0
Fluoranthene	1.463	1.365	.05	6.7	20	85	0
Pyrene	1.51	1.418	.05	6.1	20	86	0
4-Terphenyl-d14	0.992	0.849	.05	14.4	20	77	0
Chrysene-d12	1	1	.05	0	20	85	0
Benzo[a]anthracene	1000	963.78	.05	3.6	20	82	0
3,3'-Dichlorobenzidine	1000	1184.271	.05	-18.4	20	112	0
Chrysene	1.377	1.272	.05	7.6	20	81	0
Bis(2-ethylhexyl)phthalate	0.714	0.869	.05	-21.7*	20	99	0
Perylene-d12	1	1	.05	0	20	86	0
Benzo[b]fluoranthene	1.326	1.334	.05	-0.6	20	86	0
Benzo[k]fluoranthene	1.307	1.266	.05	3.1	20	84	0
Benzo[a]pyrene	1.125	1.226	.05	-9	20	92	0
Indeno[1,2,3-cd]pyrene	1.089	1.205	.05	-10.7	20	92	0
Dibenzo[a,h]anthracene	1.01	1.132	.05	-12.1	20	90	0
Benzo[g,h,i]perylene	1.036	1.147	.05	-10.7	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/10/25 06:36		
Lab File ID	: CCV0310	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2038430-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	85	0
2-Fluorophenol	1.072	1.099	.05	-2.5	20	87	0
Phenol-d6	1.338	1.395	.05	-4.3	20	87	0
Bis(2-chloroethyl)ether	1.235	1.192	.05	3.5	20	87	0
n-nitrosodi-n-propylamine	0.827	0.858	.05	-3.7	20	87	0
Hexachloroethane	0.518	0.484	.05	6.6	20	83	0
Nitrobenzene-d5	1.297	1.272	.05	1.9	20	84	0
Naphthalene-d8	1	1	.05	0	20	92	0
Naphthalene	1.116	0.968	.05	13.3	20	85	0
Hexachlorobutadiene	0.196	0.15	.05	23.5*	20	74	0
2-Methylnaphthalene	0.78	0.631	.05	19.1	20	77	0
1-Methylnaphthalene	0.718	0.647	.05	9.9	20	86	0
2-Fluorobiphenyl	0.975	0.797	.05	18.3	20	80	0
2-Chloronaphthalene	0.805	0.689	.05	14.4	20	82	0
2,6-Dinitrotoluene	0.198	0.182	.05	8.1	20	82	0
Acenaphthylene	1.247	1.18	.05	5.4	20	90	0
Acenaphthene-d10	1	1	.05	0	20	89	0
Acenaphthene	1.334	1.195	.05	10.4	20	82	0
2,4-Dinitrotoluene	0.424	0.424	.05	0	20	84	0
Fluorene	1.533	1.451	.05	5.3	20	85	0
2,4,6-Tribromophenol	0.175	0.17	.05	2.9	20	81	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	781.84	.05	21.8*	20	75	0
Hexachlorobenzene	0.236	0.192	.05	18.6	20	78	0
Pentachlorophenol	1000	631.539	.05	36.8*	20	57	0
Phenanthrene	1.17	1.013	.05	13.4	20	82	0
Anthracene	1.173	1.075	.05	8.4	20	85	0
Fluoranthene	1.463	1.275	.05	12.9	20	82	0
Pyrene	1.51	1.323	.05	12.4	20	83	0
4-Terphenyl-d14	0.992	0.793	.05	20.1*	20	74	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	898.716	.05	10.1	20	75	0
3,3'-Dichlorobenzidine	1000	1080.307	.05	-8	20	99	0
Chrysene	1.377	1.176	.05	14.6	20	73	0
Bis(2-ethylhexyl)phthalate	0.714	0.802	.05	-12.3	20	89	0
Perylene-d12	1	1	.05	0	20	77	0
Benzo[b]fluoranthene	1.326	1.221	.05	7.9	20	71	0
Benzo[k]fluoranthene	1.307	1.232	.05	5.7	20	73	0
Benzo[a]pyrene	1.125	1.135	.05	-0.9	20	76	0
Indeno[1,2,3-cd]pyrene	1.089	0.957	.05	12.1	20	65	0
Dibenzo[a,h]anthracene	1.01	0.977	.05	3.3	20	69	0
Benzo[g,h,i]perylene	1.036	0.955	.05	7.8	20	69	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : ccv0307.D
Acq On : 07 Mar 2025 08:50 am
Operator : sv119:rp
Sample : WG2037750-3,32,,ICV 11275 (0222e)
Misc : WG2037750,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 07 09:05:51 2025
Quant Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:26 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	T	N-Nitrosodimethylamine	0.000	0.771	0.0	0#	0.00
3	s	2-Fluorophenol	1.072	1.151	-7.4	101	0.00
4	s	Phenol-d6	1.338	1.408	-5.2	98	0.00
5	T	Bis(2-chloroethyl)ether	1.235	1.194	3.3	97	0.00
6	T	n-nitrosodi-n-propylamine	0.827	0.827	0.0	94	0.00
7	t	Hexachloroethane	0.518	0.500	3.5	95	0.00
8	s	Nitrobenzene-d5	1.297	1.237	4.6	91	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	96	0.00
10	t	Naphthalene	1.116	1.006	9.9	92	0.00
11	t	Hexachlorobutadiene	0.196	0.161	17.9	82	0.00
12	t	2-Methylnaphthalene	0.780	0.643	17.6	82	0.00
13	t	1-Methylnaphthalene	0.718	0.656	8.6	91	0.00
14	s	2-Fluorobiphenyl	0.975	0.804	17.5	84	0.00
15	t	2-Chloronaphthalene	0.805	0.698	13.3	86	0.00
16	t	2,6-Dinitrotoluene	0.198	0.183	7.6	86	0.00
17	t	Acenaphthylene	1.247	1.183	5.1	94	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
19	t	Acenaphthene	1.334	1.262	5.4	86	0.00
20	t	2,4-Dinitrotoluene	0.424	0.445	-5.0	88	0.00
21	t	Fluorene	1.533	1.508	1.6	88	0.00
22	s	2,4,6-Tribromophenol	0.175	0.183	-4.6	86	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	854.171	14.6	80	0.00
25	t	Hexachlorobenzene	0.236	0.205	13.1	81	0.00
26	t	Pentachlorophenol	*1000.000	823.285	17.7	73	0.00
27	t	Phenanthrene	1.170	1.084	7.4	85	0.00
28	t	Anthracene	1.173	1.130	3.7	87	0.00
29	t	Fluoranthene	1.463	1.365	6.7	85	0.00
30	t	Pyrene	1.510	1.418	6.1	86	0.00
31	T	Benzidine	0.000	0.933	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.992	0.849	14.4	77	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	85	0.00
34	t	Benzo[a]anthracene	*1000.000	963.780	3.6	82	0.00
35	t	3,3'-Dichlorobenzidine	*1000.000	1184.271	-18.4	112	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : ccv0307.D
Acq On : 07 Mar 2025 08:50 am
Operator : sv119:rp
Sample : WG2037750-3,32,,ICV 11275 (0222e)
Misc : WG2037750,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 07 09:05:51 2025
Quant Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:26 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.377	1.272	7.6	81	0.00
37	T	Bis(2-ethylhexyl)phthalate	0.714	0.869	-21.7#	99	0.00
38	i	Perylene-d12	1.000	1.000	0.0	86	0.00
39	t	Benzo[b]fluoranthene	1.326	1.334	-0.6	86	0.00
40	t	Benzo[k]fluoranthene	1.307	1.266	3.1	84	0.00
41	t	Benzo[a]pyrene	1.125	1.226	-9.0	92	0.00
42	t	Indeno[1,2,3-cd]pyrene	1.089	1.205	-10.7	92	0.00
43	t	Dibenzo[a,h]anthracene	1.010	1.132	-12.1	90	0.00
44	t	Benzo[g,h,i]perylene	1.036	1.147	-10.7	93	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : ccv0307.D
Acq On : 07 Mar 2025 08:50 am
Operator : sv119:rp
Sample : WG2037750-3,32,,ICV 11275 (0222e)
Misc : WG2037750,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 07 09:05:51 2025
Quant Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:26 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.202	152	289180	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.859	136	1098212	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.829	164	628673	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.665	188	1320641	4000.000	ng/ml	0.00
33) Chrysene-d12	6.205	240	1312779	4000.000	ng/ml	0.00
38) Perylene-d12	7.382	264	1350730	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.626	112	83238	1074.283	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.71%			
4) Phenol-d6	2.025	99	101777	1052.424	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.62%			
8) Nitrobenzene-d5	2.483	82	89417	953.489	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.35%			
14) 2-Fluorobiphenyl	3.451	172	220767	824.393	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.44%			
22) 2,4,6-Tribromophenol	4.274	330	28742	1047.511	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.38%			
32) 4-Terphenyl-d14	5.574	244	280392	855.845	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.58%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.194	74	55772	No Calib	#	
5) Bis(2-chloroethyl)ether	2.071	93	86296	966.790	ng/ml	90
6) n-nitrosodi-n-propylamine	2.402	70	59802	999.673	ng/ml	100
7) Hexachloroethane	2.458	117	36121	963.686	ng/ml	96
10) Naphthalene	2.870	128	276233	901.865	ng/ml	99
11) Hexachlorobutadiene	2.939	225	44122	818.562	ng/ml	100
12) 2-Methylnaphthalene	3.247	142	176419	824.234	ng/ml	98
13) 1-Methylnaphthalene	3.303	142	180186	914.272	ng/ml	97
15) 2-Chloronaphthalene	3.518	162	191583	866.659	ng/ml	93
16) 2,6-Dinitrotoluene	3.713	165	50107	919.780	ng/ml#	89
17) Acenaphthylene	3.747	152	324837	948.871	ng/ml	100
19) Acenaphthene	3.847	153	198279	945.660	ng/ml	93
20) 2,4-Dinitrotoluene	3.942	165	69934	1048.518	ng/ml#	69
21) Fluorene	4.136	166	237041	984.002	ng/ml	97
24) 4,6-Dinitro-o-cresol	4.173	198	36849	854.171	ng/ml	96
25) Hexachlorobenzene	4.454	284	67533	867.531	ng/ml	96
26) Pentachlorophenol	4.567	266	32143	823.285	ng/ml	99
27) Phenanthrene	4.677	178	357849	926.745	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : ccv0307.D
Acq On : 07 Mar 2025 08:50 am
Operator : sv119:rp
Sample : WG2037750-3,32,,ICV 11275 (0222e)
Misc : WG2037750,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 07 09:05:51 2025
Quant Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:26 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.701	178	373074	963.660	ng/ml	99
29) Fluoranthene	5.352	202	450631	932.801	ng/ml	97
30) Pyrene	5.483	202	468220	938.985	ng/ml	100
31) Benzidine	5.433	184	308152	No Calib #		
34) Benzo[a]anthracene	6.198	228	448306	963.780	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.184	252	196217	1184.271	ng/ml	99
36) Chrysene	6.220	228	417360	923.358	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.217	149	285184	1216.209	ng/ml	97
39) Benzo[b]fluoranthene	7.015	252	450312	1005.933	ng/ml	98
40) Benzo[k]fluoranthene	7.039	252	427443	968.271	ng/ml	98
41) Benzo[a]pyrene	7.318	252	414011	1089.939	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.575	276	407033	1106.853	ng/ml	98
43) Dibenzo[a,h]anthracene	8.606	278	382333M6	1120.737	ng/ml	
44) Benzo[g,h,i]perylene	8.911	276	387160	1106.150	ng/ml	96

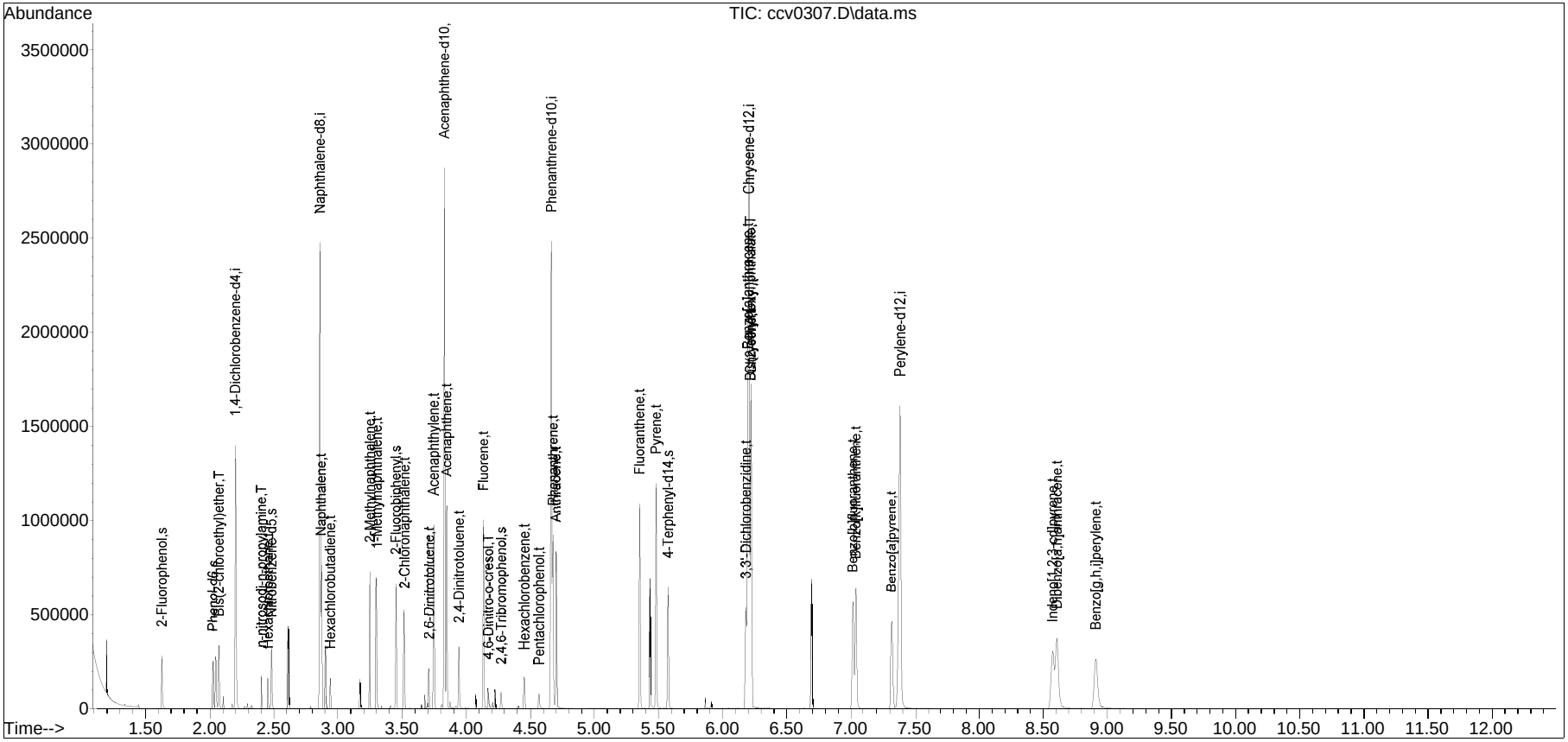
(#) = qualifier out of range (m) = manual integration (+) = signals summed

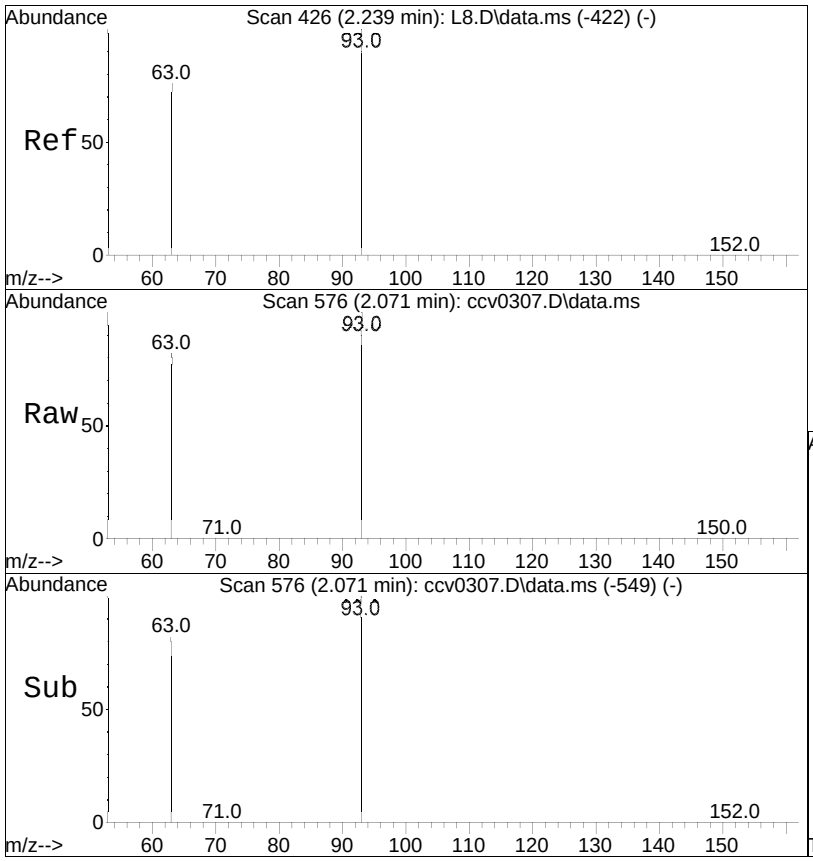
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : ccv0307.D
Acq On : 07 Mar 2025 08:50 am
Operator : sv119:rp
Sample : WG2037750-3,32,,ICV 11275 (0222e)
Misc : WG2037750,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 07 09:05:51 2025
Quant Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:26 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

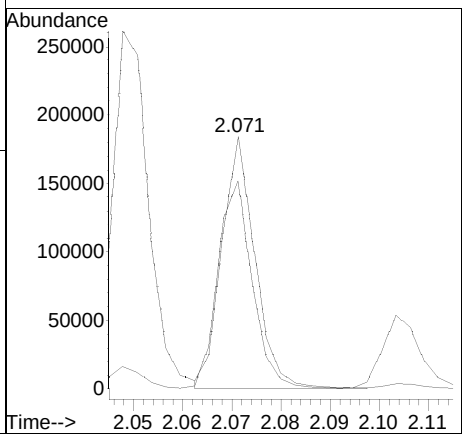


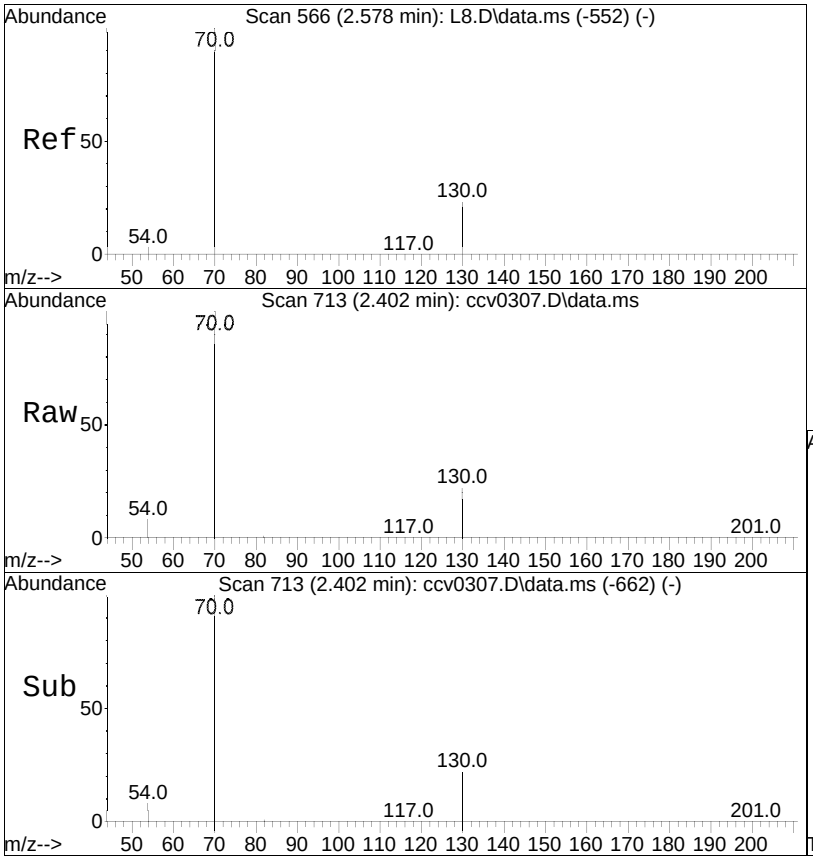


#5
Bis(2-chloroethyl)ether
Concen: 966.79 ng/ml
RT: 2.071 min Scan# 576
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion: 93 Resp: 86296

Ion	Ratio	Lower	Upper
93	100		
63	85.4	61.7	92.5

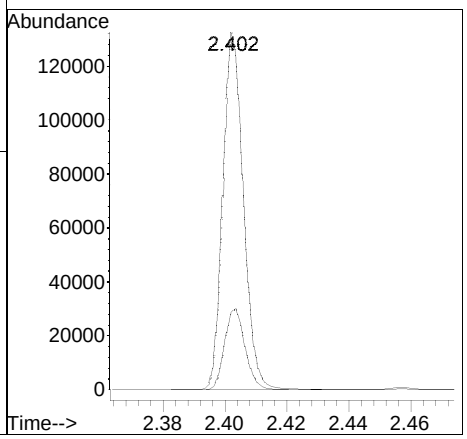


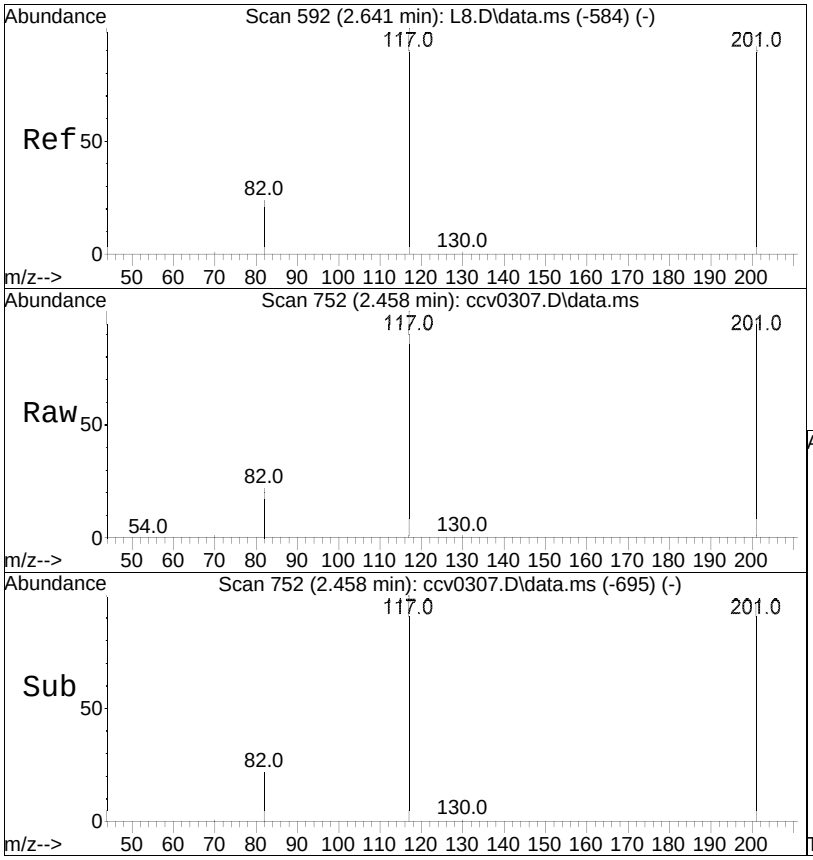


#6
n-nitrosodi-n-propylamine
Concen: 999.67 ng/ml
RT: 2.402 min Scan# 713
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion: 70 Resp: 59802

Ion	Ratio	Lower	Upper
70	100		
130	22.8	18.1	27.1

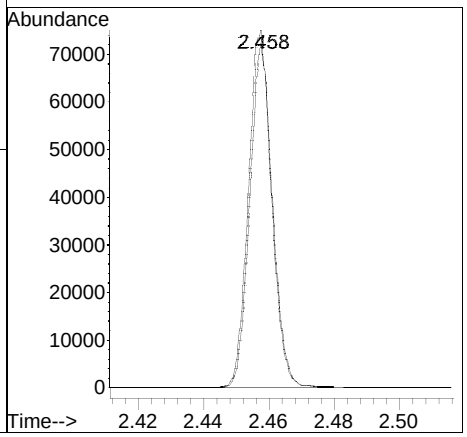


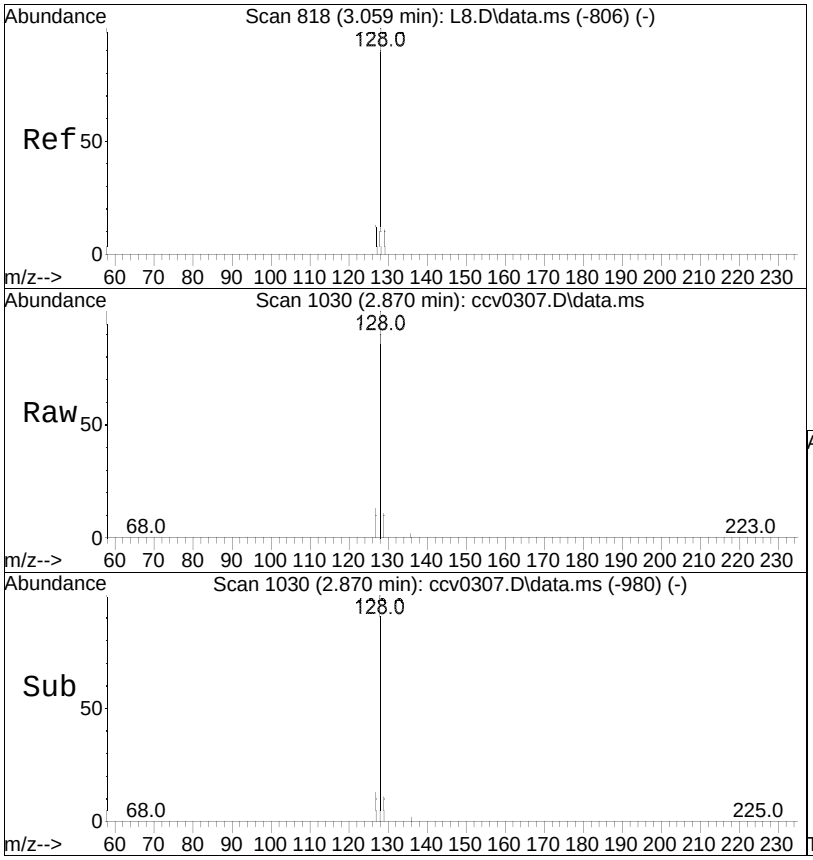


#7
Hexachloroethane
Concen: 963.69 ng/ml
RT: 2.458 min Scan# 752
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:117 Resp: 36121

Ion	Ratio	Lower	Upper
117	100		
201	95.0	79.3	118.9

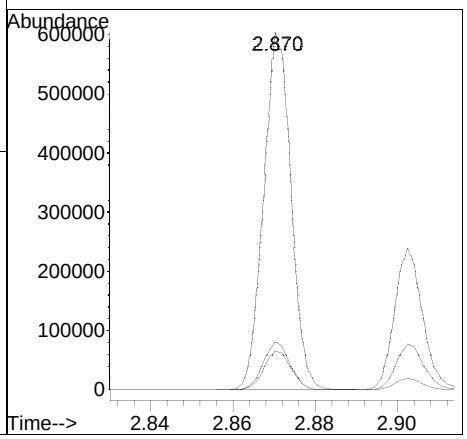


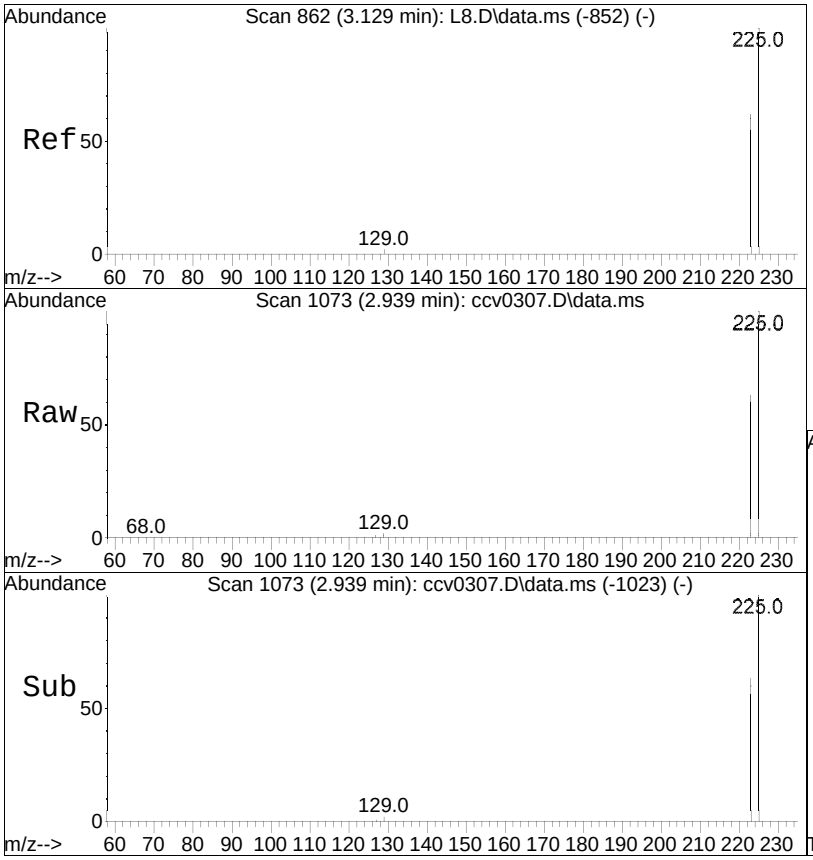


#10
Naphthalene
Concen: 901.86 ng/ml
RT: 2.870 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:128 Resp: 276233

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.2	10.5	15.7

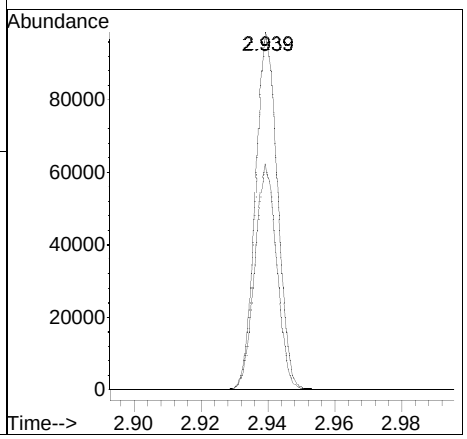


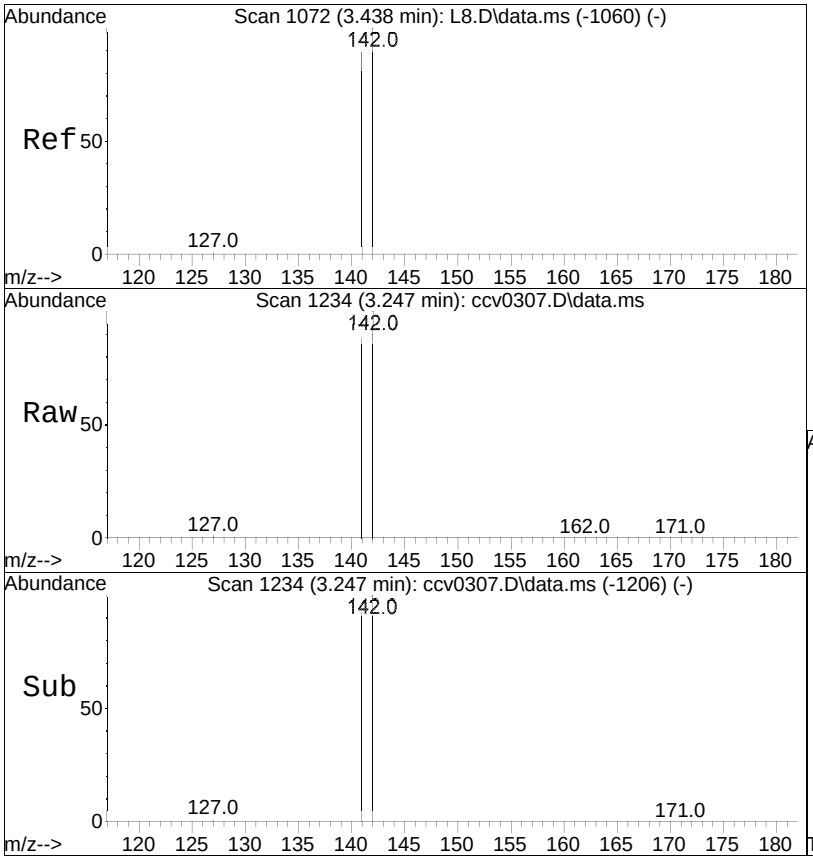


#11
Hexachlorobutadiene
Concen: 818.56 ng/ml
RT: 2.939 min Scan# 1073
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:225 Resp: 44122

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

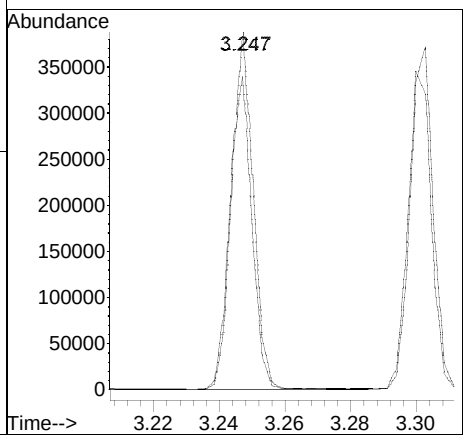


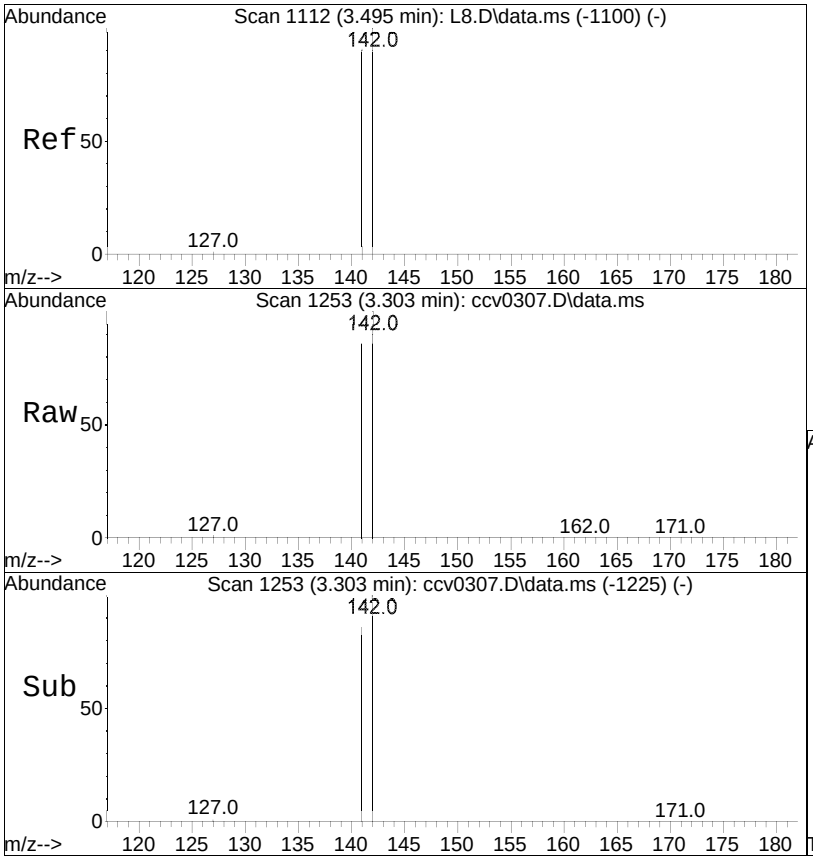


#12
2-Methylnaphthalene
Concen: 824.23 ng/ml
RT: 3.247 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:142 Resp: 176419

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9

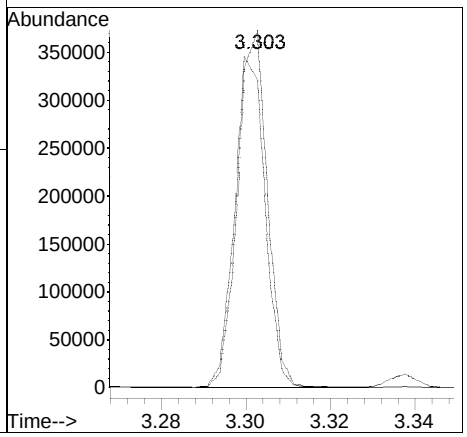


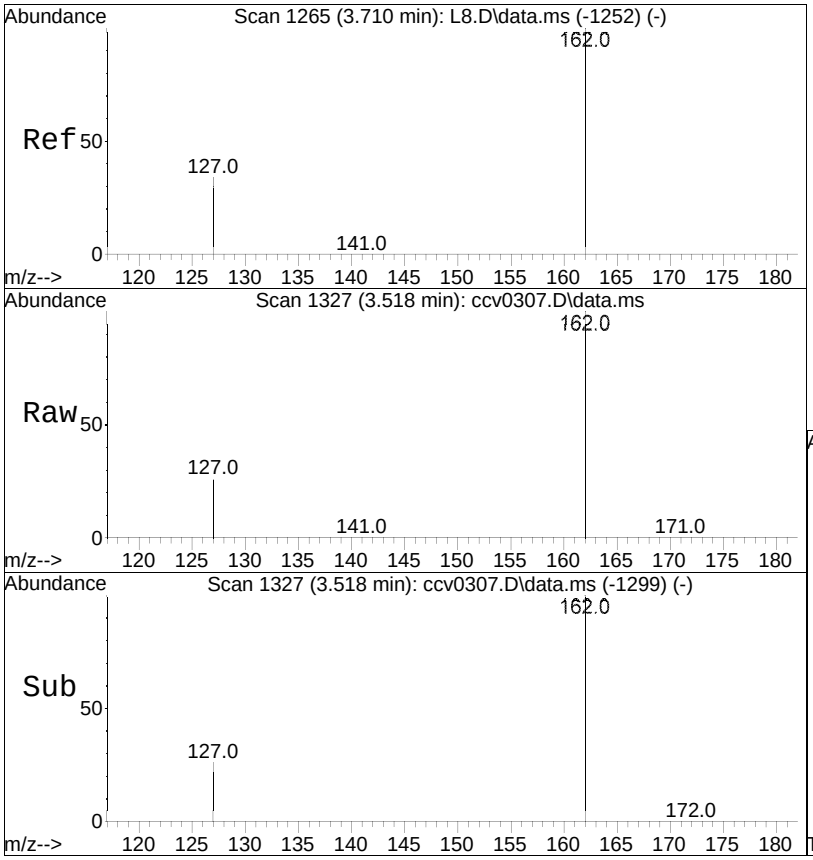


#13
1-Methylnaphthalene
Concen: 914.27 ng/ml
RT: 3.303 min Scan# 1253
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:142 Resp: 180186

Ion	Ratio	Lower	Upper
142	100		
141	94.8	73.8	110.6

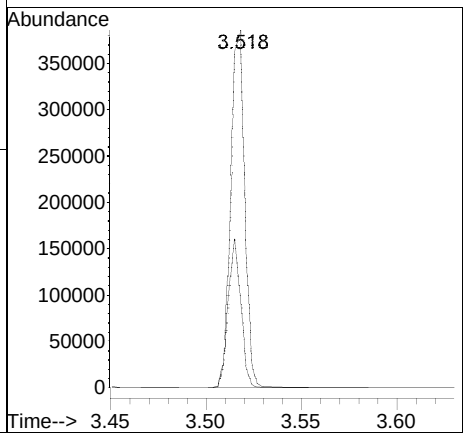


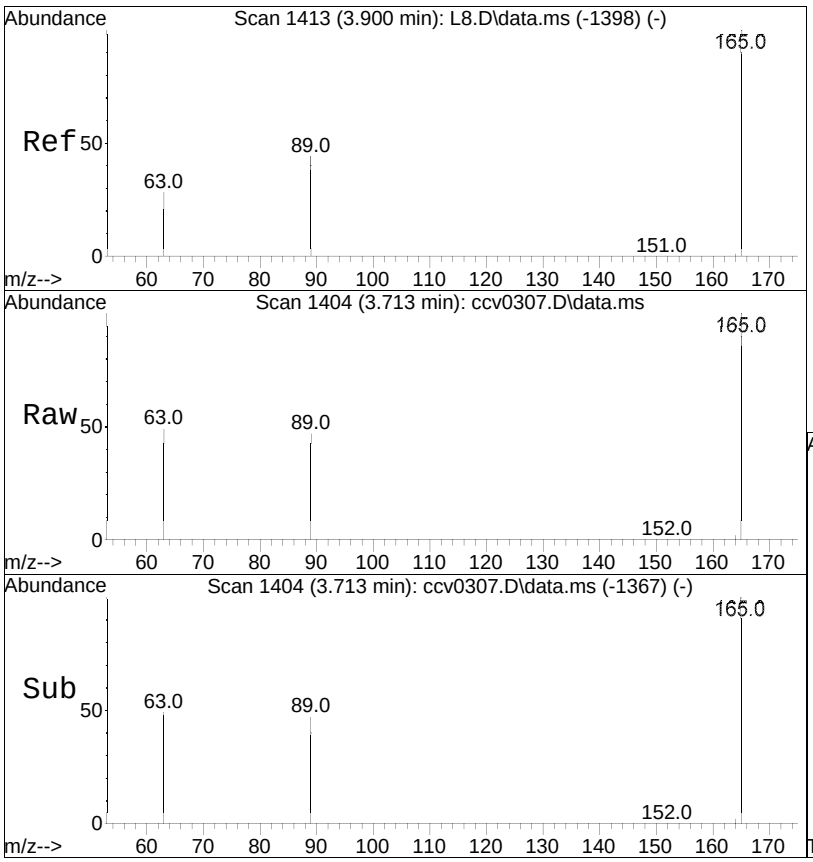


#15
2-Chloronaphthalene
Concen: 866.66 ng/ml
RT: 3.518 min Scan# 1327
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:162 Resp: 191583

Ion	Ratio	Lower	Upper
162	100		
127	38.2	27.4	41.0

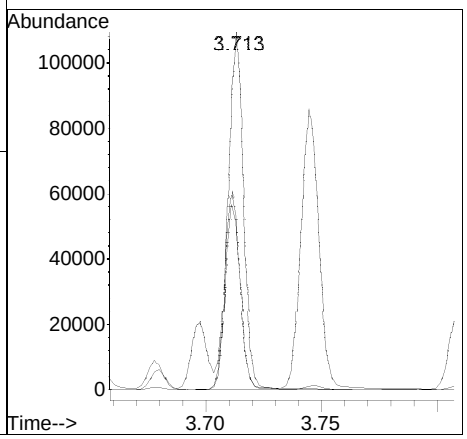


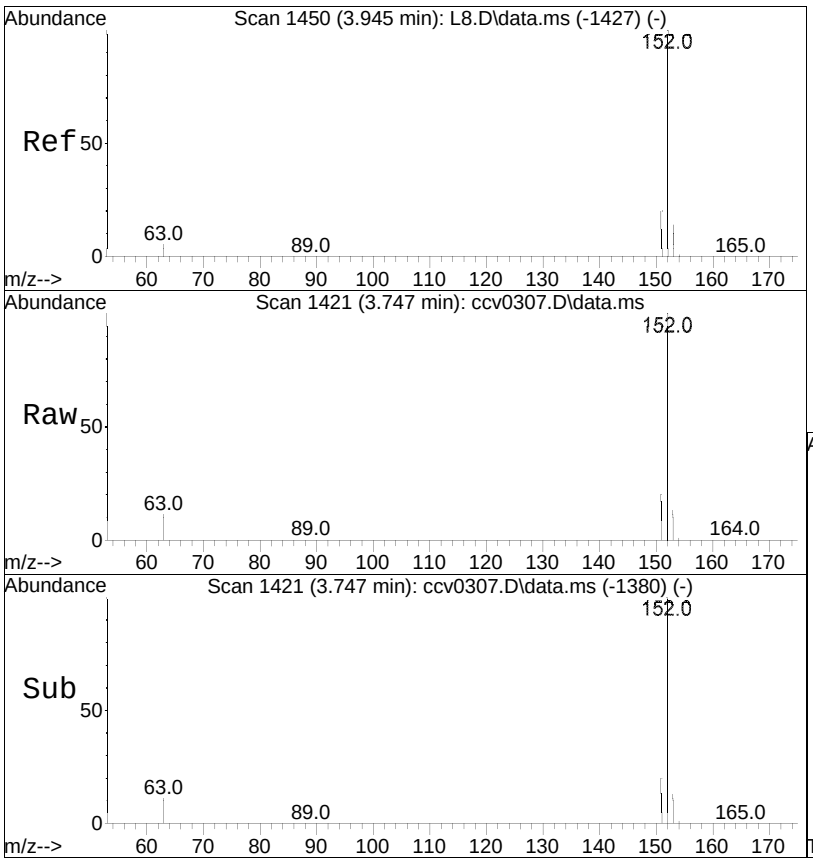


#16
2,6-Dinitrotoluene
Concen: 919.78 ng/ml
RT: 3.713 min Scan# 1404
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:165 Resp: 50107

Ion	Ratio	Lower	Upper
165	100		
89	52.5	37.8	56.8
63	55.8	36.9	55.3#

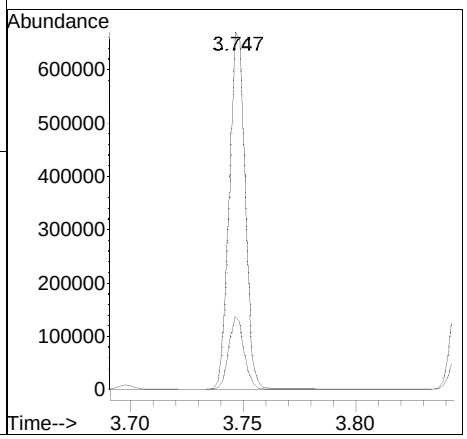


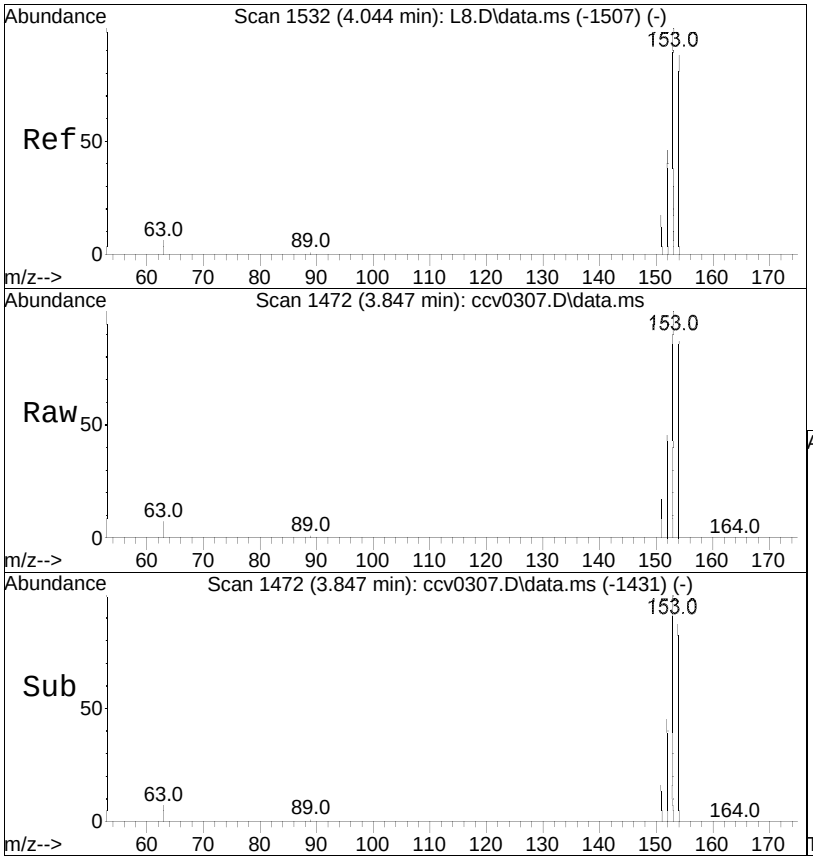


#17
Acenaphthylene
Concen: 948.87 ng/ml
RT: 3.747 min Scan# 1421
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:152 Resp: 324837

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9

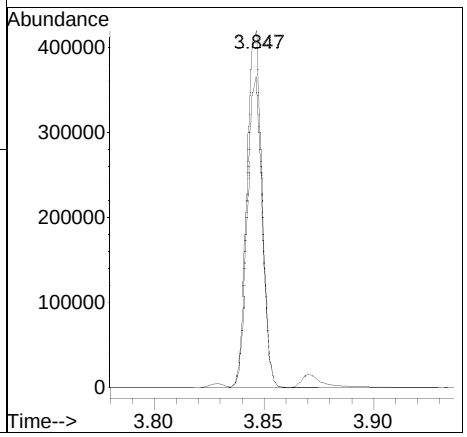


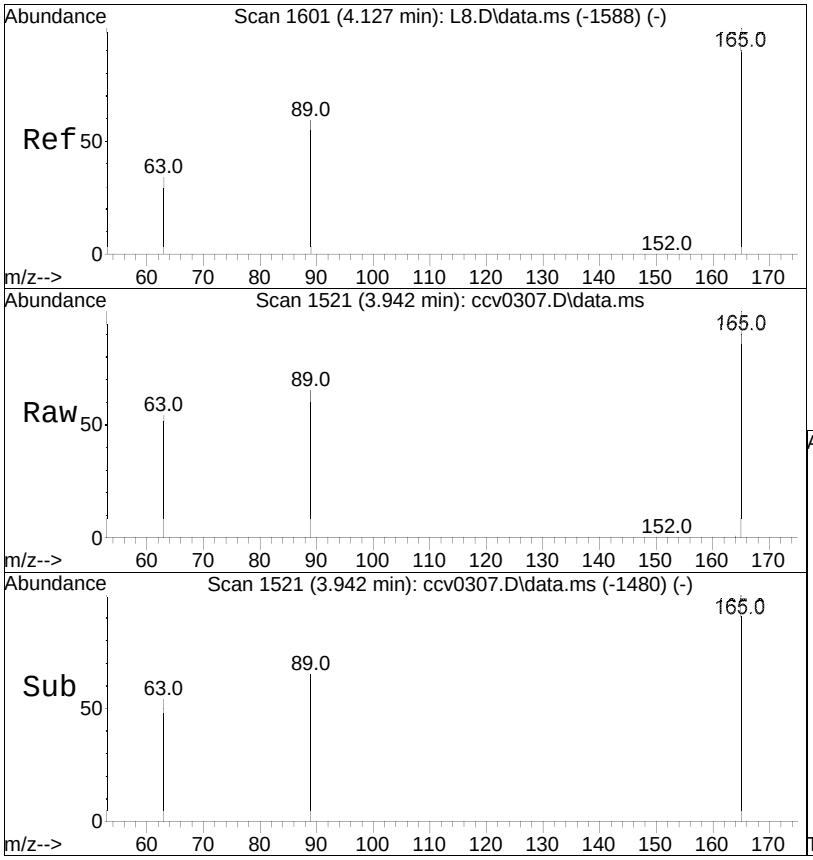


#19
Acenaphthene
Concen: 945.66 ng/ml
RT: 3.847 min Scan# 1472
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:153 Resp: 198279

Ion	Ratio	Lower	Upper
153	100		
154	85.0	73.1	109.7

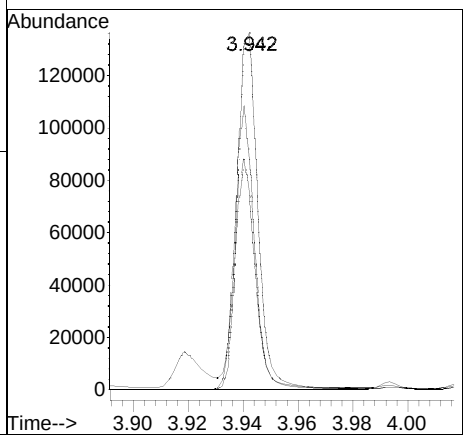


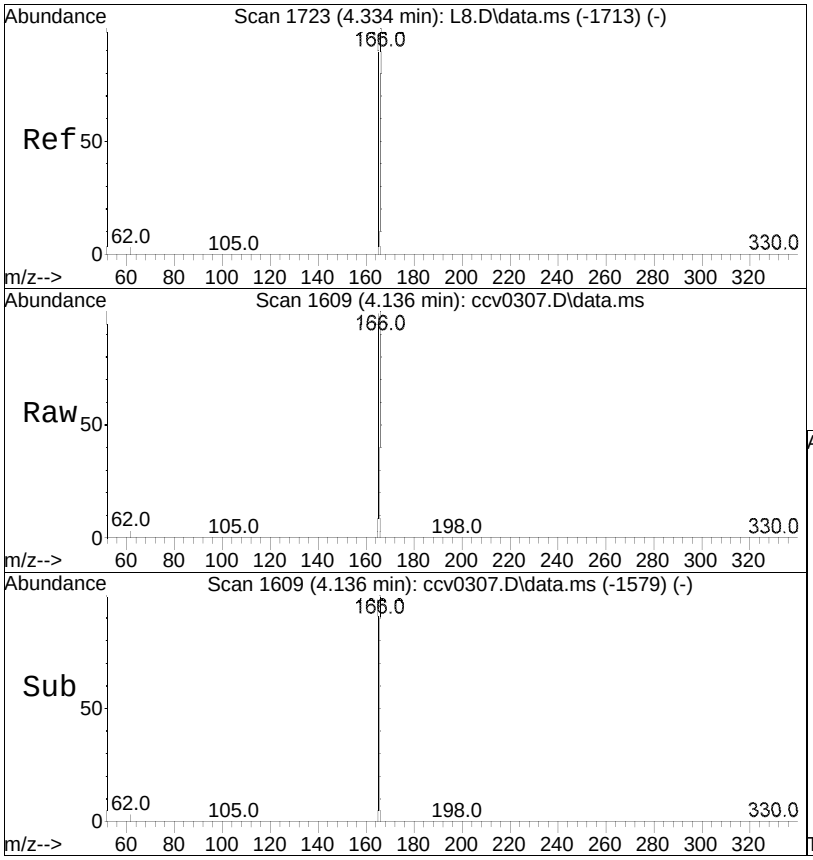


#20
2,4-Dinitrotoluene
Concen: 1048.52 ng/ml
RT: 3.942 min Scan# 1521
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:165 Resp: 69934

Ion	Ratio	Lower	Upper
165	100		
89	76.7	48.7	73.1#
63	64.3	28.6	42.8#

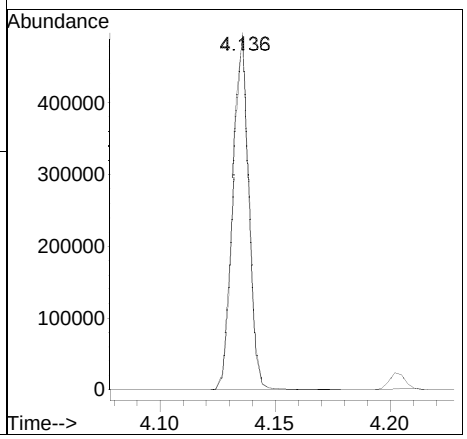


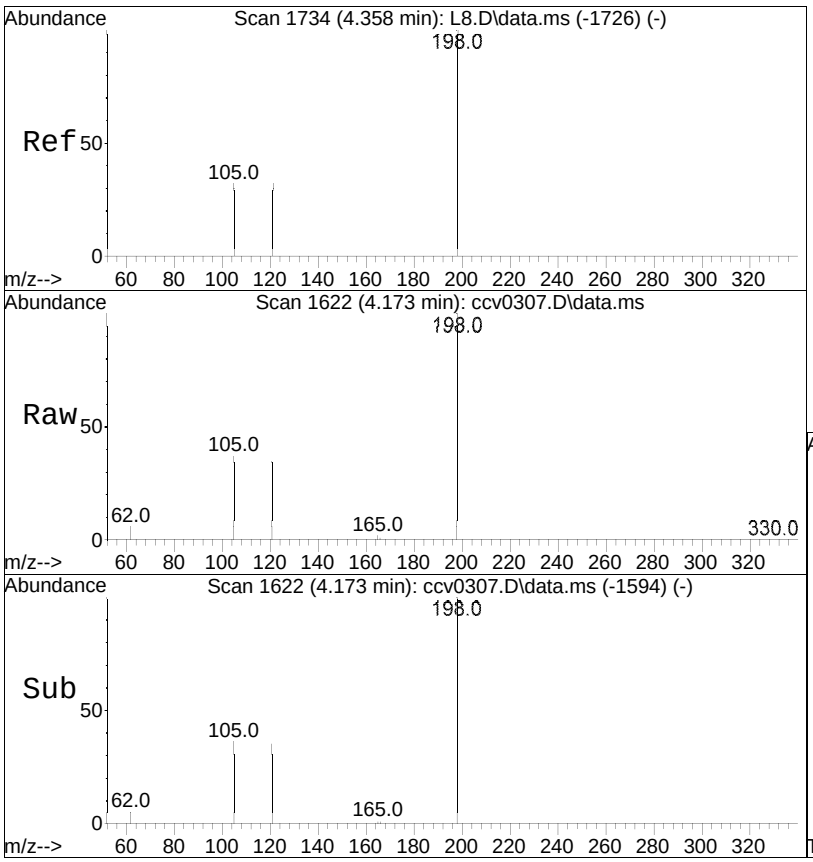


#21
Fluorene
Concen: 984.00 ng/ml
RT: 4.136 min Scan# 1609
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:166 Resp: 237041

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.8	116.8

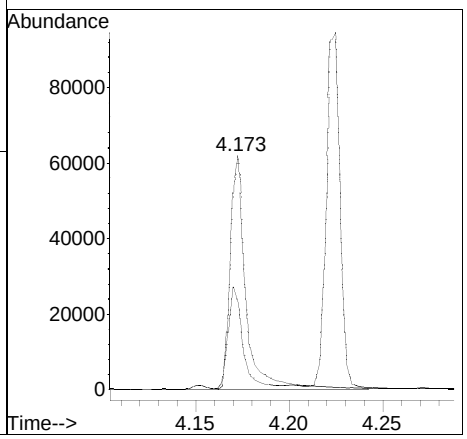


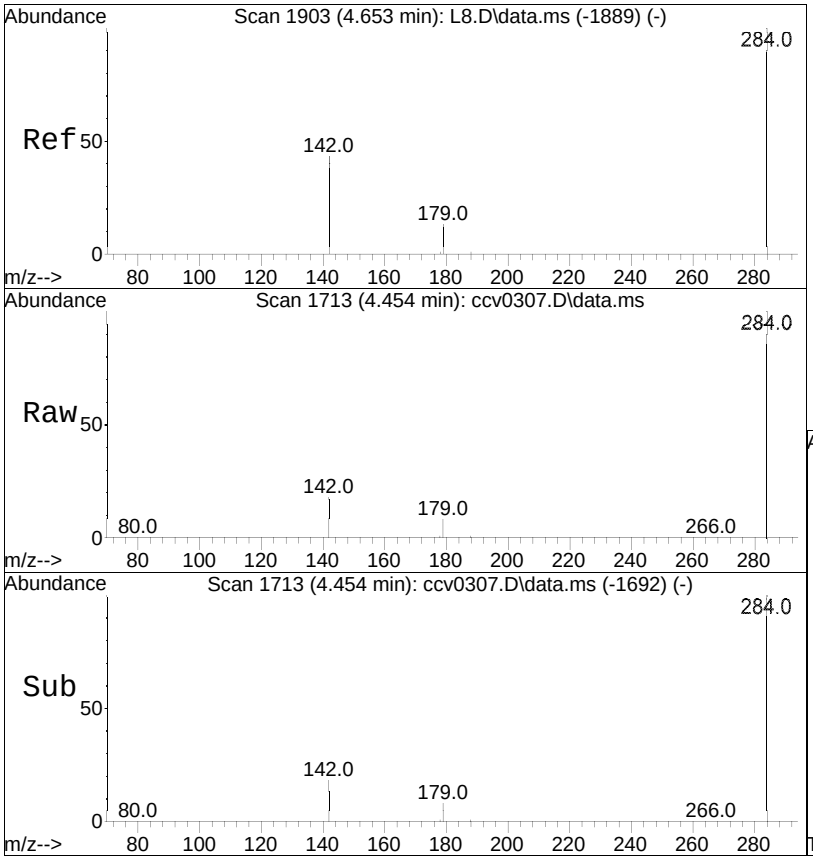


#24
4,6-Dinitro-o-cresol
Concen: 854.17 ng/ml
RT: 4.173 min Scan# 1622
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:198 Resp: 36849

Ion	Ratio	Lower	Upper
198	100		
105	40.4	30.6	45.8

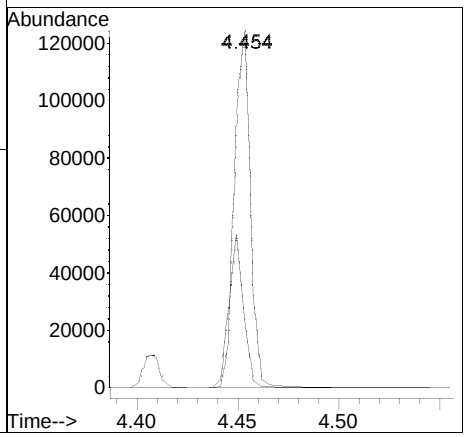


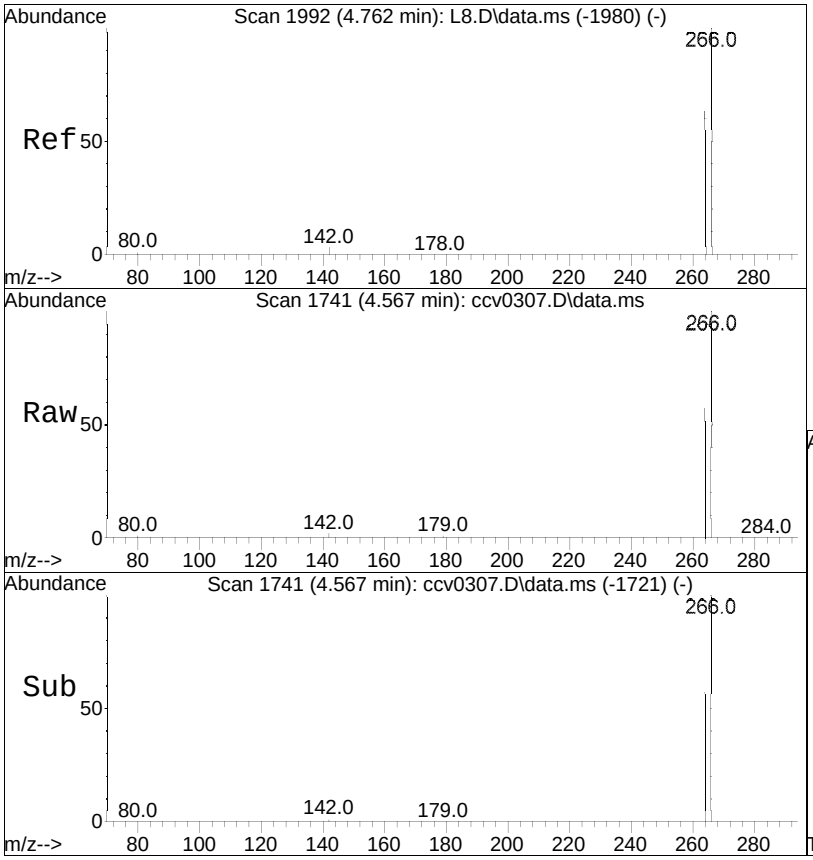


#25
Hexachlorobenzene
Concen: 867.53 ng/ml
RT: 4.454 min Scan# 1713
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:284 Resp: 67533

Ion	Ratio	Lower	Upper
284	100		
142	39.6	33.8	50.6

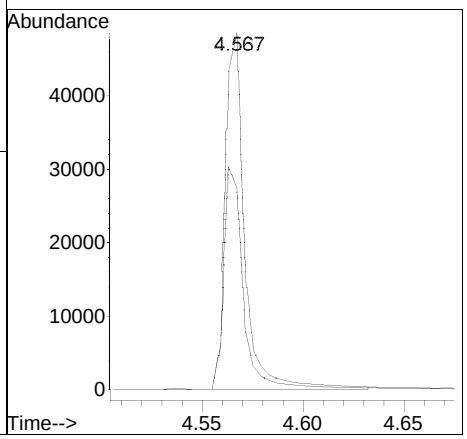


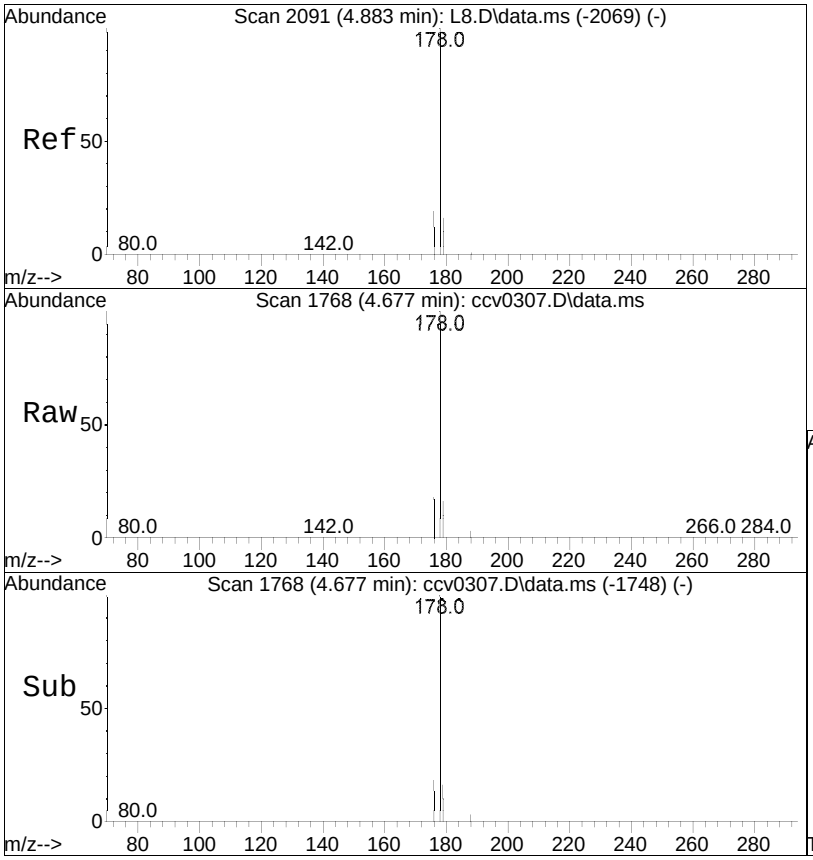


#26
Pentachlorophenol
Concen: 823.29 ng/ml
RT: 4.567 min Scan# 1741
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:266 Resp: 32143

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.8	76.2

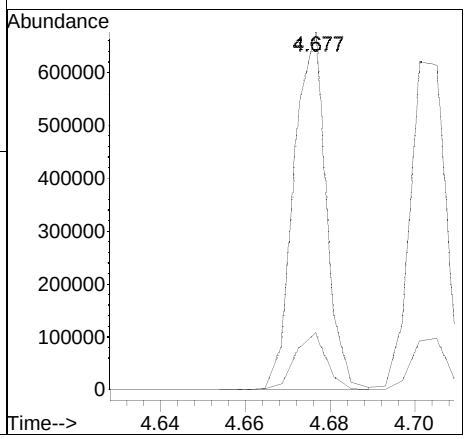


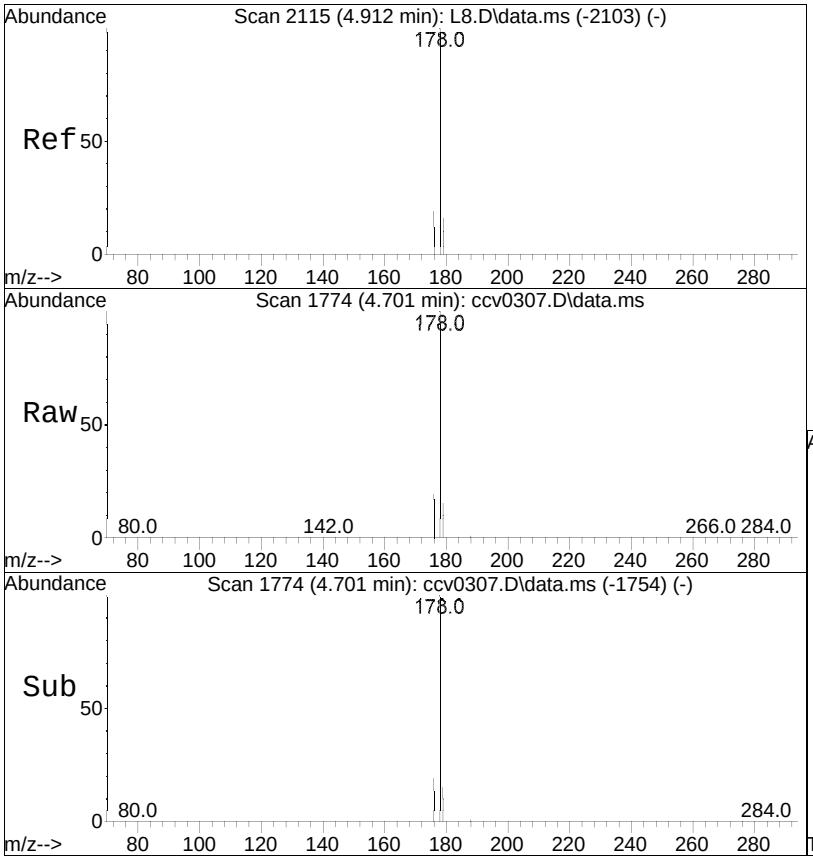


#27
Phenanthrene
Concen: 926.74 ng/ml
RT: 4.677 min Scan# 1768
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:178 Resp: 357849

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2

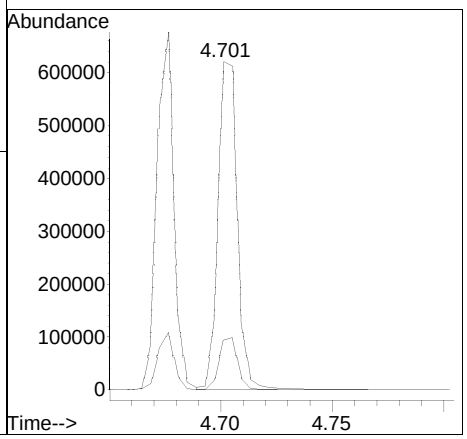


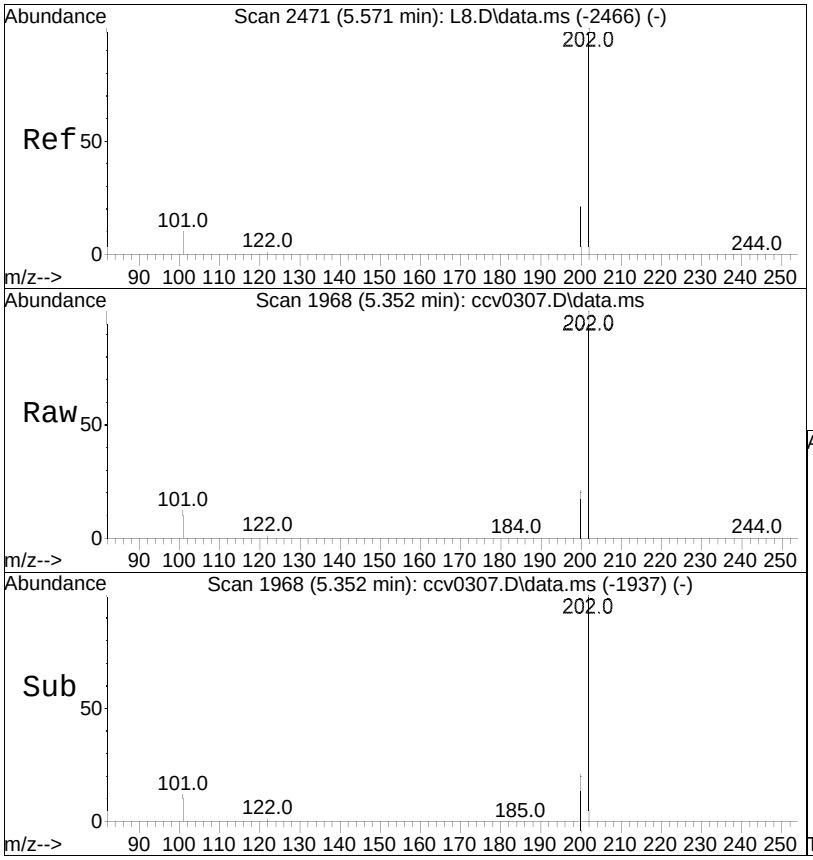


#28
Anthracene
Concen: 963.66 ng/ml
RT: 4.701 min Scan# 1774
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:178 Resp: 373074

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8

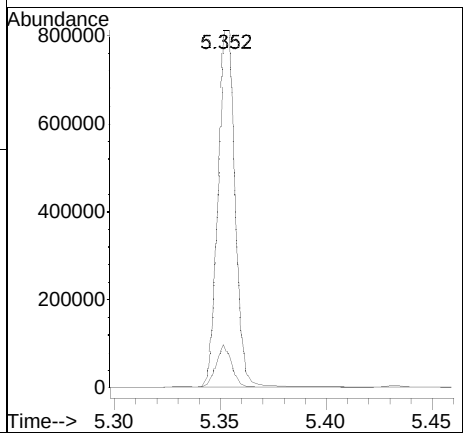


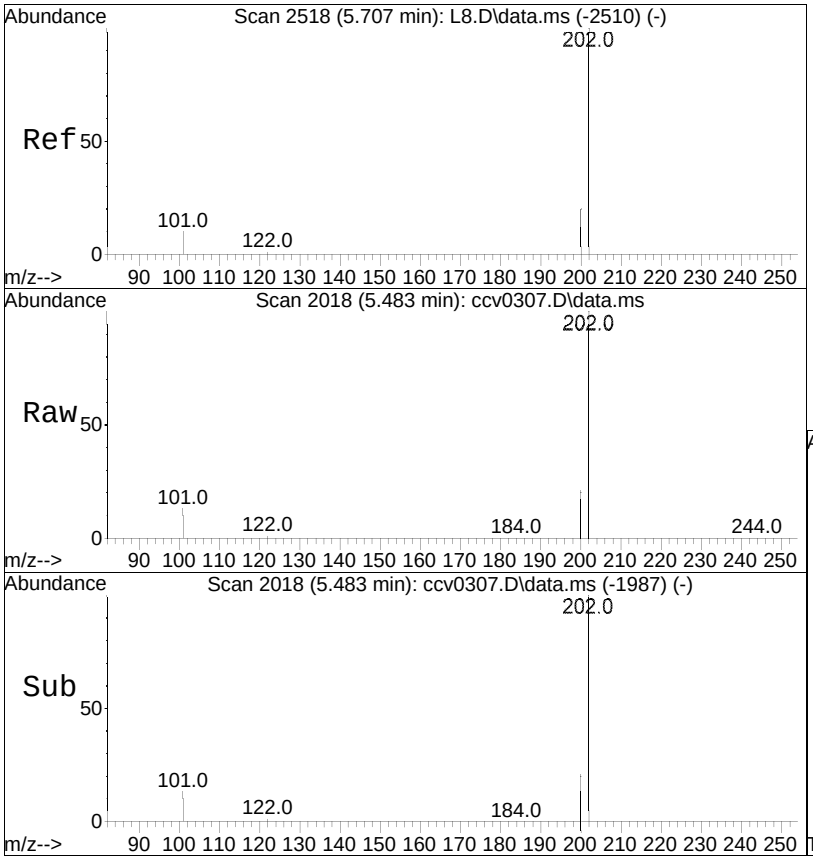


#29
Fluoranthene
Concen: 932.80 ng/ml
RT: 5.352 min Scan# 1968
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:202 Resp: 450631

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.2	12.2

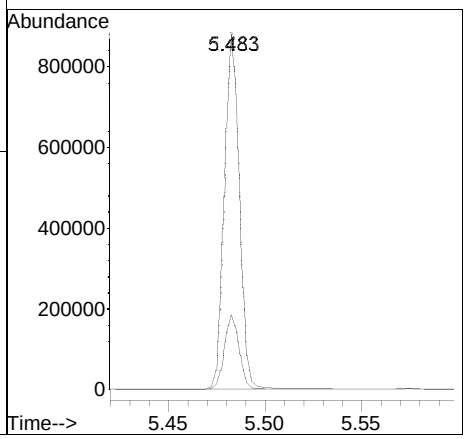


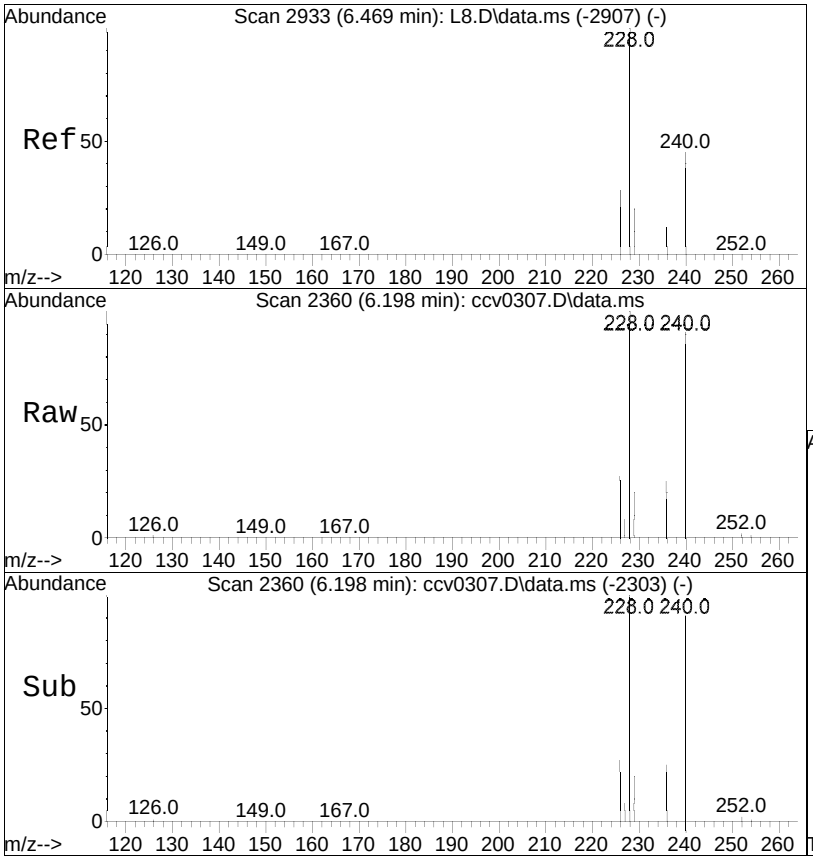


#30
Pyrene
Concen: 938.99 ng/ml
RT: 5.483 min Scan# 2018
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:202 Resp: 468220

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3

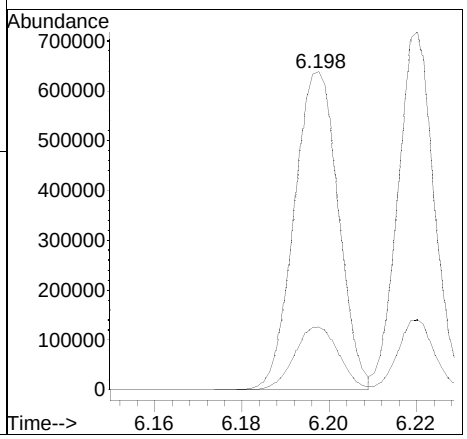


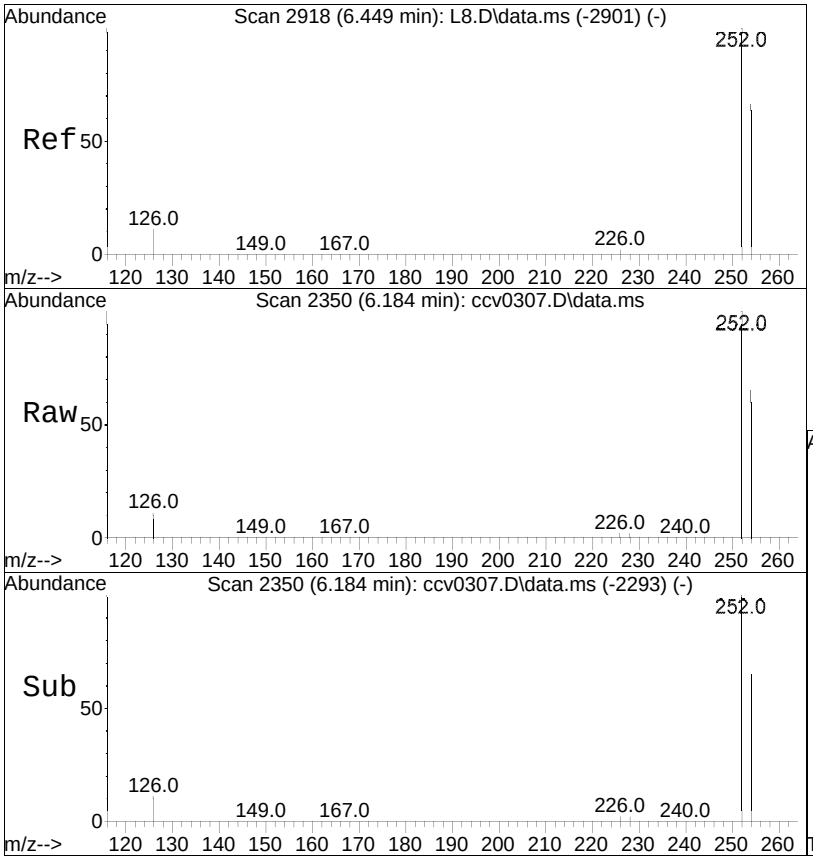


#34
Benzo[a]anthracene
Concen: 963.78 ng/ml
RT: 6.198 min Scan# 2360
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:228 Resp: 448306

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

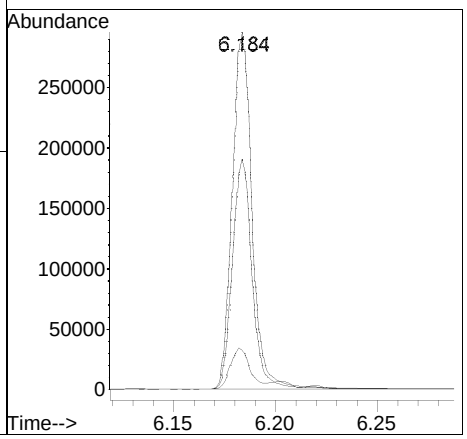


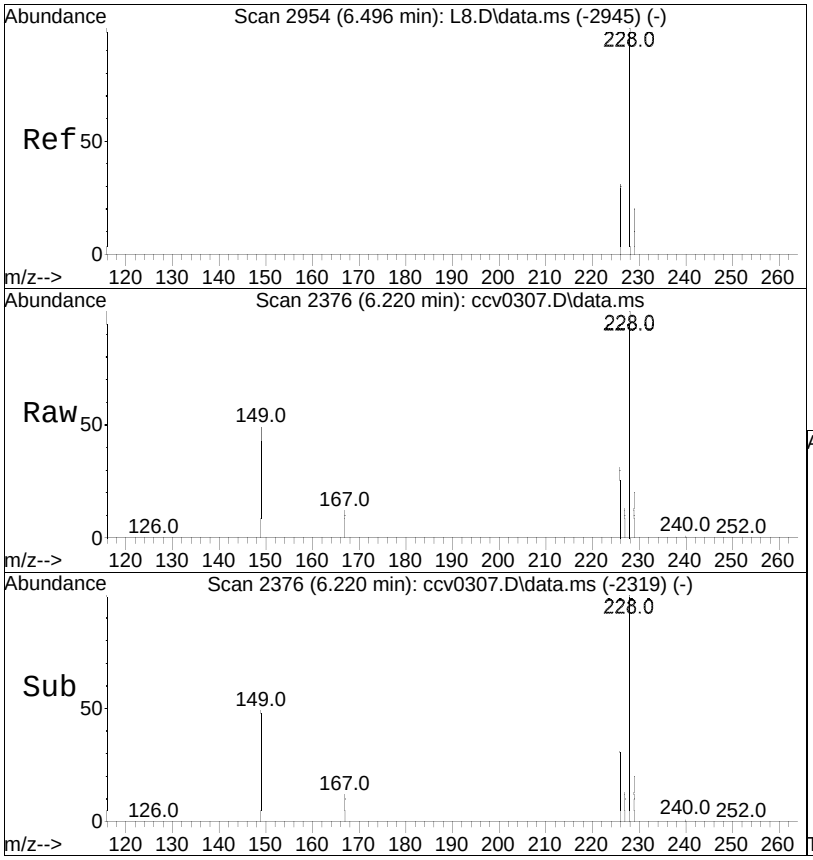


#35
3,3'-Dichlorobenzidine
Concen: 1184.27 ng/ml
RT: 6.184 min Scan# 2350
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:252 Resp: 196217

Ion	Ratio	Lower	Upper
252	100		
126	11.6	8.6	13.0
254	64.6	51.8	77.8

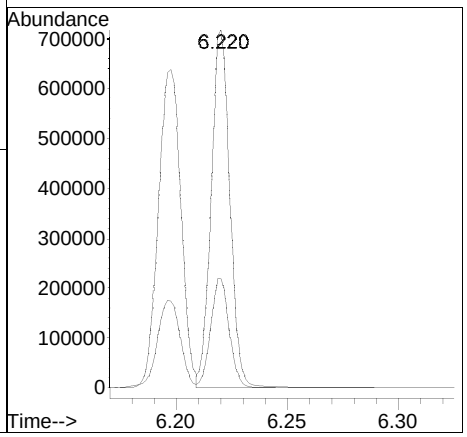


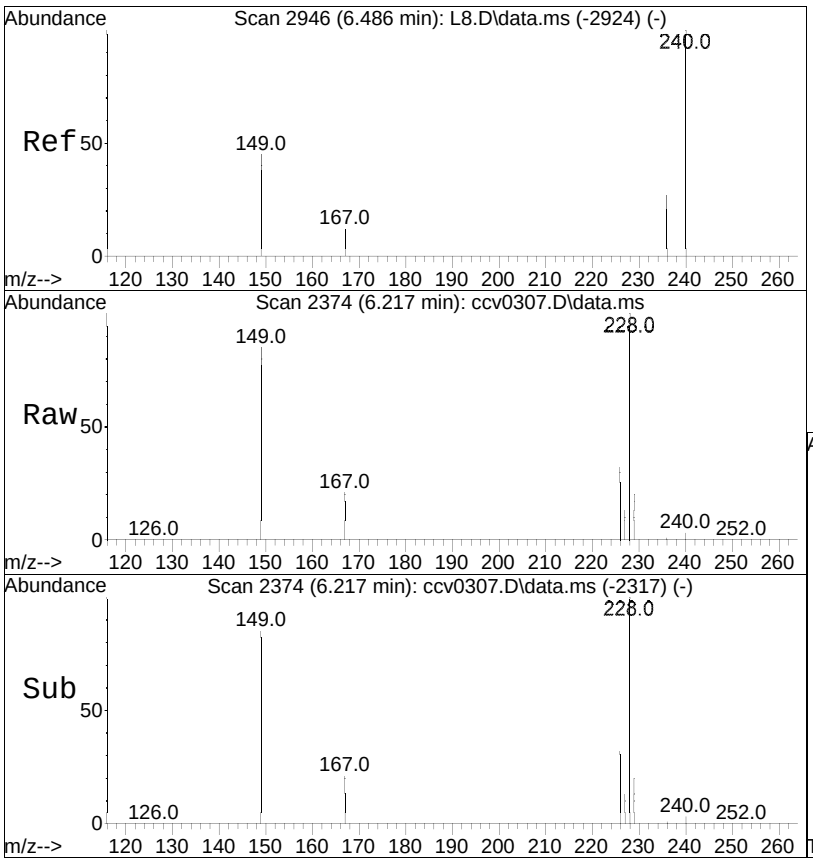


#36
Chrysene
Concen: 923.36 ng/ml
RT: 6.220 min Scan# 2376
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:228 Resp: 417360

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6

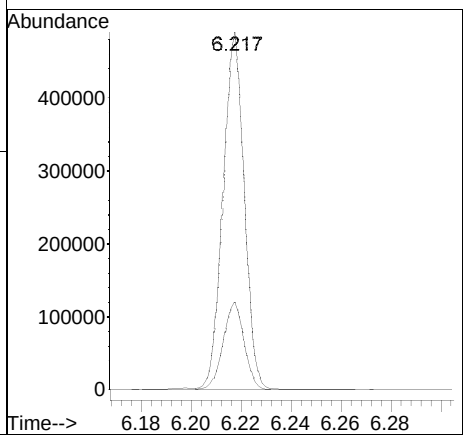


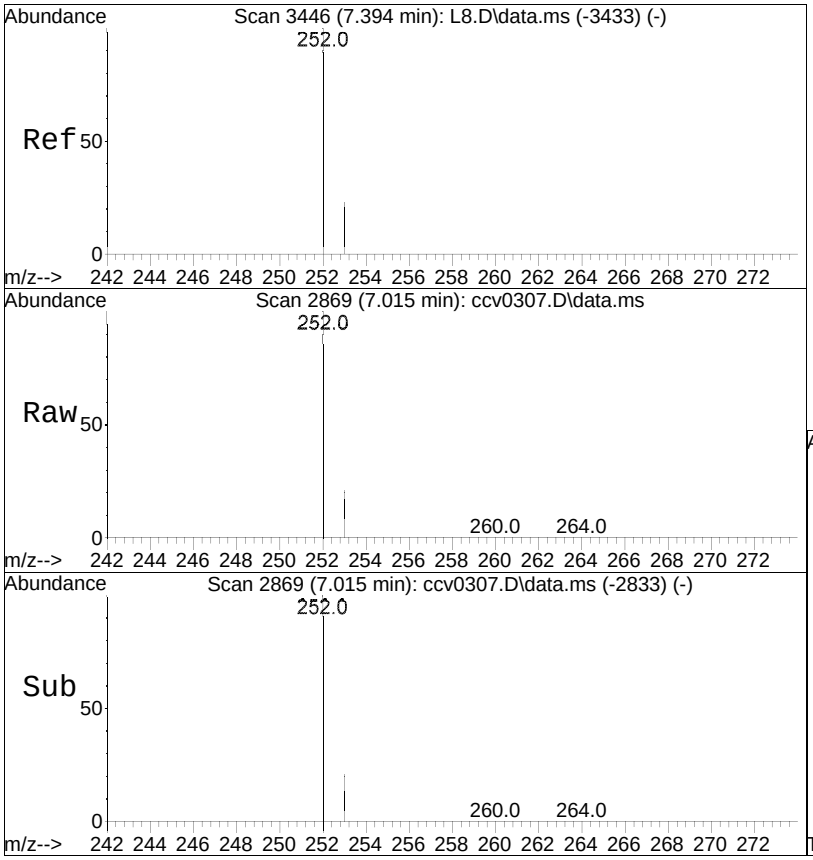


#37
Bis(2-ethylhexyl)phthalate
Concen: 1216.21 ng/ml
RT: 6.217 min Scan# 2374
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:149 Resp: 285184

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.7	31.1

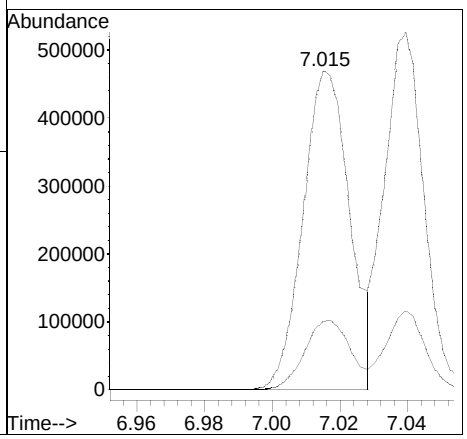


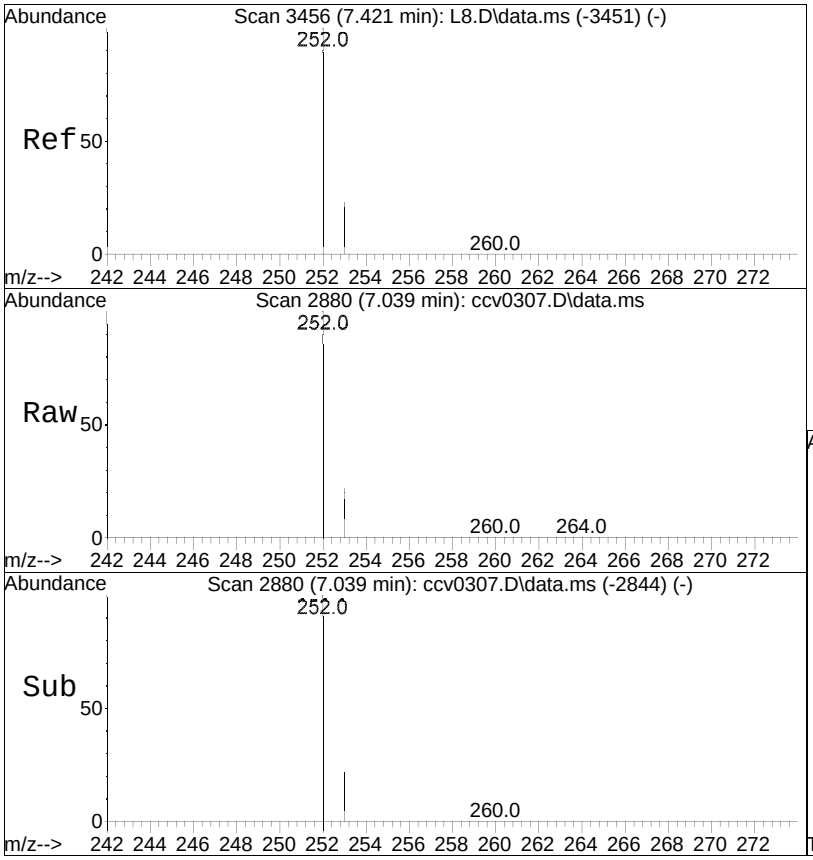


#39
Benzo[b]fluoranthene
Concen: 1005.93 ng/ml
RT: 7.015 min Scan# 2869
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:252 Resp: 450312

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1

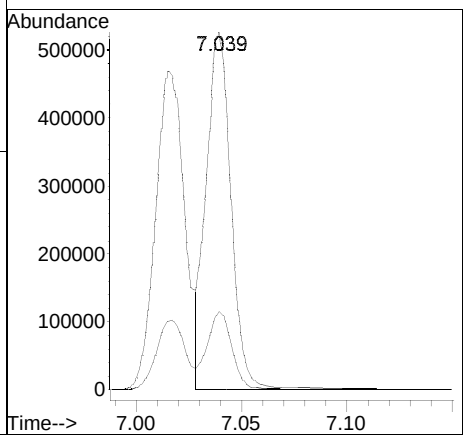


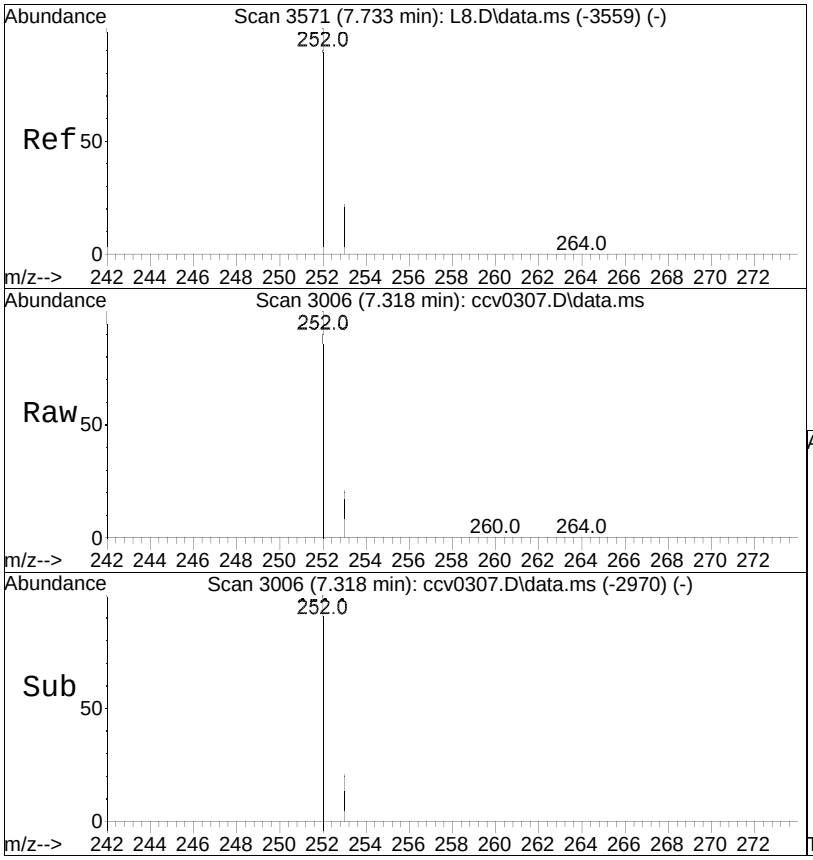


#40
Benzo[k]fluoranthene
Concen: 968.27 ng/ml
RT: 7.039 min Scan# 2880
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:252 Resp: 427443

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2

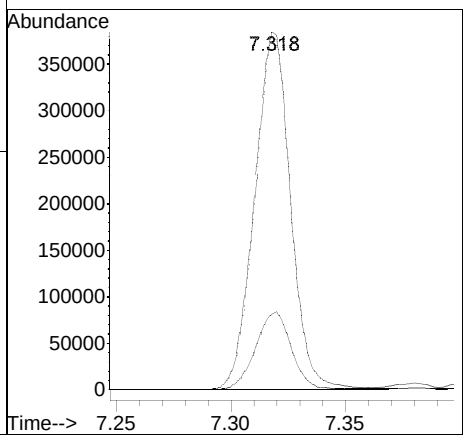


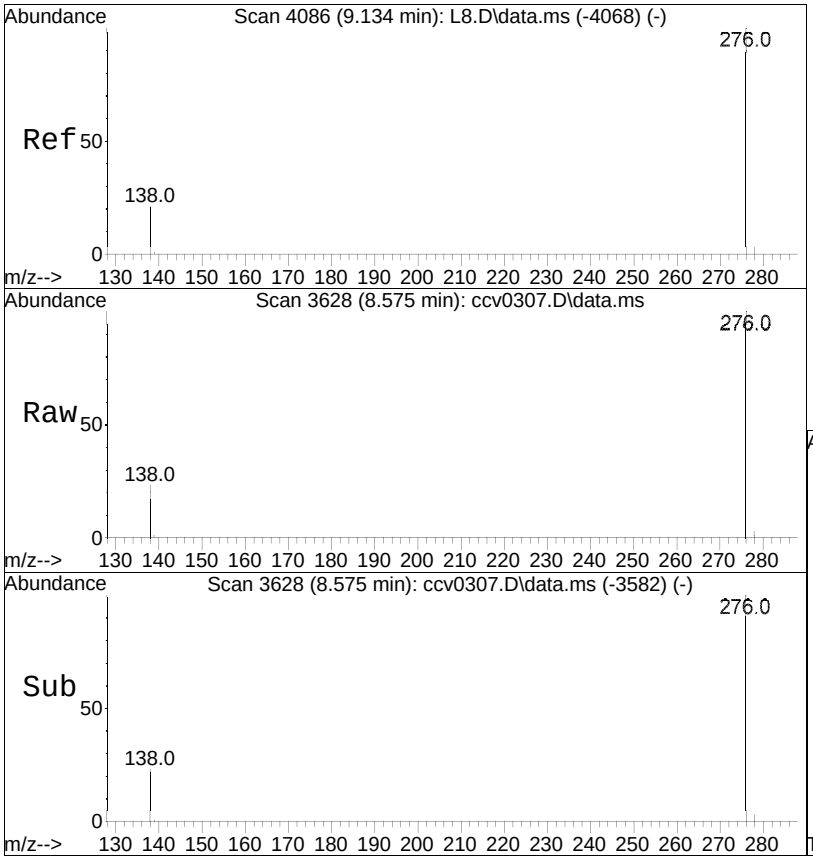


#41
Benzo[a]pyrene
Concen: 1089.94 ng/ml
RT: 7.318 min Scan# 3006
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:252 Resp: 414011

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9

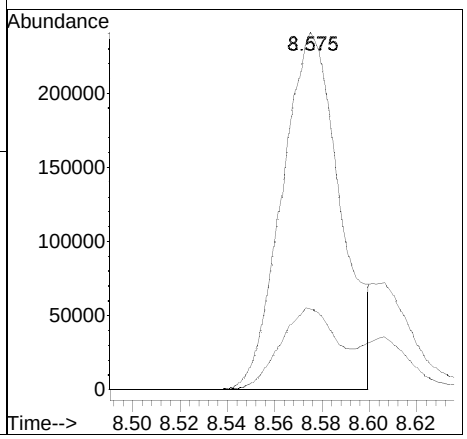


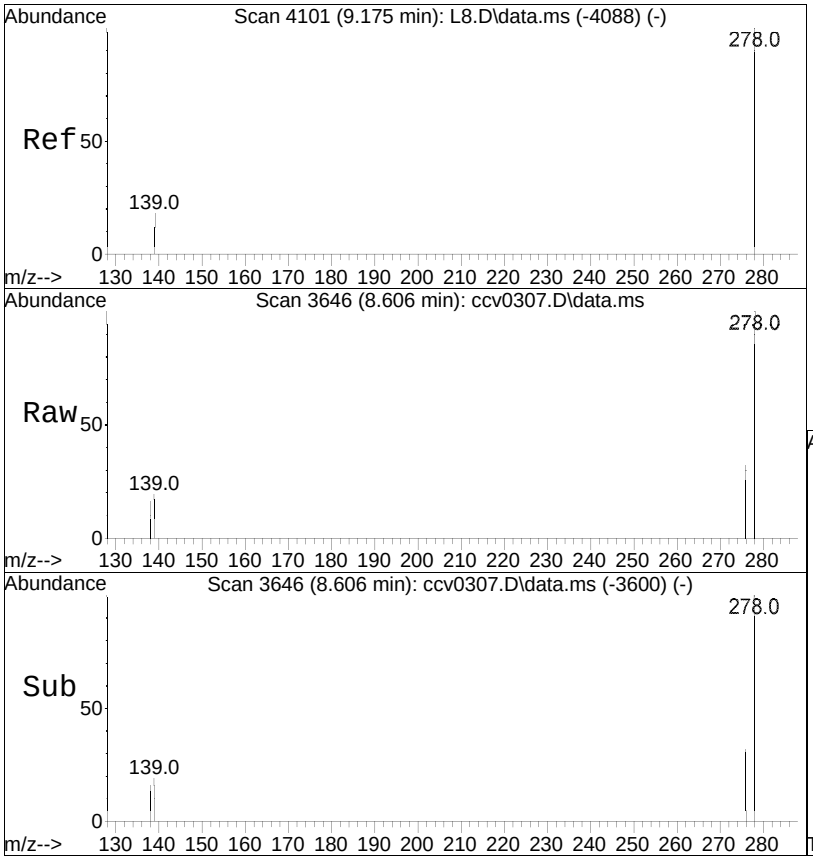


#42
Indeno[1,2,3-cd]pyrene
Concen: 1106.85 ng/ml
RT: 8.575 min Scan# 3628
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:276 Resp: 407033

Ion	Ratio	Lower	Upper
276	100		
138	22.3	16.9	25.3

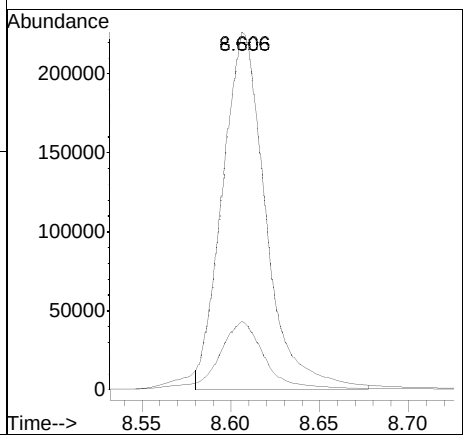


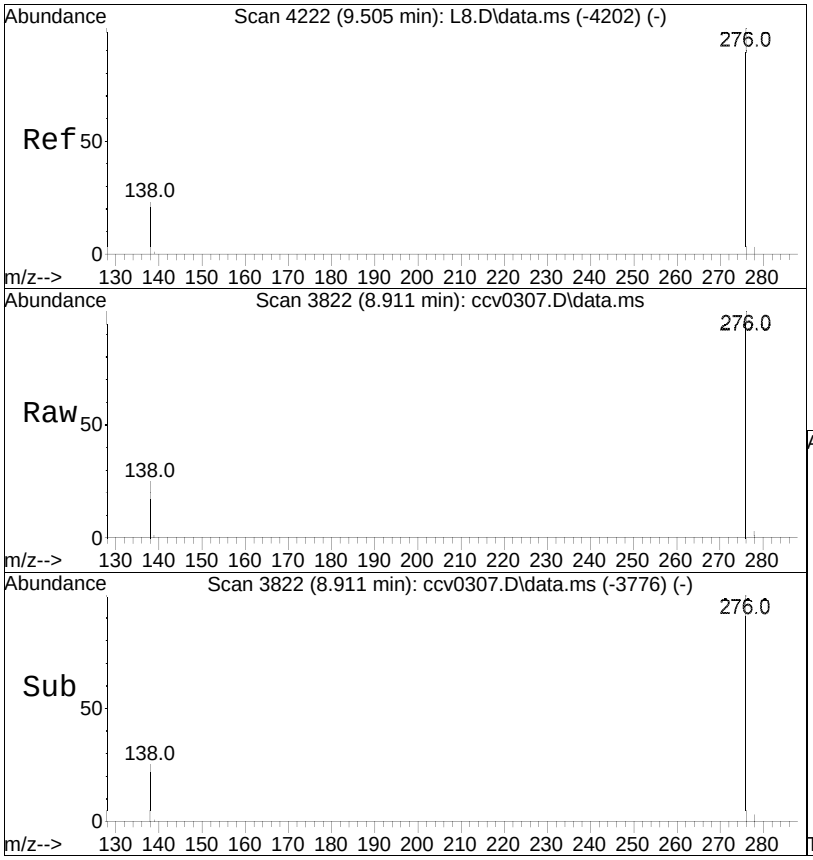


#43
Dibenzo[a,h]anthracene
Concen: 1120.74 ng/ml M6
RT: 8.606 min Scan# 3646
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:278 Resp: 382333

Ion	Ratio	Lower	Upper
278	100		
139	19.9	14.6	22.0

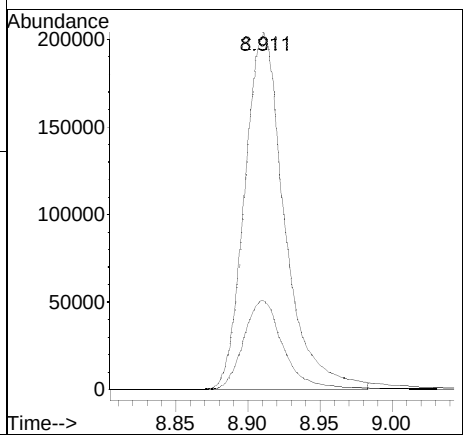




#44
Benzo[g,h,i]perylene
Concen: 1106.15 ng/ml
RT: 8.911 min Scan# 3822
Delta R.T. 0.000 min
Lab File: ccv0307.D
Acq: 07 Mar 2025 08:50 am

Tgt Ion:276 Resp: 387160

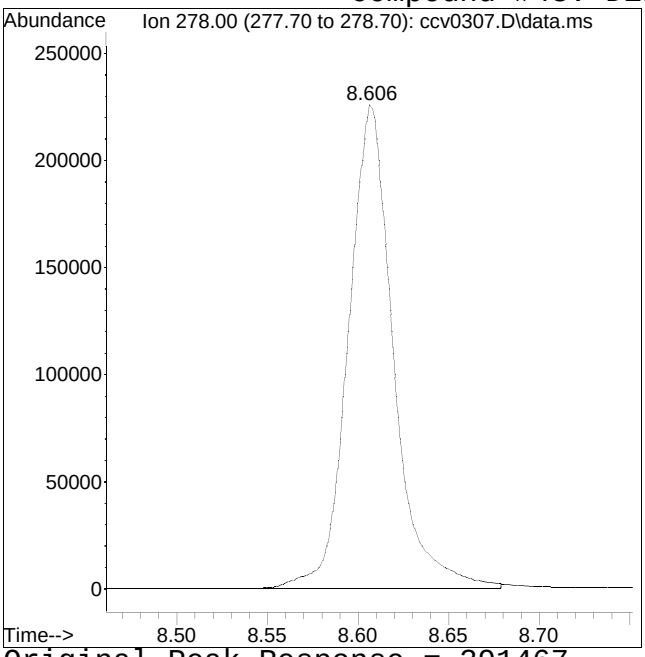
Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.6	28.0



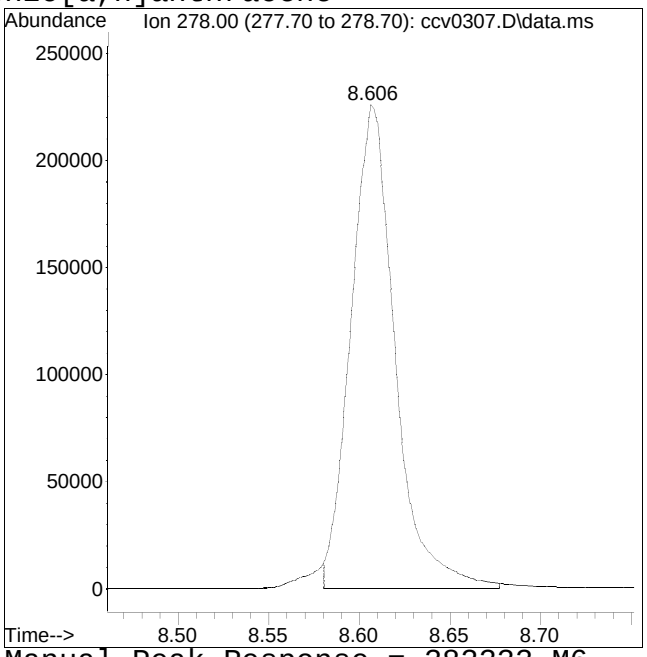
Manual Integration Report

Data Path : I:\8270SIM\sv119\250307RVTQ
Data File : ccv0307.D
Date Inj'd : 3/7/2025 8:50 am
Sample : WG2037750-3,32,,ICV 11275
Method : SIM-RVT_241229_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 3/7/2025 9:06 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 391467



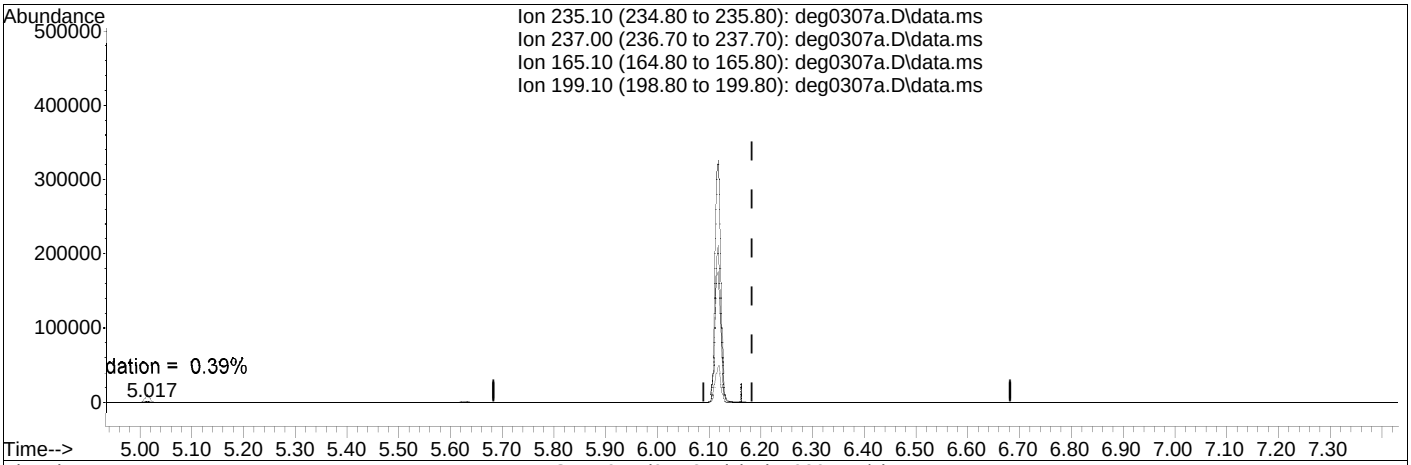
Manual Peak Response = 382333 M6

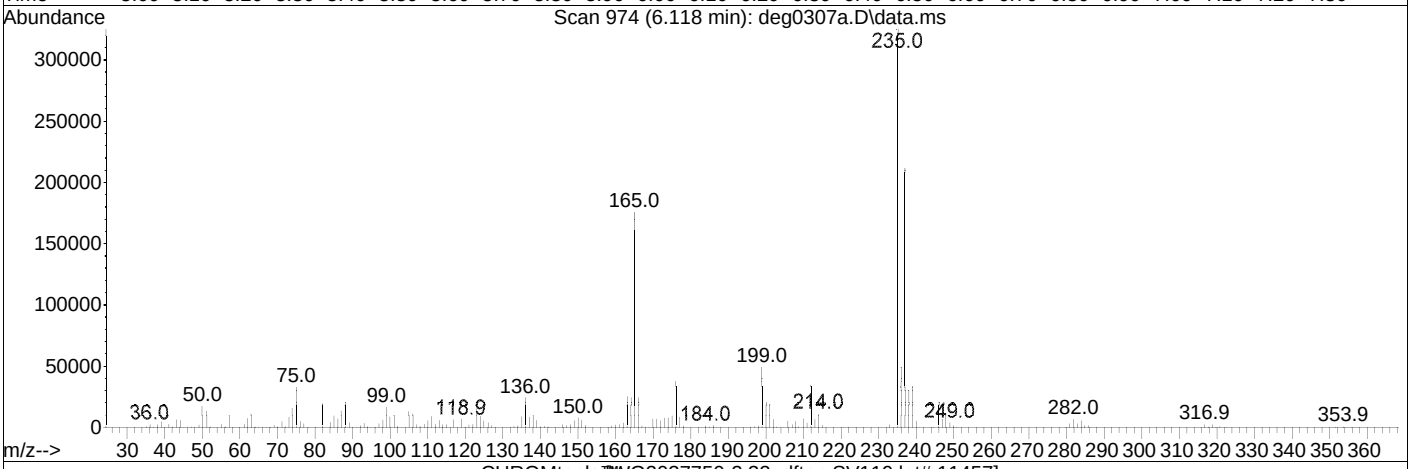
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : deg0307a.D
Acq On : 07 Mar 2025 08:32 am
Operator : sv119:rp
Sample : WG2037750-2,32,,dftpp SV119 lot# 11457
Misc : WG2037750,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 07 08:45:56 2025
Quant Method : I:\8270SIM\sv119\250307RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2037750-2,32,,dftpp SV119 lot# 11457]

(6) ddt (T)

6.118min (-0.065) 40.07

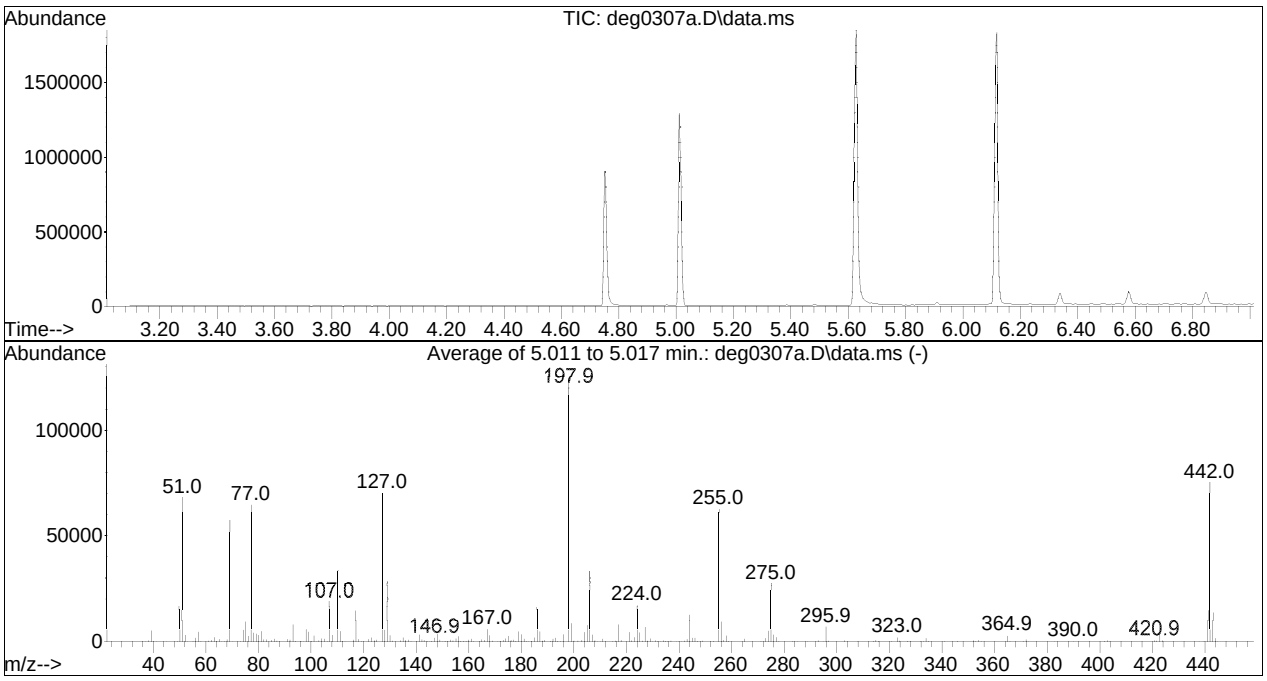
response 244226

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.22
165.10	53.30	55.43
199.10	17.10	15.33

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : deg0307a.D
Acq On : 07 Mar 2025 08:32 am
Operator : sv119:rp
Sample : WG2037750-1,32,,dftpp SV119 lot# 11457
Misc : WG2037750,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250307RVT\SIM-RVT_241229_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Mar 07 09:06:25 2025



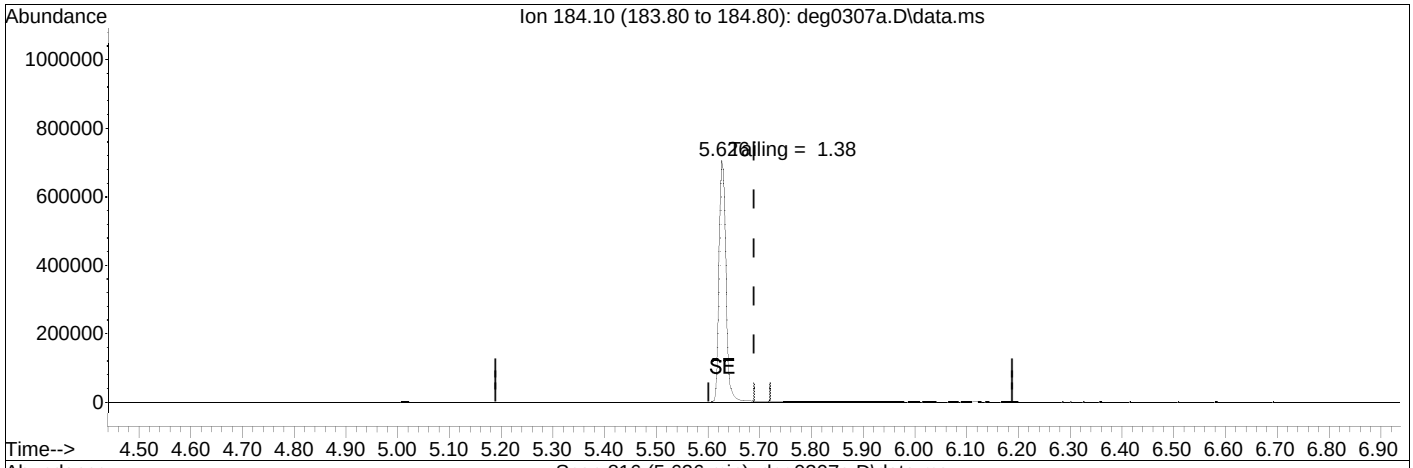
Spectrum Information: Average of 5.011 to 5.017 min.

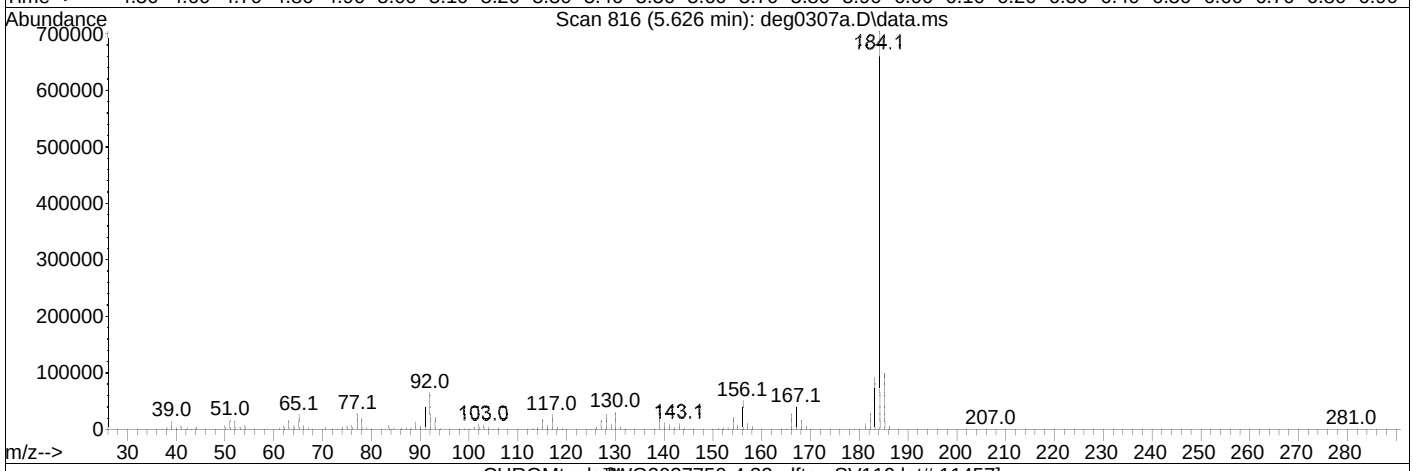
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.5	68095	PASS
68	69	0.00	2	2.0	1120	PASS
69	69	100	100	100.0	57307	PASS
70	69	0.00	2	0.4	255	PASS
127	198	10	80	56.3	70277	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	124931	PASS
199	198	5	9	6.8	8525	PASS
275	198	10	60	21.9	27357	PASS
365	198	1	100	2.2	2778	PASS
441	442	0.01	24	19.7	14792	PASS
442	198	50	100	60.1	75091	PASS
443	442	15	24	18.3	13726	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : deg0307a.D
Acq On : 07 Mar 2025 08:32 am
Operator : sv119:rp
Sample : WG2037750-4,32,,dftpp SV119 lot# 11457
Misc : WG2037750,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 07 08:45:56 2025
Quant Method : I:\8270SIM\sv119\250307RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2037750-4,32,,dftpp SV119 lot# 11457]

(3) benzidine (T)

5.626min (-0.063) 60.16

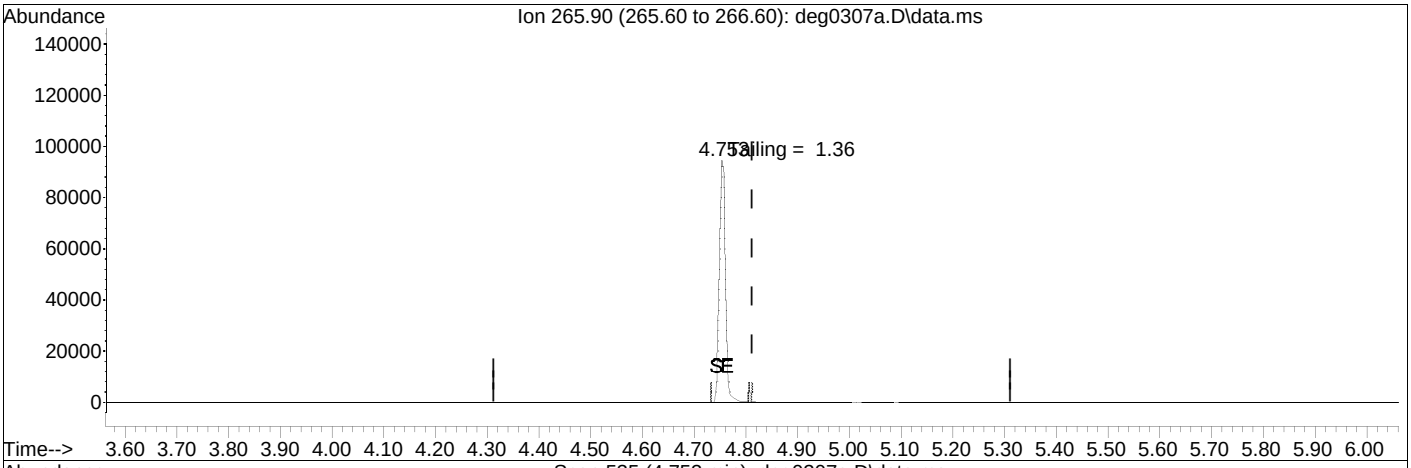
response 612407

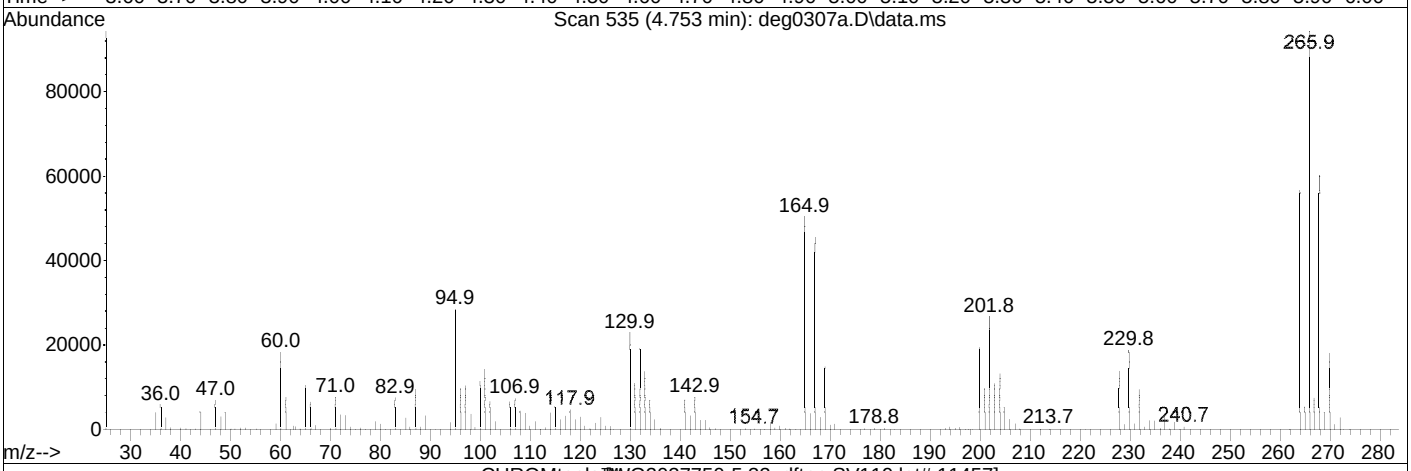
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : deg0307a.D
Acq On : 07 Mar 2025 08:32 am
Operator : sv119:rp
Sample : WG2037750-5,32,,dftpp SV119 lot# 11457
Misc : WG2037750,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 07 08:45:56 2025
Quant Method : I:\8270SIM\sv119\250307RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG2037750-5,32,,dftpp SV119 lot# 11457]

(1) pentachlorophenol (T)

4.753min (-0.059) 34.53

response 72533

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

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/06/25 06:40		
Lab File ID	: CCV0306	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037227-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	96	0
2-Fluorophenol	1.072	1.135	.05	-5.9	20	100	0
Phenol-d6	1.338	1.443	.05	-7.8	20	101	0
Bis(2-chloroethyl)ether	1.235	1.227	.05	0.6	20	101	0
n-nitrosodi-n-propylamine	0.827	0.881	.05	-6.5	20	101	0
Hexachloroethane	0.518	0.491	.05	5.2	20	94	0
Nitrobenzene-d5	1.297	1.289	.05	0.6	20	96	0
Naphthalene-d8	1	1	.05	0	20	103	0
Naphthalene	1.116	1	.05	10.4	20	98	0
Hexachlorobutadiene	0.196	0.155	.05	20.9*	20	85	0
2-Methylnaphthalene	0.78	0.641	.05	17.8	20	88	0
1-Methylnaphthalene	0.718	0.668	.05	7	20	100	0
2-Fluorobiphenyl	0.975	0.826	.05	15.3	20	92	0
2-Chloronaphthalene	0.805	0.709	.05	11.9	20	94	0
2,6-Dinitrotoluene	0.198	0.185	.05	6.6	20	93	0
Acenaphthylene	1.247	1.192	.05	4.4	20	102	0
Acenaphthene-d10	1	1	.05	0	20	96	0
Acenaphthene	1.334	1.257	.05	5.8	20	94	0
2,4-Dinitrotoluene	0.424	0.446	.05	-5.2	20	96	0
Fluorene	1.533	1.538	.05	-0.3	20	97	0
2,4,6-Tribromophenol	0.175	0.194	.05	-10.9	20	100	0
Phenanthrene-d10	1	1	.05	0	20	98	0
4,6-Dinitro-o-cresol	1000	861.37	.05	13.9	20	90	0
Hexachlorobenzene	0.236	0.206	.05	12.7	20	92	0
Pentachlorophenol	1000	851.468	.05	14.9	20	85	0
Phenanthrene	1.17	1.054	.05	9.9	20	92	0
Anthracene	1.173	1.12	.05	4.5	20	97	0
Fluoranthene	1.463	1.326	.05	9.4	20	93	0
Pyrene	1.51	1.37	.05	9.3	20	93	0
4-Terphenyl-d14	0.992	0.856	.05	13.7	20	87	0
Chrysene-d12	1	1	.05	0	20	97	0
Benzo[a]anthracene	1000	944.957	.05	5.5	20	92	0
3,3'-Dichlorobenzidine	1000	1176.82	.05	-17.7	20	128	0
Chrysene	1.377	1.242	.05	9.8	20	91	0
Bis(2-ethylhexyl)phthalate	0.714	0.879	.05	-23.1*	20	115	0
Perylene-d12	1	1	.05	0	20	102	0
Benzo[b]fluoranthene	1.326	1.235	.05	6.9	20	94	0
Benzo[k]fluoranthene	1.307	1.246	.05	4.7	20	98	0
Benzo[a]pyrene	1.125	1.199	.05	-6.6	20	106	0
Indeno[1,2,3-cd]pyrene	1.089	1.237	.05	-13.6	20	111	0
Dibenzo[a,h]anthracene	1.01	1.141	.05	-13	20	107	0
Benzo[g,h,i]perylene	1.036	1.144	.05	-10.4	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV118	**Calibration Date**	: 03/06/25 07:17		
Lab File ID	: CCV0306A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2037249-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	64	0
2-Fluorophenol	1.223	1.088	.01	11	20	57	0
Phenol-d6	1.466	1.359	.01	7.3	20	59	0
Bis(2-chloroethyl)ether	1.301	1.16	.01	10.8	20	59	0
n-nitrosodi-n-propylamine	0.835	0.847	.01	-1.4	20	62	0
Hexachloroethane	0.544	0.505	.01	7.2	20	59	0
Nitrobenzene-d5	1.197	1.231	.01	-2.8	20	63	0
Naphthalene-d8	1	1	.01	0	20	68	0
Naphthalene	1.137	1.022	.01	10.1	20	63	0
Hexachlorobutadiene	0.204	0.187	.01	8.3	20	62	0
2-Methylnaphthalene	0.707	0.665	.01	5.9	20	64	0
1-Methylnaphthalene	0.719	0.683	.01	5	20	65	0
2-Fluorobiphenyl	0.876	0.841	.01	4	20	68	0
2-Chloronaphthalene	0.765	0.735	.01	3.9	20	65	0
2,6-Dinitrotoluene	0.17	0.184	.01	-8.2	20	67	0
Acenaphthylene	1.17	1.247	.01	-6.6	20	68	0
Acenaphthene-d10	1	1	.01	0	20	71	0
Acenaphthene	1.424	1.309	.01	8.1	20	66	0
2,4-Dinitrotoluene	0.411	0.442	.01	-7.5	20	69	0
Fluorene	1.566	1.517	.01	3.1	20	68	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	65	0
Phenanthrene-d10	1	1	.01	0	20	73	0
4,6-Dinitro-o-cresol	1000	817.341	.01	18.3	20	64	0
Hexachlorobenzene	0.265	0.252	.01	4.9	20	70	0
Pentachlorophenol	1000	994.783	.01	0.5	20	70	0
Phenanthrene	1.211	1.096	.01	9.5	20	67	0
Anthracene	1.202	1.177	.01	2.1	20	70	0
Fluoranthene	1.379	1.375	.01	0.3	20	72	0
Pyrene	1.427	1.398	.01	2	20	70	0
4-Terphenyl-d14	0.929	0.899	.01	3.2	20	72	0
Chrysene-d12	1	1	.01	0	20	74	0
Benzo[a]anthracene	0.423	0.375	.01	11.3	20	68	0
3,3'-Dichlorobenzidine	0.534	0.574	.01	-7.5	20	74	0
Chrysene	1.38	1.252	.01	9.3	20	67	0
Bis(2-ethylhexyl)phthalate	1000	914.51	.01	8.5	20	73	0
Perylene-d12	1	1	.01	0	20	74	0
Benzo[b]fluoranthene	1.316	1.296	.01	1.5	20	71	0
Benzo[k]fluoranthene	1.252	1.255	.01	-0.2	20	69	0
Benzo[a]pyrene	1.095	1.188	.01	-8.5	20	73	0
Indeno[1,2,3-cd]pyrene	0.971	1.117	.01	-15	20	78	0
Dibenzo[a,h]anthracene	0.937	1.076	.01	-14.8	20	75	0
Benzo[g,h,i]perylene	1.026	1.087	.01	-5.9	20	72	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/07/25 08:50		
Lab File ID	: CCV0307	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2037750-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	95	0
2-Fluorophenol	1.072	1.151	.05	-7.4	20	101	0
Phenol-d6	1.338	1.408	.05	-5.2	20	98	0
Bis(2-chloroethyl)ether	1.235	1.194	.05	3.3	20	97	0
n-nitrosodi-n-propylamine	0.827	0.827	.05	0	20	94	0
Hexachloroethane	0.518	0.5	.05	3.5	20	95	0
Nitrobenzene-d5	1.297	1.237	.05	4.6	20	91	0
Naphthalene-d8	1	1	.05	0	20	96	0
Naphthalene	1.116	1.006	.05	9.9	20	92	0
Hexachlorobutadiene	0.196	0.161	.05	17.9	20	82	0
2-Methylnaphthalene	0.78	0.643	.05	17.6	20	82	0
1-Methylnaphthalene	0.718	0.656	.05	8.6	20	91	0
2-Fluorobiphenyl	0.975	0.804	.05	17.5	20	84	0
2-Chloronaphthalene	0.805	0.698	.05	13.3	20	86	0
2,6-Dinitrotoluene	0.198	0.183	.05	7.6	20	86	0
Acenaphthylene	1.247	1.183	.05	5.1	20	94	0
Acenaphthene-d10	1	1	.05	0	20	88	0
Acenaphthene	1.334	1.262	.05	5.4	20	86	0
2,4-Dinitrotoluene	0.424	0.445	.05	-5	20	88	0
Fluorene	1.533	1.508	.05	1.6	20	88	0
2,4,6-Tribromophenol	0.175	0.183	.05	-4.6	20	86	0
Phenanthrene-d10	1	1	.05	0	20	87	0
4,6-Dinitro-o-cresol	1000	854.171	.05	14.6	20	80	0
Hexachlorobenzene	0.236	0.205	.05	13.1	20	81	0
Pentachlorophenol	1000	823.285	.05	17.7	20	73	0
Phenanthrene	1.17	1.084	.05	7.4	20	85	0
Anthracene	1.173	1.13	.05	3.7	20	87	0
Fluoranthene	1.463	1.365	.05	6.7	20	85	0
Pyrene	1.51	1.418	.05	6.1	20	86	0
4-Terphenyl-d14	0.992	0.849	.05	14.4	20	77	0
Chrysene-d12	1	1	.05	0	20	85	0
Benzo[a]anthracene	1000	963.78	.05	3.6	20	82	0
3,3'-Dichlorobenzidine	1000	1184.271	.05	-18.4	20	112	0
Chrysene	1.377	1.272	.05	7.6	20	81	0
Bis(2-ethylhexyl)phthalate	0.714	0.869	.05	-21.7*	20	99	0
Perylene-d12	1	1	.05	0	20	86	0
Benzo[b]fluoranthene	1.326	1.334	.05	-0.6	20	86	0
Benzo[k]fluoranthene	1.307	1.266	.05	3.1	20	84	0
Benzo[a]pyrene	1.125	1.226	.05	-9	20	92	0
Indeno[1,2,3-cd]pyrene	1.089	1.205	.05	-10.7	20	92	0
Dibenzo[a,h]anthracene	1.01	1.132	.05	-12.1	20	90	0
Benzo[g,h,i]perylene	1.036	1.147	.05	-10.7	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944		
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005		
Instrument ID	: SV119	**Calibration Date**	: 03/10/25 06:36		
Lab File ID	: CCV0310	**Init. Calib. Date(s)**	: 12/29/24	12/29/24	
Sample No	: WG2038430-3	**Init. Calib. Times**	: 13:37	16:09	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	85	0
2-Fluorophenol	1.072	1.099	.05	-2.5	20	87	0
Phenol-d6	1.338	1.395	.05	-4.3	20	87	0
Bis(2-chloroethyl)ether	1.235	1.192	.05	3.5	20	87	0
n-nitrosodi-n-propylamine	0.827	0.858	.05	-3.7	20	87	0
Hexachloroethane	0.518	0.484	.05	6.6	20	83	0
Nitrobenzene-d5	1.297	1.272	.05	1.9	20	84	0
Naphthalene-d8	1	1	.05	0	20	92	0
Naphthalene	1.116	0.968	.05	13.3	20	85	0
Hexachlorobutadiene	0.196	0.15	.05	23.5*	20	74	0
2-Methylnaphthalene	0.78	0.631	.05	19.1	20	77	0
1-Methylnaphthalene	0.718	0.647	.05	9.9	20	86	0
2-Fluorobiphenyl	0.975	0.797	.05	18.3	20	80	0
2-Chloronaphthalene	0.805	0.689	.05	14.4	20	82	0
2,6-Dinitrotoluene	0.198	0.182	.05	8.1	20	82	0
Acenaphthylene	1.247	1.18	.05	5.4	20	90	0
Acenaphthene-d10	1	1	.05	0	20	89	0
Acenaphthene	1.334	1.195	.05	10.4	20	82	0
2,4-Dinitrotoluene	0.424	0.424	.05	0	20	84	0
Fluorene	1.533	1.451	.05	5.3	20	85	0
2,4,6-Tribromophenol	0.175	0.17	.05	2.9	20	81	0
Phenanthrene-d10	1	1	.05	0	20	90	0
4,6-Dinitro-o-cresol	1000	781.84	.05	21.8*	20	75	0
Hexachlorobenzene	0.236	0.192	.05	18.6	20	78	0
Pentachlorophenol	1000	631.539	.05	36.8*	20	57	0
Phenanthrene	1.17	1.013	.05	13.4	20	82	0
Anthracene	1.173	1.075	.05	8.4	20	85	0
Fluoranthene	1.463	1.275	.05	12.9	20	82	0
Pyrene	1.51	1.323	.05	12.4	20	83	0
4-Terphenyl-d14	0.992	0.793	.05	20.1*	20	74	0
Chrysene-d12	1	1	.05	0	20	82	0
Benzo[a]anthracene	1000	898.716	.05	10.1	20	75	0
3,3'-Dichlorobenzidine	1000	1080.307	.05	-8	20	99	0
Chrysene	1.377	1.176	.05	14.6	20	73	0
Bis(2-ethylhexyl)phthalate	0.714	0.802	.05	-12.3	20	89	0
Perylene-d12	1	1	.05	0	20	77	0
Benzo[b]fluoranthene	1.326	1.221	.05	7.9	20	71	0
Benzo[k]fluoranthene	1.307	1.232	.05	5.7	20	73	0
Benzo[a]pyrene	1.125	1.135	.05	-0.9	20	76	0
Indeno[1,2,3-cd]pyrene	1.089	0.957	.05	12.1	20	65	0
Dibenzo[a,h]anthracene	1.01	0.977	.05	3.3	20	69	0
Benzo[g,h,i]perylene	1.036	0.955	.05	7.8	20	69	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : ccv0310.D
Acq On : 10 Mar 2025 06:36 am
Operator : sv119:dv
Sample : wg2038430-3,32,,ICV 11275 (0309)
Misc : wg2038430,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 10 06:51:11 2025
Quant Method : I:\8270SIM\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:05 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	85	0.00
2	T	N-Nitrosodimethylamine	0.000	0.732	0.0	0#	0.00
3	s	2-Fluorophenol	1.072	1.099	-2.5	87	0.00
4	s	Phenol-d6	1.338	1.395	-4.3	87	0.00
5	T	Bis(2-chloroethyl)ether	1.235	1.192	3.5	87	0.00
6	T	n-nitrosodi-n-propylamine	0.827	0.858	-3.7	87	0.00
7	t	Hexachloroethane	0.518	0.484	6.6	83	0.00
8	s	Nitrobenzene-d5	1.297	1.272	1.9	84	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	92	0.00
10	t	Naphthalene	1.116	0.968	13.3	85	0.00
11	t	Hexachlorobutadiene	0.196	0.150	23.5#	74	0.00
12	t	2-Methylnaphthalene	0.780	0.631	19.1	77	0.00
13	t	1-Methylnaphthalene	0.718	0.647	9.9	86	0.00
14	s	2-Fluorobiphenyl	0.975	0.797	18.3	80	0.00
15	t	2-Chloronaphthalene	0.805	0.689	14.4	82	0.00
16	t	2,6-Dinitrotoluene	0.198	0.182	8.1	82	0.00
17	t	Acenaphthylene	1.247	1.180	5.4	90	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
19	t	Acenaphthene	1.334	1.195	10.4	82	0.00
20	t	2,4-Dinitrotoluene	0.424	0.424	0.0	84	0.00
21	t	Fluorene	1.533	1.451	5.3	85	0.00
22	s	2,4,6-Tribromophenol	0.175	0.170	2.9	81	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	781.840	21.8#	75	0.00
25	t	Hexachlorobenzene	0.236	0.192	18.6	78	0.00
26	t	Pentachlorophenol	*1000.000	631.539	36.8#	57	0.00
27	t	Phenanthrene	1.170	1.013	13.4	82	0.00
28	t	Anthracene	1.173	1.075	8.4	85	0.00
29	t	Fluoranthene	1.463	1.275	12.9	82	0.00
30	t	Pyrene	1.510	1.323	12.4	83	0.00
31	T	Benzidine	0.000	0.837	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.992	0.793	20.1#	74	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	82	0.00
34	t	Benzo[a]anthracene	*1000.000	898.716	10.1	75	0.00
35	t	3,3'-Dichlorobenzidine	*1000.000	1080.307	-8.0	99	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : ccv0310.D
Acq On : 10 Mar 2025 06:36 am
Operator : sv119:dv
Sample : wg2038430-3,32,,ICV 11275 (0309)
Misc : wg2038430,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 10 06:51:11 2025
Quant Method : I:\8270SIM\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:05 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.377	1.176	14.6	73	0.00
37	T	Bis(2-ethylhexyl)phthalate	0.714	0.802	-12.3	89	0.00
38	i	Perylene-d12	1.000	1.000	0.0	77	0.00
39	t	Benzo[b]fluoranthene	1.326	1.221	7.9	71	0.00
40	t	Benzo[k]fluoranthene	1.307	1.232	5.7	73	0.00
41	t	Benzo[a]pyrene	1.125	1.135	-0.9	76	0.00
42	t	Indeno[1,2,3-cd]pyrene	1.089	0.957	12.1	65	0.00
43	t	Dibenzo[a,h]anthracene	1.010	0.977	3.3	69	0.00
44	t	Benzo[g,h,i]perylene	1.036	0.955	7.8	69	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : ccv0310.D
Acq On : 10 Mar 2025 06:36 am
Operator : sv119:dv
Sample : wg2038430-3,32,,ICV 11275 (0309)
Misc : wg2038430,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 10 06:51:11 2025
Quant Method : I:\8270SIM\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:05 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	260626	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.858	136	1055214	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.825	164	633060	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.658	188	1362342	4000.000	ng/ml	0.00
33) Chrysene-d12	6.199	240	1279573	4000.000	ng/ml	0.00
38) Perylene-d12	7.369	264	1206831	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.629	112	71632	1025.781	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.29%			
4) Phenol-d6	2.031	99	90884	1042.747	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.14%			
8) Nitrobenzene-d5	2.482	82	82873	980.527	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.05%			
14) 2-Fluorobiphenyl	3.448	172	210269	817.186	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.72%			
22) 2,4,6-Tribromophenol	4.268	330	26857	972.029	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.60%			
32) 4-Terphenyl-d14	5.570	244	269975	798.825	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.88%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.189	74	47668	No Calib	#	
5) Bis(2-chloroethyl)ether	2.068	93	77687	965.695	ng/ml	91
6) n-nitrosodi-n-propylamine	2.401	70	55876	1036.378	ng/ml	99
7) Hexachloroethane	2.455	117	31529	933.333	ng/ml	95
10) Naphthalene	2.867	128	255306	867.506	ng/ml	100
11) Hexachlorobutadiene	2.937	225	39621	765.010	ng/ml	100
12) 2-Methylnaphthalene	3.245	142	166370	808.958	ng/ml	98
13) 1-Methylnaphthalene	3.297	142	170582	900.810	ng/ml	98
15) 2-Chloronaphthalene	3.512	162	181788	855.859	ng/ml	93
16) 2,6-Dinitrotoluene	3.710	165	47920	915.478	ng/ml#	88
17) Acenaphthylene	3.743	152	311327	946.464	ng/ml	100
19) Acenaphthene	3.843	153	189117	895.712	ng/ml	93
20) 2,4-Dinitrotoluene	3.939	165	67117	999.309	ng/ml#	62
21) Fluorene	4.130	166	229574	946.401	ng/ml	97
24) 4,6-Dinitro-o-cresol	4.168	198	34687	781.840	ng/ml	98
25) Hexachlorobenzene	4.447	284	65381	814.177	ng/ml	95
26) Pentachlorophenol	4.565	266	25219	631.539	ng/ml	100
27) Phenanthrene	4.670	178	345013	866.153	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : ccv0310.D
Acq On : 10 Mar 2025 06:36 am
Operator : sv119:dv
Sample : wg2038430-3,32,,ICV 11275 (0309)
Misc : wg2038430,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 10 06:51:11 2025
Quant Method : I:\8270SIM\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:05 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.699	178	366119	916.748	ng/ml	99
29) Fluoranthene	5.348	202	434290	871.458	ng/ml	98
30) Pyrene	5.479	202	450531	875.855	ng/ml	100
31) Benzidine	5.429	184	285100	No Calib #		
34) Benzo[a]anthracene	6.192	228	407704	898.716	ng/ml	99
35) 3,3'-Dichlorobenzidine	6.180	252	174072	1080.307	ng/ml	99
36) Chrysene	6.213	228	376142	853.764	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.209	149	256441	1122.011	ng/ml	97
39) Benzo[b]fluoranthene	7.007	252	368249	920.702	ng/ml	98
40) Benzo[k]fluoranthene	7.029	252	371662	942.300	ng/ml	98
41) Benzo[a]pyrene	7.307	252	342584	1009.437	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.560	276	288799M6	878.978	ng/ml	
43) Dibenzo[a,h]anthracene	8.593	278	294709M6	966.890	ng/ml	
44) Benzo[g,h,i]perylene	8.897	276	288022	921.025	ng/ml	97

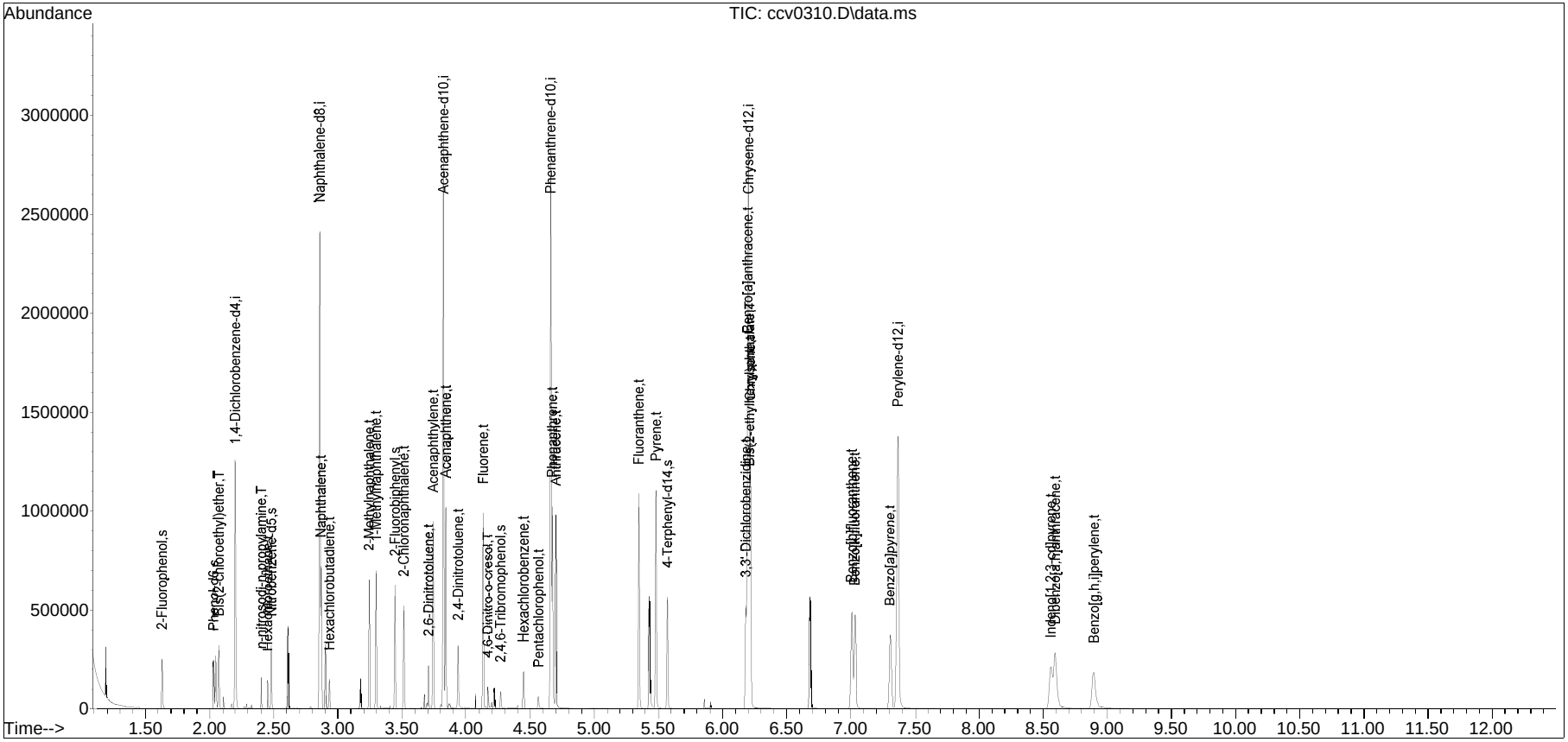
(#) = qualifier out of range (m) = manual integration (+) = signals summed

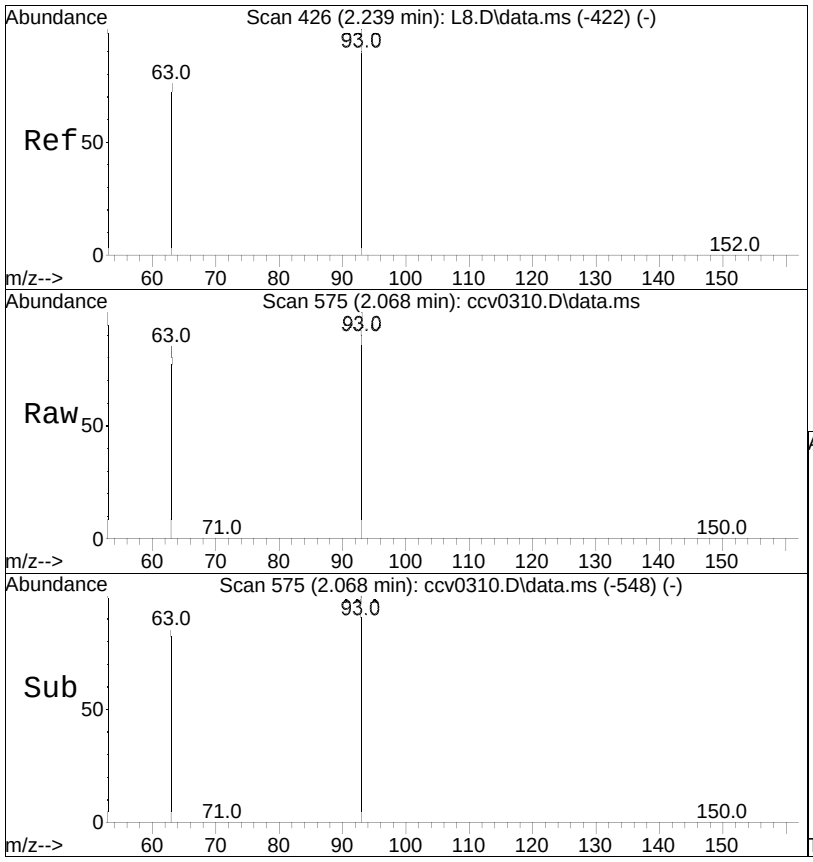
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : ccv0310.D
Acq On : 10 Mar 2025 06:36 am
Operator : sv119:dv
Sample : wg2038430-3,32,,ICV 11275 (0309)
Misc : wg2038430,,ical21826
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Mar 10 06:51:11 2025
Quant Method : I:\8270SIM\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:05 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

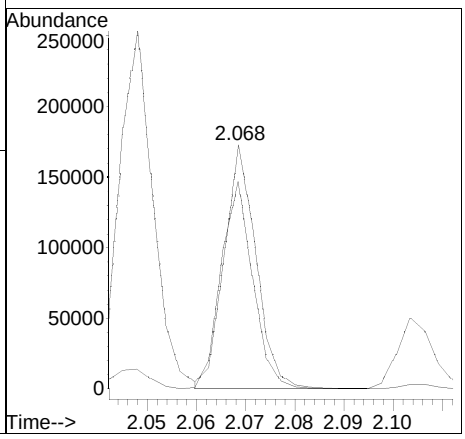


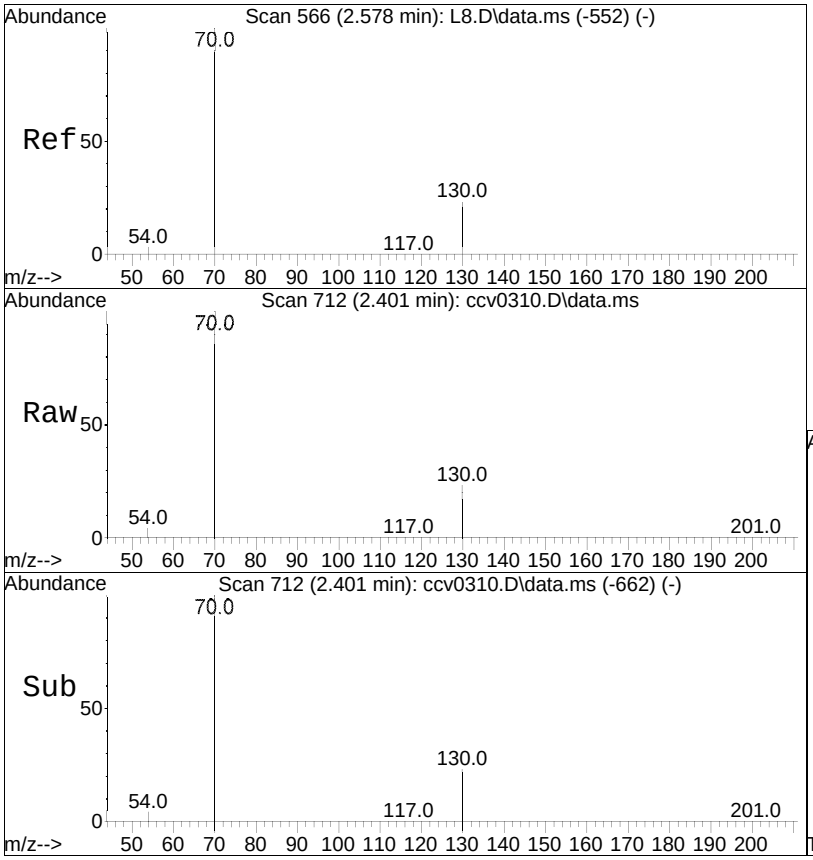


#5
Bis(2-chloroethyl)ether
Concen: 965.70 ng/ml
RT: 2.068 min Scan# 575
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion: 93 Resp: 77687

Ion	Ratio	Lower	Upper
93	100		
63	85.1	61.7	92.5

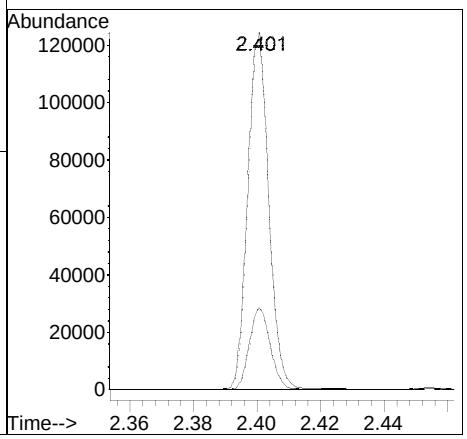


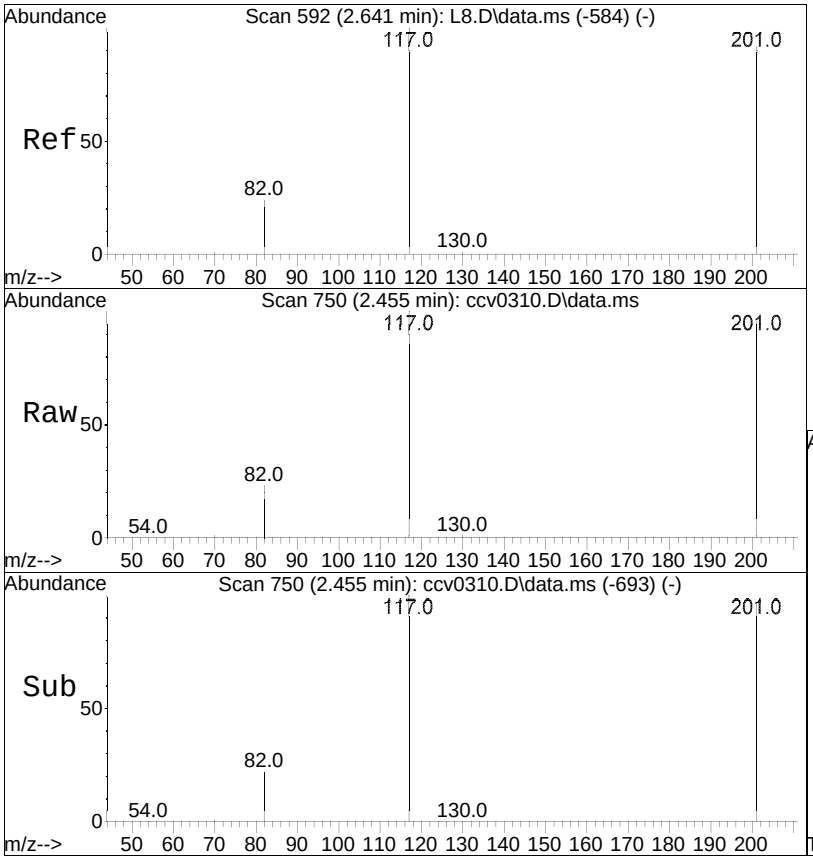


#6
n-nitrosodi-n-propylamine
Concen: 1036.38 ng/ml
RT: 2.401 min Scan# 712
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion: 70 Resp: 55876

Ion	Ratio	Lower	Upper
70	100		
130	23.0	18.1	27.1

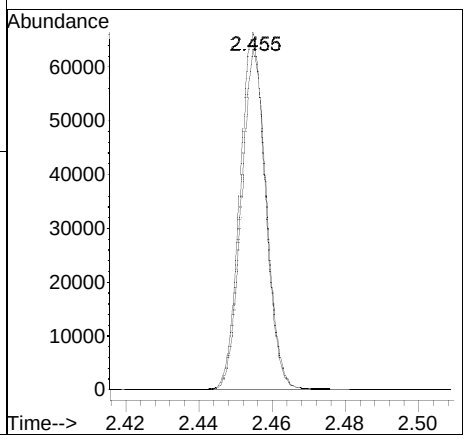


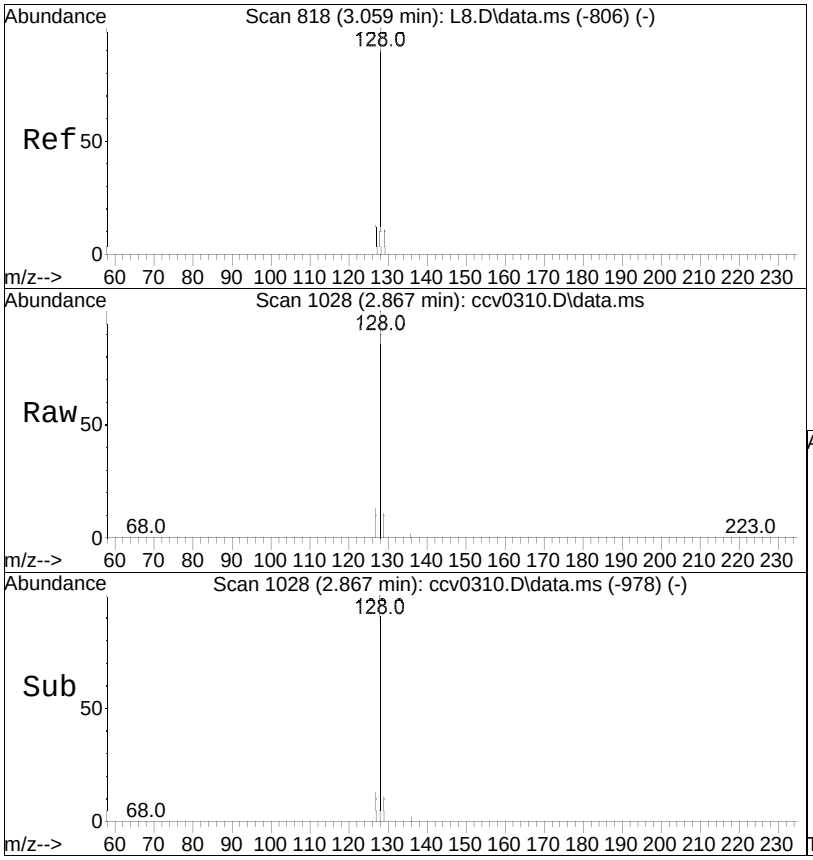


#7
Hexachloroethane
Concen: 933.33 ng/ml
RT: 2.455 min Scan# 750
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:117 Resp: 31529

Ion	Ratio	Lower	Upper
117	100		
201	94.6	79.3	118.9

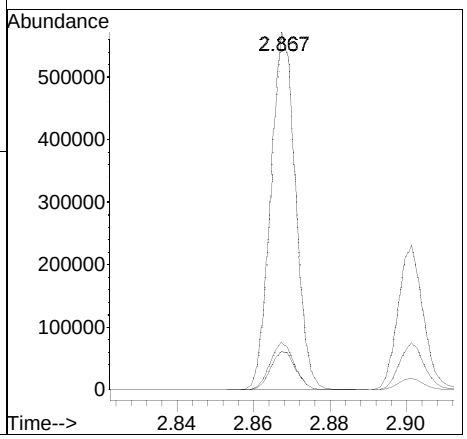


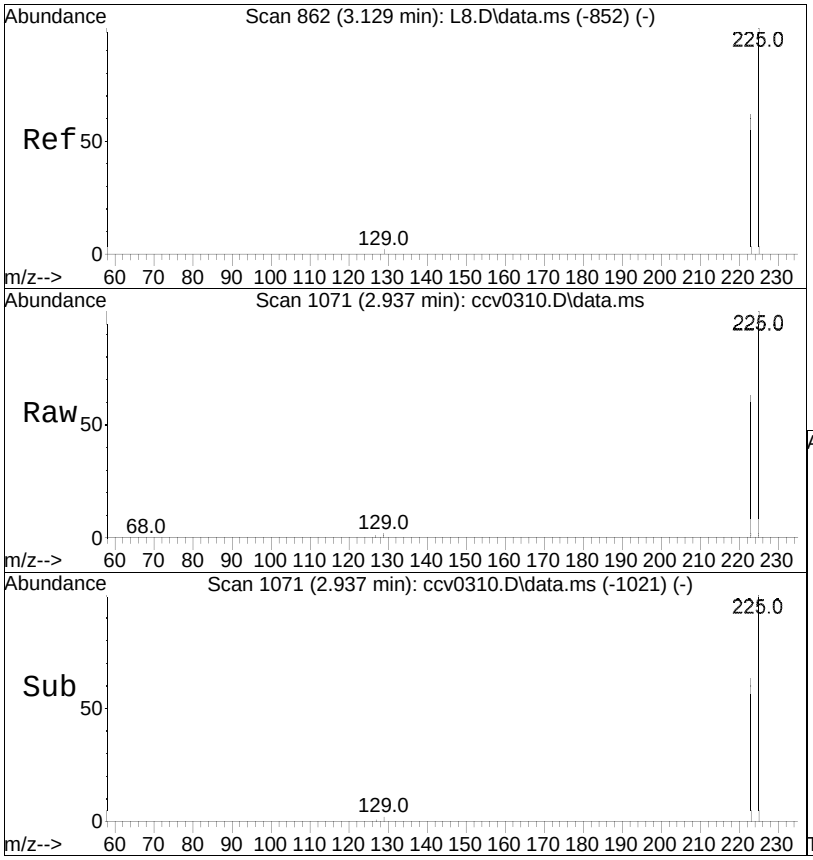


#10
Naphthalene
Concen: 867.51 ng/ml
RT: 2.867 min Scan# 1028
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:128 Resp: 255306

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.2	10.5	15.7

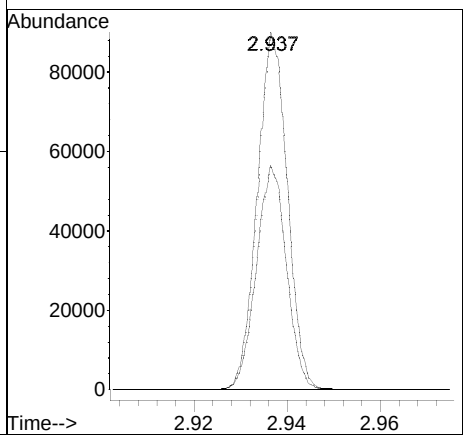


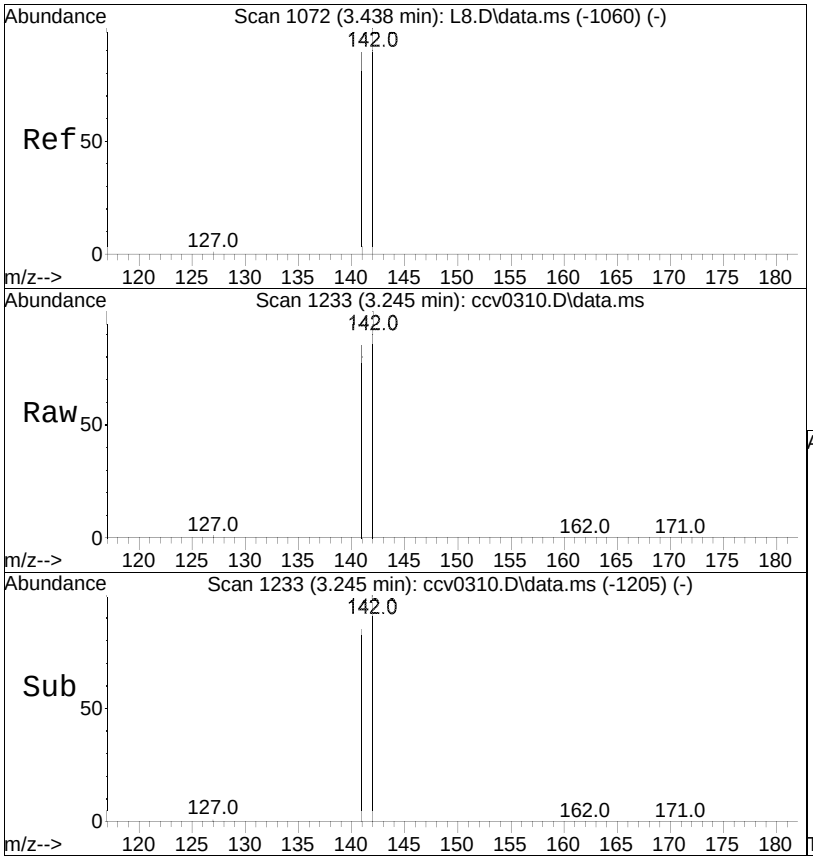


#11
Hexachlorobutadiene
Concen: 765.01 ng/ml
RT: 2.937 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:225 Resp: 39621

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

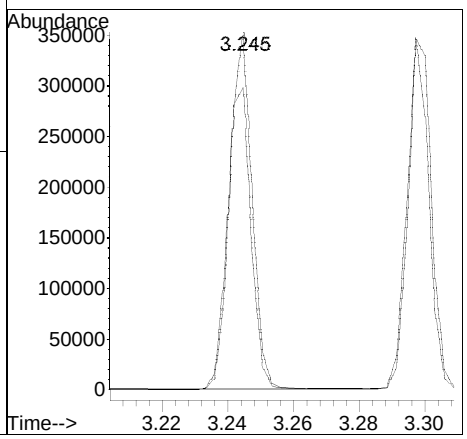


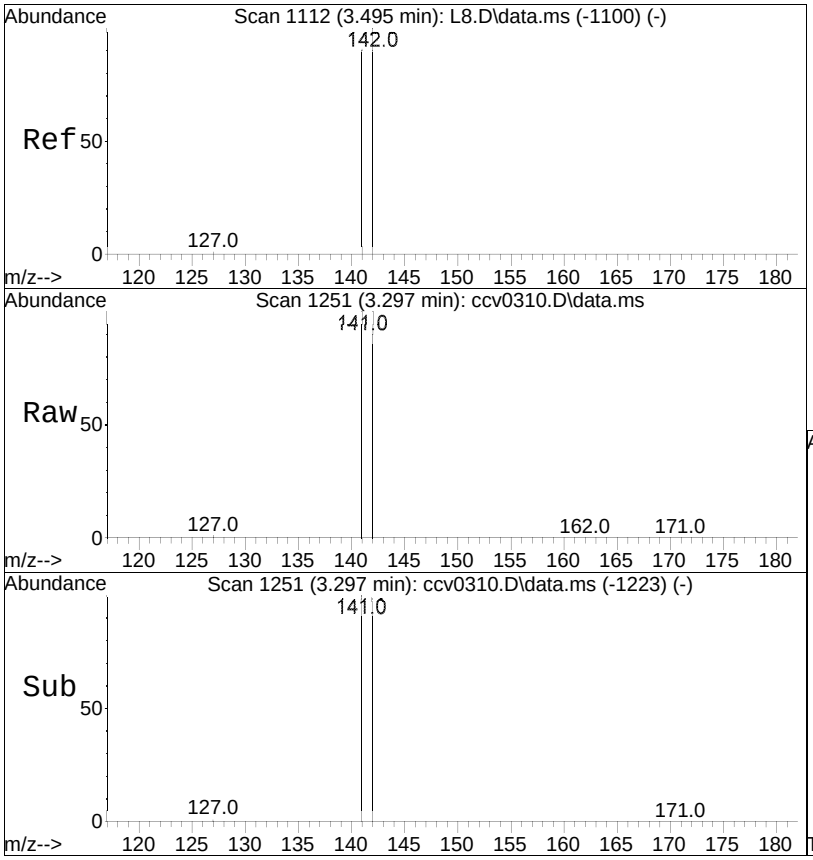


#12
2-Methylnaphthalene
Concen: 808.96 ng/ml
RT: 3.245 min Scan# 1233
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:142 Resp: 166370

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9

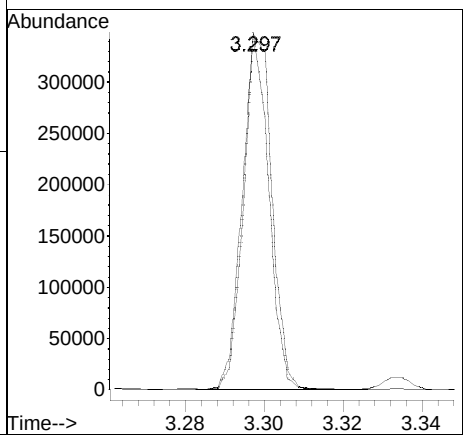


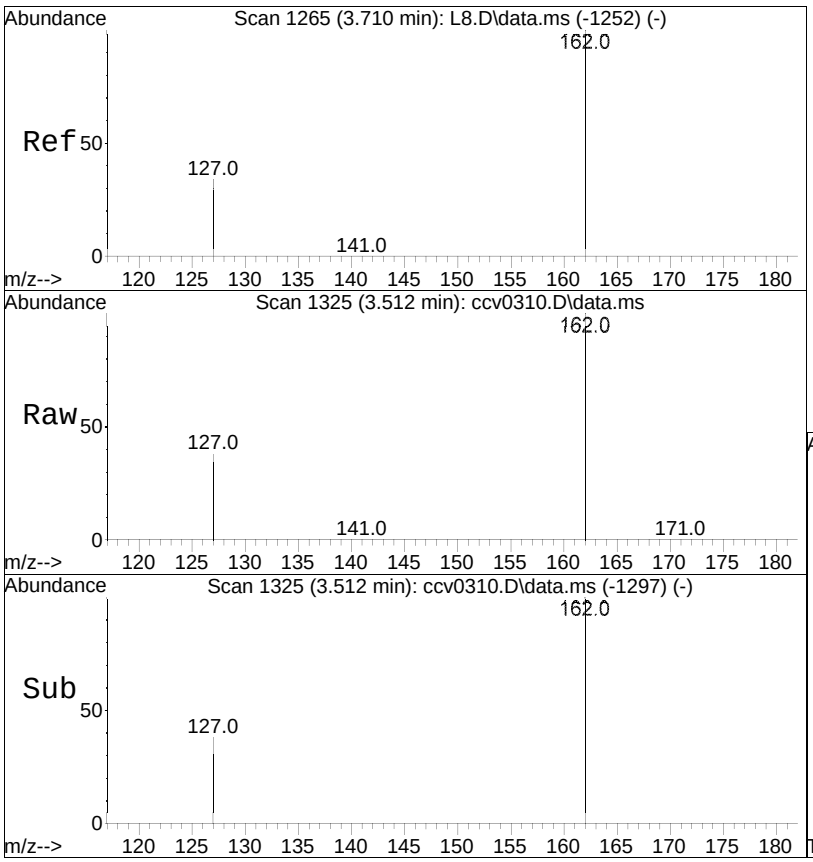


#13
1-Methylnaphthalene
Concen: 900.81 ng/ml
RT: 3.297 min Scan# 1251
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:142 Resp: 170582

Ion	Ratio	Lower	Upper
142	100		
141	94.1	73.8	110.6

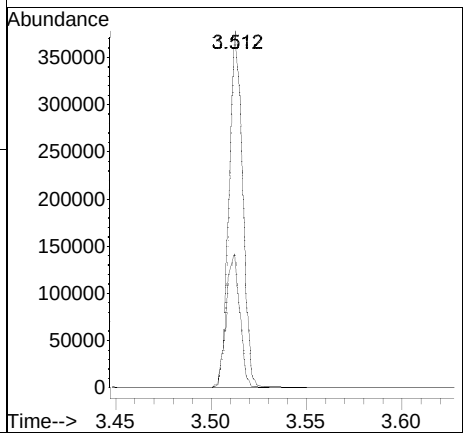


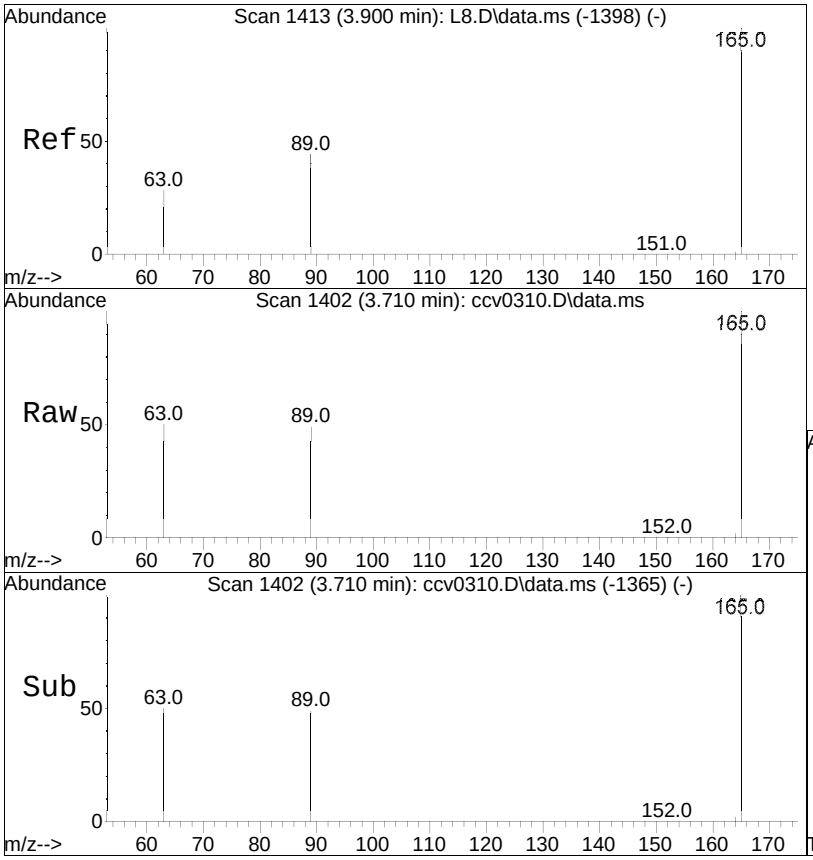


#15
2-Chloronaphthalene
Concen: 855.86 ng/ml
RT: 3.512 min Scan# 1325
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:162 Resp: 181788

Ion	Ratio	Lower	Upper
162	100		
127	38.2	27.4	41.0

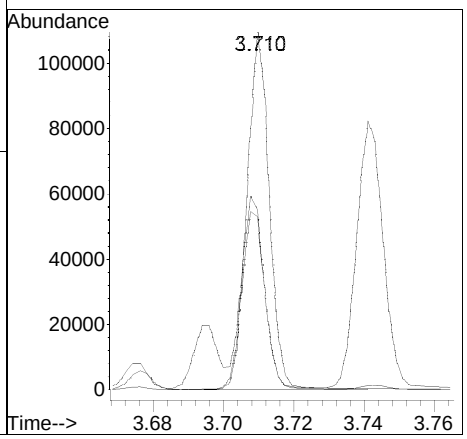


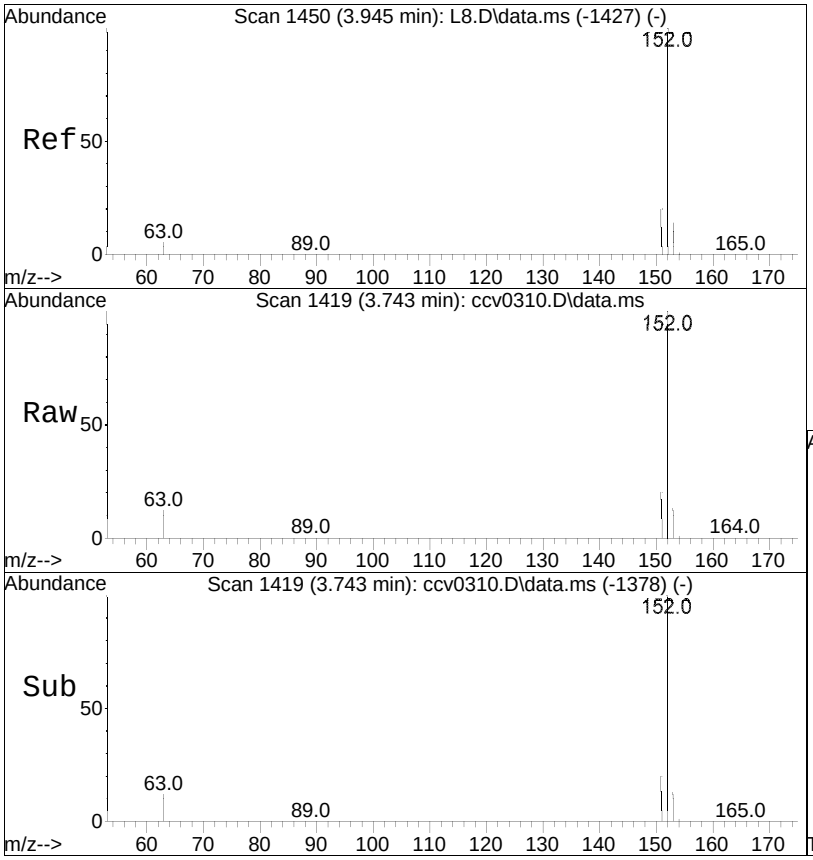


#16
2,6-Dinitrotoluene
Concen: 915.48 ng/ml
RT: 3.710 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:165 Resp: 47920

Ion	Ratio	Lower	Upper
165	100		
89	52.6	37.8	56.8
63	56.4	36.9	55.3#

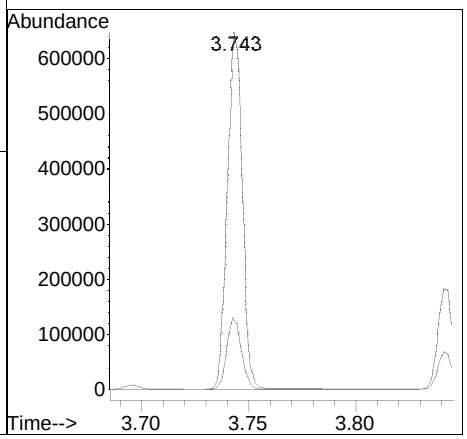


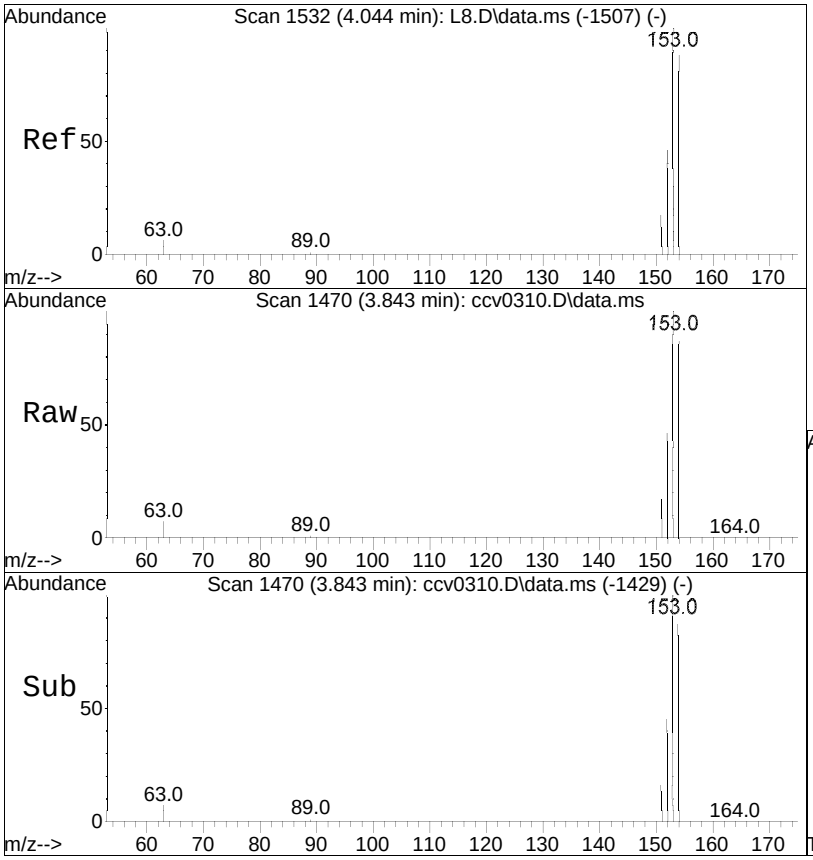


#17
Acenaphthylene
Concen: 946.46 ng/ml
RT: 3.743 min Scan# 1419
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:152 Resp: 311327

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9

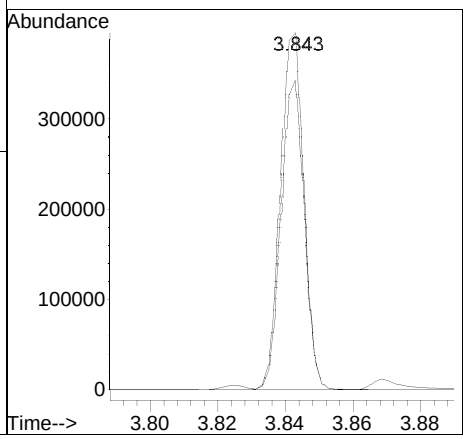


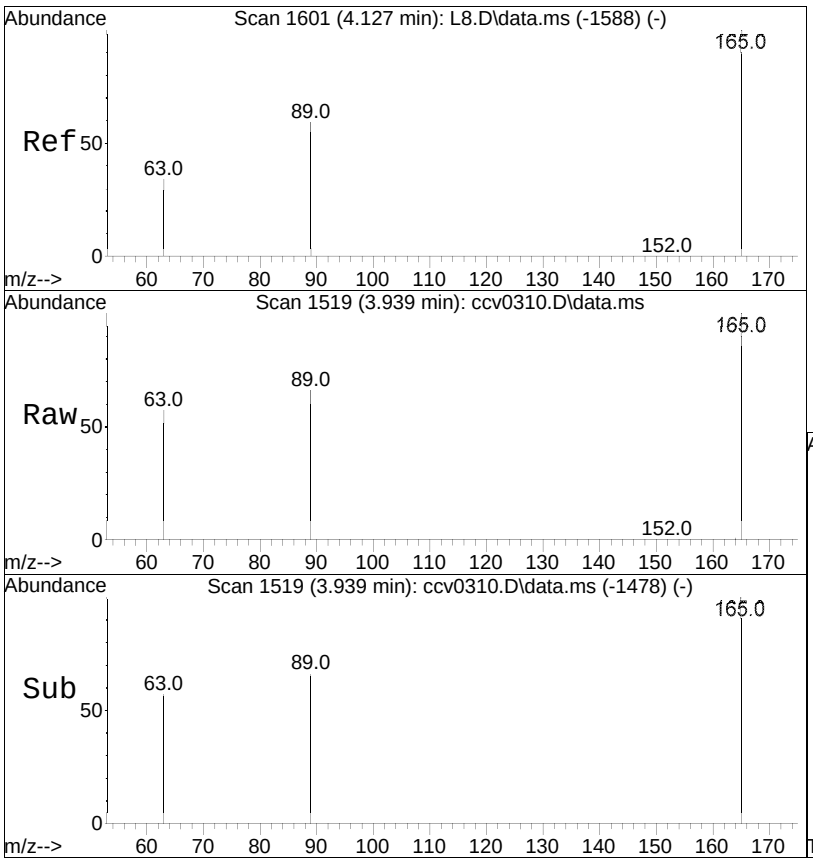


#19
Acenaphthene
Concen: 895.71 ng/ml
RT: 3.843 min Scan# 1470
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:153 Resp: 189117

Ion	Ratio	Lower	Upper
153	100		
154	85.2	73.1	109.7

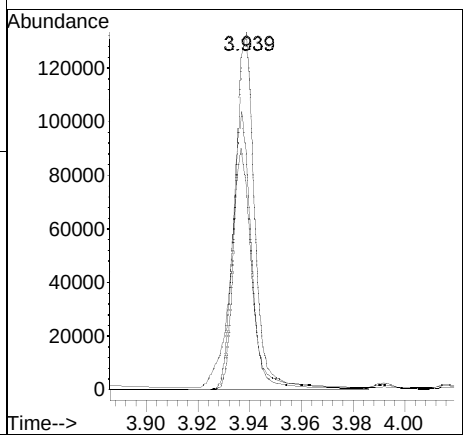


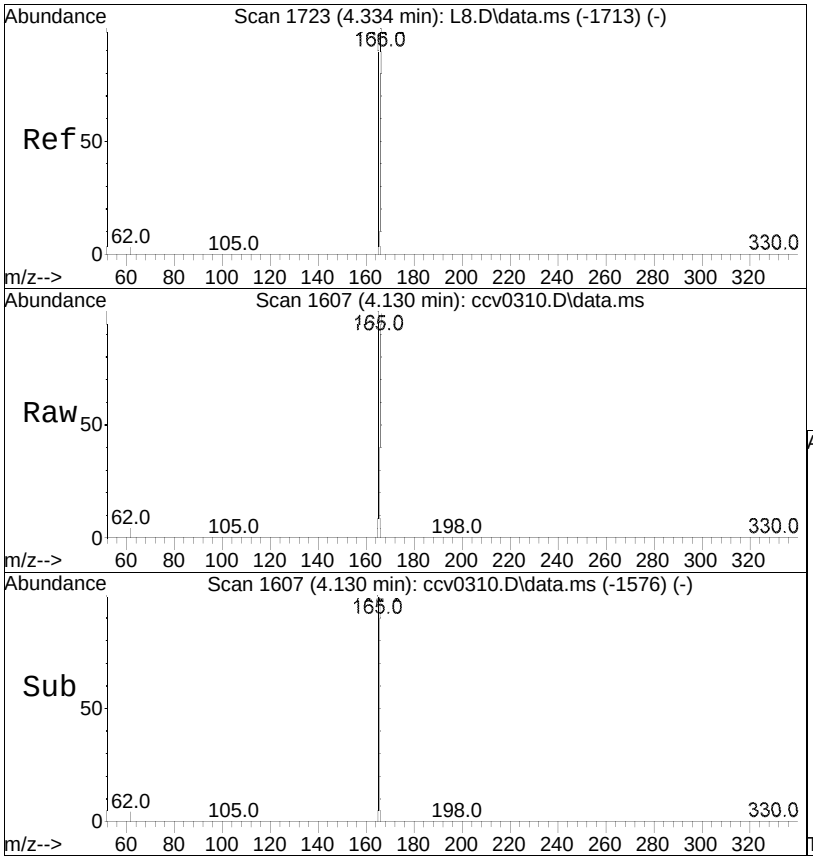


#20
2,4-Dinitrotoluene
Concen: 999.31 ng/ml
RT: 3.939 min Scan# 1519
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:165 Resp: 67117

Ion	Ratio	Lower	Upper
165	100		
89	76.5	48.7	73.1#
63	76.1	28.6	42.8#

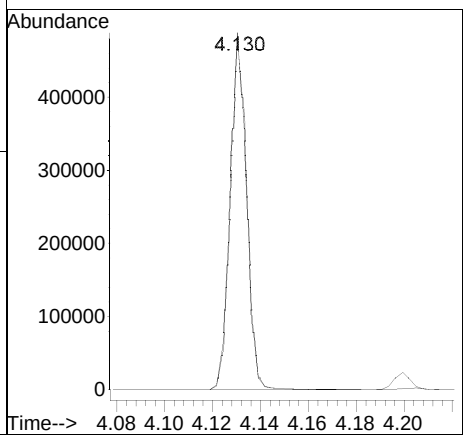


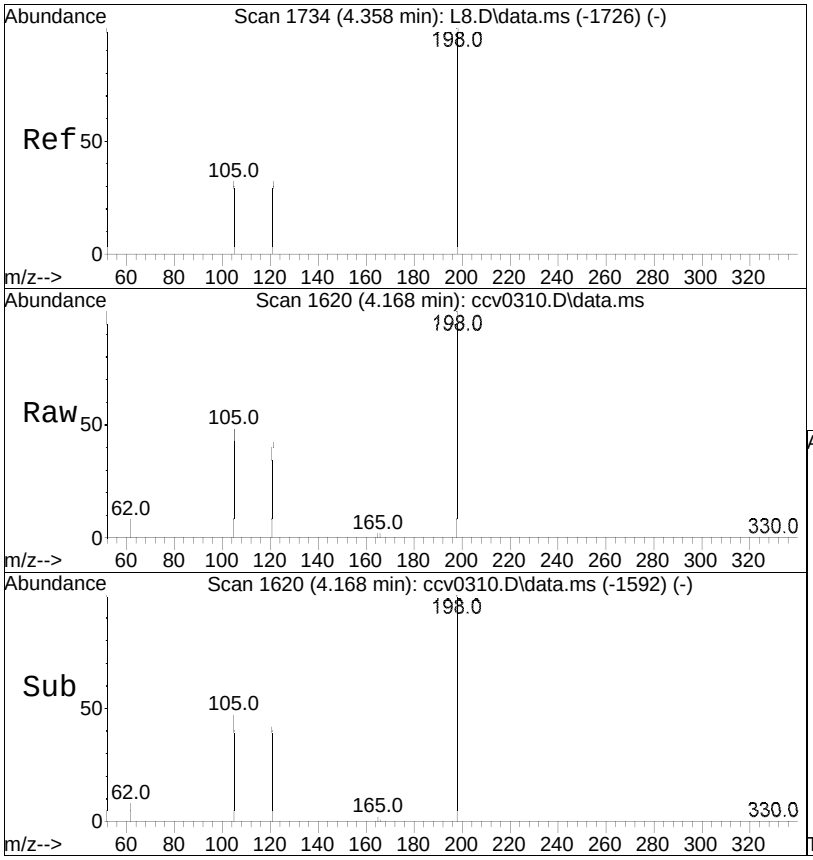


#21
Fluorene
Concen: 946.40 ng/ml
RT: 4.130 min Scan# 1607
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:166 Resp: 229574

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.8	116.8

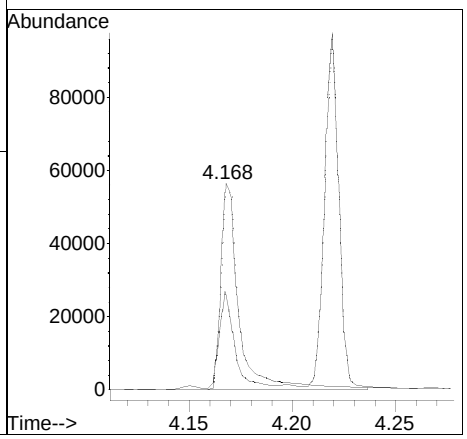


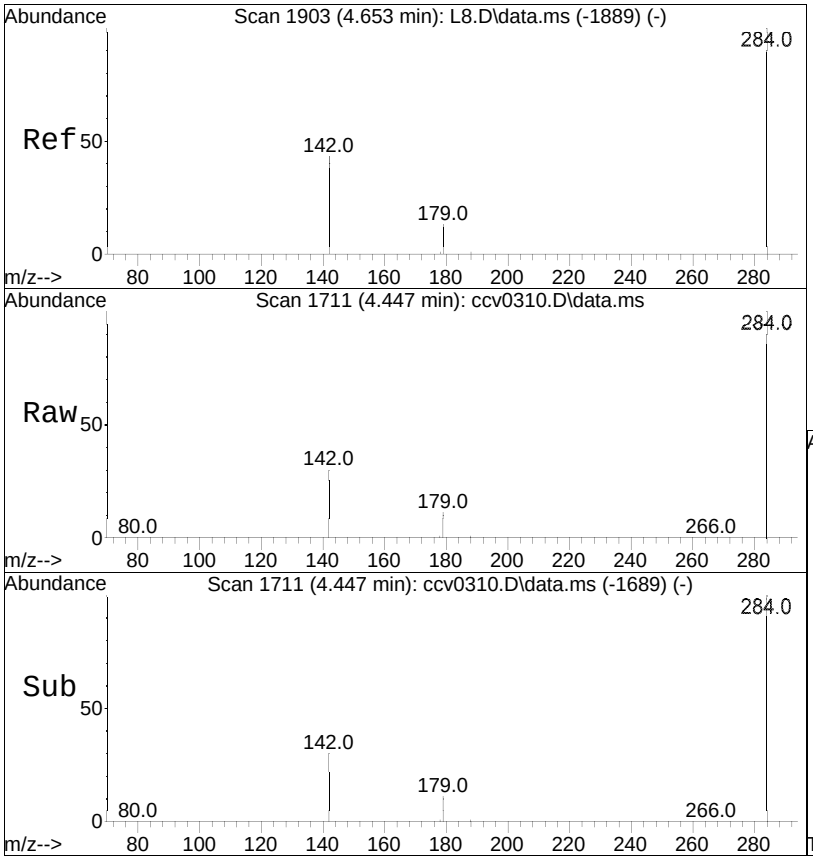


#24
4,6-Dinitro-o-cresol
Concen: 781.84 ng/ml
RT: 4.168 min Scan# 1620
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:198 Resp: 34687

Ion	Ratio	Lower	Upper
198	100		
105	39.2	30.6	45.8

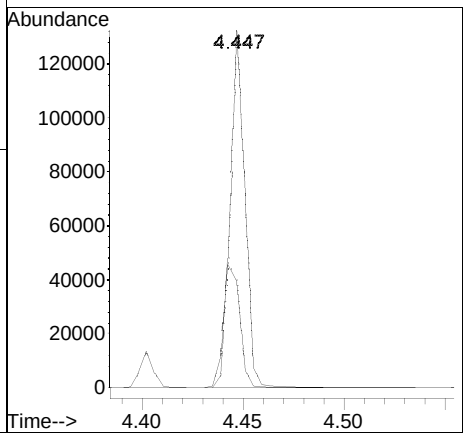


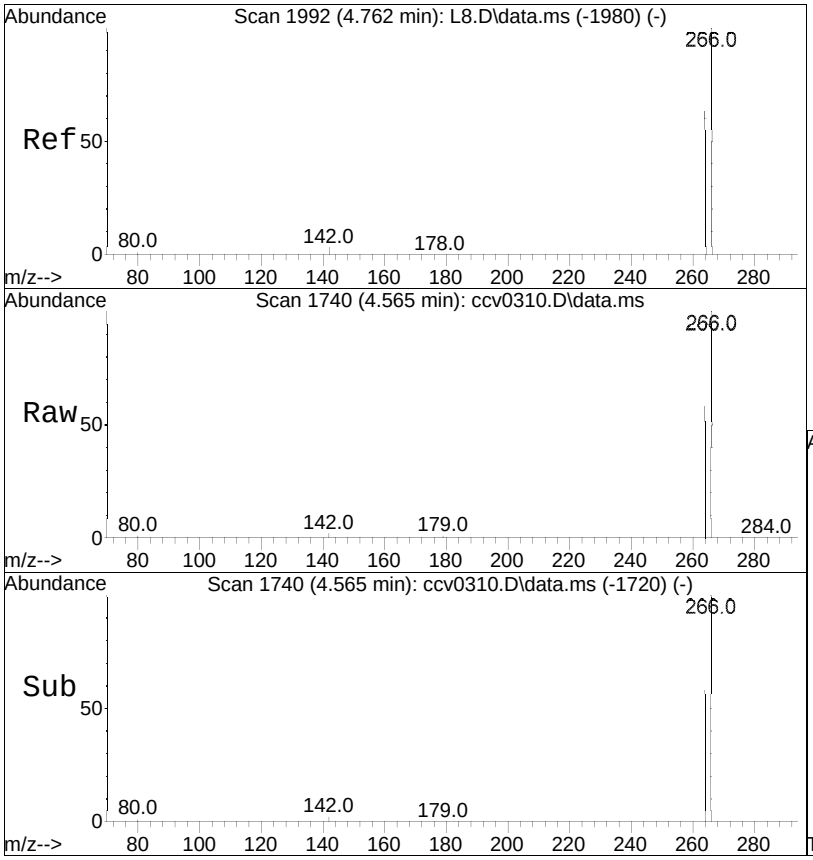


#25
Hexachlorobenzene
Concen: 814.18 ng/ml
RT: 4.447 min Scan# 1711
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:284 Resp: 65381

Ion	Ratio	Lower	Upper
284	100		
142	39.3	33.8	50.6

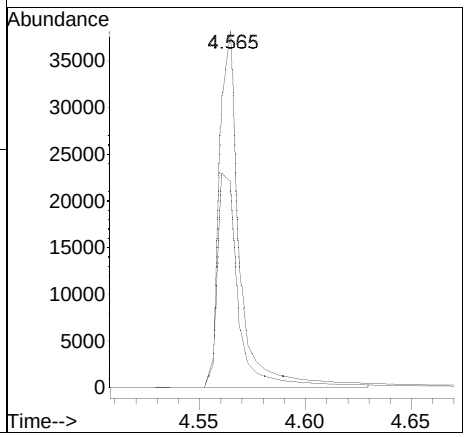


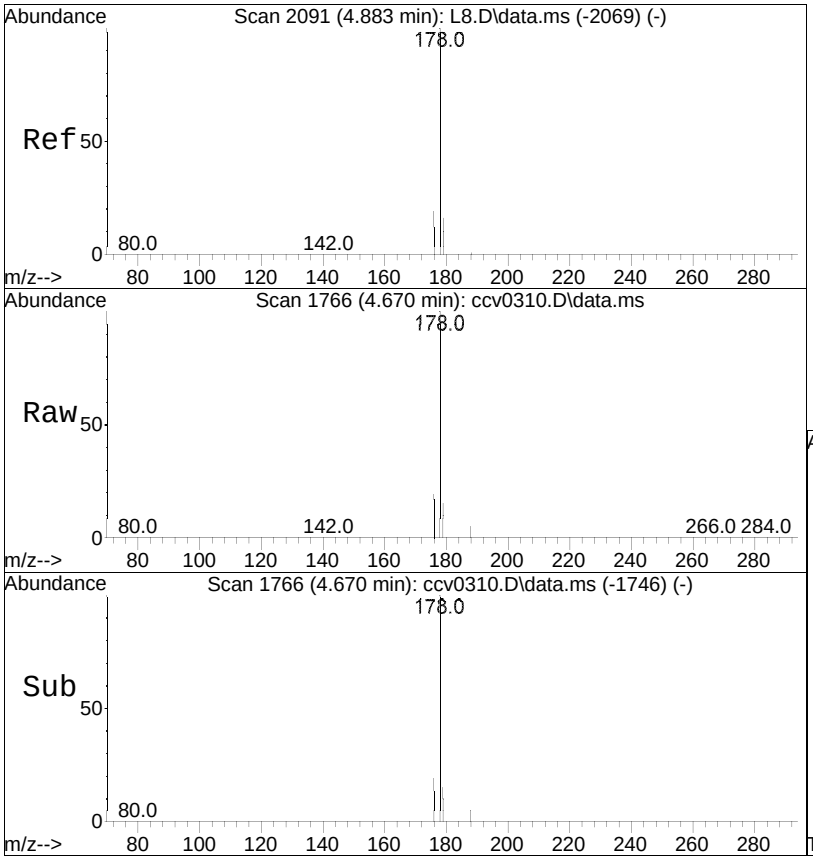


#26
Pentachlorophenol
Concen: 631.54 ng/ml
RT: 4.565 min Scan# 1740
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:266 Resp: 25219

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.8	76.2

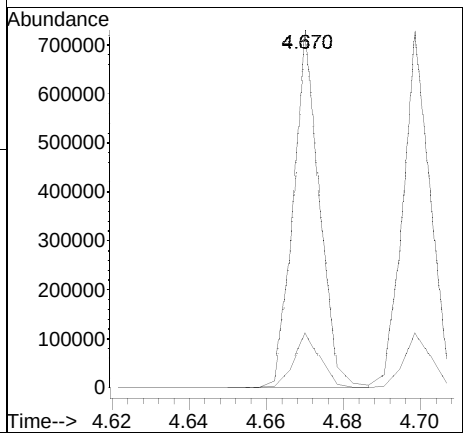


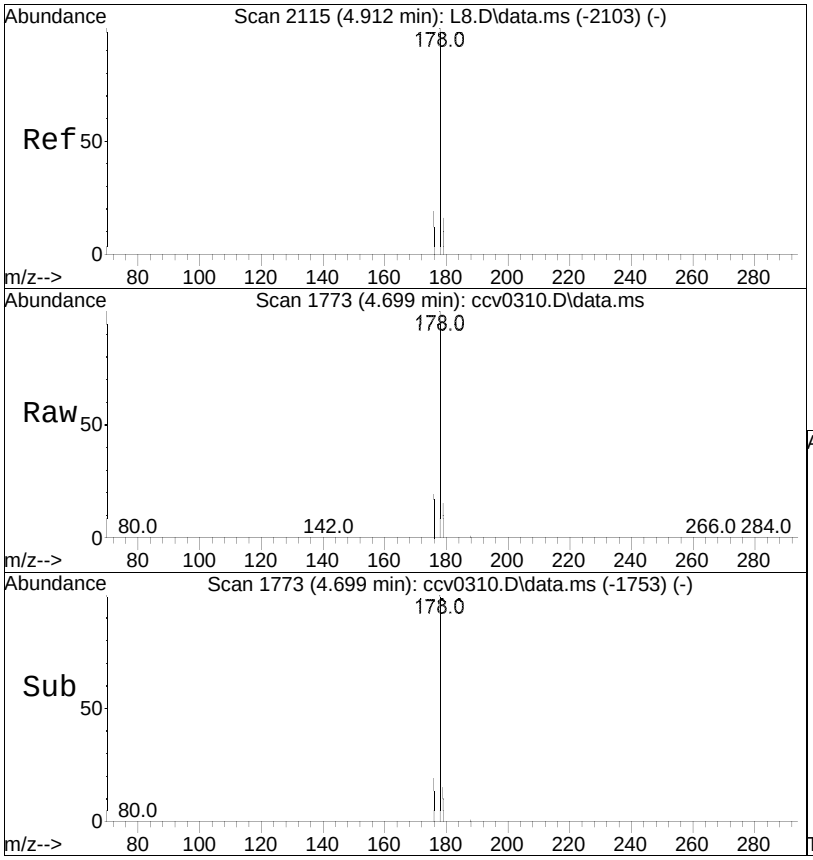


#27
Phenanthrene
Concen: 866.15 ng/ml
RT: 4.670 min Scan# 1766
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:178 Resp: 345013

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2

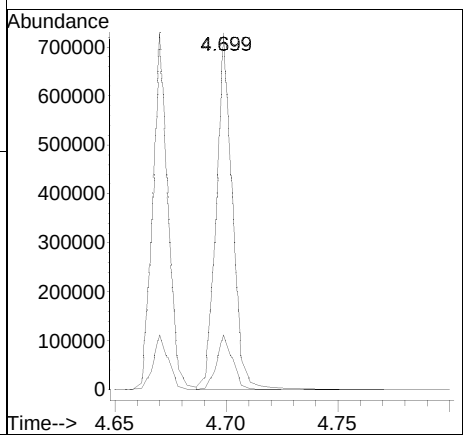


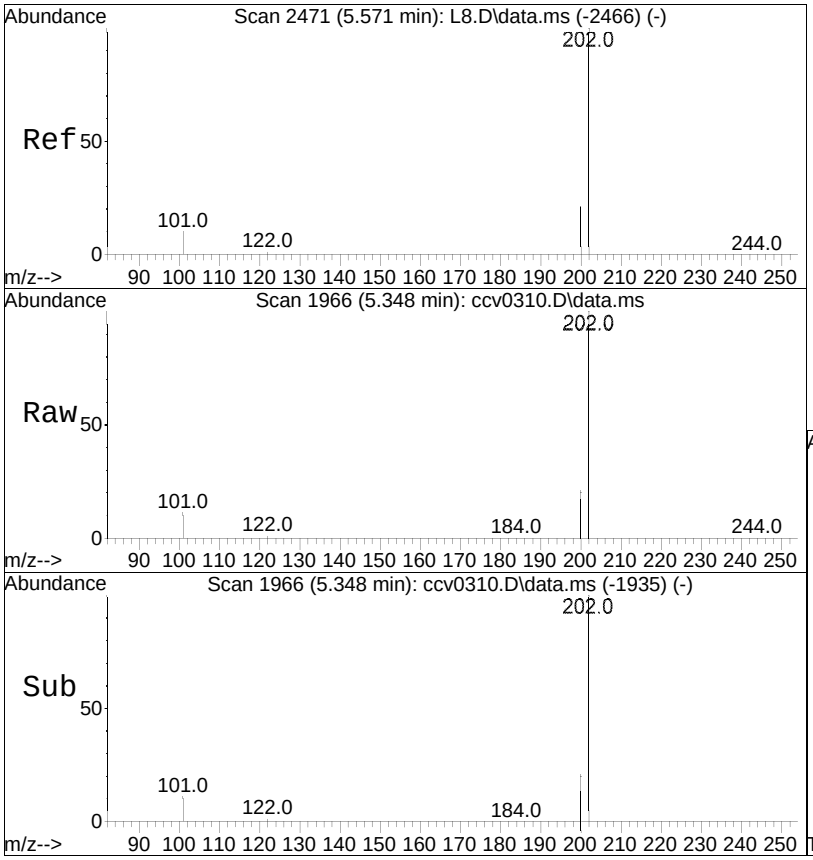


#28
Anthracene
Concen: 916.75 ng/ml
RT: 4.699 min Scan# 1773
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:178 Resp: 366119

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8

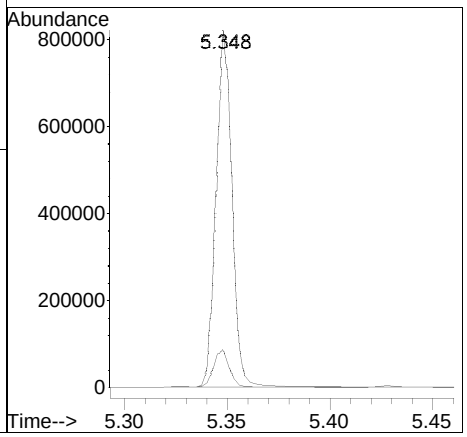


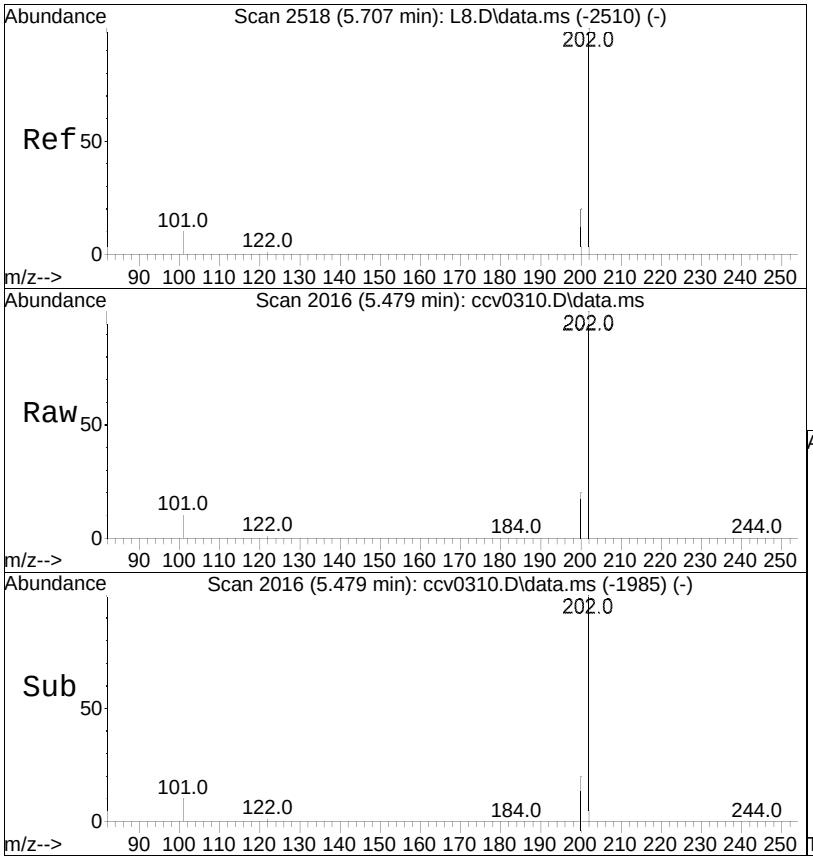


#29
Fluoranthene
Concen: 871.46 ng/ml
RT: 5.348 min Scan# 1966
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:202 Resp: 434290

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.2	12.2

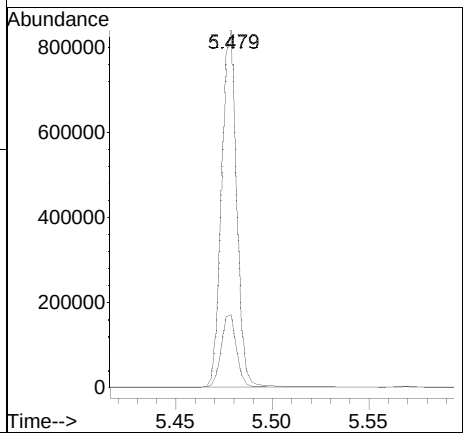


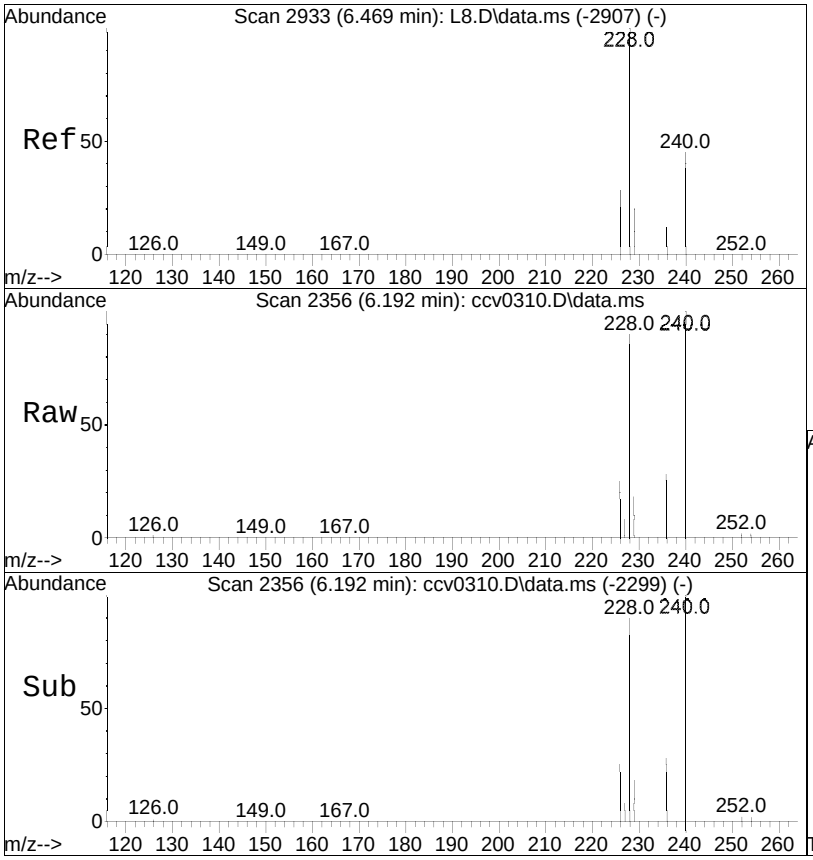


#30
Pyrene
Concen: 875.85 ng/ml
RT: 5.479 min Scan# 2016
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:202 Resp: 450531

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3

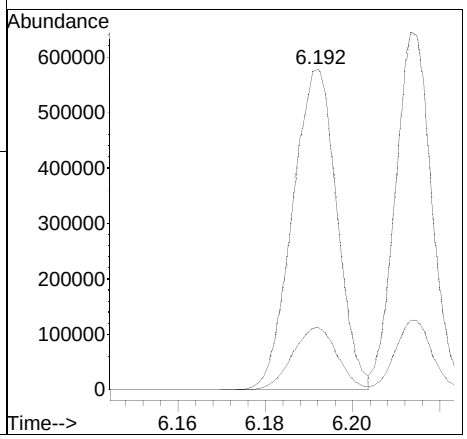


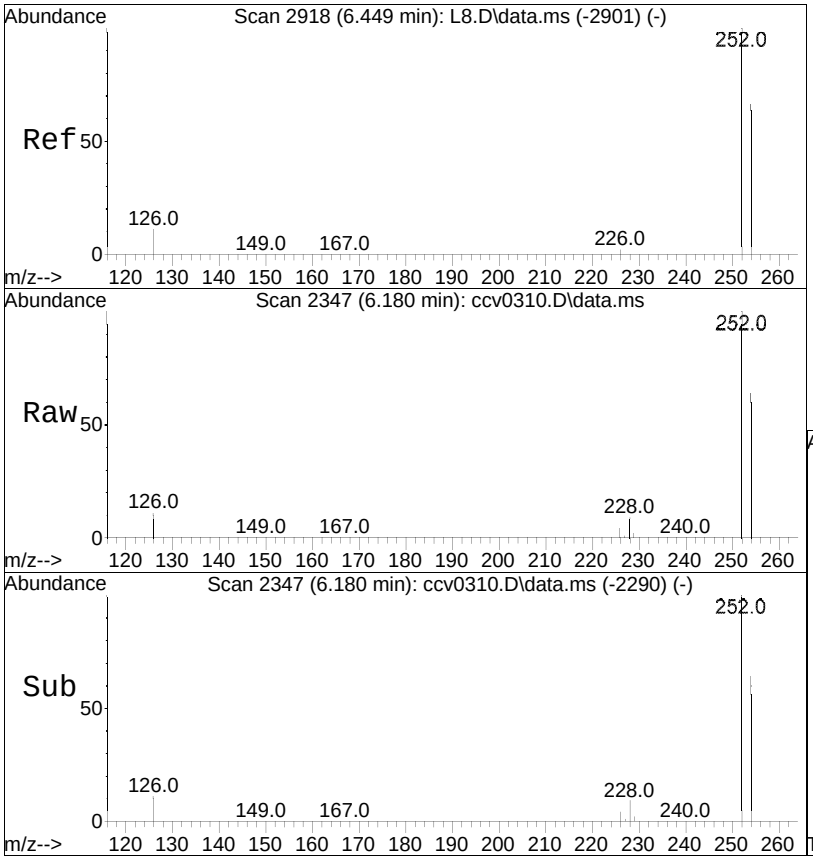


#34
Benzo[a]anthracene
Concen: 898.72 ng/ml
RT: 6.192 min Scan# 2356
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:228 Resp: 407704

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9

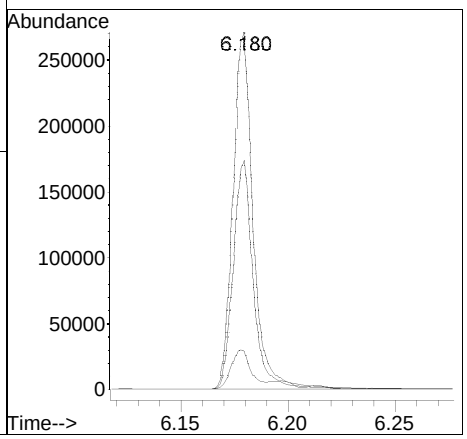


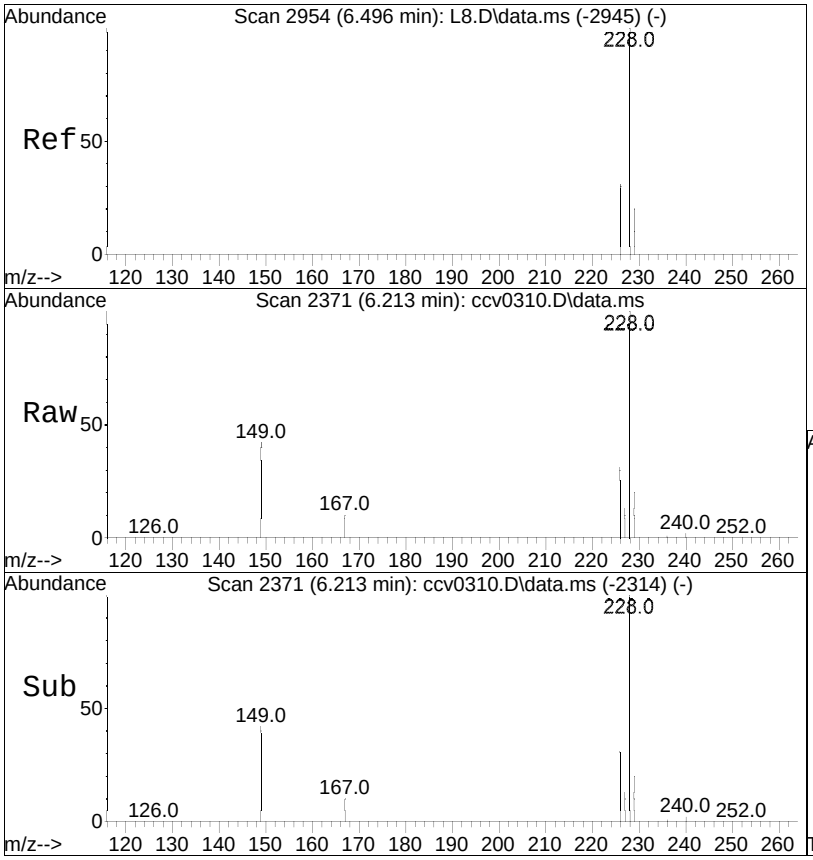


#35
3,3'-Dichlorobenzidine
Concen: 1080.31 ng/ml
RT: 6.180 min Scan# 2347
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:252 Resp: 174072

Ion	Ratio	Lower	Upper
252	100		
126	11.1	8.6	13.0
254	64.3	51.8	77.8

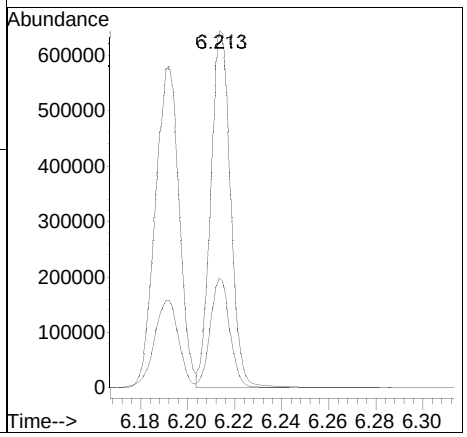


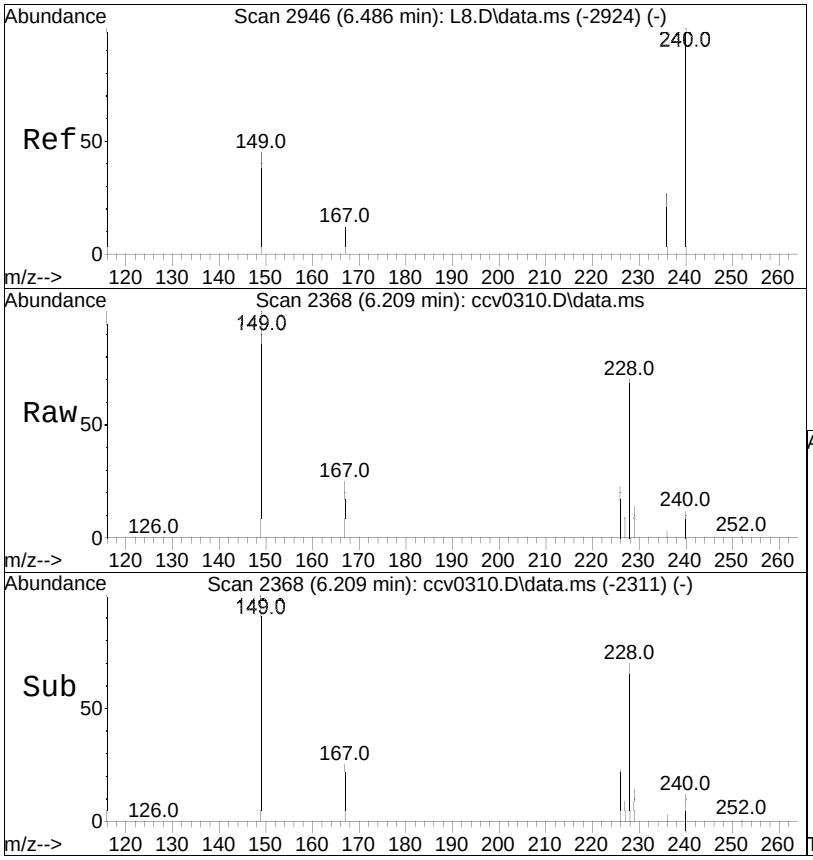


#36
Chrysene
Concen: 853.76 ng/ml
RT: 6.213 min Scan# 2371
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:228 Resp: 376142

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6

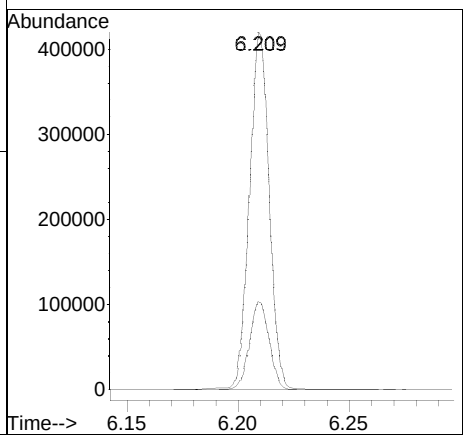


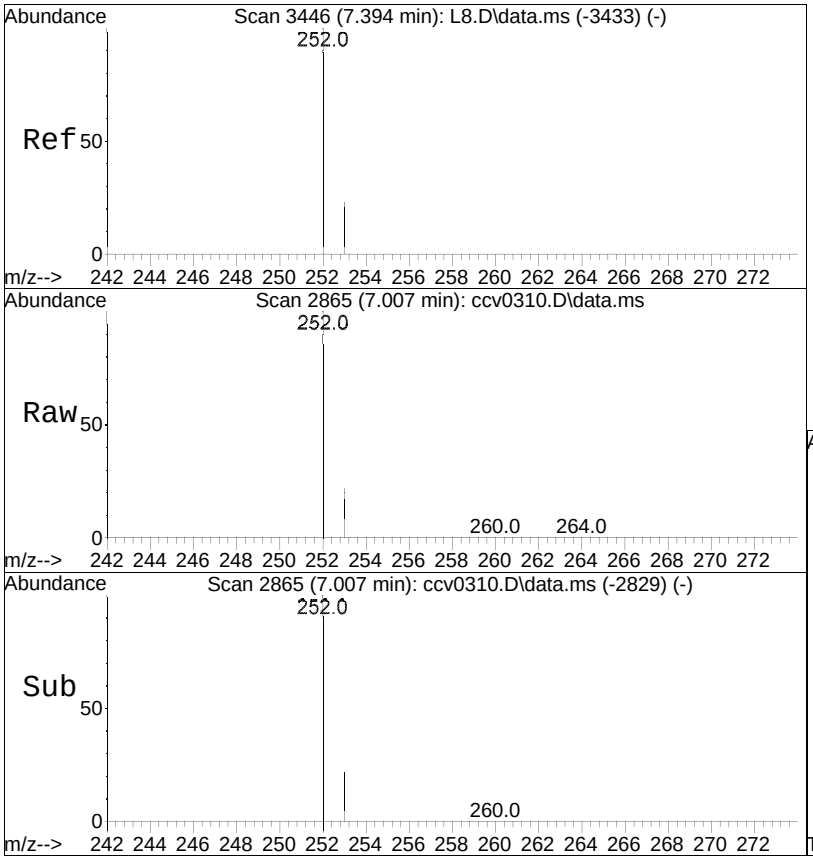


#37
Bis(2-ethylhexyl)phthalate
Concen: 1122.01 ng/ml
RT: 6.209 min Scan# 2368
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:149 Resp: 256441

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.7	31.1

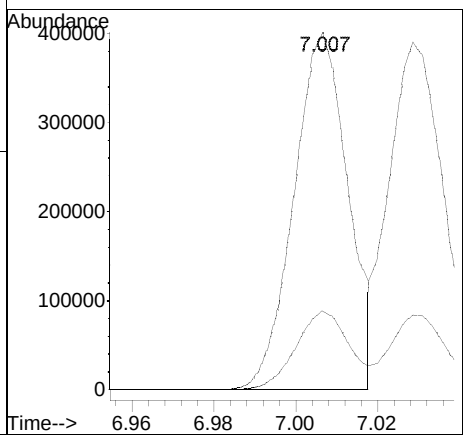


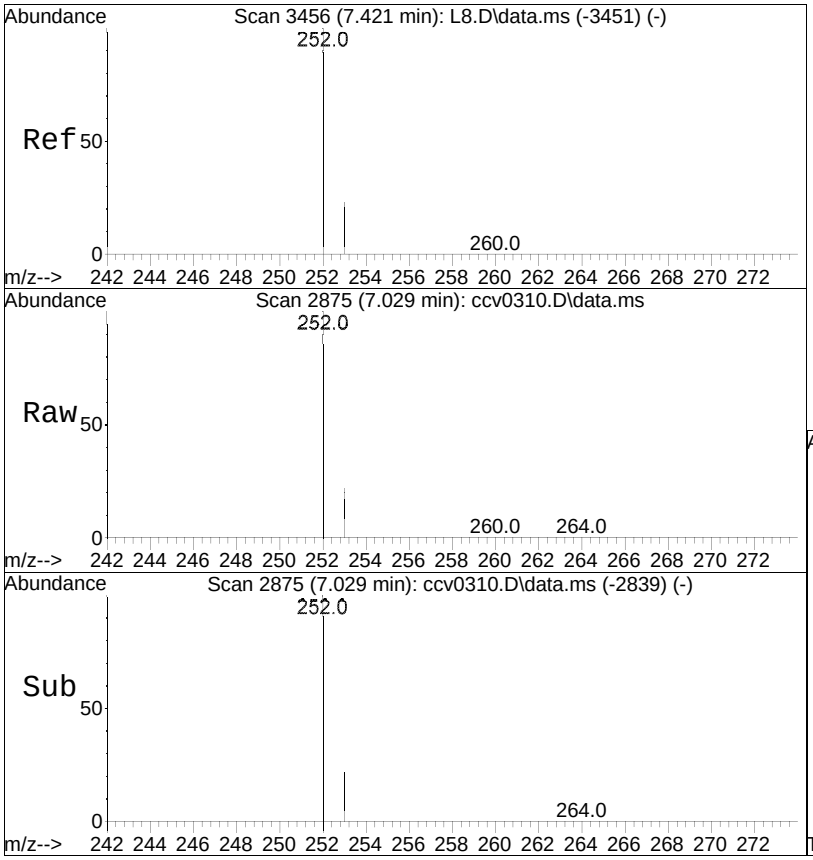


#39
Benzo[b]fluoranthene
Concen: 920.70 ng/ml
RT: 7.007 min Scan# 2865
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:252 Resp: 368249

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1

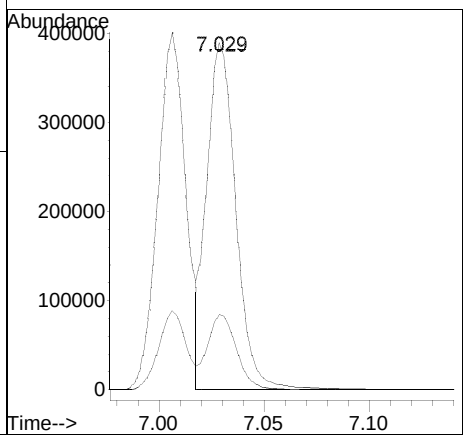


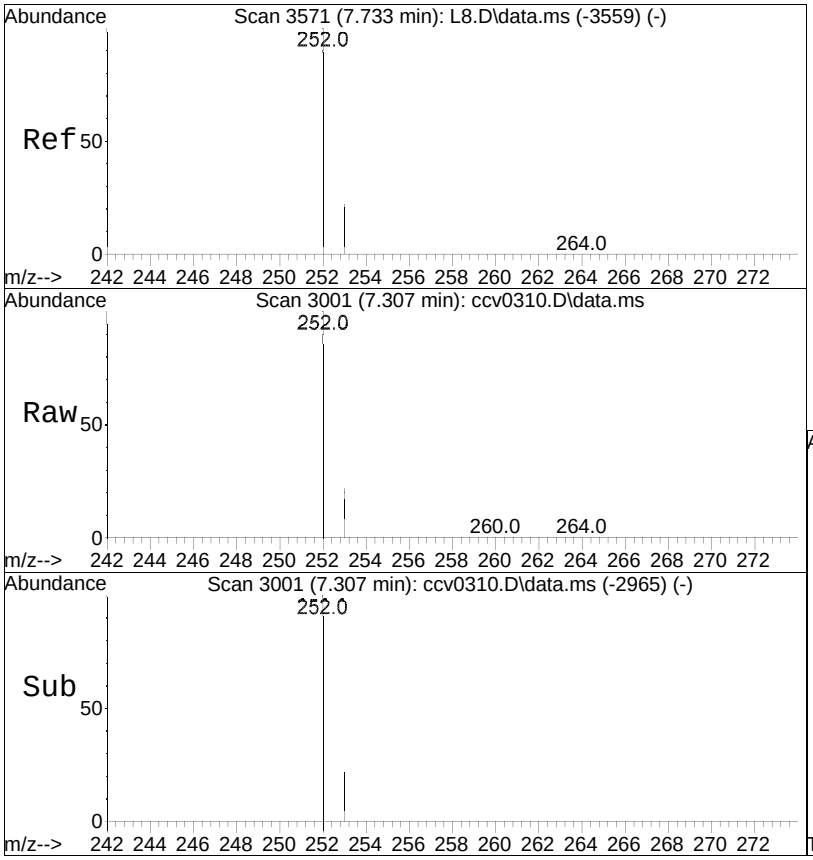


#40
Benzo[k]fluoranthene
Concen: 942.30 ng/ml
RT: 7.029 min Scan# 2875
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:252 Resp: 371662

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2

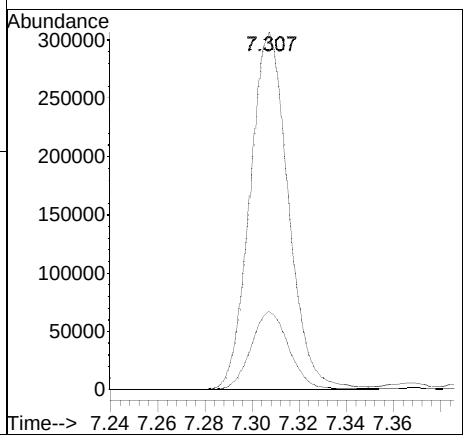


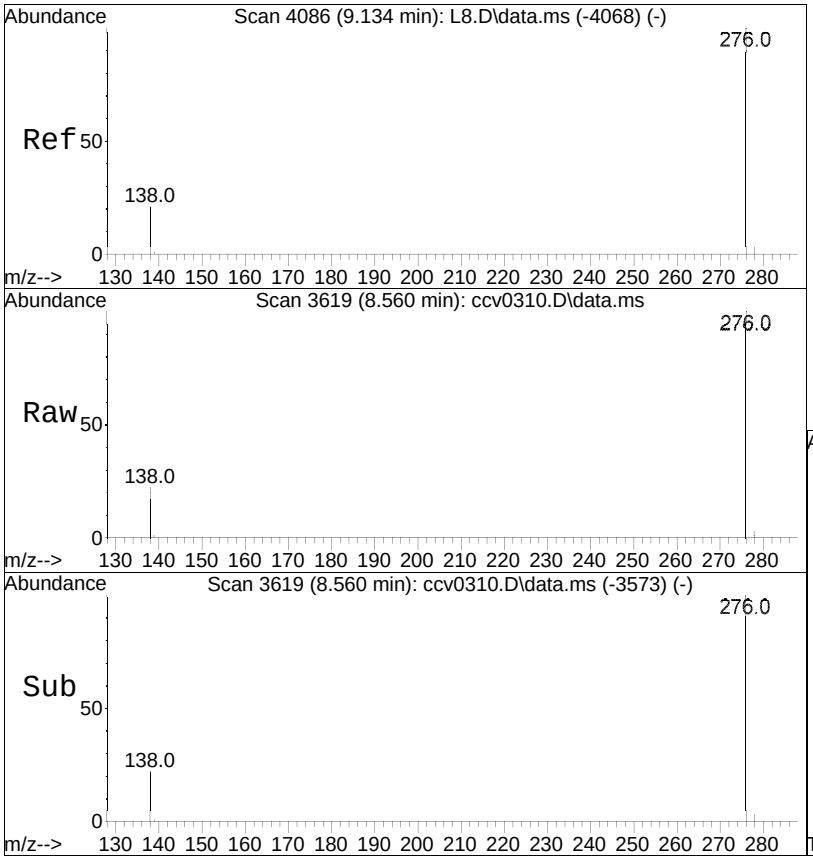


#41
Benzo[a]pyrene
Concen: 1009.44 ng/ml
RT: 7.307 min Scan# 3001
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:252 Resp: 342584

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9

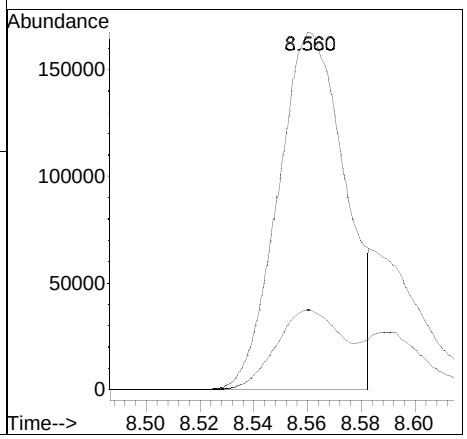


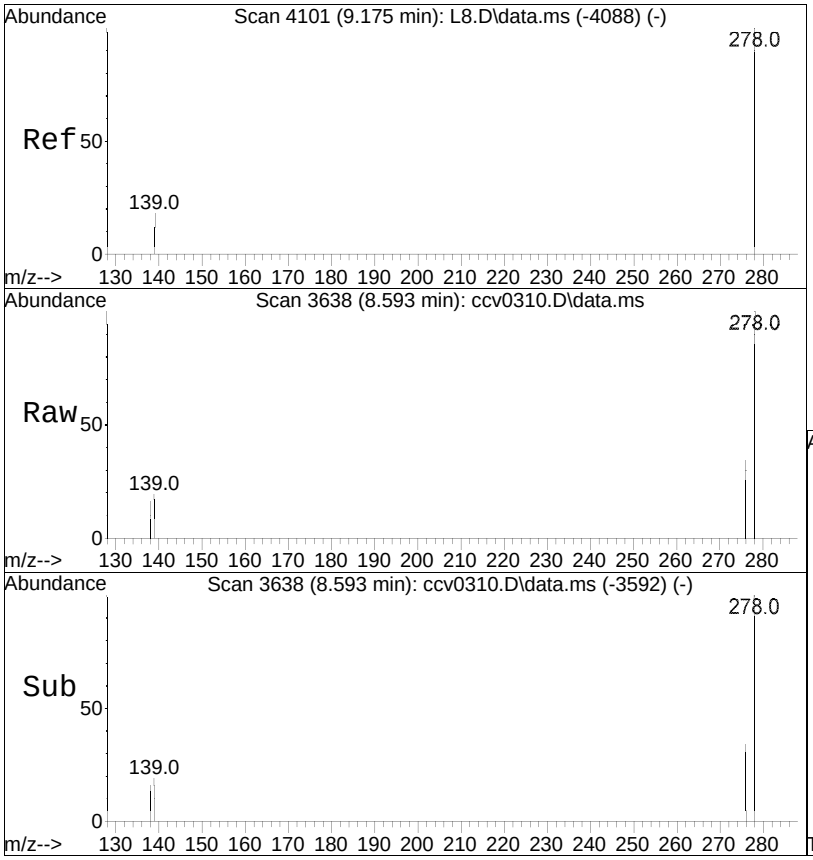


#42
Indeno[1,2,3-cd]pyrene
Concen: 878.98 ng/ml M6
RT: 8.560 min Scan# 3619
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:276 Resp: 288799

Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.9	25.3

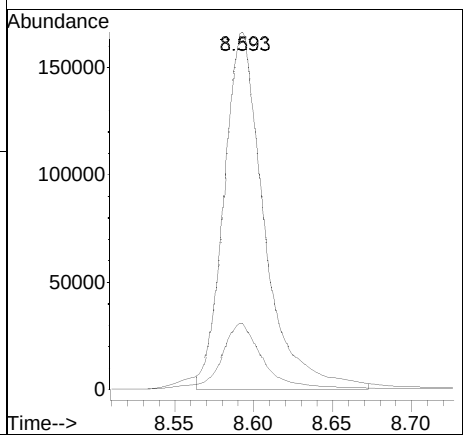


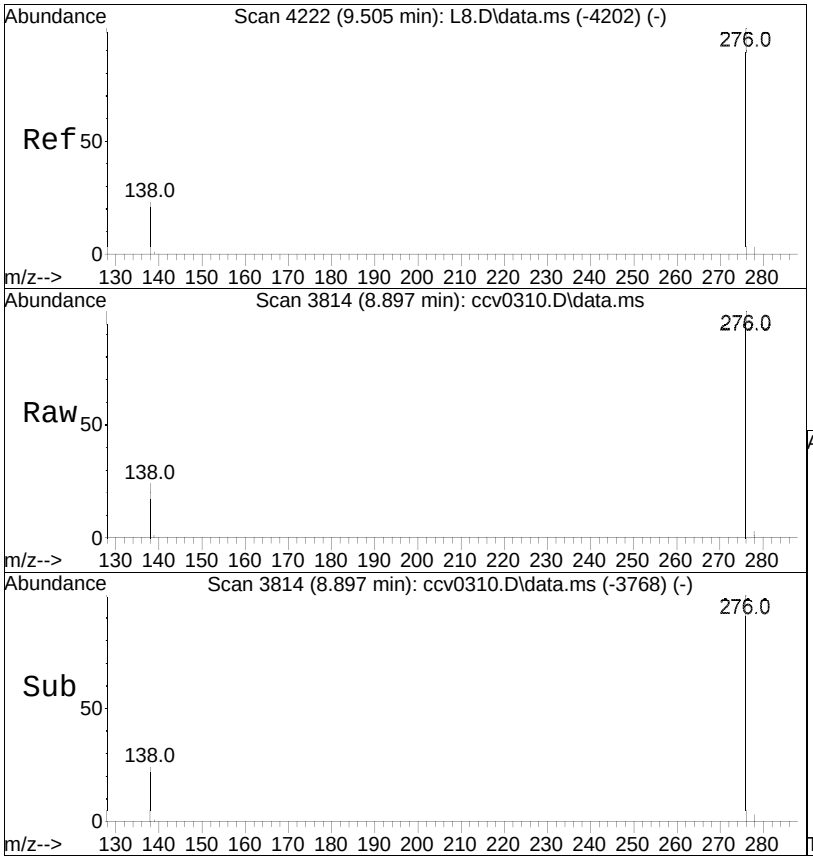


#43
Dibenzo[a,h]anthracene
Concen: 966.89 ng/ml M6
RT: 8.593 min Scan# 3638
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:278 Resp: 294709

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.6	22.0

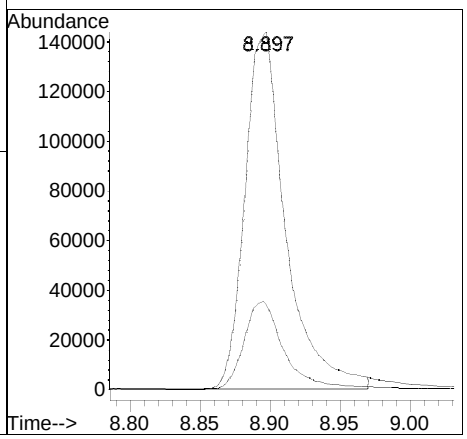




#44
Benzo[g,h,i]perylene
Concen: 921.02 ng/ml
RT: 8.897 min Scan# 3814
Delta R.T. 0.000 min
Lab File: ccv0310.D
Acq: 10 Mar 2025 06:36 am

Tgt Ion:276 Resp: 288022

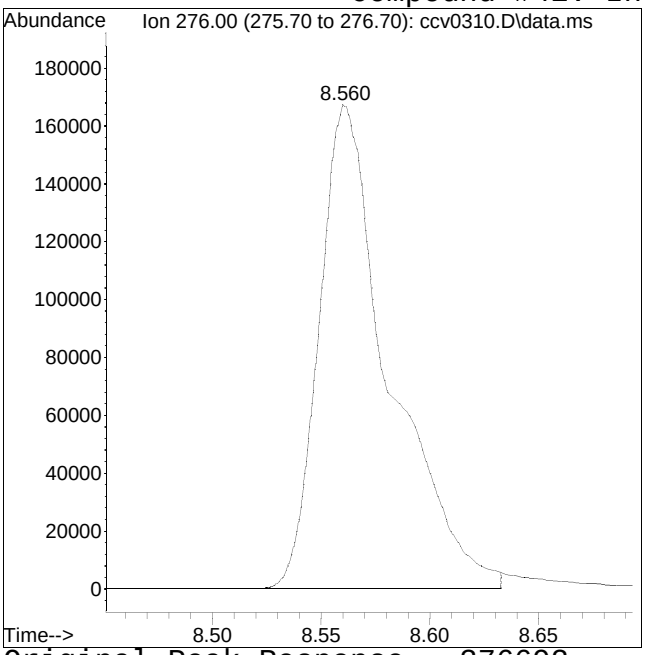
Ion	Ratio	Lower	Upper
276	100		
138	24.5	18.6	28.0



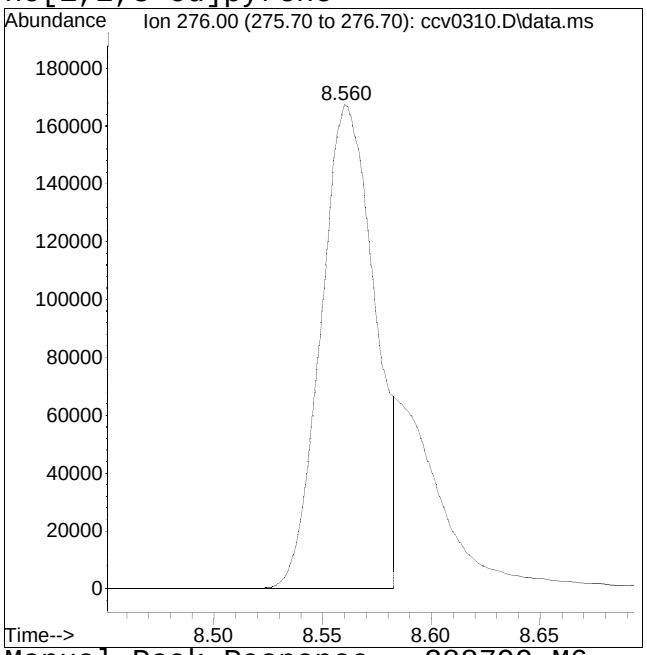
Manual Integration Report

Data Path : I:\8270SIM\sv119\250310RVTQMethod : SIM-RVT_241229_sv119.M
Data File : ccv0310.D Operator : sv119:dv
Date Inj'd : 3/10/2025 6:36 am Instrument : SV119
Sample : wg2038430-3,32,,ICV 11275 Quant Date : 3/10/2025 6:52 am

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 376692



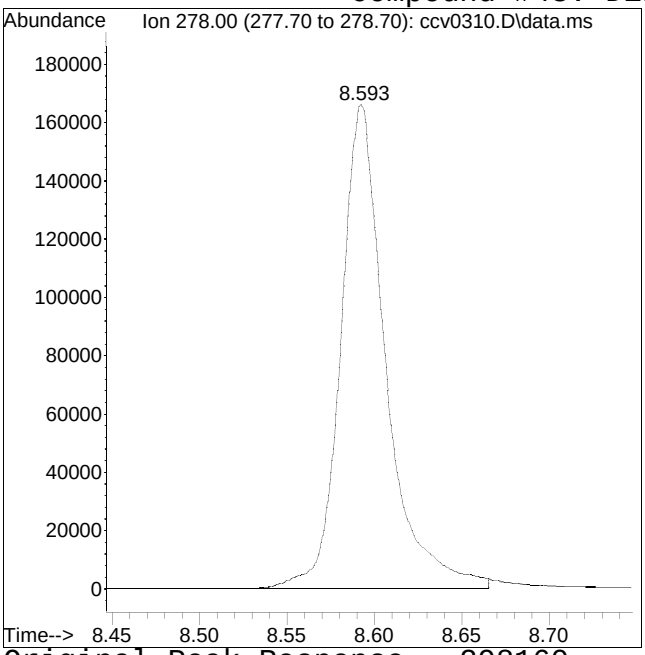
Manual Peak Response = 288799 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

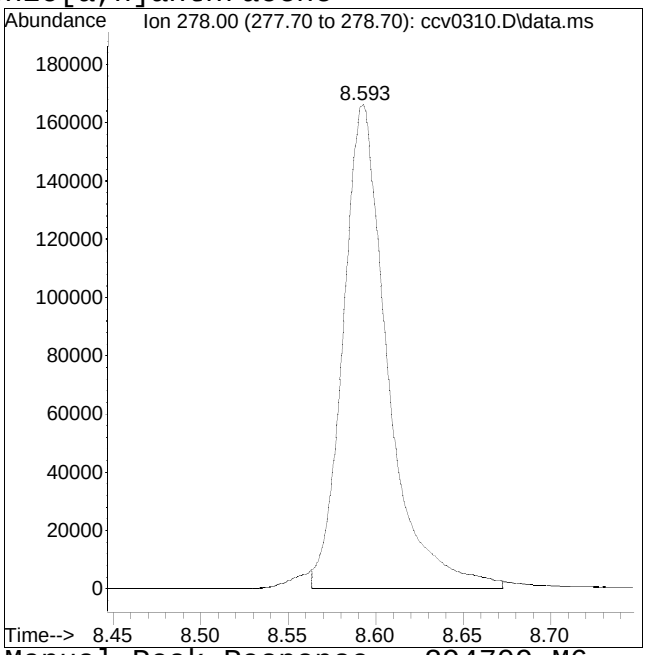
Manual Integration Report

Data Path : I:\8270SIM\sv119\250310RVTQMethod : SIM-RVT_241229_sv119.M
Data File : ccv0310.D Operator : sv119:dv
Date Inj'd : 3/10/2025 6:36 am Instrument : SV119
Sample : wg2038430-3,32,,ICV 11275 Quant Date : 3/10/2025 6:52 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 298160



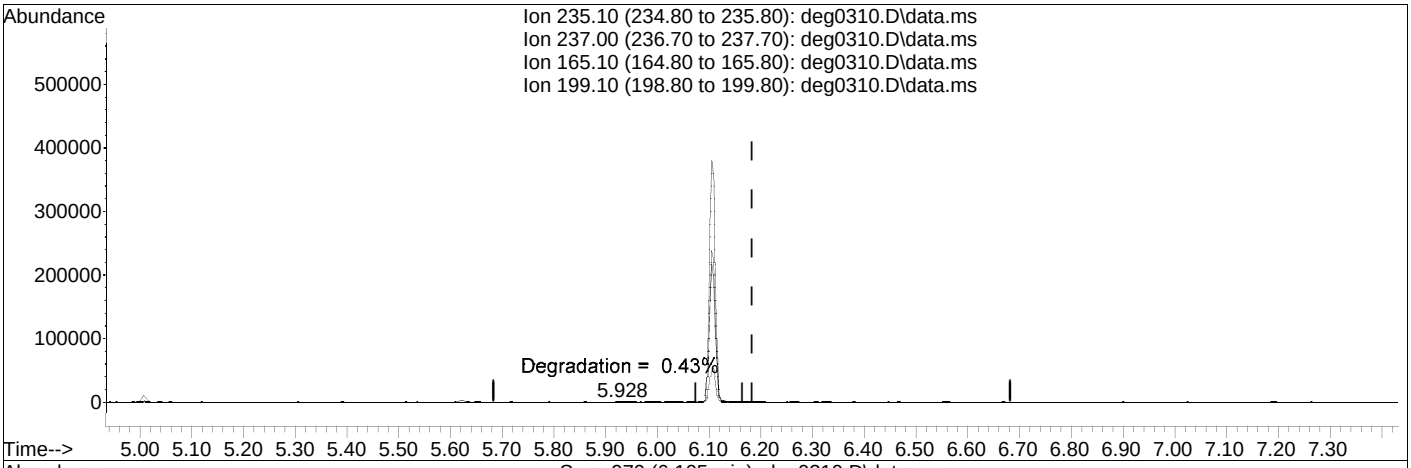
Manual Peak Response = 294709 M6

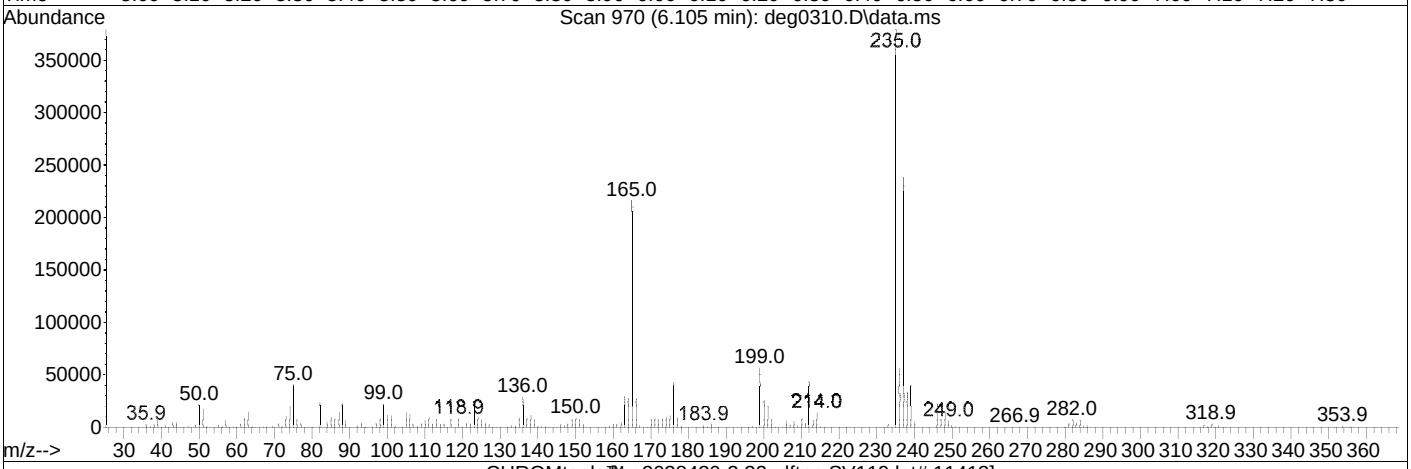
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : deg0310.D
Acq On : 10 Mar 2025 06:19 am
Operator : sv119:dv
Sample : wg2038430-2,32,,dftpp SV119 lot# 11413
Misc : wg2038430,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 10 06:32:19 2025
Quant Method : I:\8270SIM\sv119\250310RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2038430-2,32,,dftpp SV119 lot# 11413]

(6) ddt (T)

6.105min (-0.078) 47.29

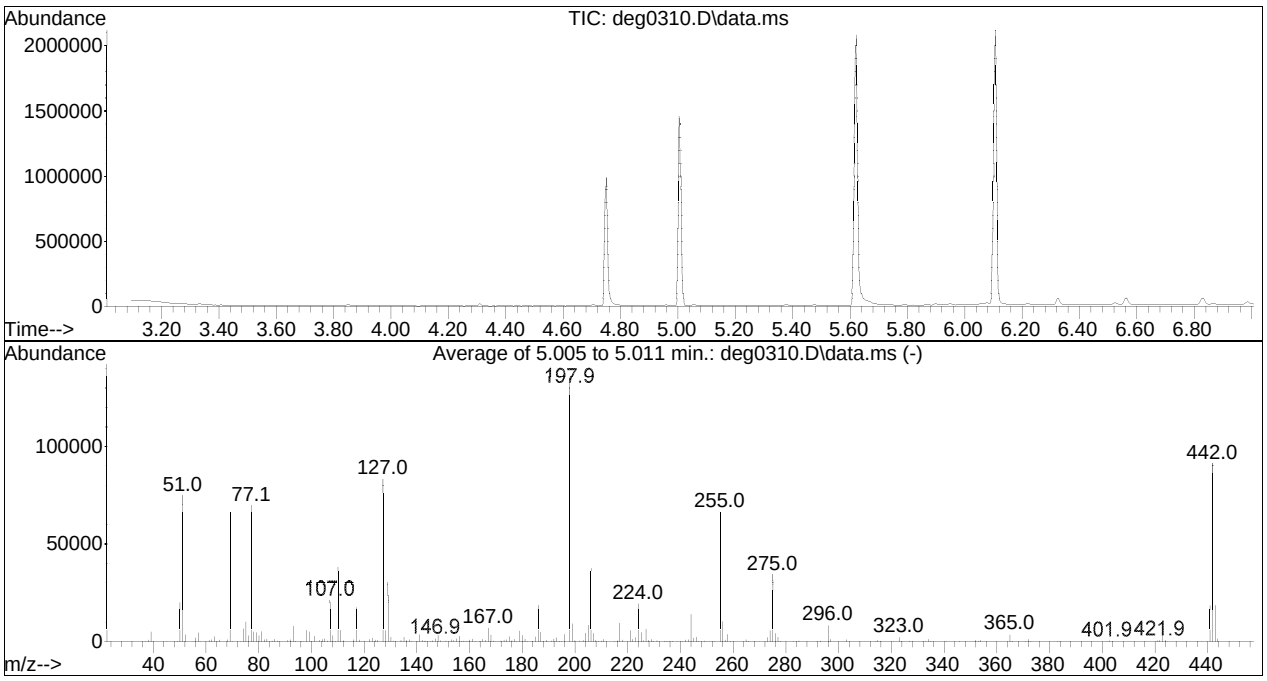
response 288257

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.52
165.10	53.30	55.84
199.10	17.10	14.66

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : deg0310.D
Acq On : 10 Mar 2025 06:19 am
Operator : sv119:dv
Sample : wg2038430-1,32,,dftpp SV119 lot# 11413
Misc : wg2038430,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250310RVT\dftppsv119.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Jan 31 09:20:30 2025



Spectrum Information: Average of 5.005 to 5.011 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	55.2	74592	PASS
68	69	0.00	2	1.9	1280	PASS
70	69	0.00	2	0.6	389	PASS
127	198	10	80	61.4	83016	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	135237	PASS
199	198	5	9	6.9	9339	PASS
275	198	10	60	25.2	34069	PASS
365	198	1	100	2.8	3738	PASS
441	442	0.01	24	20.1	18301	PASS
442	198	50	100	67.4	91171	PASS
443	442	15	24	20.2	18378	PASS

Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	15	54.90	231	68.00	1280	81.00	5278
36.90	306	56.00	2316	69.00	66000	81.90	1257
37.95	1069	56.95	4795	69.90	389	82.95	1592
38.95	5199	57.85	265	73.00	379	83.80	225
39.90	330	59.00	128	74.00	6706	84.90	720
44.90	229	61.00	1017	75.00	10113	85.95	1435
48.90	494	62.00	1241	76.00	3303	86.95	685
50.00	19905	63.00	2832	77.10	69581	87.85	184
51.00	74592	64.00	267	78.00	5083	90.90	976
52.05	3756	65.05	1201	79.00	4972	91.90	1314
53.00	55	65.70	50	79.95	3370	93.00	7942

Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.85	549	104.90	1667	117.00	17379	129.00	29907
94.80	123	106.00	671	118.00	1210	130.00	2646
95.95	422	107.00	21176	118.90	265	130.90	696
96.90	137	108.00	3242	119.80	269	131.95	375
98.00	5941	109.05	512	120.80	54	133.00	111
99.00	5238	110.00	37693	121.90	1451	133.85	971
99.85	435	110.95	6036	123.00	1986	135.00	2553
100.95	2990	111.90	818	124.00	1094	135.90	955
101.95	204	112.80	168	124.95	917	136.95	1318
102.95	942	114.90	116	127.00	83016	137.95	412
104.00	1524	116.00	1324	128.00	5786	139.95	324

Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
140.90	3747	150.95	593	162.00	411	173.00	1054
141.90	1036	151.95	242	163.00	57	173.90	1267
142.70	180	153.00	1265	163.80	360	175.00	2808
142.95	737	153.90	1026	164.90	1382	175.95	799
144.00	258	154.95	1770	165.90	1023	176.90	1419
145.05	300	156.00	2936	167.00	7030	177.70	305
145.90	895	157.00	572	168.00	3577	178.95	5622
146.90	1729	157.80	633	168.95	625	180.00	3494
148.00	3435	158.90	423	169.90	219	180.90	1643
149.00	827	159.90	1218	170.85	197	181.80	323
149.90	246	160.95	1591	171.80	669	182.75	130

Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
183.85	418	194.70	328	207.00	4500	220.95	5792
185.00	2618	196.00	3928	207.90	973	221.80	1371
186.00	18432	197.90	135237	208.90	471	223.00	2325
186.95	5033	198.90	9339	209.95	639	224.00	19141
187.90	531	199.90	833	210.90	1507	225.00	4888
189.00	1060	201.50	605	211.75	266	225.90	902
189.70	127	202.00	78	214.80	289	226.95	6610
190.90	652	202.95	975	215.95	864	227.90	907
191.90	1610	204.00	4618	216.90	9608	228.90	1455
192.95	2259	205.05	8472	217.90	1062	229.75	449
194.00	483	206.00	37187	218.80	58	231.00	854

Average of 5.005 to 5.011 min.: deg0310.D\data.ms

wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
231.80	56	243.00	1291	255.00	66339	273.00	2462
232.60	52	244.00	13955	256.00	10290	274.00	5887
233.00	53	245.00	2062	256.90	1037	275.00	34069
233.90	460	246.00	2587	257.90	3887	276.00	4402
234.90	537	246.90	598	258.90	489	277.00	2474
235.95	361	247.85	180	263.65	44	277.95	510
236.90	523	248.90	624	264.85	1210	280.85	53
238.90	225	249.80	177	265.90	420	283.00	344
239.90	269	251.00	180	267.85	179	283.90	236
240.90	431	251.95	149	269.90	244	285.00	691
241.90	1075	252.90	306	272.00	67	291.00	55

Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
291.80	176	314.90	953	335.05	503	372.00	1516
293.10	660	316.00	410	340.95	134	373.00	354
294.00	121	320.90	287	342.00	109	382.95	365
296.00	8339	321.90	115	345.95	538	384.00	134
296.90	1523	323.00	2477	351.95	1014	390.10	68
301.00	53	323.95	500	353.00	495	401.90	430
301.70	123	326.95	553	353.95	986	402.90	763
303.00	1333	327.95	176	354.95	113	403.90	328
303.95	228	331.90	236	365.00	3738	420.90	730
304.90	64	333.10	304	366.00	511	421.95	877
313.90	362	333.95	1465	370.80	399	423.00	6007

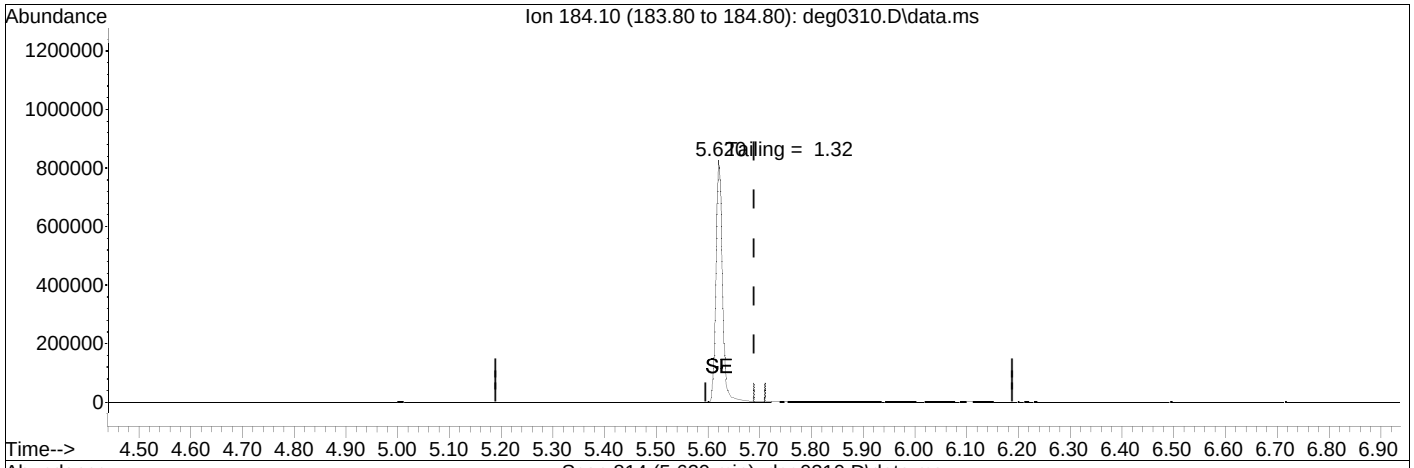
Average of 5.005 to 5.011 min.: deg0310.D\data.ms
wg2038430-1,32,,dftpp SV119 lot# 11413
Modified:subtracted

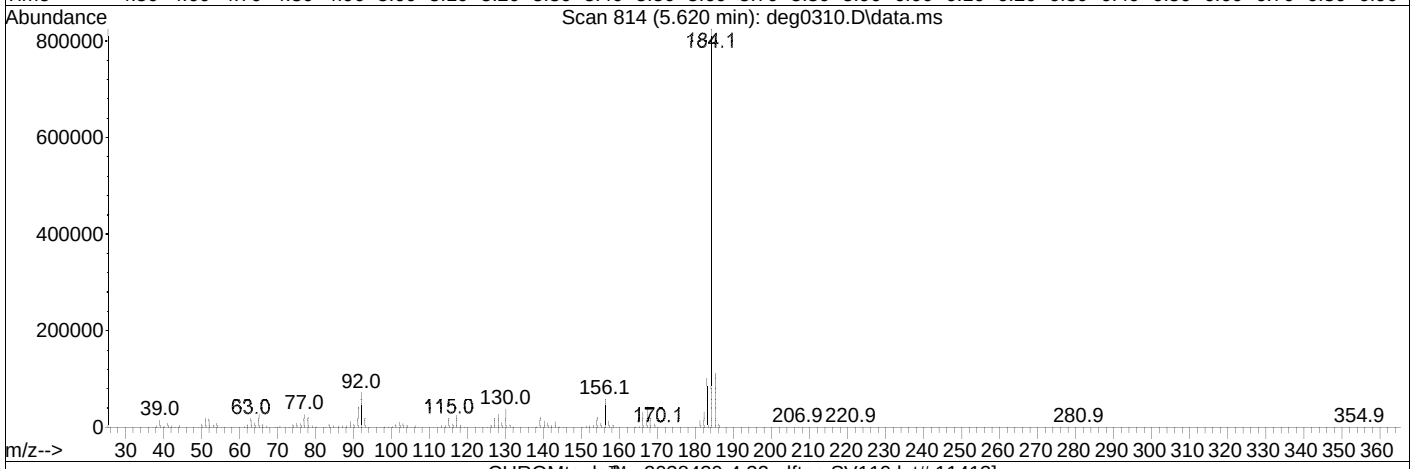
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
424.00	1015						
424.95	110						
436.70	125						
437.80	223						
438.40	83						
439.00	74						
441.05	18301						
442.00	91171						
443.05	18378						
443.90	1744						

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : deg0310.D
Acq On : 10 Mar 2025 06:19 am
Operator : sv119:dv
Sample : wg2038430-4,32,,dftpp SV119 lot# 11413
Misc : wg2038430,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 10 06:32:19 2025
Quant Method : I:\8270SIM\sv119\250310RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2038430-4,32,,dftpp SV119 lot# 11413]

(3) benzidine (T)

5.620min (-0.069) 68.60

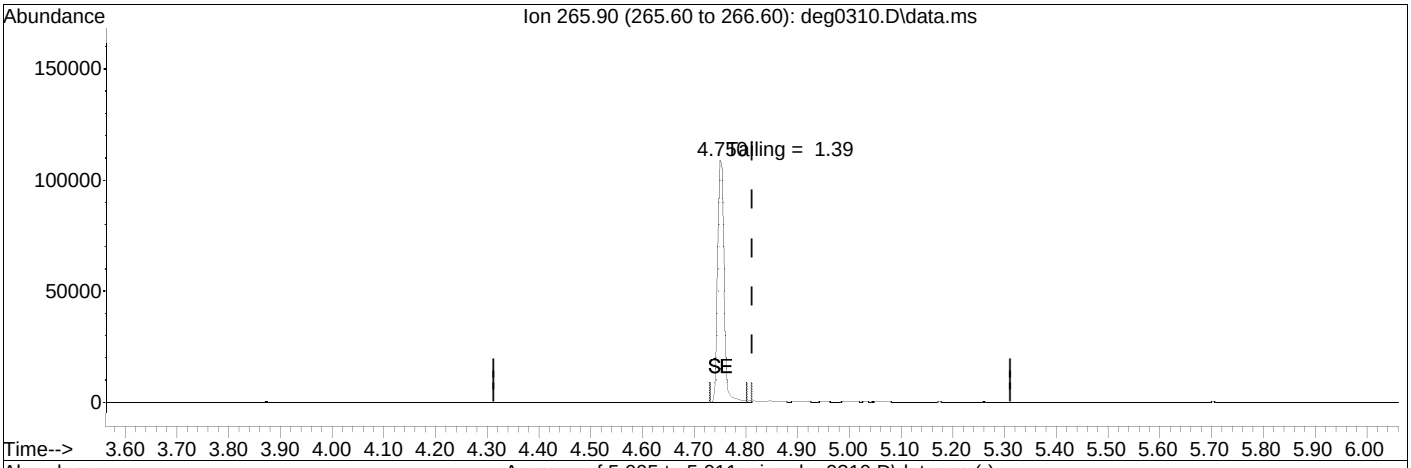
response 698381

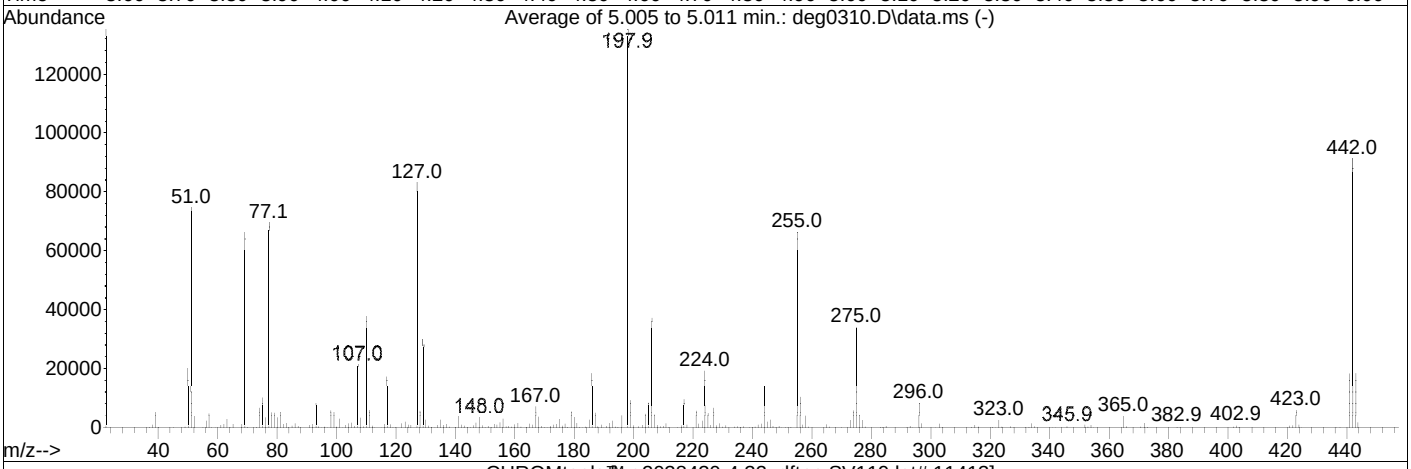
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : deg0310.D
Acq On : 10 Mar 2025 06:19 am
Operator : sv119:dv
Sample : wg2038430-5,32,,dftpp SV119 lot# 11413
Misc : wg2038430,,ical21826
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Mar 10 06:32:19 2025
Quant Method : I:\8270SIM\sv119\250310RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:20:30 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [wg2038430-4,32,,dftpp SV119 lot# 11413]

(1) pentachlorophenol (T)

4.750min (-0.062) 41.01

response 86134

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

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 037073-1.D
Acq On : 06 Mar 2025 08:09 am
Operator : SV118:jjw
Sample : WG2037073-1,32,,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 11:27:42 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.313	152	188505	4000.000	ng/ml	0.00
Standard Area 1 = 304898			Recovery = 61.83%			
9) Naphthalene-d8	2.994	136	726865	4000.000	ng/ml	0.00
Standard Area 1 = 1185674			Recovery = 61.30%			
18) Acenaphthene-d10	3.982	164	415112	4000.000	ng/ml	0.00
Standard Area 1 = 695826			Recovery = 59.66%			
23) Phenanthrene-d10	4.819	188	879169	4000.000	ng/ml	0.00
Standard Area 1 = 1439780			Recovery = 61.06%			
33) Chrysene-d12	6.346	240	925631	4000.000	ng/ml	0.00
Standard Area 1 = 1382767			Recovery = 66.94%			
38) Perylene-d12	7.574	264	868914	4000.000	ng/ml	0.00
Standard Area 1 = 1363554			Recovery = 63.72%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.709	112	53358	925.675	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.28%			
4) Phenol-d6	2.120	99	57685	835.204	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.76%			
8) Nitrobenzene-d5	2.602	82	56833	1007.700	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.77%			
14) 2-Fluorobiphenyl	3.598	172	152373	957.334	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.73%			
22) 2,4,6-Tribromophenol	4.426	330	28477	1482.986	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 74.15%			
32) 4-Terphenyl-d14	5.716	244	244733	1198.290	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 119.83%			

Target Compounds				Qvalue
5) Bis(2-chloroethyl)ether	0.000	0	N.D. d	
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 037073-1.D
Acq On : 06 Mar 2025 08:09 am
Operator : SV118:jjw
Sample : WG2037073-1,32,,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 11:27:42 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

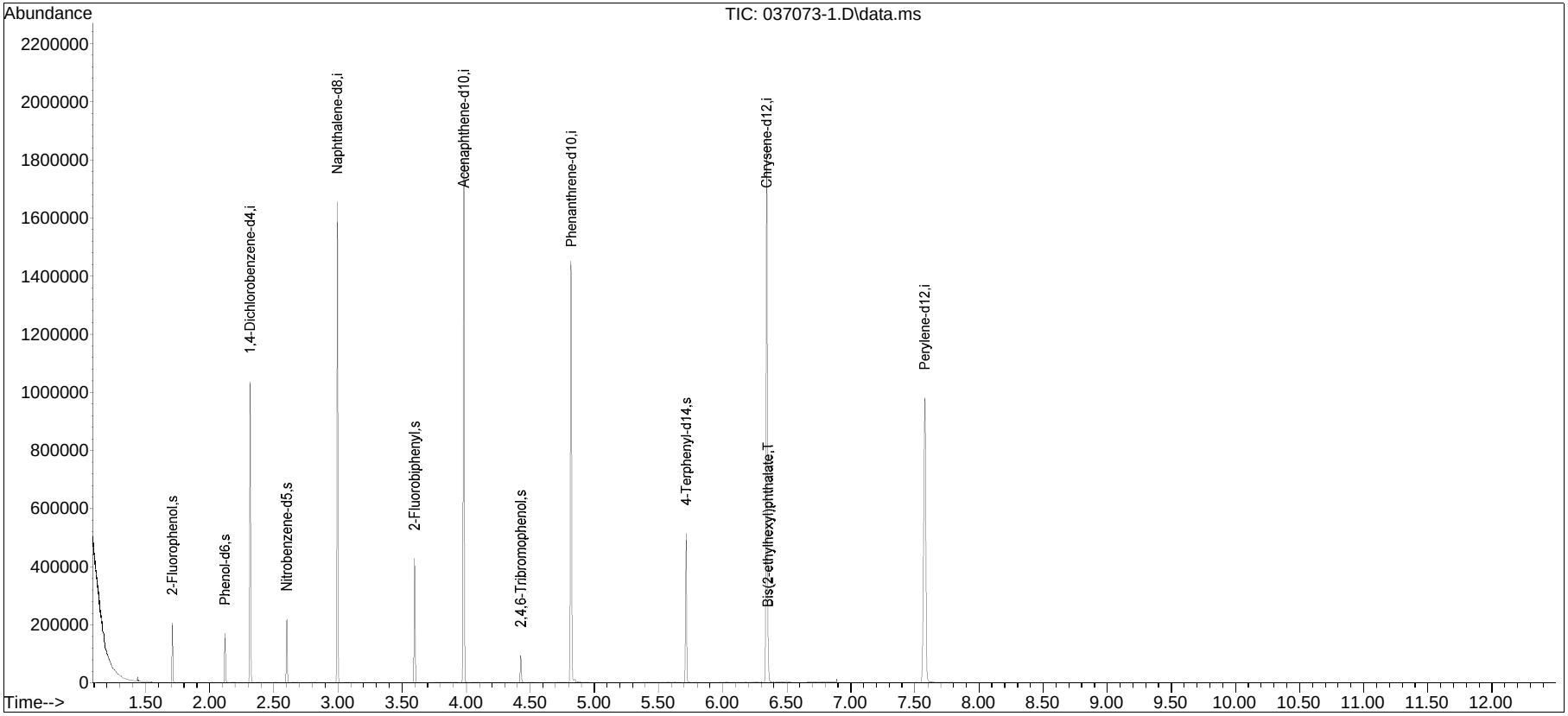
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 037073-1.D
Acq On : 06 Mar 2025 08:09 am
Operator : SV118:jjw
Sample : WG2037073-1,32,,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 06 11:27:42 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0306a.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250306a	RVQMethod	: SIM-RVT_250203sv118.M
Data File	: 037073-1.D	Operator	: SV118:jjw
Date Inj'd	: 3/6/2025 8:09 am	Instrument	: SV118
Sample	: WG2037073-1,32,,kmh	Quant Date	: 3/6/2025 8:22 am

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-1.D
Acq On : 10 Mar 2025 03:33 pm
Operator : sv119:dv
Sample : WG2038541-1,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 10 16:02:48 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	246127	4000.000	ng/ml	0.00
Standard Area 1 = 260626			Recovery = 94.44%			
9) Naphthalene-d8	2.859	136	1000173	4000.000	ng/ml	0.00
Standard Area 1 = 1055214			Recovery = 94.78%			
18) Acenaphthene-d10	3.827	164	613027	4000.000	ng/ml	0.00
Standard Area 1 = 633060			Recovery = 96.84%			
23) Phenanthrene-d10	4.661	188	1320051	4000.000	ng/ml	0.00
Standard Area 1 = 1362342			Recovery = 96.90%			
33) Chrysene-d12	6.198	240	1095066	4000.000	ng/ml	0.00
Standard Area 1 = 1279573			Recovery = 85.58%			
38) Perylene-d12	7.371	264	1022411	4000.000	ng/ml	0.00
Standard Area 1 = 1206831			Recovery = 84.72%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.638	112	87680	1329.556	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 66.48%			
4) Phenol-d6	2.034	99	82917	1007.380	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.37%			
8) Nitrobenzene-d5	2.485	82	69756	873.949	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.39%			
14) 2-Fluorobiphenyl	3.451	172	181415	743.848	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.38%			
22) 2,4,6-Tribromophenol	4.274	330	44647	1668.703	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 83.44%			
32) 4-Terphenyl-d14	5.572	244	246306	752.139	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.21%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D. d		
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D. d		
15) 2-Chloronaphthalene	0.000		0	N.D. d		
17) Acenaphthylene	0.000		0	N.D. d		
19) Acenaphthene	0.000		0	N.D. d		
21) Fluorene	0.000		0	N.D. d		
25) Hexachlorobenzene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-1.D
Acq On : 10 Mar 2025 03:33 pm
Operator : sv119:dv
Sample : WG2038541-1,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 10 16:02:48 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

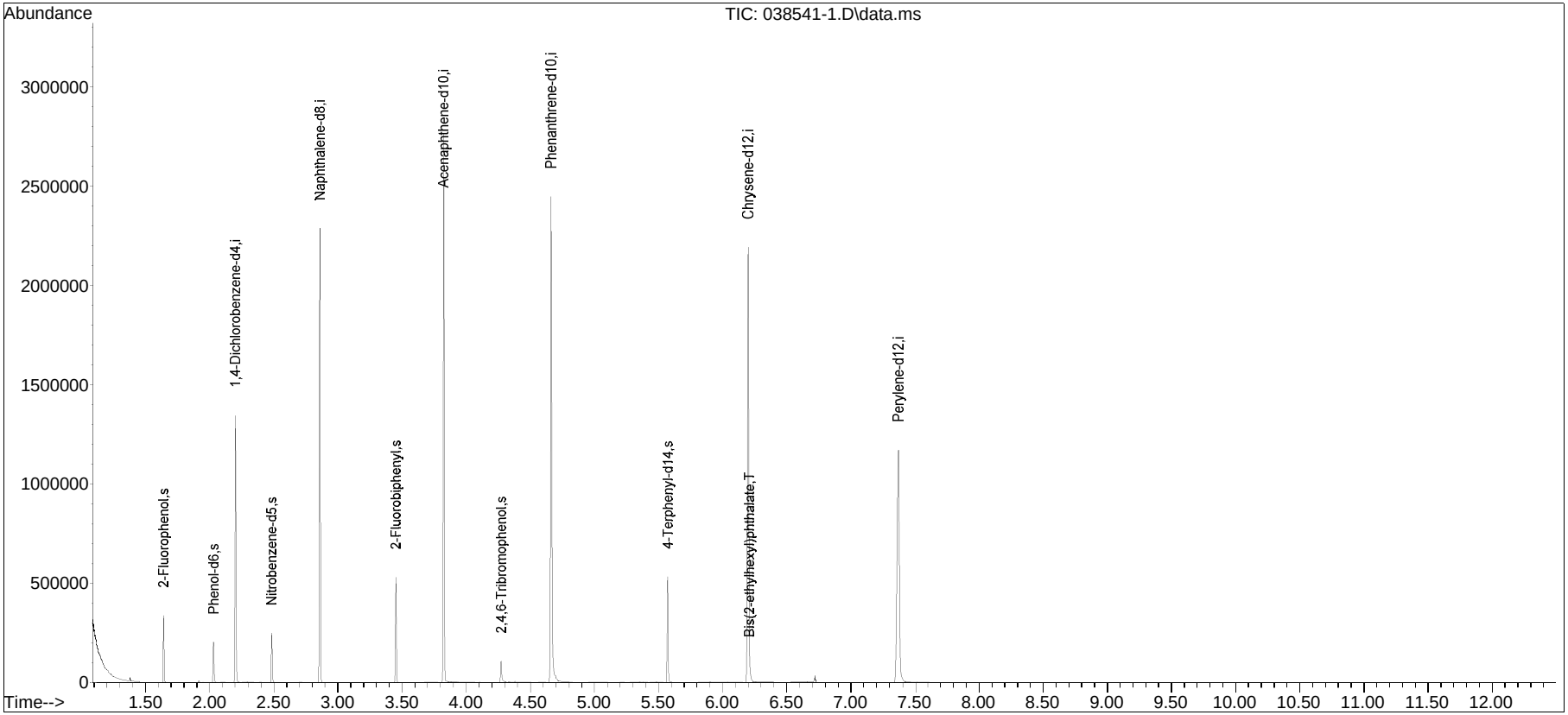
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-1.D
Acq On : 10 Mar 2025 03:33 pm
Operator : sv119:dv
Sample : WG2038541-1,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 10 16:02:48 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0310.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250310RVT	Method	: SIM-RVT_241229_sv119.M
Data File	: 038541-1.D	Operator	: sv119:dv
Date Inj'd	: 3/10/2025 3:33 pm	Instrument	: SV119
Sample	: WG2038541-1,32,,jjw,442	Quant Date	: 3/10/2025 3:47 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-2.D
Acq On : 06 Mar 2025 12:22 pm
Operator : SV118:jjw
Sample : WG2037073-2,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 13:20:36 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.315	152	231143	4000.000	ng/ml	0.00
Standard Area 1 = 304898			Recovery = 75.81%			
9) Naphthalene-d8	2.995	136	976171	4000.000	ng/ml	0.00
Standard Area 1 = 1185674			Recovery = 82.33%			
18) Acenaphthene-d10	3.982	164	601846	4000.000	ng/ml	0.00
Standard Area 1 = 695826			Recovery = 86.49%			
23) Phenanthrene-d10	4.818	188	1154542	4000.000	ng/ml	0.00
Standard Area 1 = 1439780			Recovery = 80.19%			
33) Chrysene-d12	6.349	240	955462	4000.000	ng/ml	0.00
Standard Area 1 = 1382767			Recovery = 69.10%			
38) Perylene-d12	7.580	264	1152571	4000.000	ng/ml	0.00
Standard Area 1 = 1363554			Recovery = 84.53%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.713	112	74254	1050.560	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.53%			
4) Phenol-d6	2.125	99	77051	909.809	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.49%			
8) Nitrobenzene-d5	2.602	82	59769	864.269	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.43%			
14) 2-Fluorobiphenyl	3.598	172	174670	817.149	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.71%			
22) 2,4,6-Tribromophenol	4.426	330	49627	1782.546	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 89.13%			
32) 4-Terphenyl-d14	5.715	244	198357	739.571	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.96%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.249	74	48063	No Calib #		
5) Bis(2-chloroethyl)ether	2.175	93	111965	1488.963	ng/ml	98
6) n-nitrosodi-n-propylamine	2.521	70	92567	1919.526	ng/ml	98
7) Hexachloroethane	2.579	117	35413	1125.857	ng/ml	94
10) Naphthalene	3.006	128	359644	1296.572	ng/ml	100
11) Hexachlorobutadiene	3.079	225	53830	1083.772	ng/ml	100
12) 2-Methylnaphthalene	3.390	142	240680	1394.468	ng/ml	99
13) 1-Methylnaphthalene	3.448	142	248910	1418.968	ng/ml	100
15) 2-Chloronaphthalene	3.666	162	279684	1497.706	ng/ml	92
16) 2,6-Dinitrotoluene	3.863	165	87832	2111.003	ng/ml	96
17) Acenaphthylene	3.901	152	514407	1801.496	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-2.D
Acq On : 06 Mar 2025 12:22 pm
Operator : SV118:jjw
Sample : WG2037073-2,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 13:20:36 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.998	153	308884	1441.692	ng/ml	97
20) 2,4-Dinitrotoluene	4.088	165	117098	1892.970	ng/ml	95
21) Fluorene	4.290	166	375931	1595.890	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.320	198	34035	932.326	ng/ml	98
25) Hexachlorobenzene	4.604	284	132366	1731.052	ng/ml	96
26) Pentachlorophenol	4.719	266	62572	1524.605	ng/ml	100
27) Phenanthrene	4.828	178	573601	1640.947	ng/ml	100
28) Anthracene	4.858	178	587878	1694.412	ng/ml	100
29) Fluoranthene	5.501	202	653768	1642.173	ng/ml	98
30) Pyrene	5.630	202	653278	1585.624	ng/ml	99
31) Benzidine	5.573	184	17700	No Calib #		
34) Benzo[a]anthracene	6.340	226	171031	1694.101	ng/ml#	99
35) 3,3'-Dichlorobenzidine	6.324	252	245346	1922.295	ng/ml	99
36) Chrysene	6.364	228	568767	1725.408	ng/ml#	100
37) Bis(2-ethylhexyl)phtha...	6.357	149	441561	1922.479	ng/ml	99
39) Benzo[b]fluoranthene	7.195	252	690003	1819.422	ng/ml	100
40) Benzo[k]fluoranthene	7.221	252	659065	1826.460	ng/ml	100
41) Benzo[a]pyrene	7.514	252	622947	1974.012	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.830	276	703455	2514.721	ng/ml	99
43) Dibenzo[a,h]anthracene	8.861	278	652841M6	2417.396	ng/ml	
44) Benzo[g,h,i]perylene	9.181	276	662259	2240.509	ng/ml	98

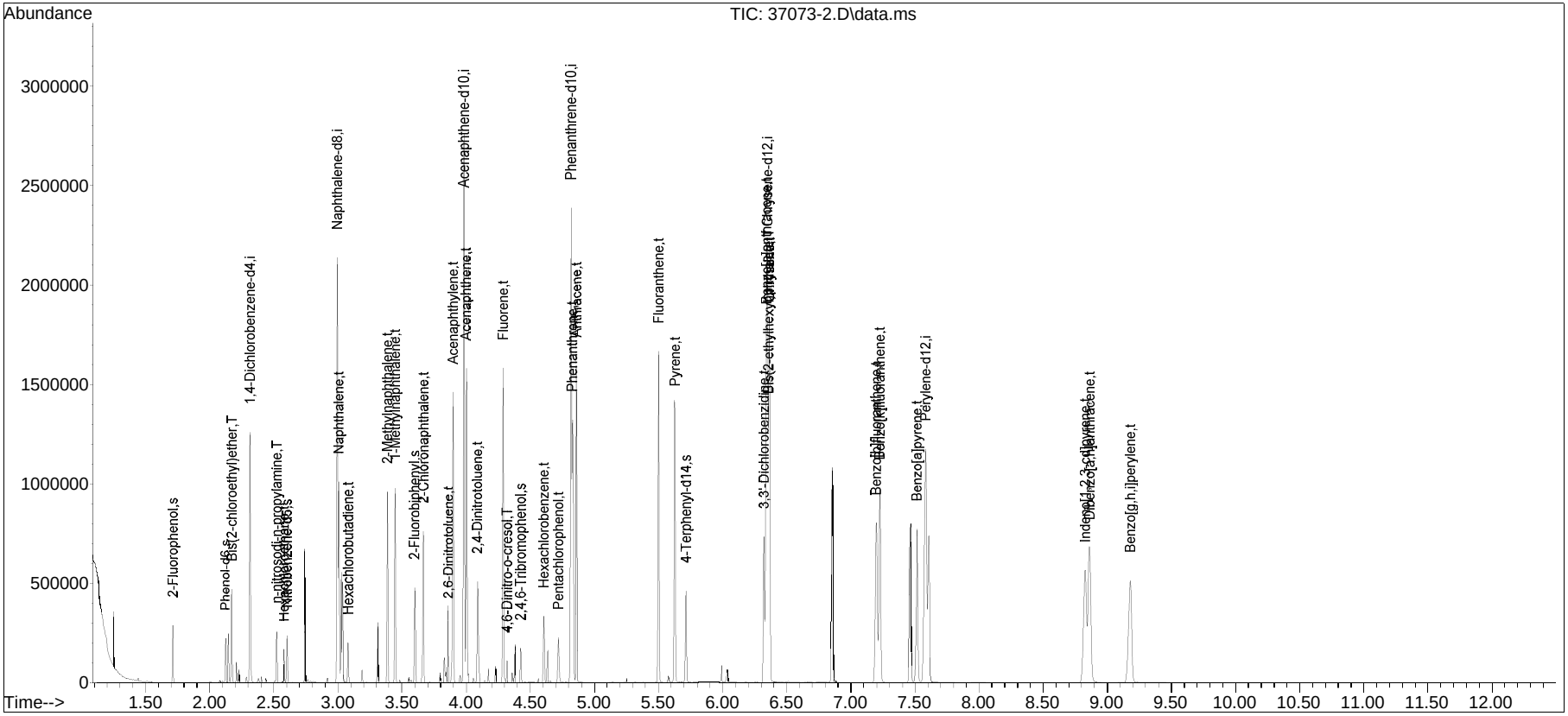
(#) = qualifier out of range (m) = manual integration (+) = signals summed

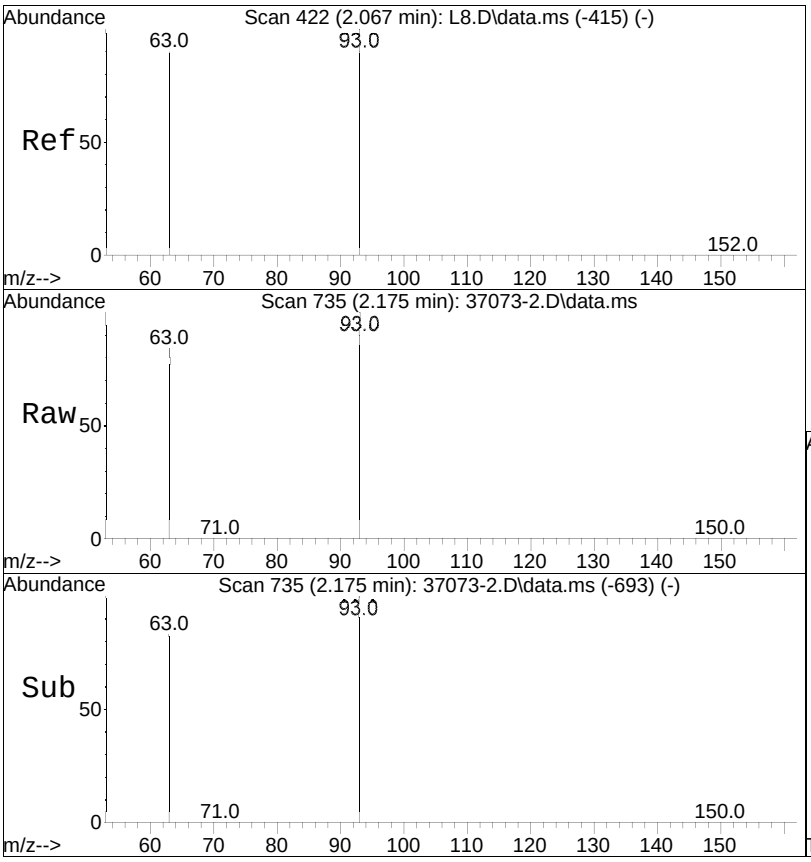
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-2.D
Acq On : 06 Mar 2025 12:22 pm
Operator : SV118:jjw
Sample : WG2037073-2,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 06 13:20:36 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0306a.D•

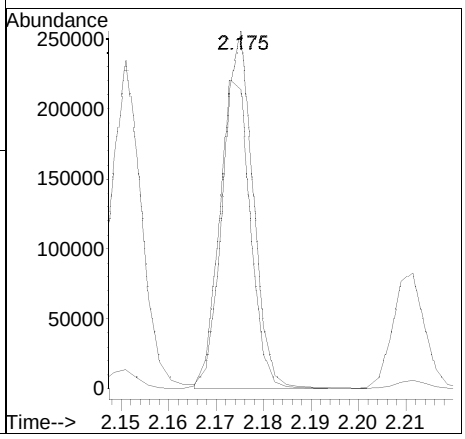


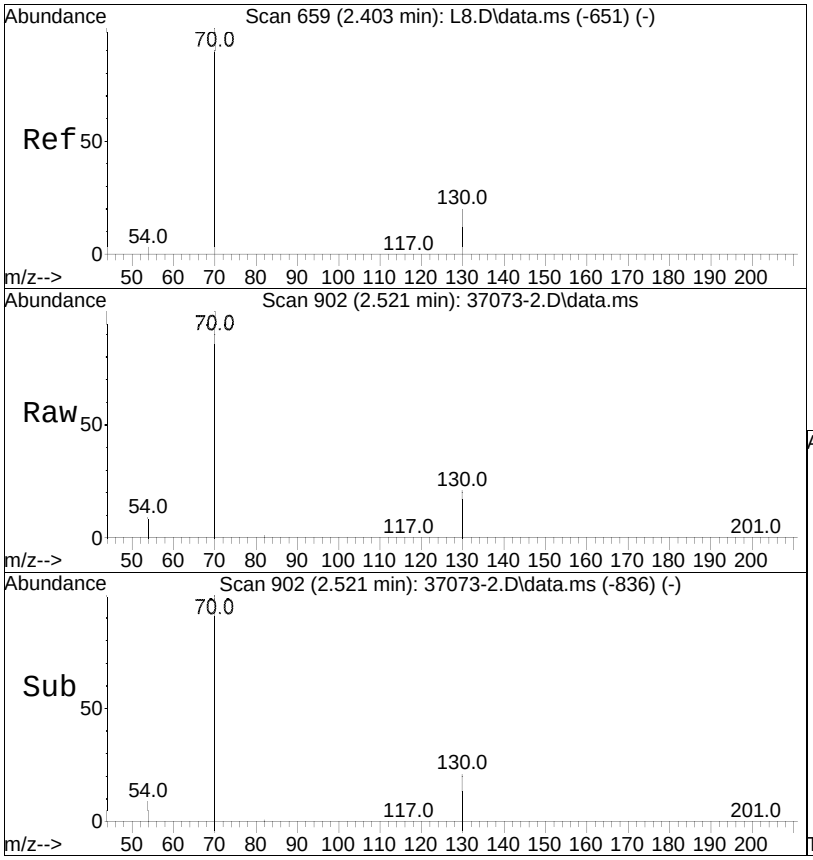


#5
Bis(2-chloroethyl)ether
Concen: 1488.96 ng/ml
RT: 2.175 min Scan# 735
Delta R.T. 0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion: 93 Resp: 111965

Ion	Ratio	Lower	Upper
93	100		
63	90.1	70.2	105.4

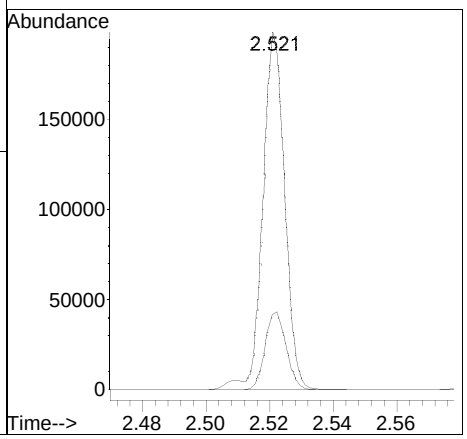


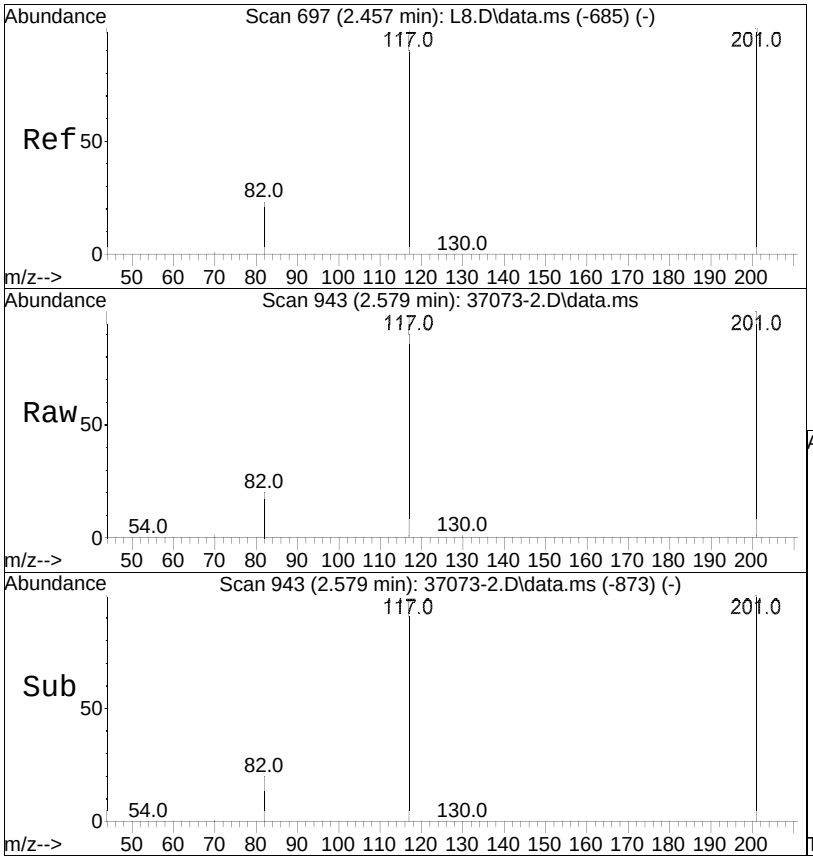


#6
n-nitrosodi-n-propylamine
Concen: 1919.53 ng/ml
RT: 2.521 min Scan# 902
Delta R.T. 0.001 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion: 70 Resp: 92567

Ion	Ratio	Lower	Upper
70	100		
130	21.2	16.2	24.4

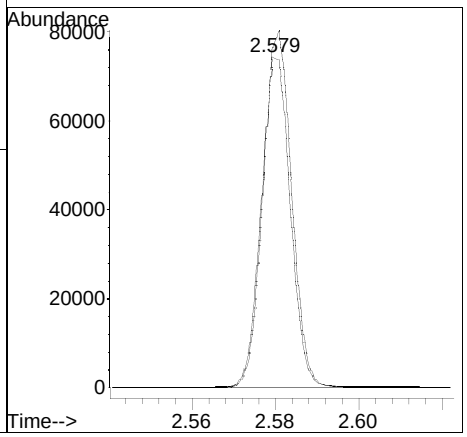


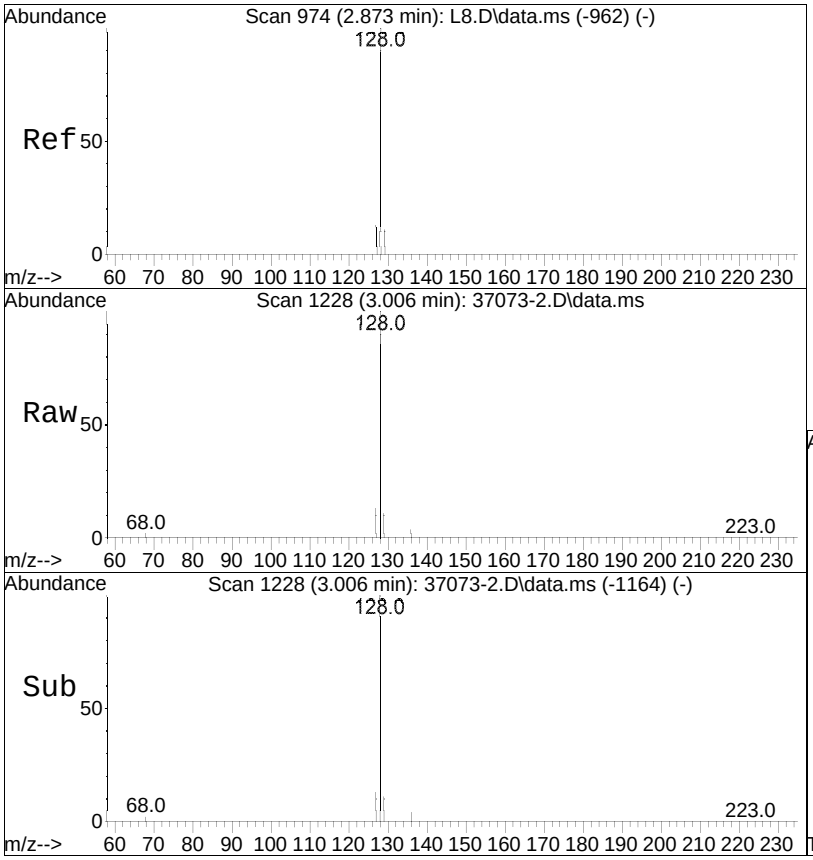


#7
Hexachloroethane
Concen: 1125.86 ng/ml
RT: 2.579 min Scan# 943
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:117 Resp: 35413

Ion	Ratio	Lower	Upper
117	100		
201	106.2	80.5	120.7

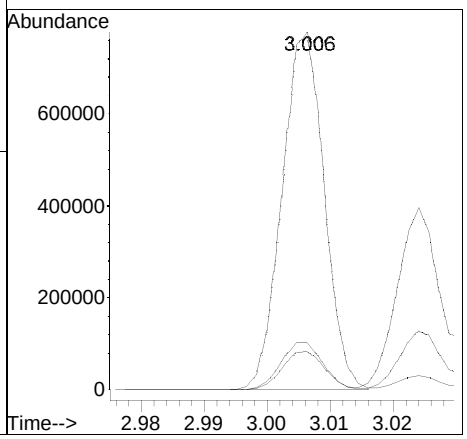


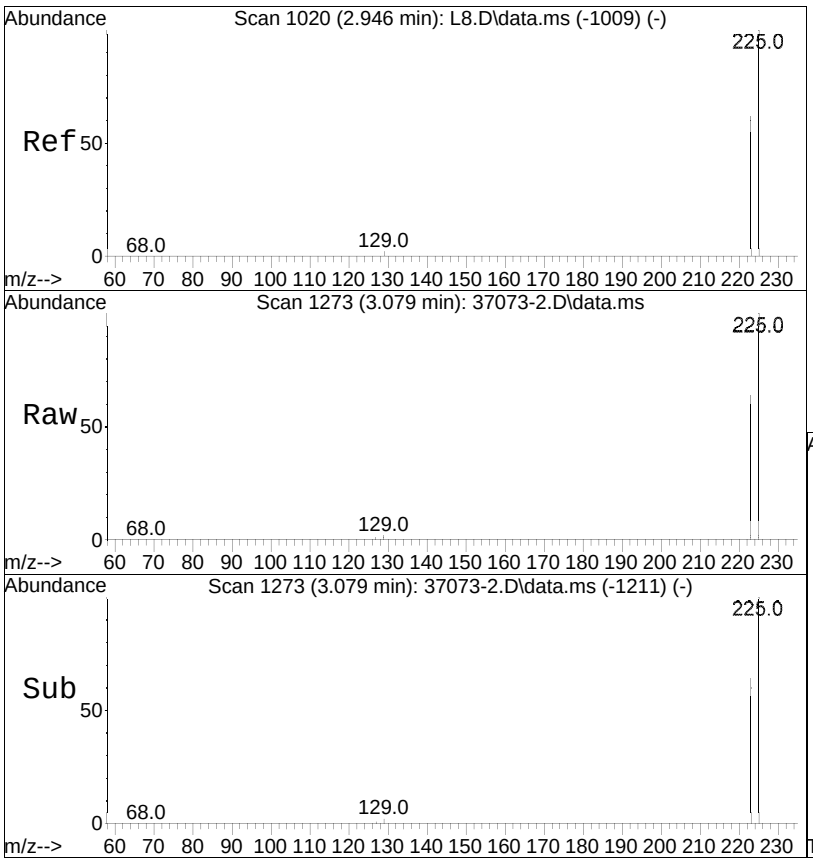


#10
Naphthalene
Concen: 1296.57 ng/ml
RT: 3.006 min Scan# 1228
Delta R.T. 0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:128 Resp: 359644

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	10.6	15.8

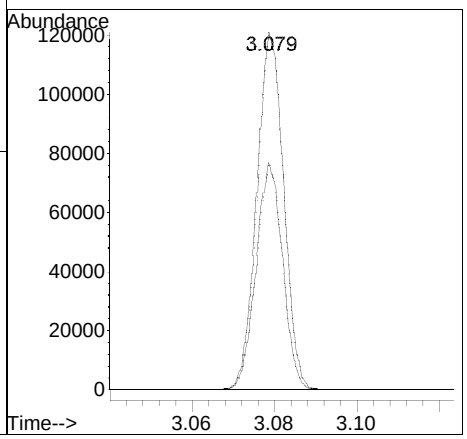


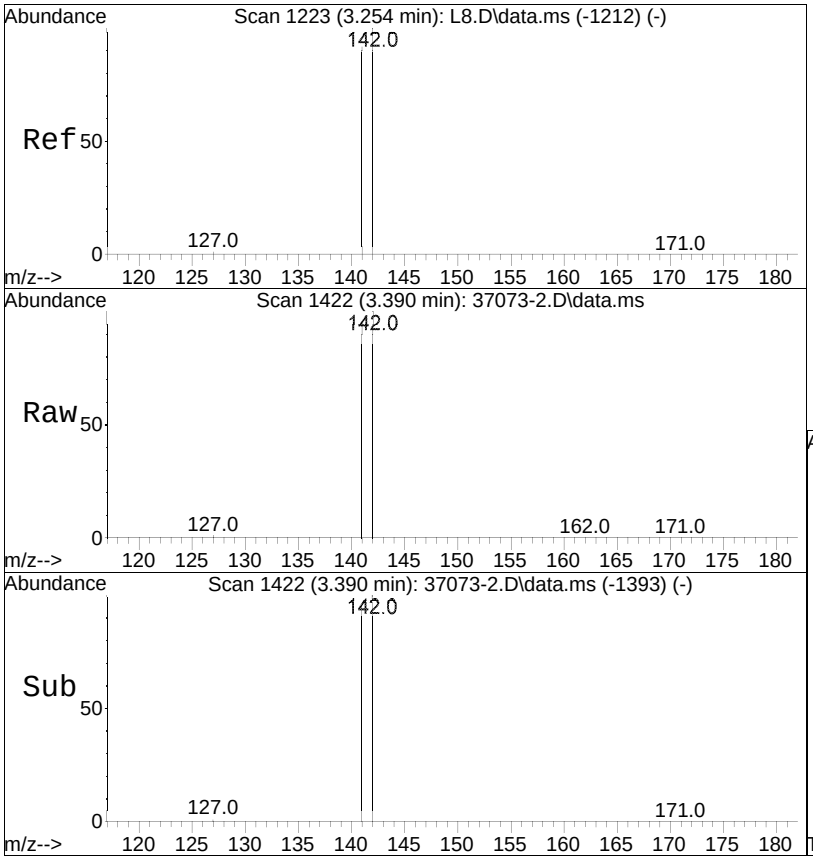


#11
Hexachlorobutadiene
Concen: 1083.77 ng/ml
RT: 3.079 min Scan# 1273
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:225 Resp: 53830

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

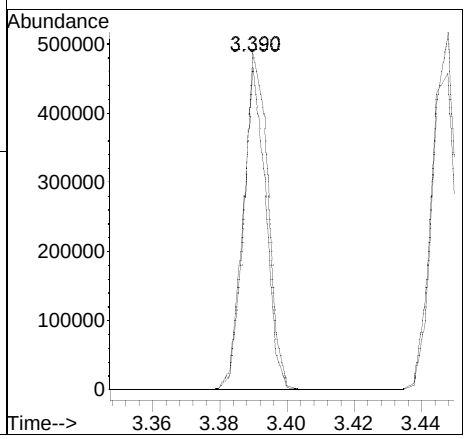


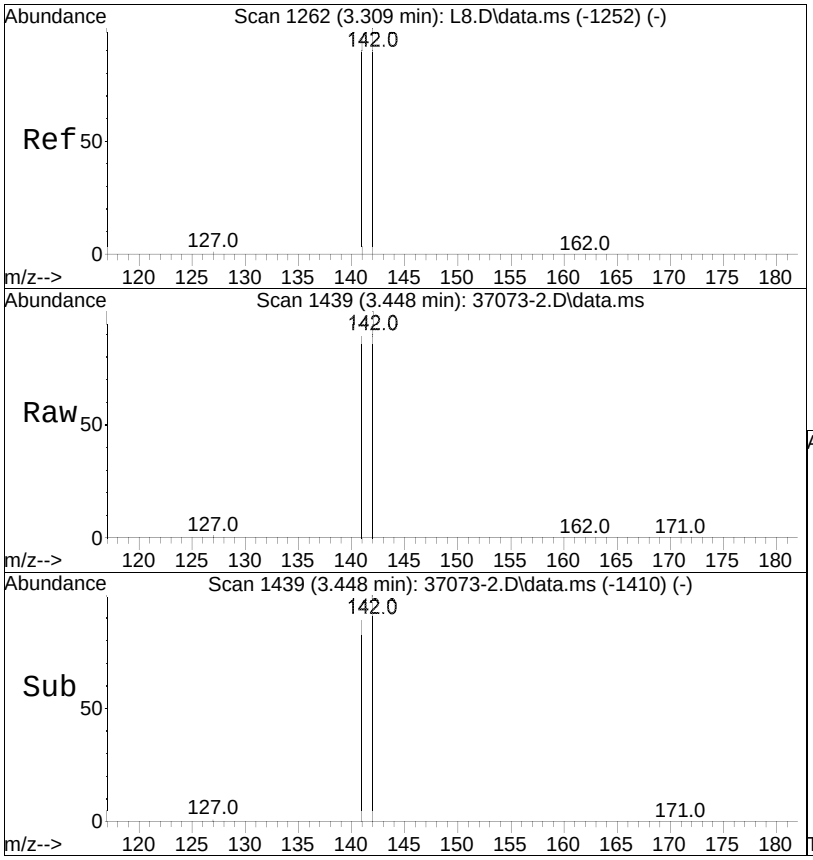


#12
2-Methylnaphthalene
Concen: 1394.47 ng/ml
RT: 3.390 min Scan# 1422
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:142 Resp: 240680

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.4	110.2

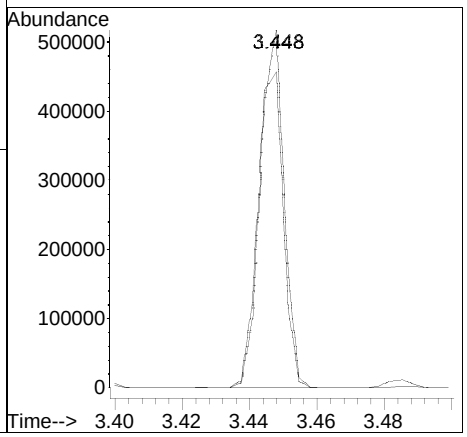


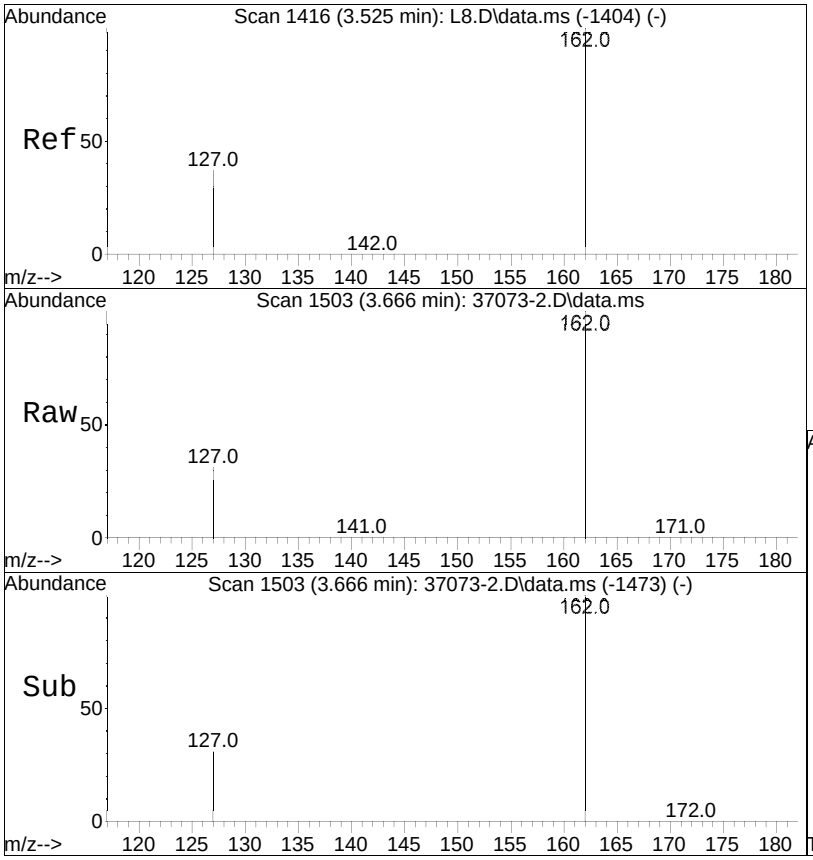


#13
1-Methylnaphthalene
Concen: 1418.97 ng/ml
RT: 3.448 min Scan# 1439
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:142 Resp: 248910

Ion	Ratio	Lower	Upper
142	100		
141	95.0	76.0	114.0

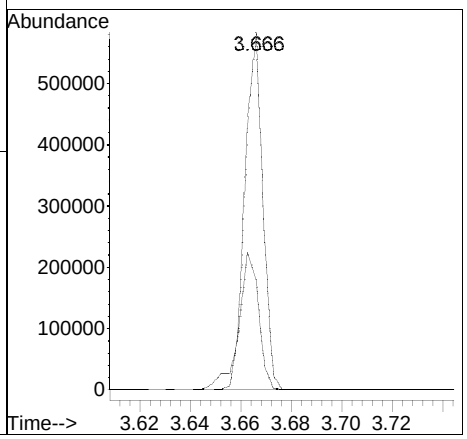


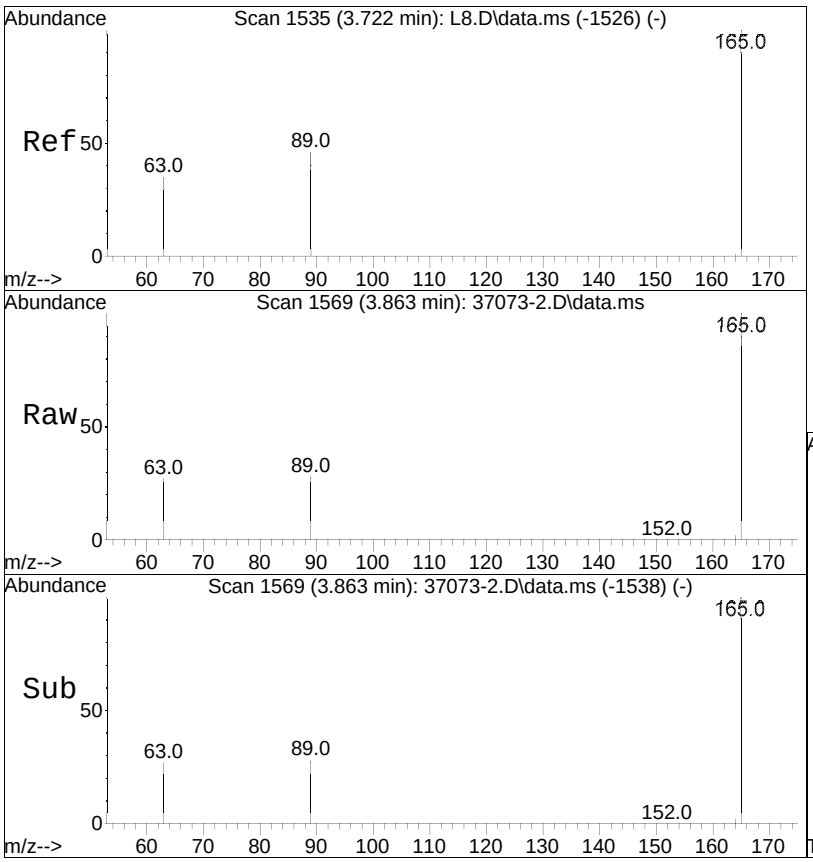


#15
2-Chloronaphthalene
Concen: 1497.71 ng/ml
RT: 3.666 min Scan# 1503
Delta R.T. 0.003 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:162 Resp: 279684

Ion	Ratio	Lower	Upper
162	100		
127	43.4	31.0	46.6

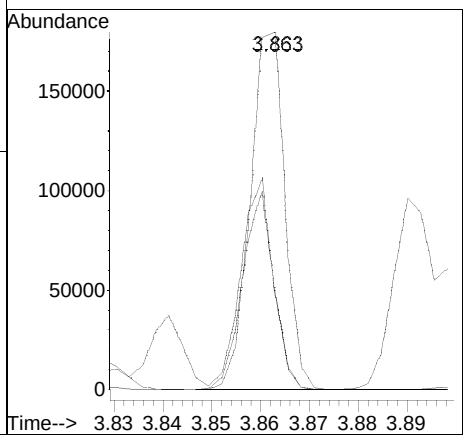


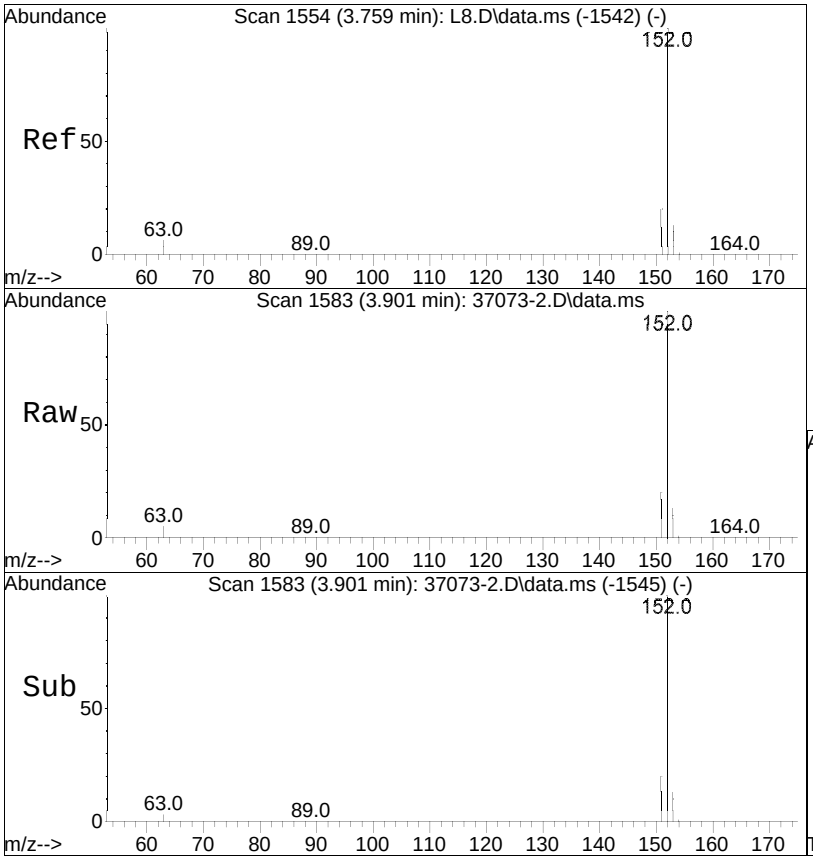


#16
2,6-Dinitrotoluene
Concen: 2111.00 ng/ml
RT: 3.863 min Scan# 1569
Delta R.T. 0.003 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:165 Resp: 87832

Ion	Ratio	Lower	Upper
165	100		
89	50.7	43.2	64.8
63	55.1	46.4	69.6

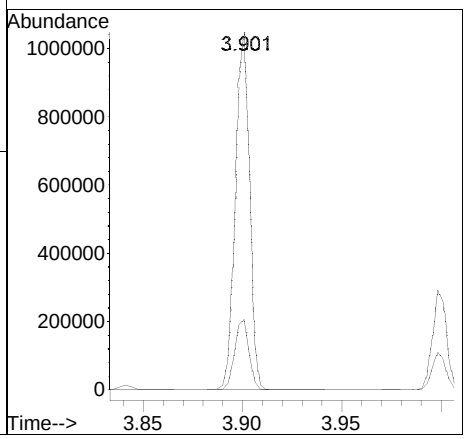


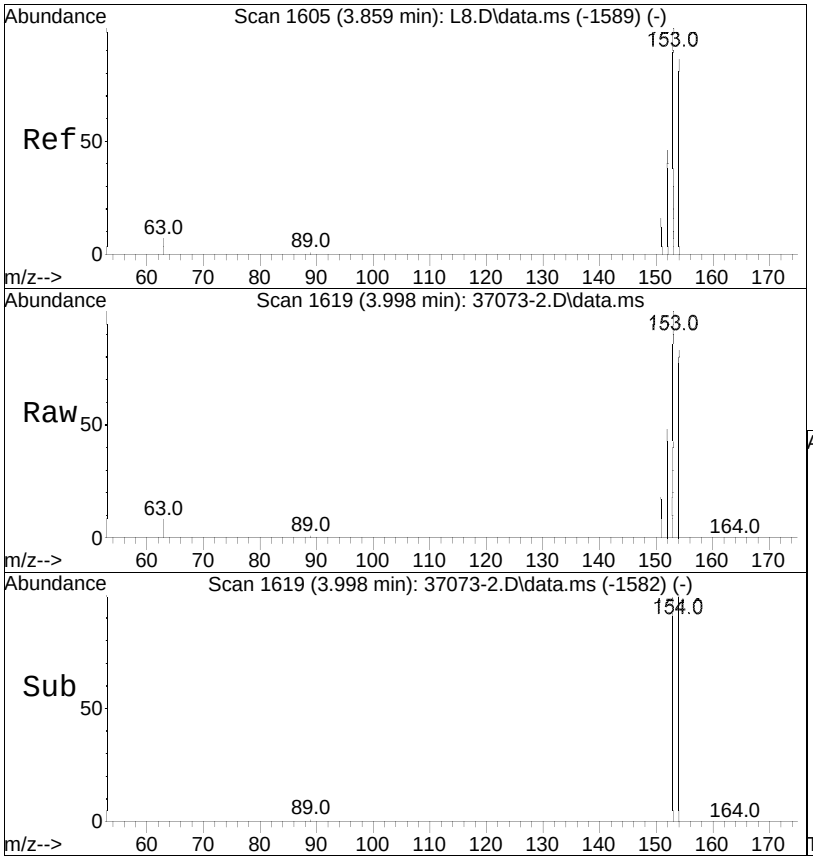


#17
Acenaphthylene
Concen: 1801.50 ng/ml
RT: 3.901 min Scan# 1583
Delta R.T. 0.003 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:152 Resp: 514407

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0

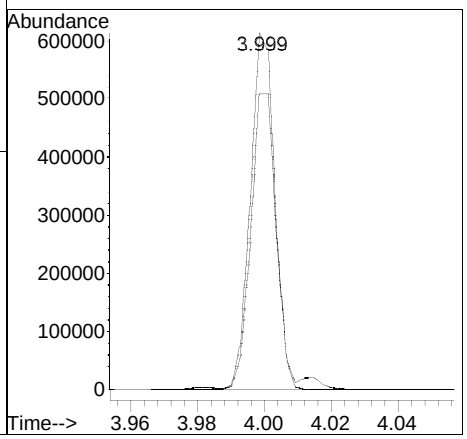


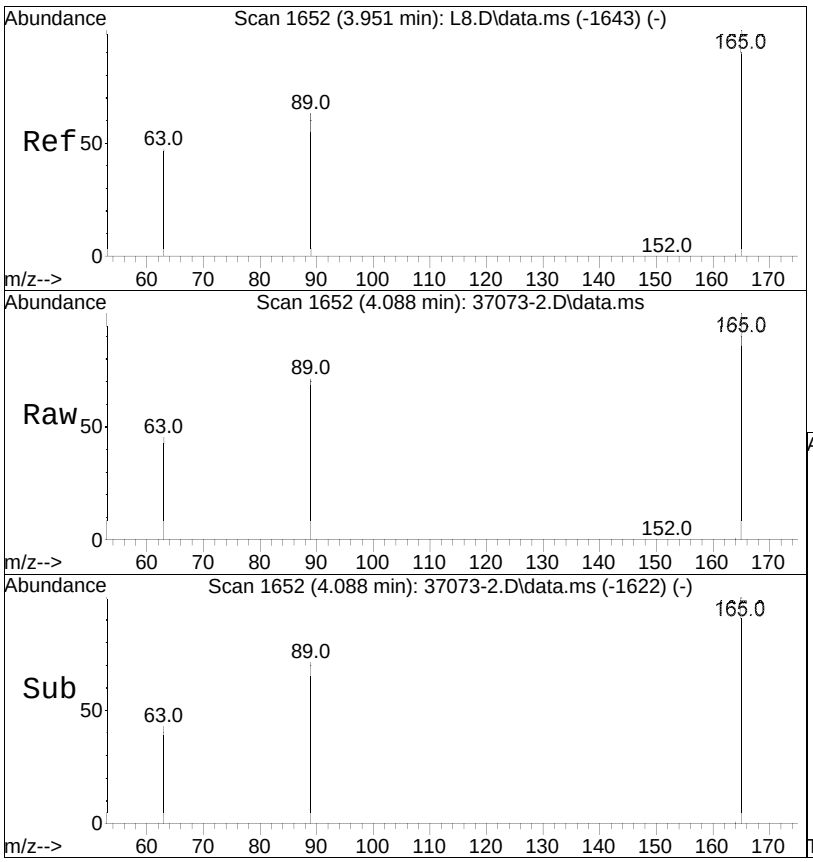


#19
Acenaphthene
Concen: 1441.69 ng/ml
RT: 3.998 min Scan# 1619
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:153 Resp: 308884

Ion	Ratio	Lower	Upper
153	100		
154	88.0	67.9	101.9

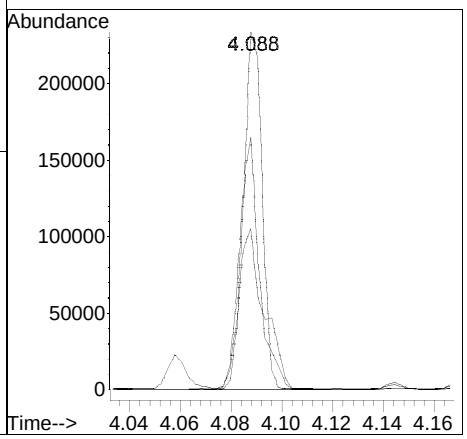


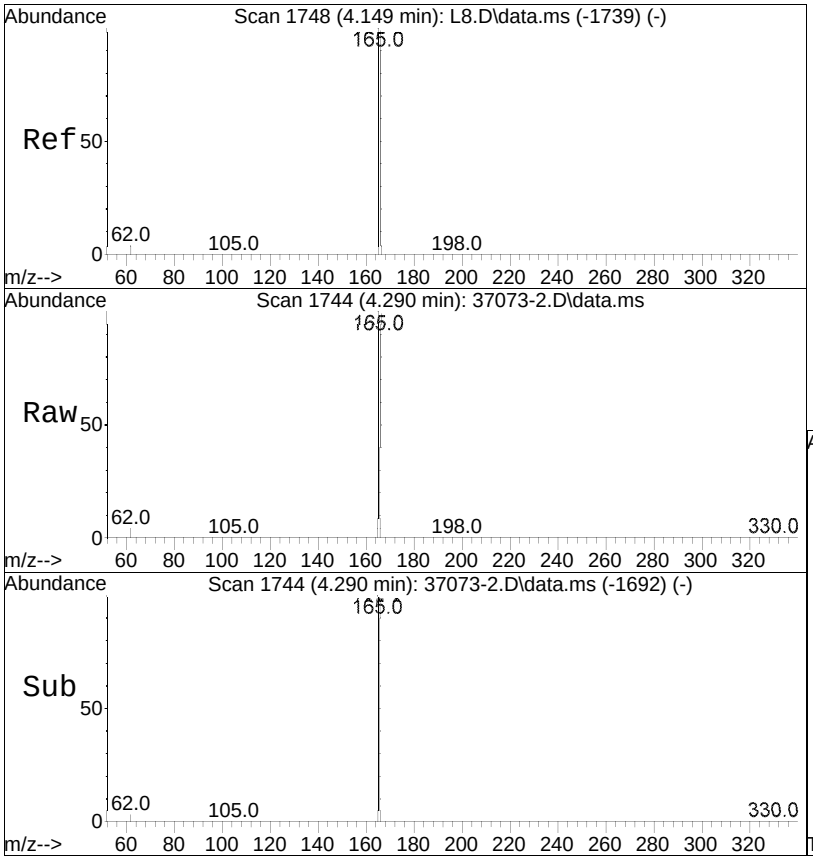


#20
2,4-Dinitrotoluene
Concen: 1892.97 ng/ml
RT: 4.088 min Scan# 1652
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:165 Resp: 117098

Ion	Ratio	Lower	Upper
165	100		
89	76.2	63.9	95.9
63	61.6	53.0	79.6

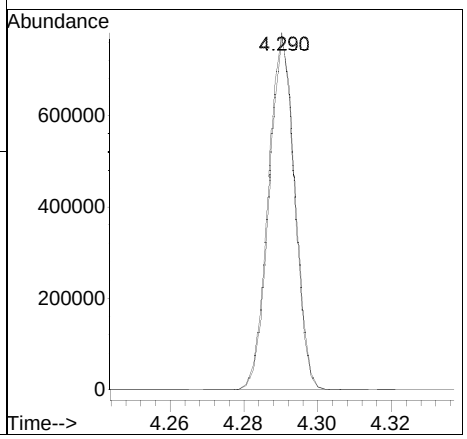


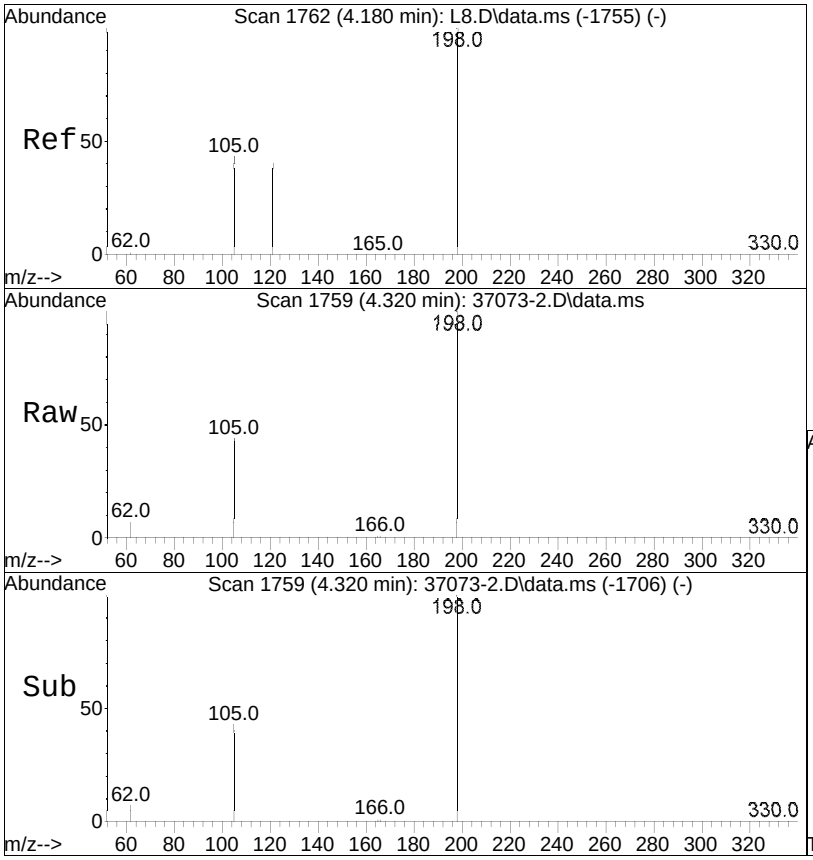


#21
Fluorene
Concen: 1595.89 ng/ml
RT: 4.290 min Scan# 1744
Delta R.T. 0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:166 Resp: 375931

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.3	121.9

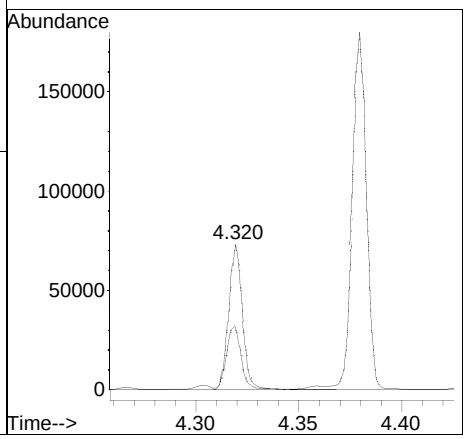


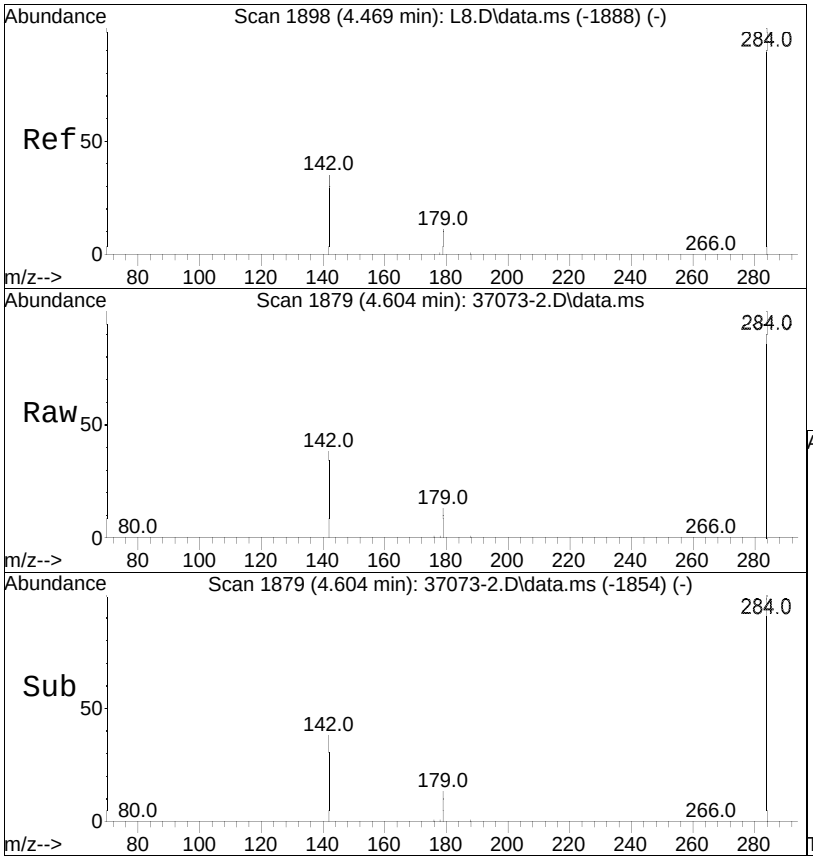


#24
4,6-Dinitro-o-cresol
Concen: 932.33 ng/ml
RT: 4.320 min Scan# 1759
Delta R.T. 0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:198 Resp: 34035

Ion	Ratio	Lower	Upper
198	100		
105	45.4	35.5	53.3

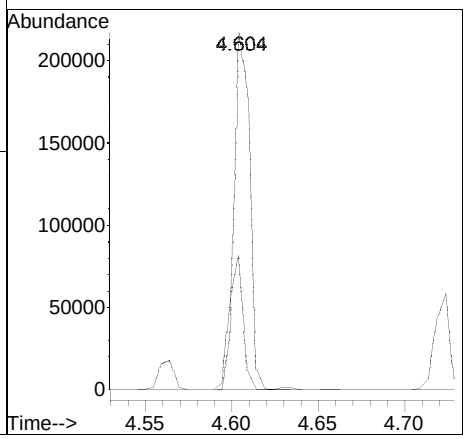


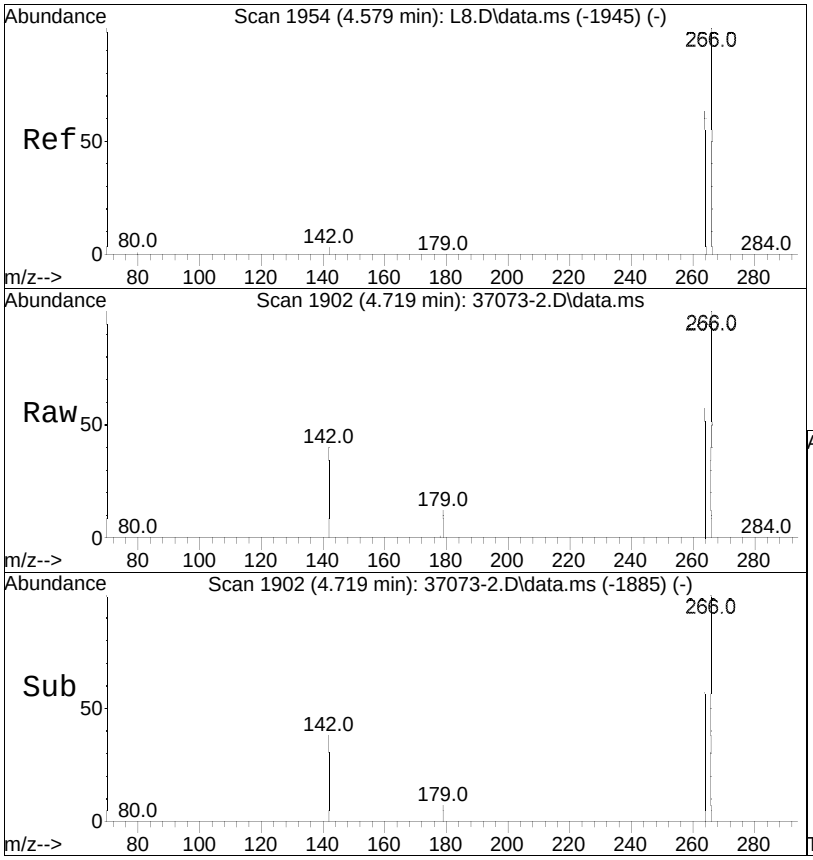


#25
Hexachlorobenzene
Concen: 1731.05 ng/ml
RT: 4.604 min Scan# 1879
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:284 Resp: 132366

Ion	Ratio	Lower	Upper
284	100		
142	34.0	29.0	43.4

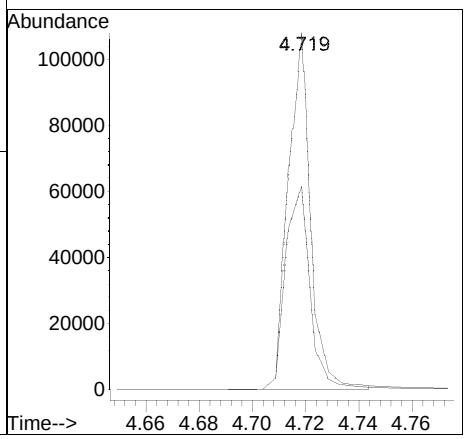


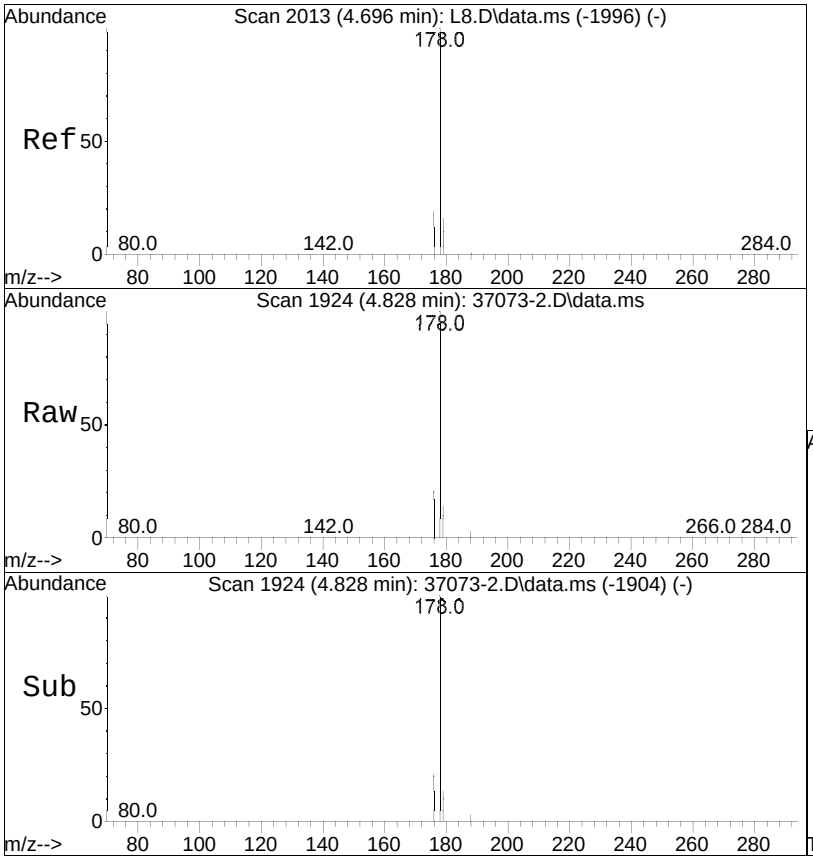


#26
Pentachlorophenol
Concen: 1524.60 ng/ml
RT: 4.719 min Scan# 1902
Delta R.T. 0.005 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:266 Resp: 62572

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.3	75.5

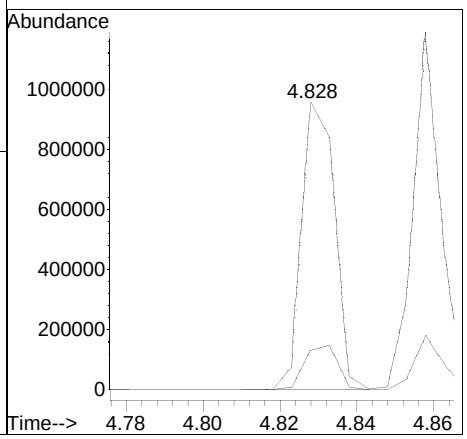


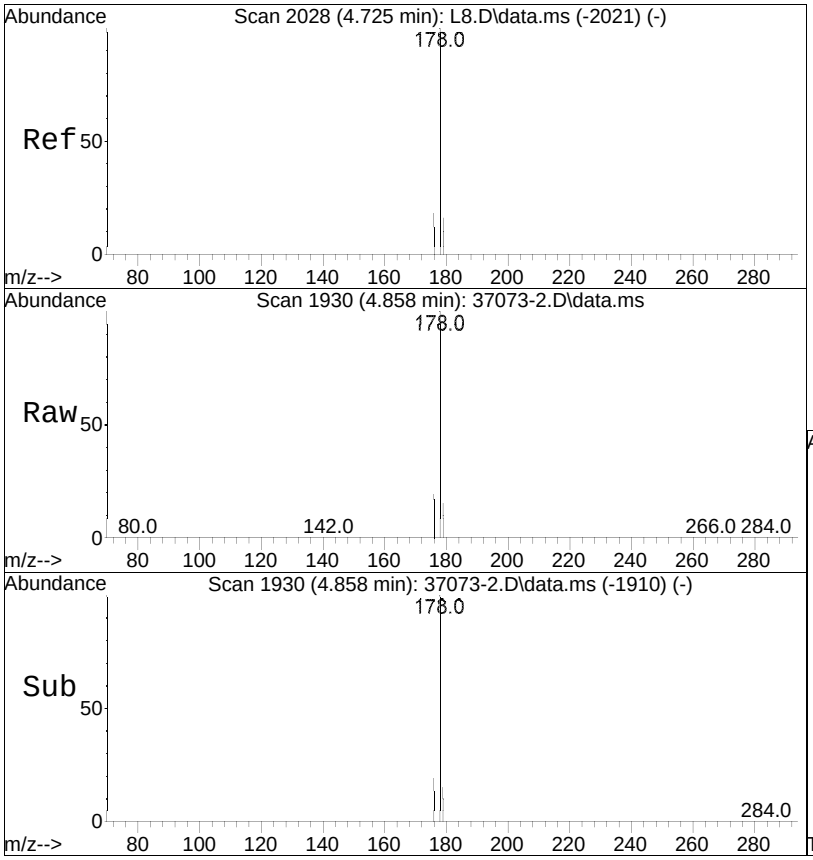


#27
Phenanthrene
Concen: 1640.95 ng/ml
RT: 4.828 min Scan# 1924
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:178 Resp: 573601

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8

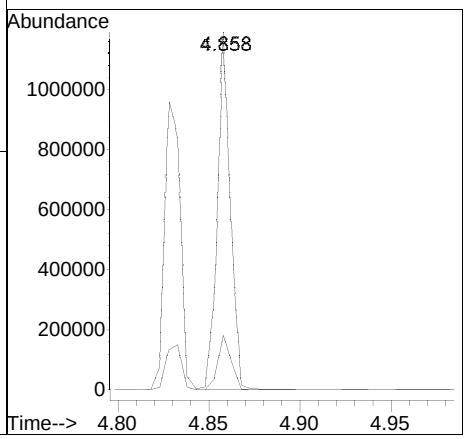


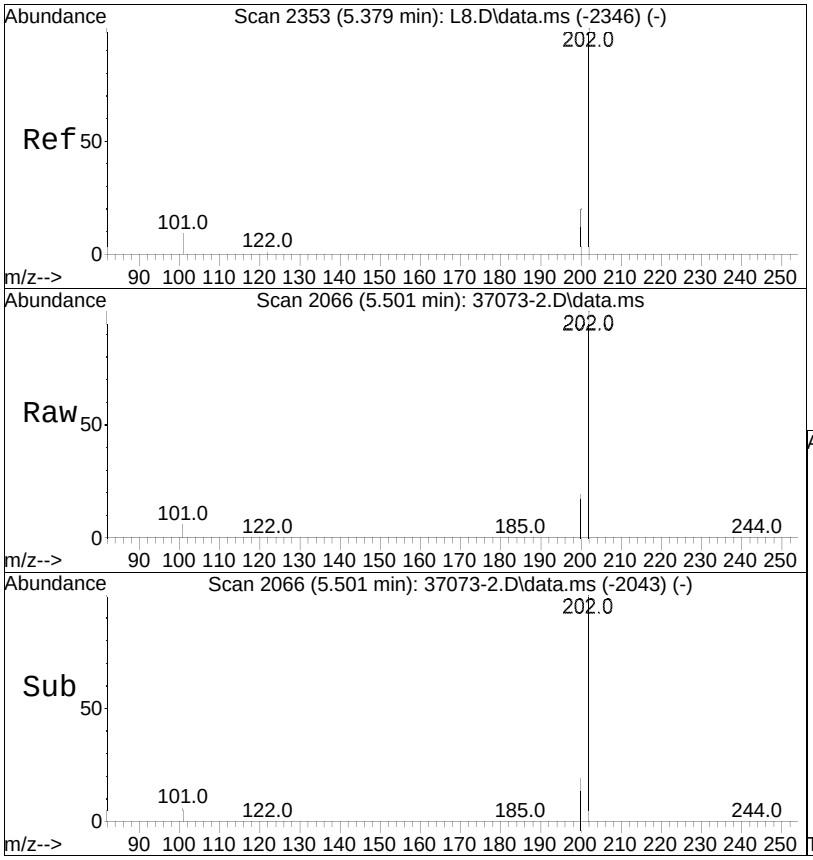


#28
Anthracene
Concen: 1694.41 ng/ml
RT: 4.858 min Scan# 1930
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:178 Resp: 587878

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

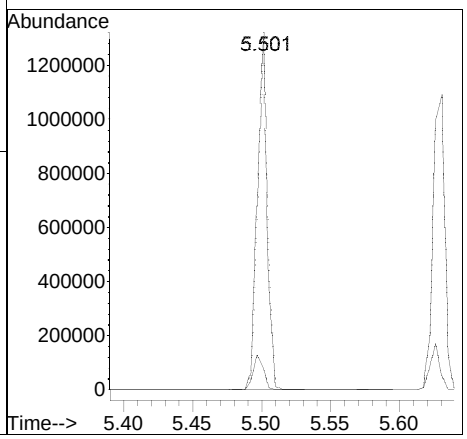


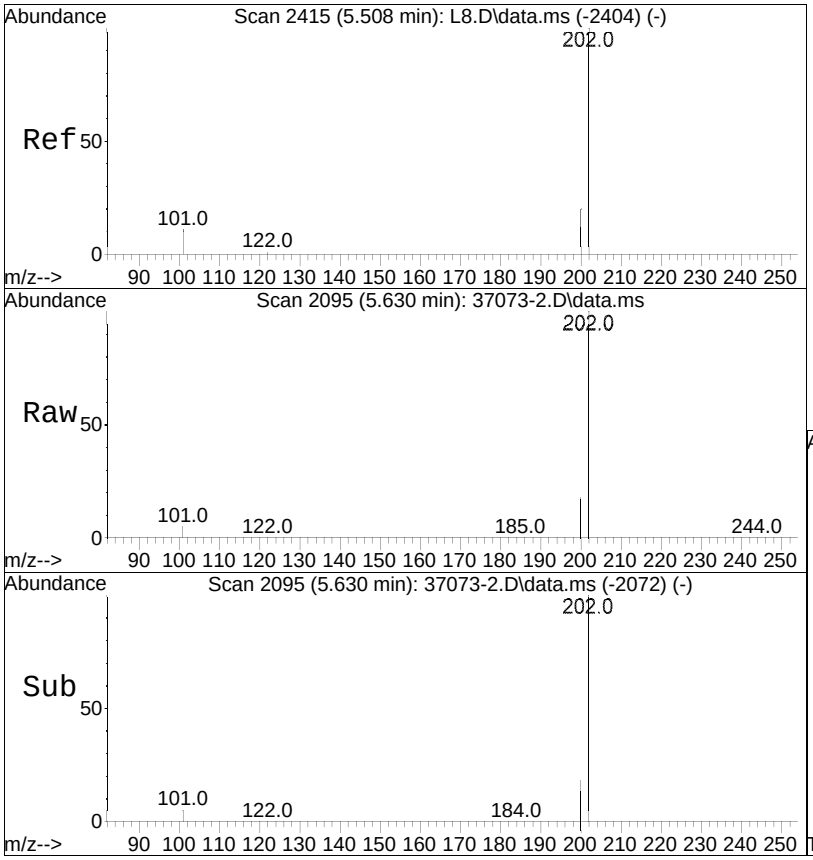


#29
Fluoranthene
Concen: 1642.17 ng/ml
RT: 5.501 min Scan# 2066
Delta R.T. 0.004 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:202 Resp: 653768

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.8	13.2

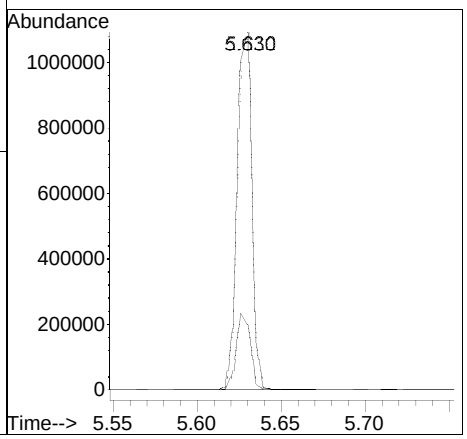


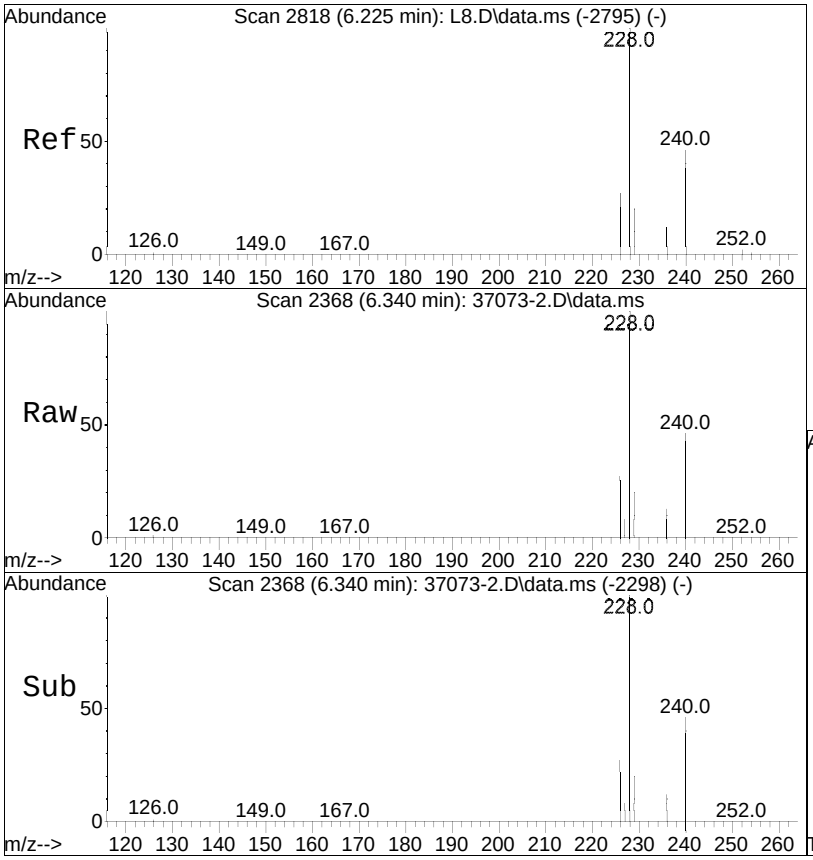


#30
Pyrene
Concen: 1585.62 ng/ml
RT: 5.630 min Scan# 2095
Delta R.T. 0.004 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:202 Resp: 653278

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.9	25.3

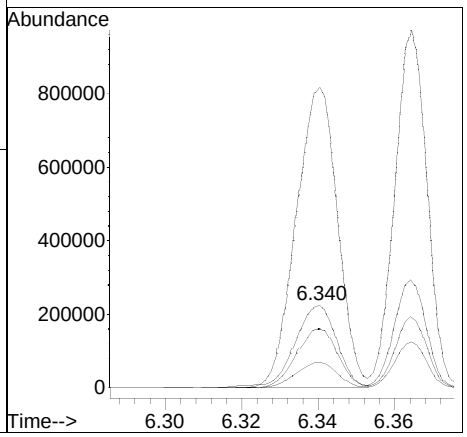


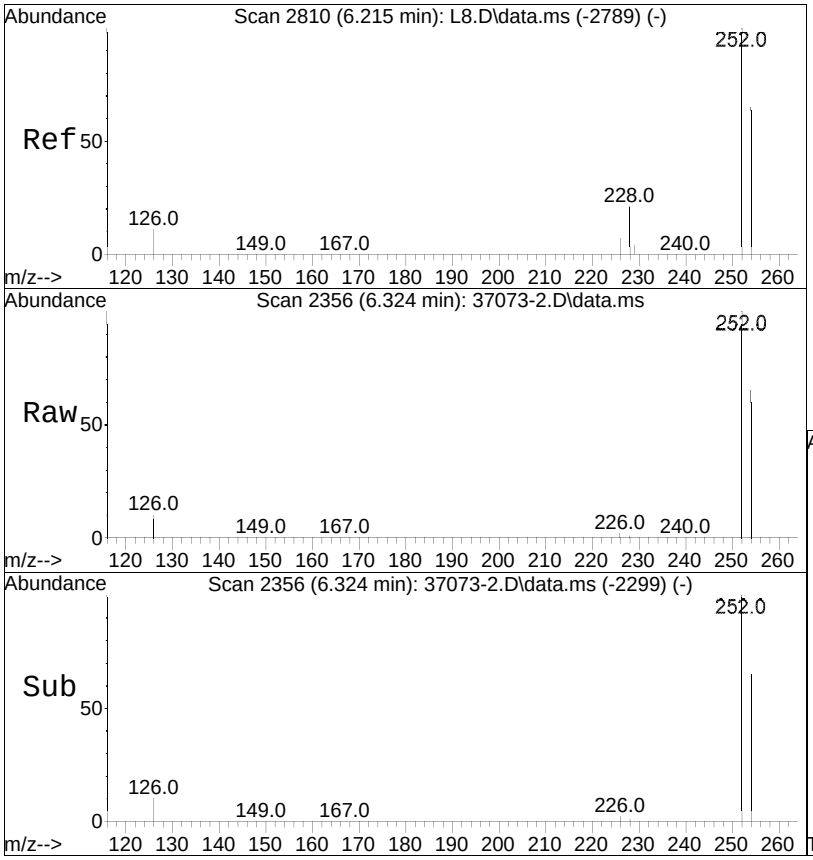


#34
Benzo[a]anthracene
Concen: 1694.10 ng/ml
RT: 6.340 min Scan# 2368
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:226 Resp: 171031

Ion	Ratio	Lower	Upper
226	100		
227	30.5	0.0	0.0#
228	359.7	288.7	433.1
229	70.6	56.8	85.2

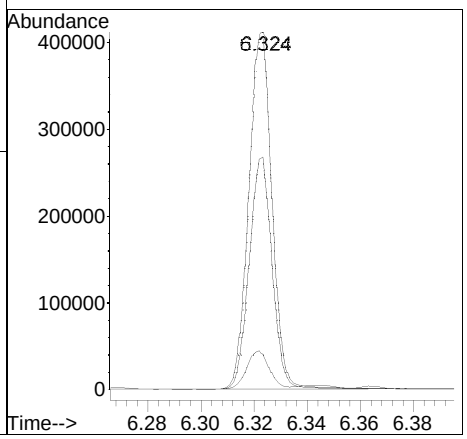


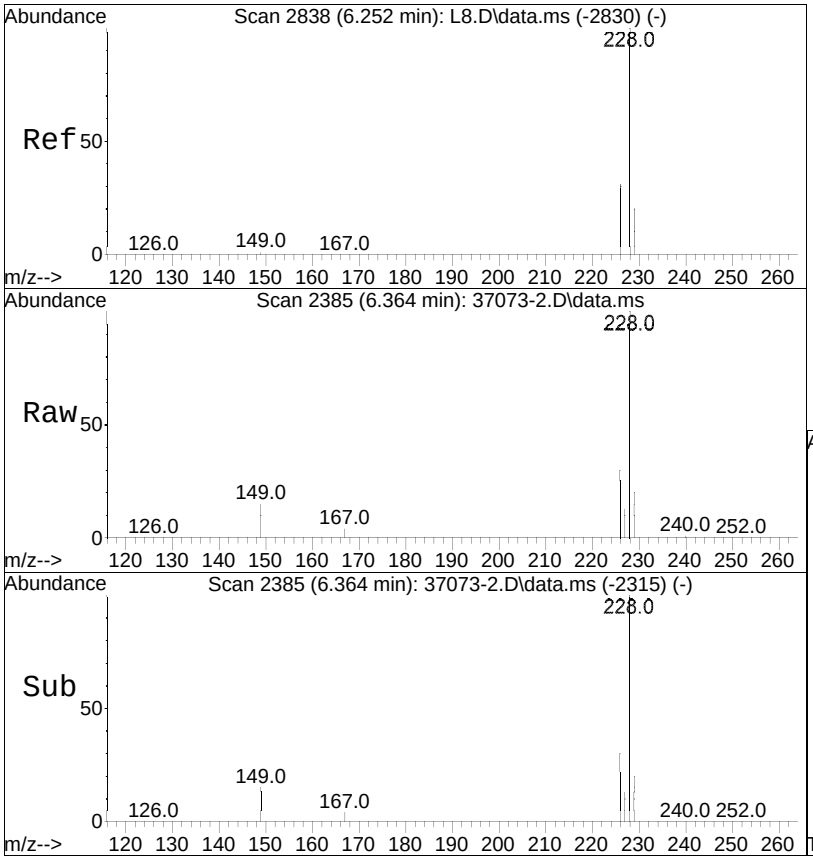


#35
3,3'-Dichlorobenzidine
Concen: 1922.29 ng/ml
RT: 6.324 min Scan# 2356
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:252 Resp: 245346

Ion	Ratio	Lower	Upper
252	100		
126	10.8	9.5	14.3
254	64.5	51.5	77.3

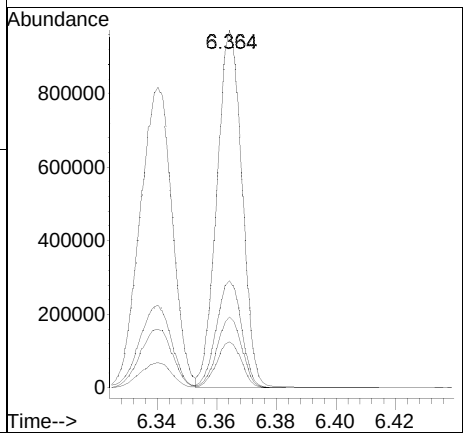


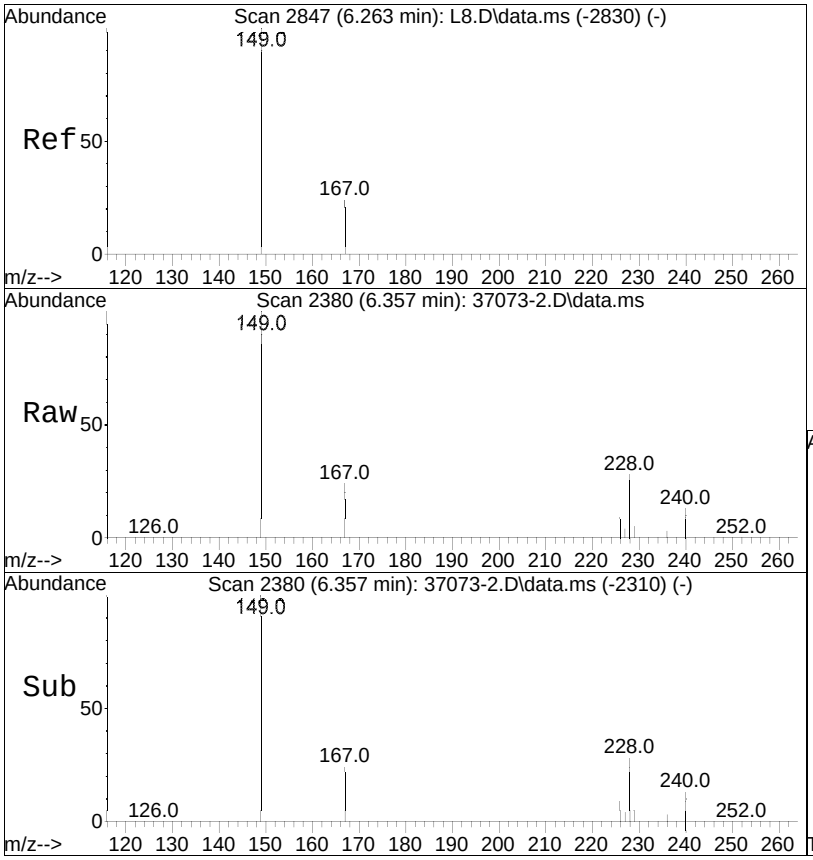


#36
Chrysene
Concen: 1725.41 ng/ml
RT: 6.364 min Scan# 2385
Delta R.T. -0.001 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:228 Resp: 568767

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
227	12.7	0.0	0.0#
229	19.6	15.6	23.4

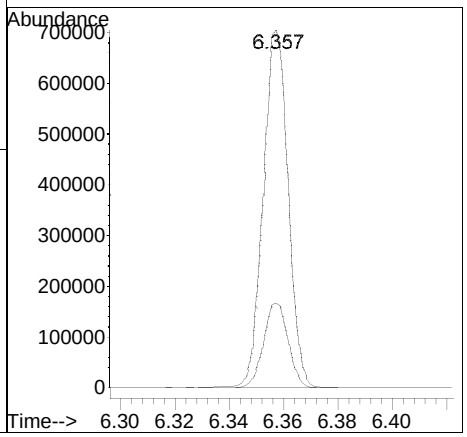


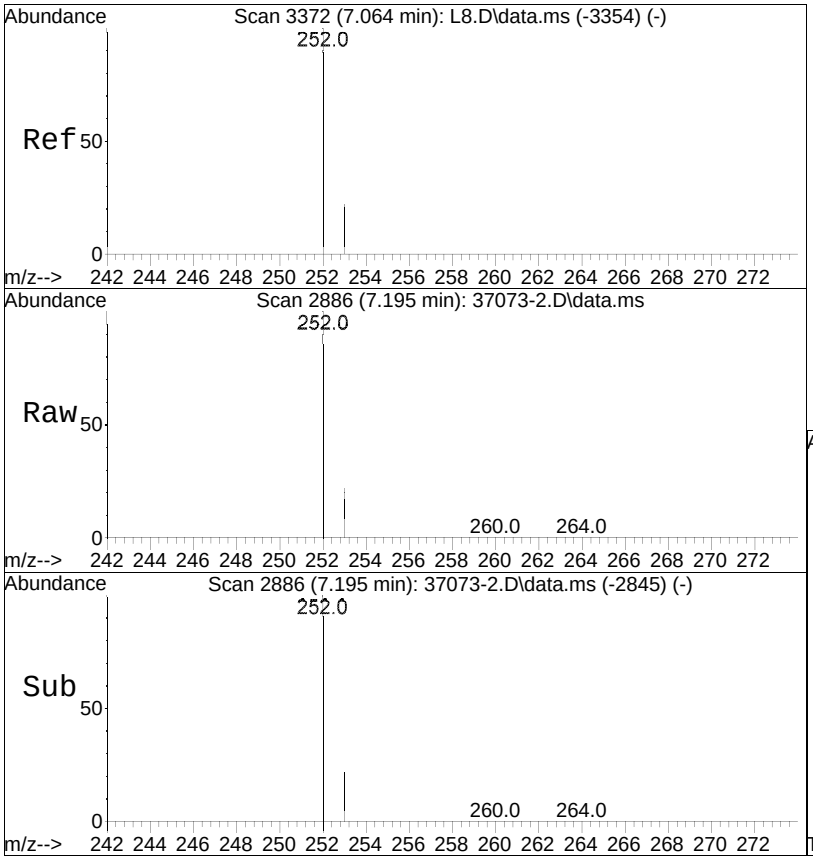


#37
Bis(2-ethylhexyl)phthalate
Concen: 1922.48 ng/ml
RT: 6.357 min Scan# 2380
Delta R.T. -0.001 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:149 Resp: 441561

Ion	Ratio	Lower	Upper
149	100		
167	23.6	18.6	27.8

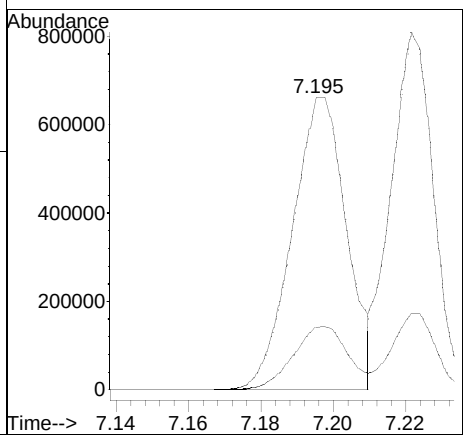


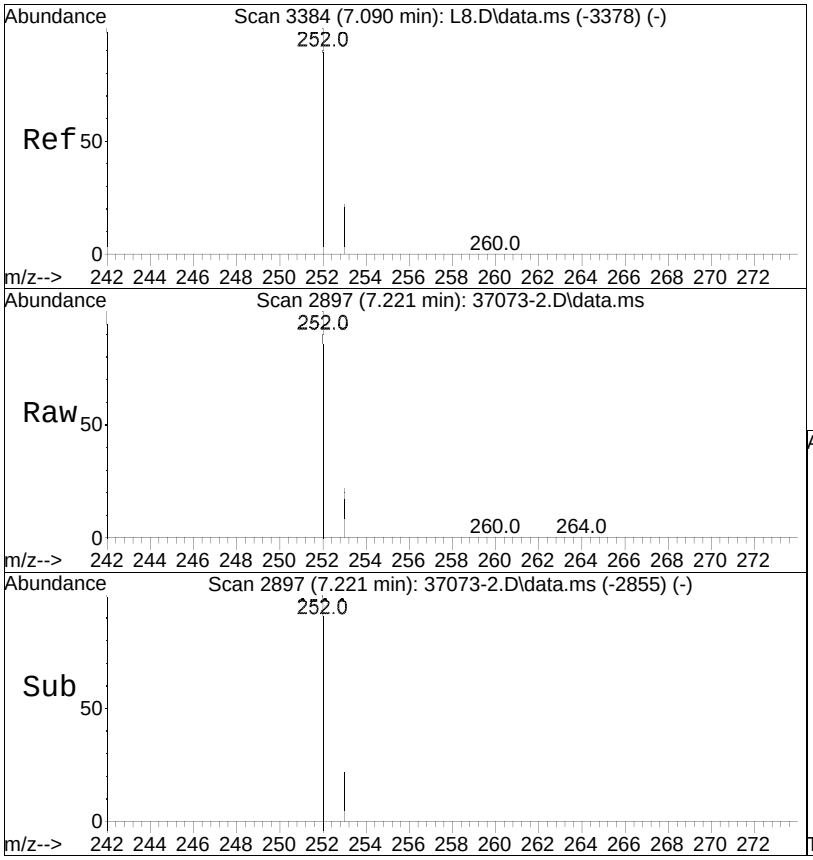


#39
Benzo[b]fluoranthene
Concen: 1819.42 ng/ml
RT: 7.195 min Scan# 2886
Delta R.T. -0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:252 Resp: 690003

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2

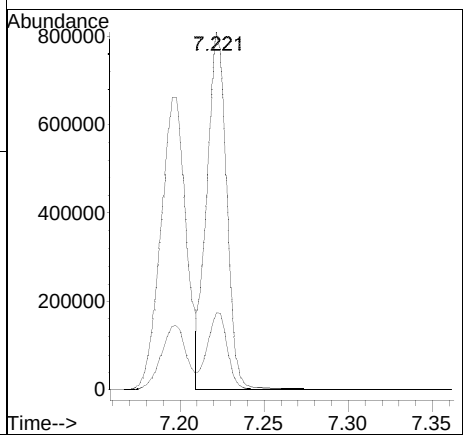


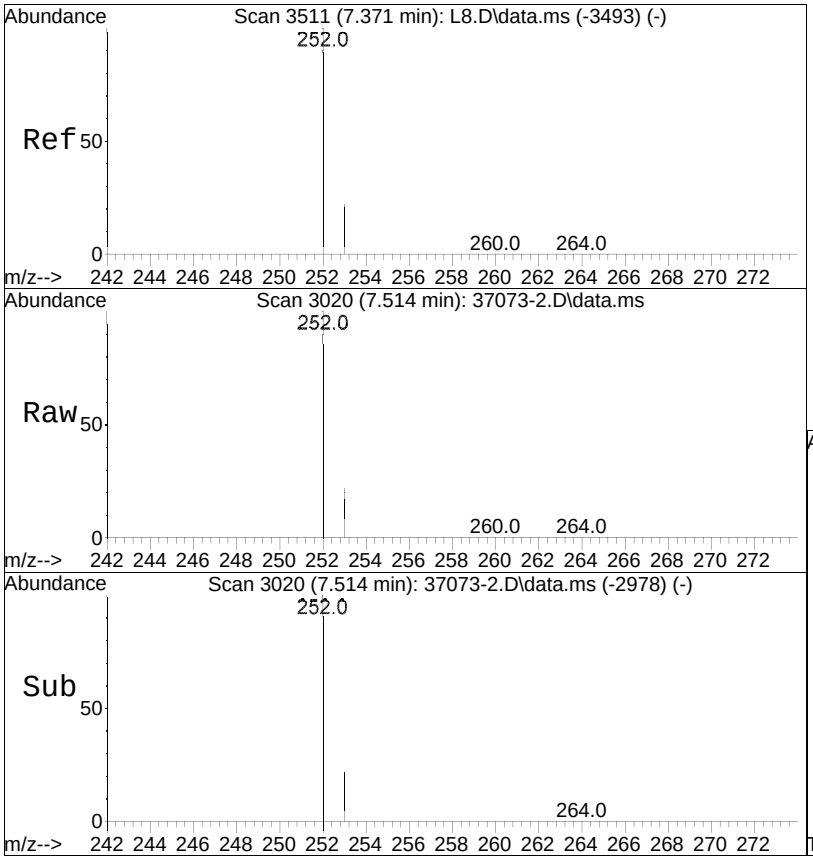


#40
Benzo[k]fluoranthene
Concen: 1826.46 ng/ml
RT: 7.221 min Scan# 2897
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:252 Resp: 659065

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4

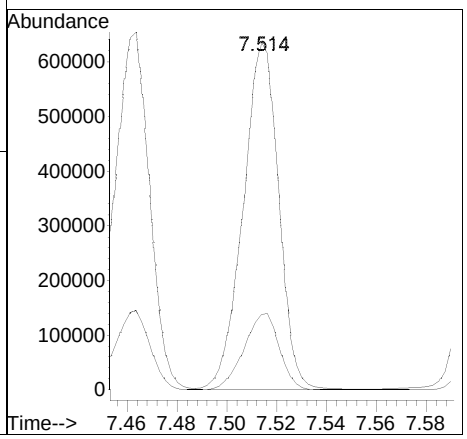


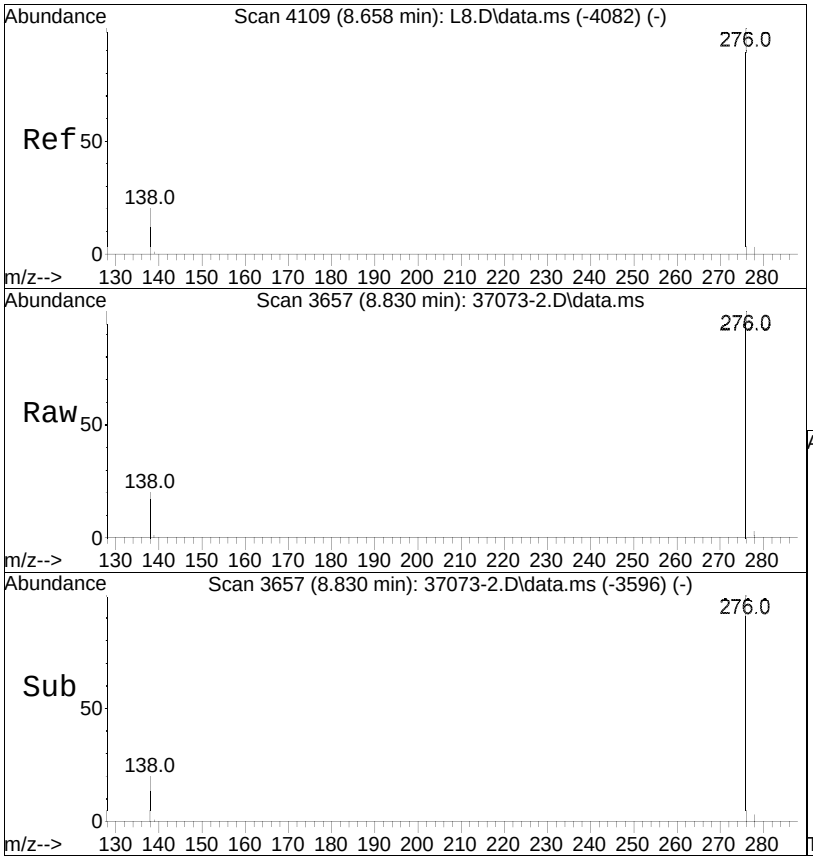


#41
Benzo[a]pyrene
Concen: 1974.01 ng/ml
RT: 7.514 min Scan# 3020
Delta R.T. 0.000 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:252 Resp: 622947

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

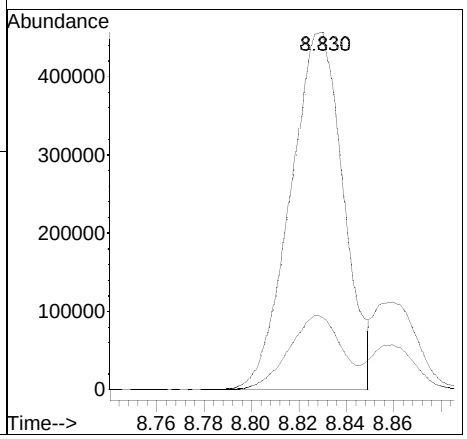


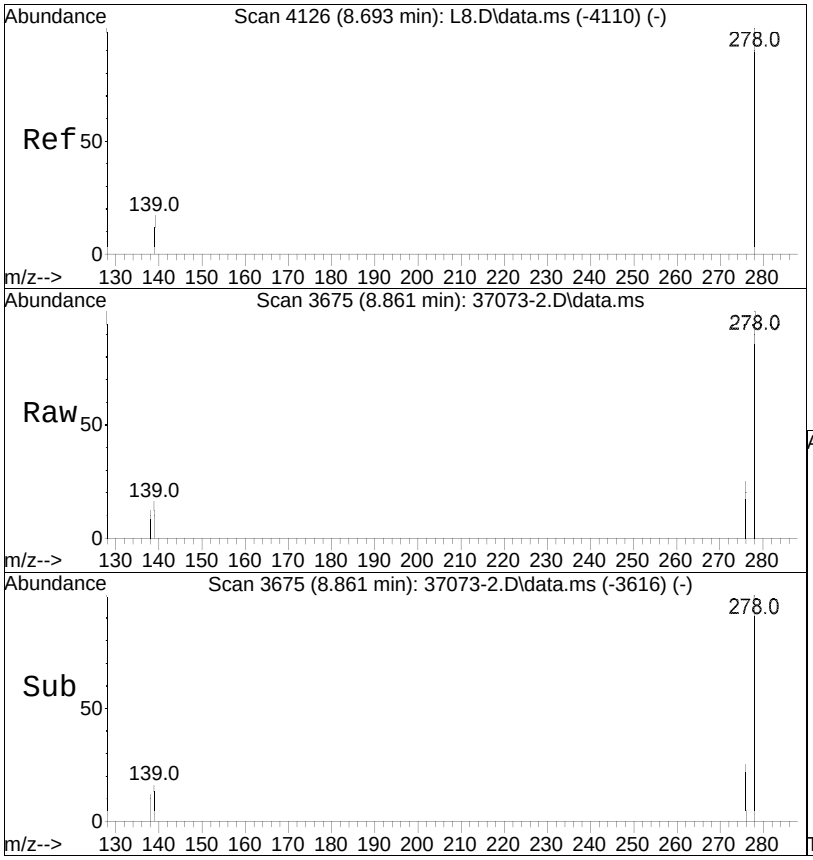


#42
Indeno[1,2,3-cd]pyrene
Concen: 2514.72 ng/ml
RT: 8.830 min Scan# 3657
Delta R.T. 0.005 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:276 Resp: 703455

Ion	Ratio	Lower	Upper
276	100		
138	20.8	17.0	25.4

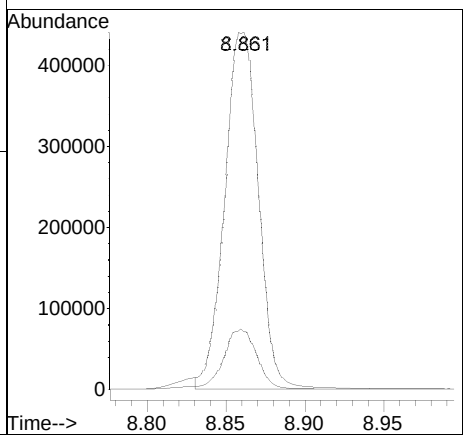


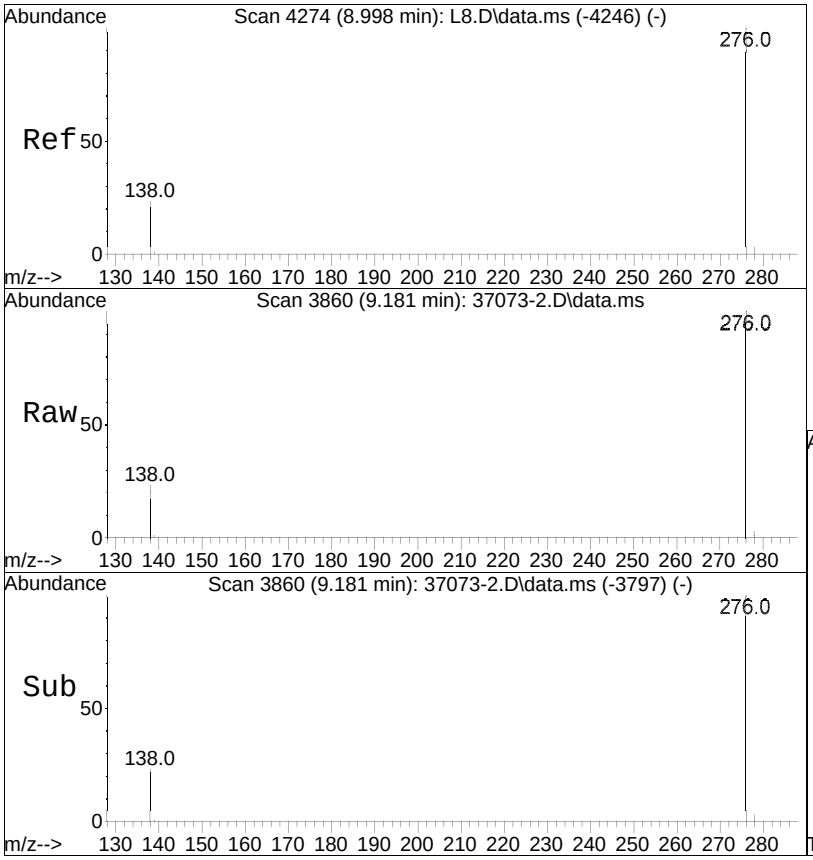


#43
Dibenzo[a,h]anthracene
Concen: 2417.40 ng/ml M6
RT: 8.861 min Scan# 3675
Delta R.T. 0.002 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:278 Resp: 652841

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9

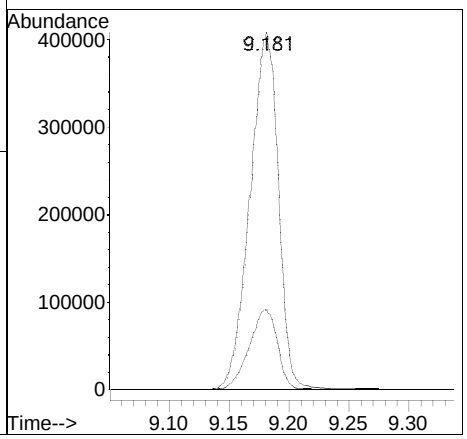




#44
Benzo[g,h,i]perylene
Concen: 2240.51 ng/ml
RT: 9.181 min Scan# 3860
Delta R.T. 0.009 min
Lab File: 37073-2.D
Acq: 06 Mar 2025 12:22 pm

Tgt Ion:276 Resp: 662259

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.7	28.1

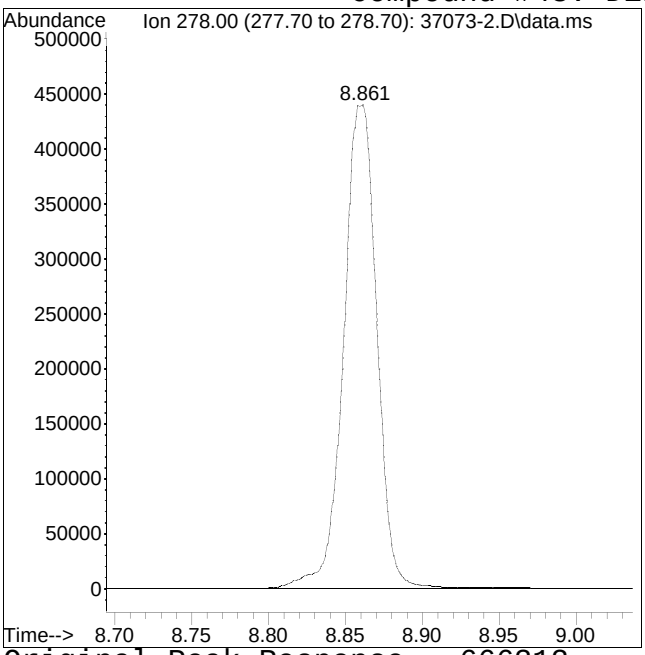


Manual Integration Report

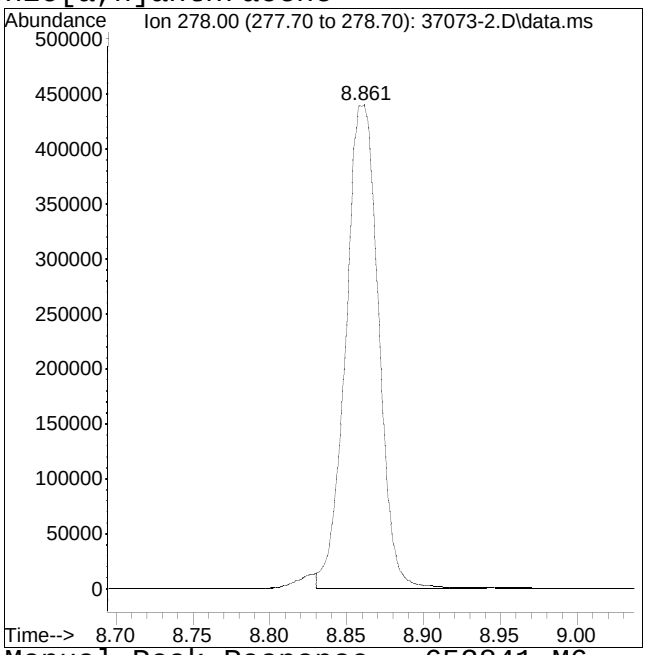
Data Path : I:\8270SIM\SV118\250306aRVQ
Data File : 37073-2.D
Date Inj'd : 3/6/2025 12:22 pm
Sample : WG2037073-2,32,,RV,kmh

Method : SIM-RVT_250203sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 3/6/2025 12:35 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 666312



Manual Peak Response = 652841 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-2.D
Acq On : 10 Mar 2025 02:59 pm
Operator : sv119:dv
Sample : WG2038541-2,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 10 15:22:50 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	235443	4000.000	ng/ml	0.00
Standard Area 1 = 260626			Recovery = 90.34%			
9) Naphthalene-d8	2.859	136	970065	4000.000	ng/ml	0.00
Standard Area 1 = 1055214			Recovery = 91.93%			
18) Acenaphthene-d10	3.829	164	598514	4000.000	ng/ml	0.00
Standard Area 1 = 633060			Recovery = 94.54%			
23) Phenanthrene-d10	4.661	188	1284579	4000.000	ng/ml	0.00
Standard Area 1 = 1362342			Recovery = 94.29%			
33) Chrysene-d12	6.201	240	1013428	4000.000	ng/ml	0.00
Standard Area 1 = 1279573			Recovery = 79.20%			
38) Perylene-d12	7.375	264	1018710	4000.000	ng/ml	0.00
Standard Area 1 = 1206831			Recovery = 84.41%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.641	112	101190	1604.048	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 80.20%			
4) Phenol-d6	2.033	99	100666	1278.516	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 63.93%			
8) Nitrobenzene-d5	2.483	82	74268	972.702	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.27%			
14) 2-Fluorobiphenyl	3.451	172	195521	826.568	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.66%			
22) 2,4,6-Tribromophenol	4.274	330	58955	2256.902	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 112.85%#			
32) 4-Terphenyl-d14	5.572	244	256760	805.713	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.57%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	2.071	93	124379	1711.476	ng/ml	89
7) Hexachloroethane	2.456	117	40254	1319.068	ng/ml	96
10) Naphthalene	2.870	128	391683	1447.725	ng/ml	100
11) Hexachlorobutadiene	2.940	225	52524	1103.162	ng/ml	100
12) 2-Methylnaphthalene	3.248	142	258734	1368.498	ng/ml	98
15) 2-Chloronaphthalene	3.515	162	302028	1546.763	ng/ml#	85
17) Acenaphthylene	3.747	152	545556	1804.123	ng/ml	99
19) Acenaphthene	3.845	153	334851	1677.491	ng/ml	94
21) Fluorene	4.133	166	423524	1846.719	ng/ml	97
25) Hexachlorobenzene	4.450	284	127169	1679.477	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-2.D
Acq On : 10 Mar 2025 02:59 pm
Operator : sv119:dv
Sample : WG2038541-2,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 10 15:22:50 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	4.567	266	75525	1881.157	ng/ml	100
27) Phenanthrene	4.673	178	659156	1754.981	ng/ml	99
28) Anthracene	4.701	178	690815	1834.487	ng/ml	100
29) Fluoranthene	5.352	202	788512	1678.032	ng/ml	98
30) Pyrene	5.480	202	795613	1640.343	ng/ml	100
34) Benzo[a]anthracene	6.194	228	673079	1881.798	ng/ml	100
36) Chrysene	6.216	228	616431	1766.618	ng/ml	100
39) Benzo[b]fluoranthene	7.011	252	629827	1865.498	ng/ml	98
40) Benzo[k]fluoranthene	7.033	252	617489	1854.667	ng/ml	99
41) Benzo[a]pyrene	7.314	252	579229	2021.894	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.570	276	651736	2349.903	ng/ml	97
43) Dibenzo[a,h]anthracene	8.600	278	593025M6	2304.904	ng/ml	
44) Benzo[g,h,i]perylene	8.906	276	629913	2386.284	ng/ml	97

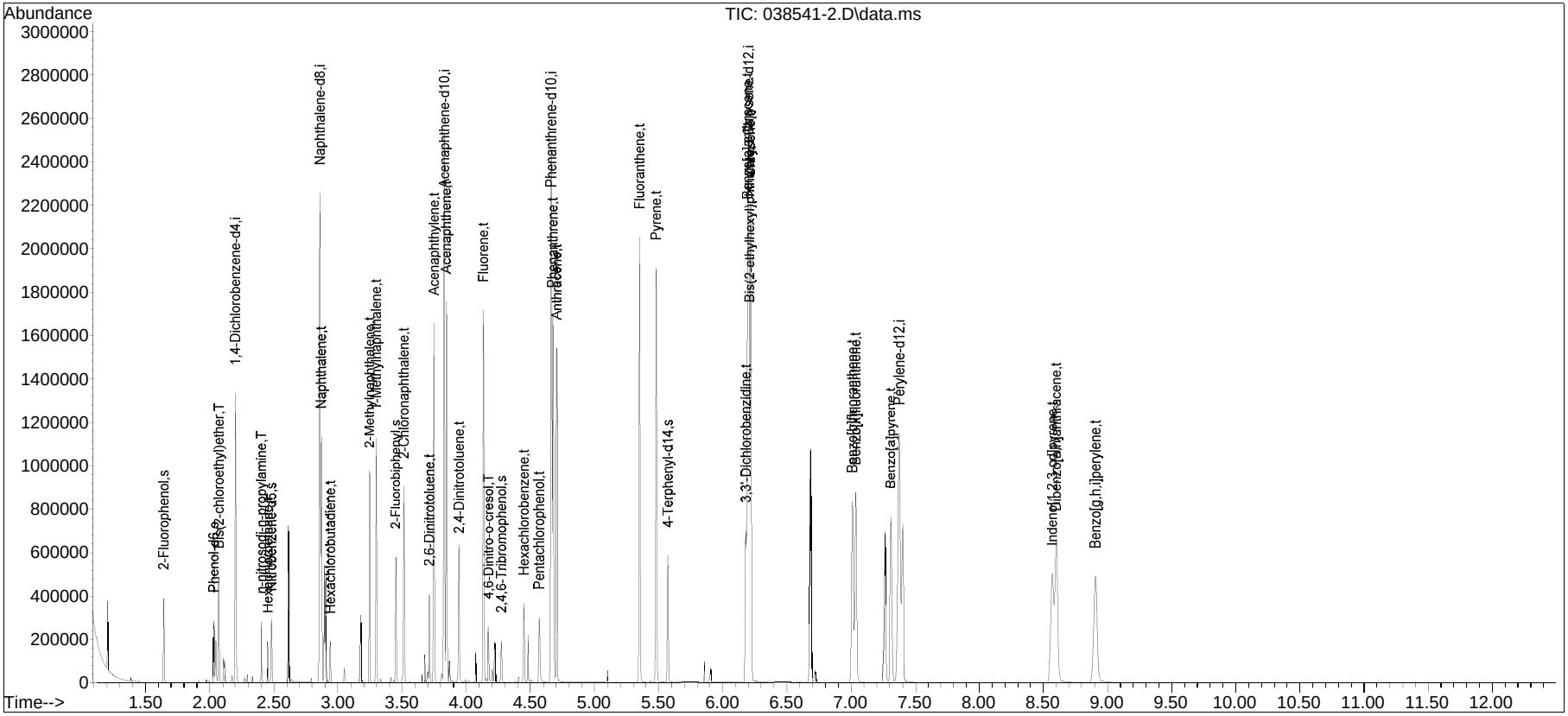
(#) = qualifier out of range (m) = manual integration (+) = signals summed

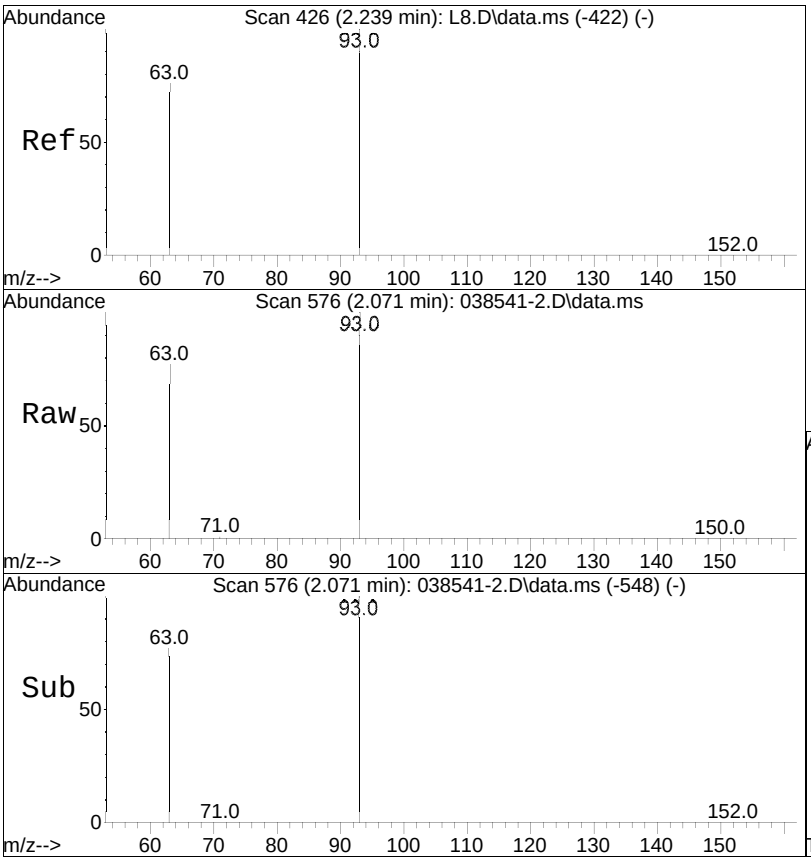
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-2.D
Acq On : 10 Mar 2025 02:59 pm
Operator : sv119:dv
Sample : WG2038541-2,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 10 15:22:50 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0310.D•

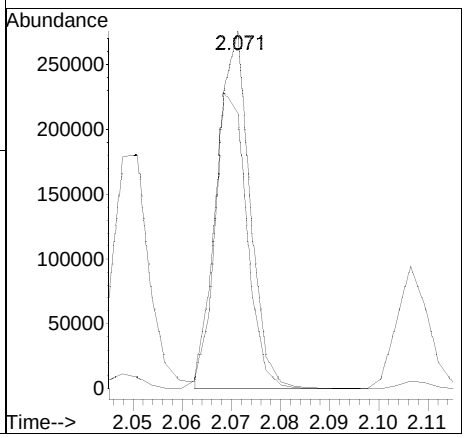


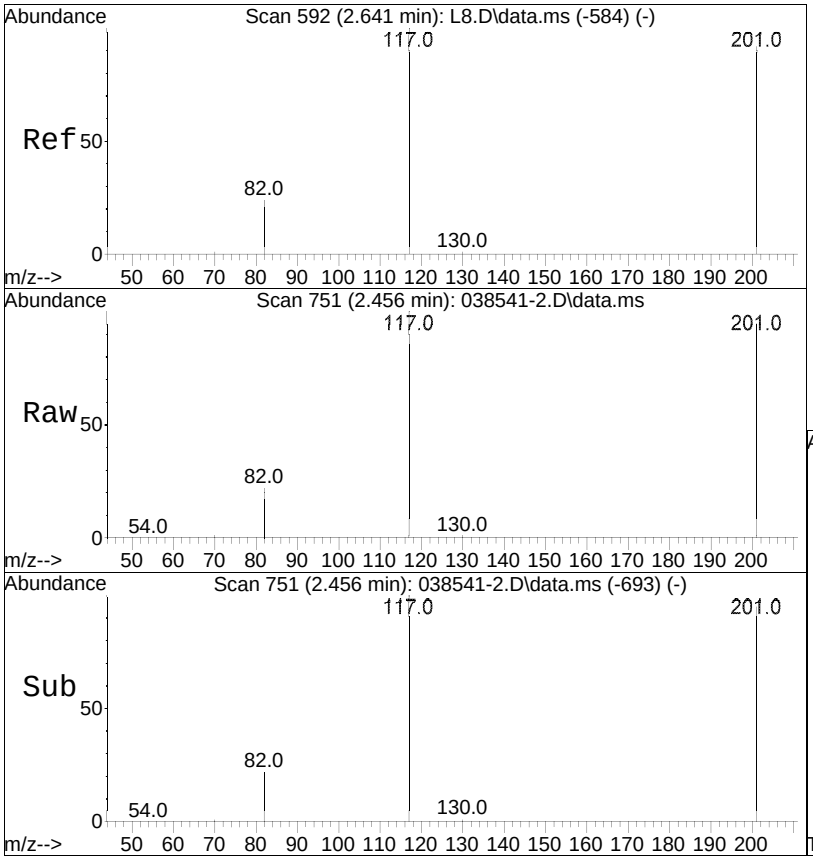


#5
Bis(2-chloroethyl)ether
Concen: 1711.48 ng/ml
RT: 2.071 min Scan# 576
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion: 93 Resp: 124379

Ion	Ratio	Lower	Upper
93	100		
63	86.4	61.7	92.5

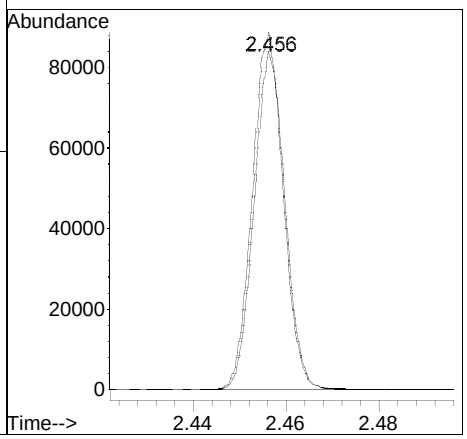


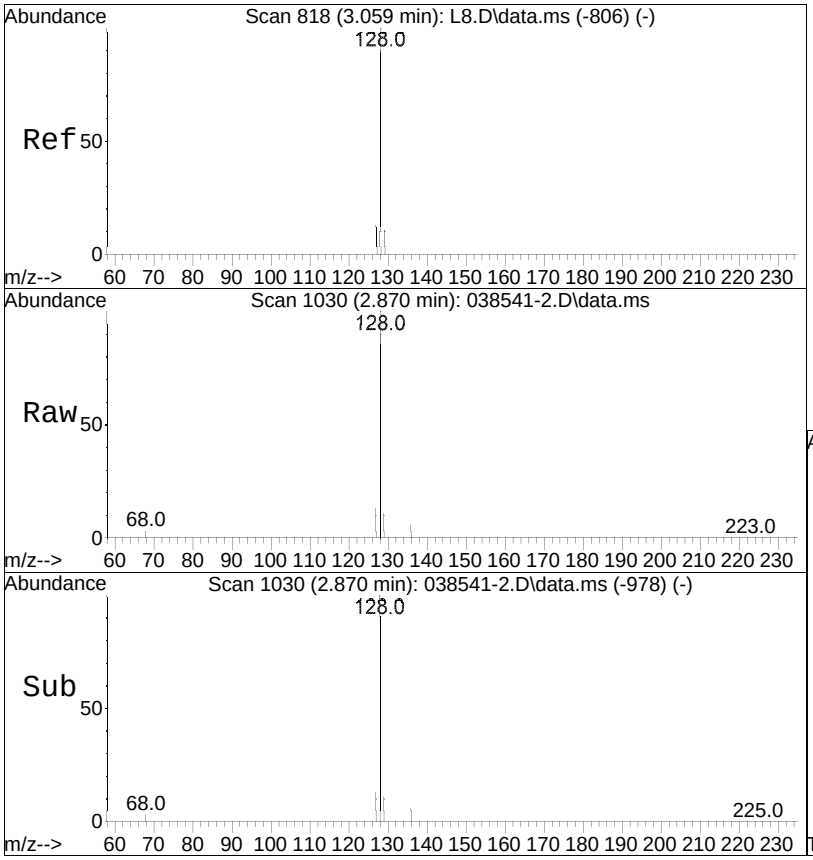


#7
Hexachloroethane
Concen: 1319.07 ng/ml
RT: 2.456 min Scan# 751
Delta R.T. 0.001 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:117 Resp: 40254

Ion	Ratio	Lower	Upper
117	100		
201	94.8	79.3	118.9

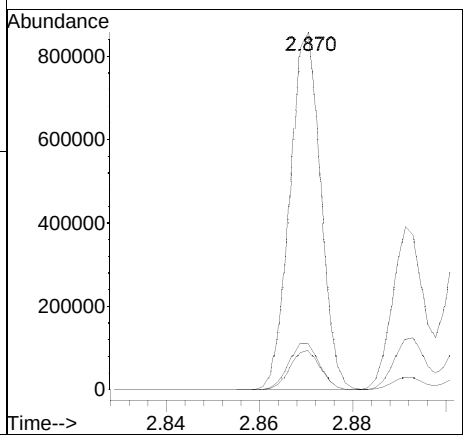


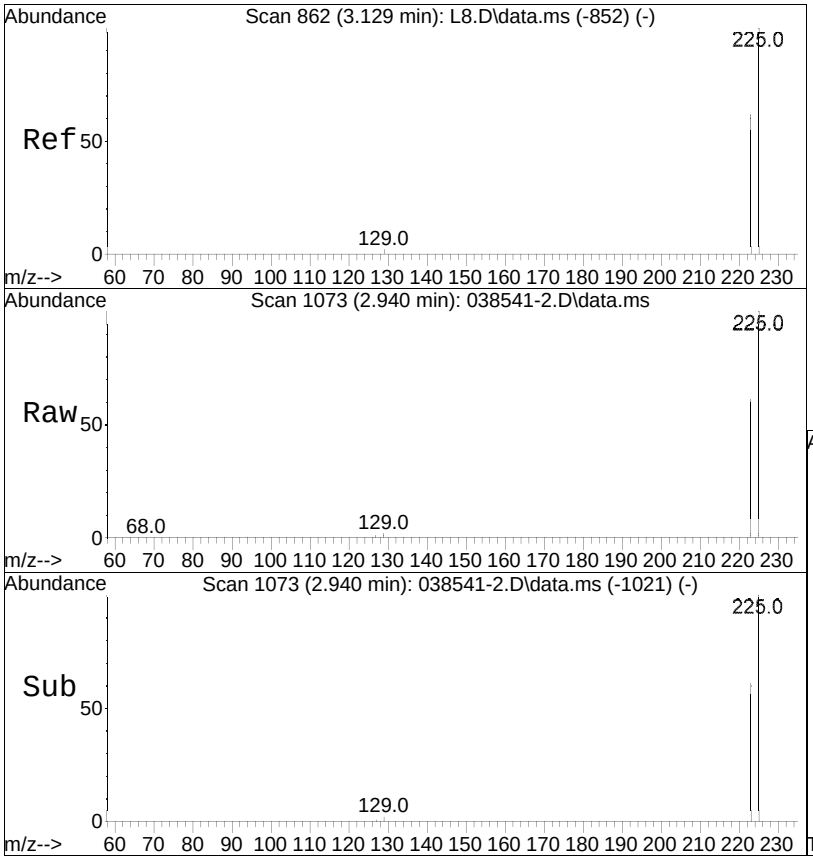


#10
Naphthalene
Concen: 1447.72 ng/ml
RT: 2.870 min Scan# 1030
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:128 Resp: 391683

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.5	15.7

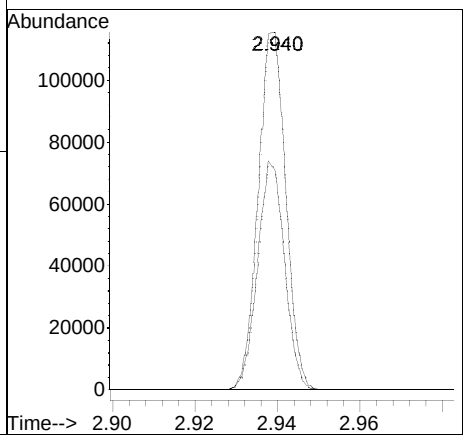


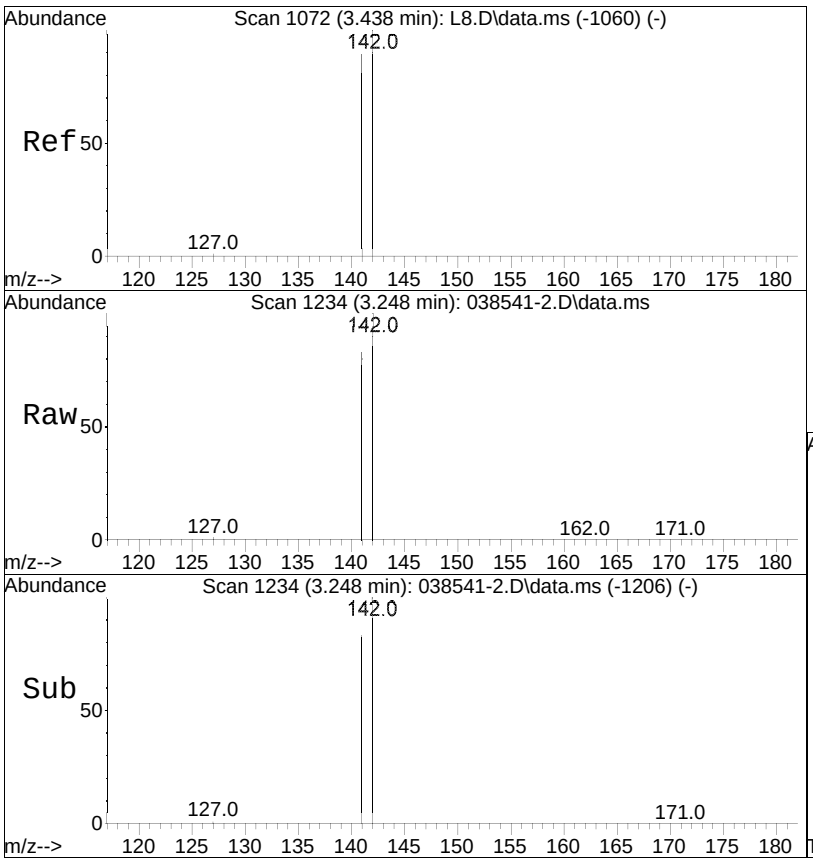


#11
Hexachlorobutadiene
Concen: 1103.16 ng/ml
RT: 2.940 min Scan# 1073
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:225 Resp: 52524

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

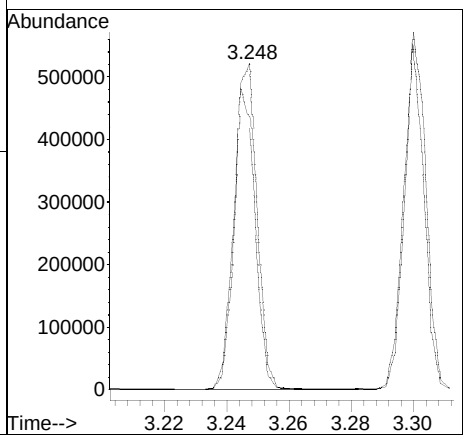


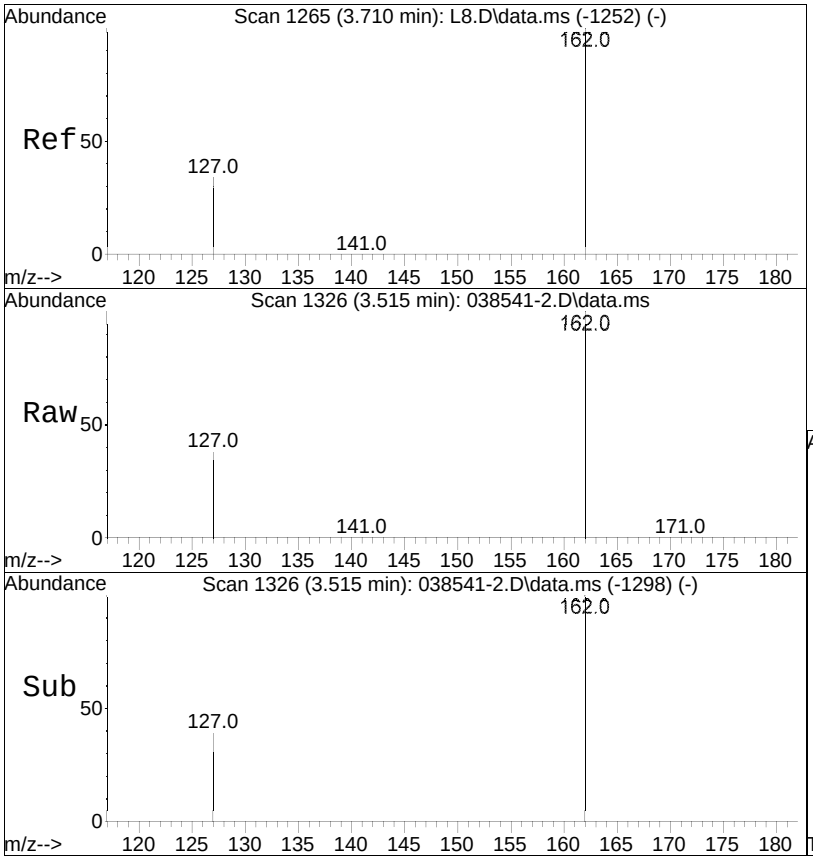


#12
2-Methylnaphthalene
Concen: 1368.50 ng/ml
RT: 3.248 min Scan# 1234
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:142 Resp: 258734

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.3	106.9

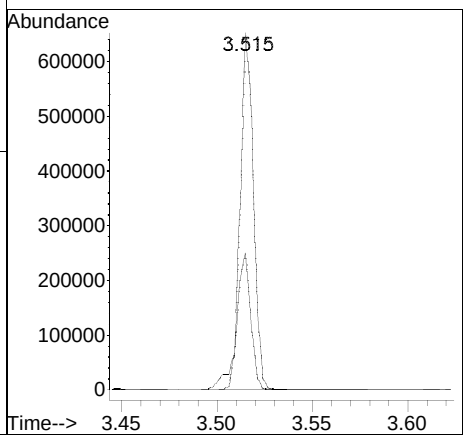


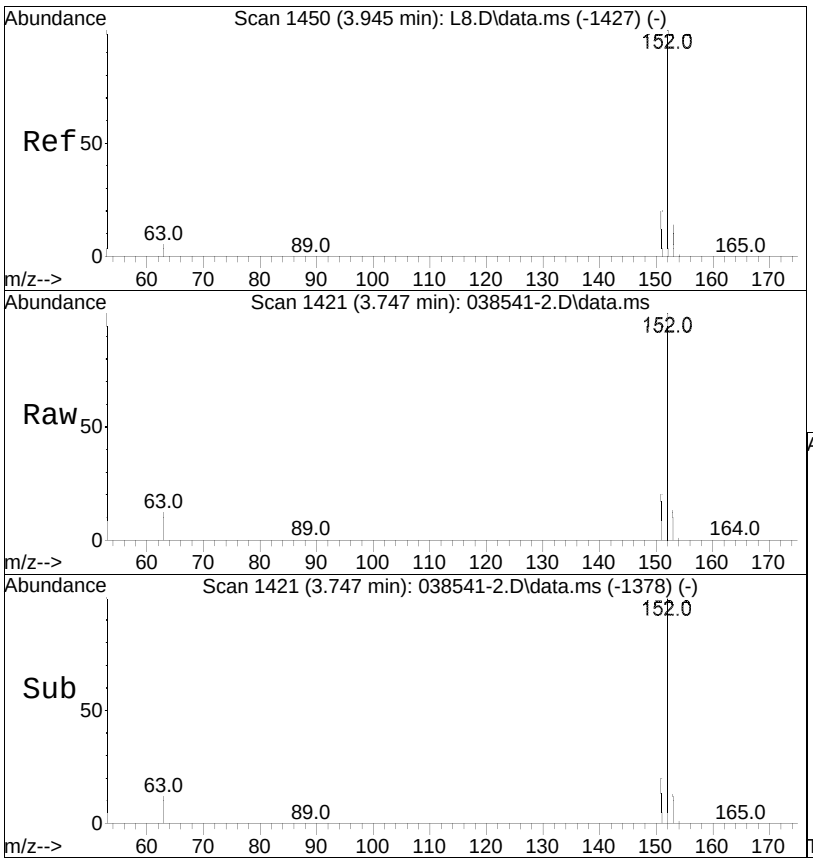


#15
2-Chloronaphthalene
Concen: 1546.76 ng/ml
RT: 3.515 min Scan# 1326
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:162 Resp: 302028

Ion	Ratio	Lower	Upper
162	100		
127	42.7	27.4	41.0#

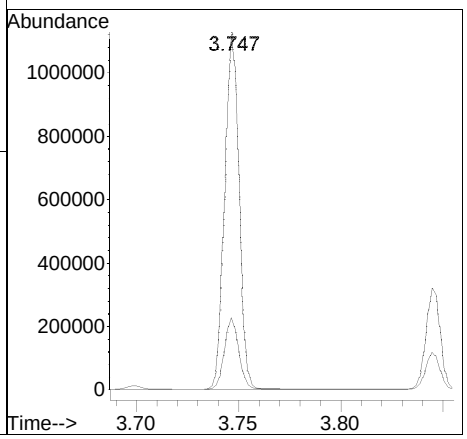


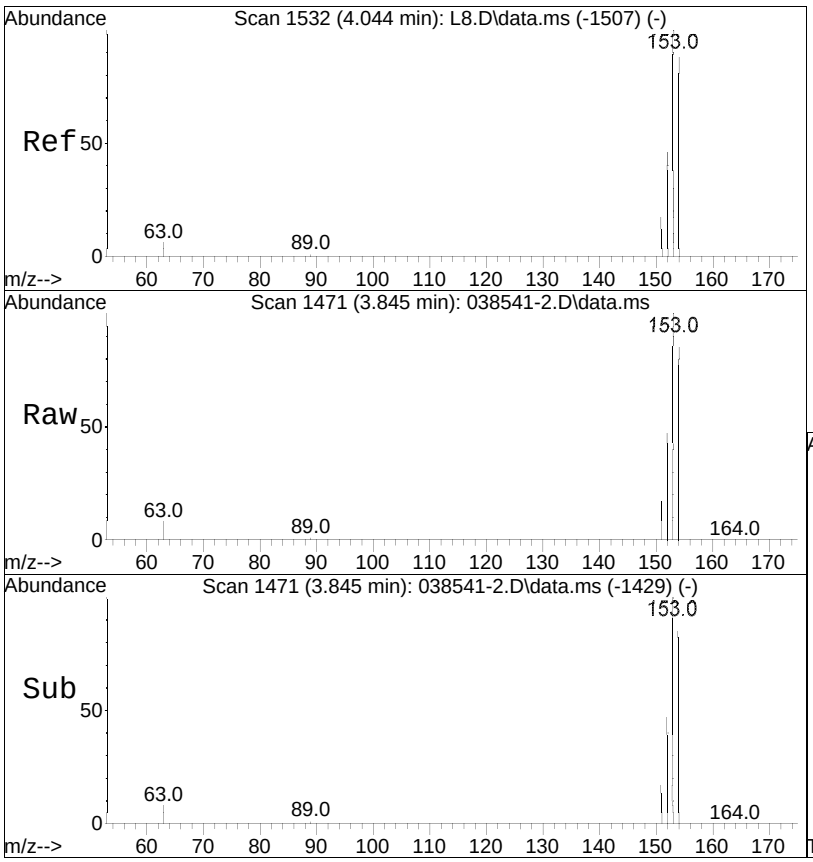


#17
Acenaphthylene
Concen: 1804.12 ng/ml
RT: 3.747 min Scan# 1421
Delta R.T. 0.004 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:152 Resp: 545556

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9

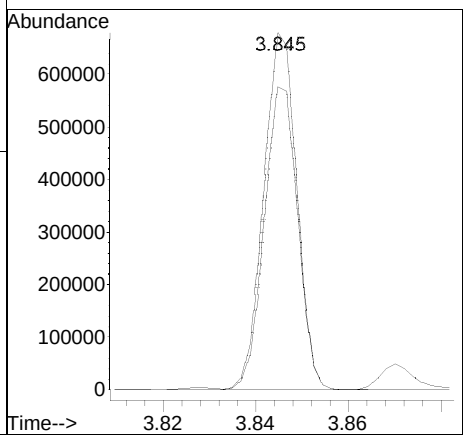


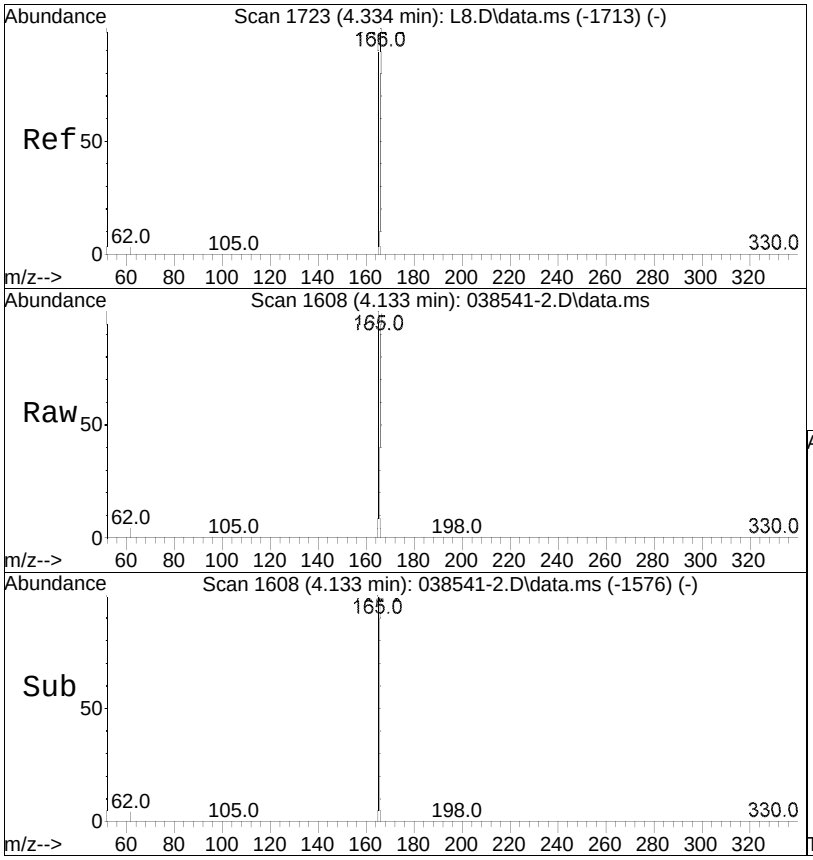


#19
Acenaphthene
Concen: 1677.49 ng/ml
RT: 3.845 min Scan# 1471
Delta R.T. 0.002 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:153 Resp: 334851

Ion	Ratio	Lower	Upper
153	100		
154	85.5	73.1	109.7

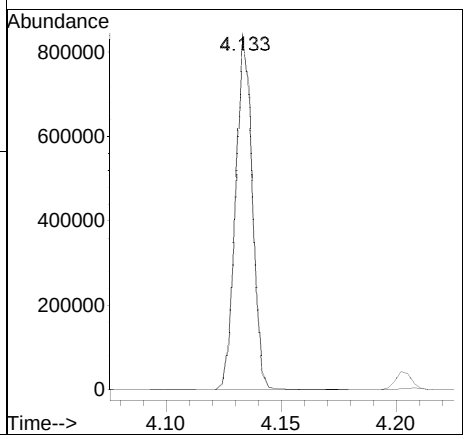


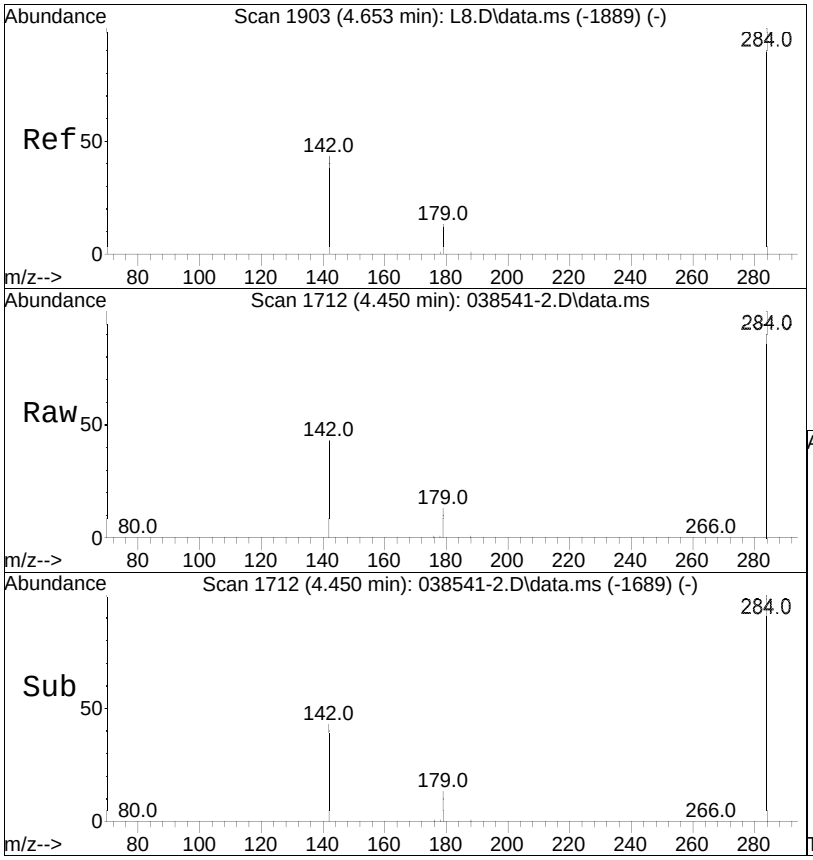


#21
Fluorene
Concen: 1846.72 ng/ml
RT: 4.133 min Scan# 1608
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:166 Resp: 423524

Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.8	116.8

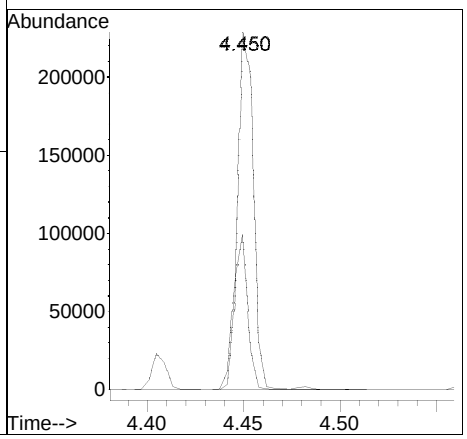


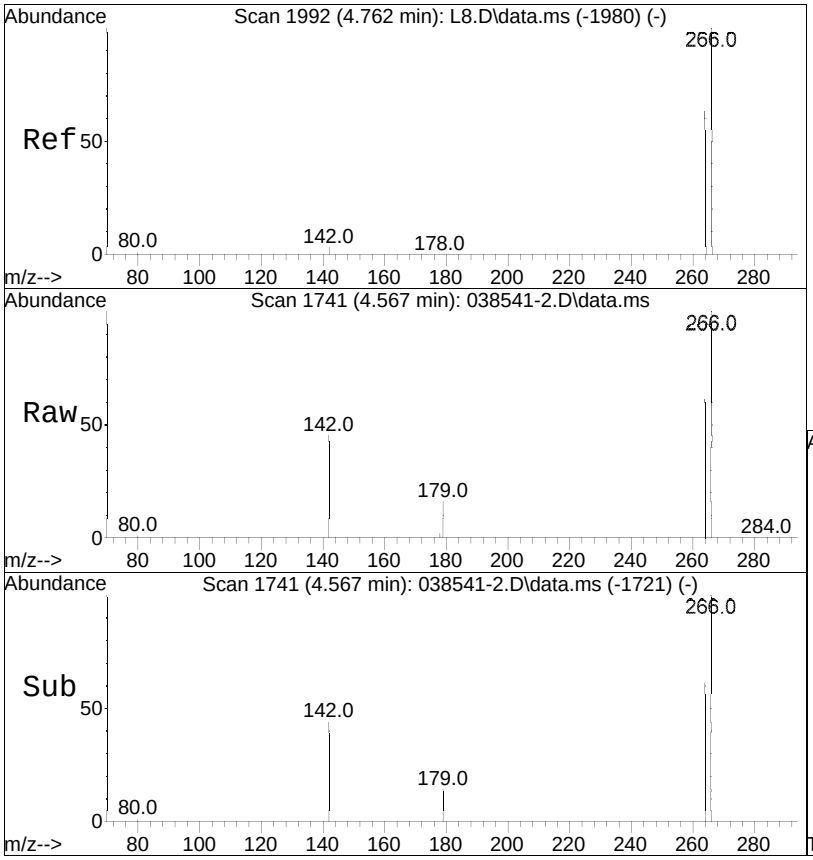


#25
Hexachlorobenzene
Concen: 1679.48 ng/ml
RT: 4.450 min Scan# 1712
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:284 Resp: 127169

Ion	Ratio	Lower	Upper
284	100		
142	39.5	33.8	50.6

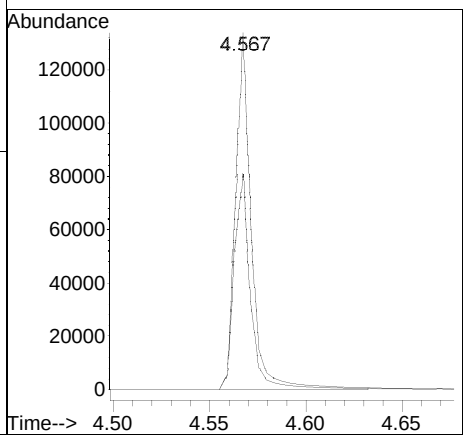


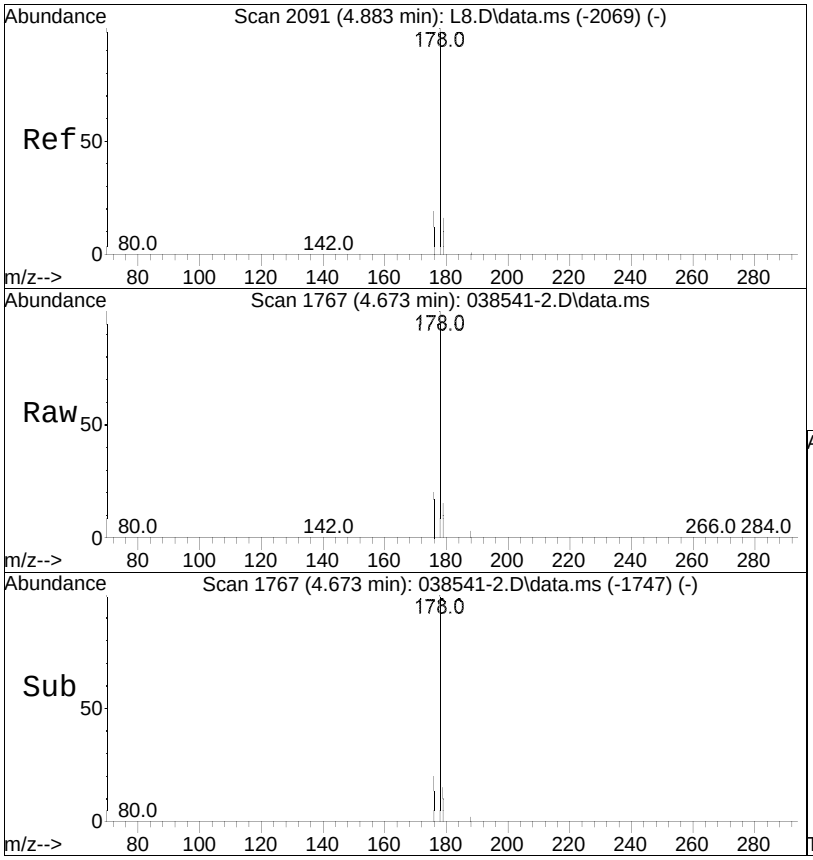


#26
Pentachlorophenol
Concen: 1881.16 ng/ml
RT: 4.567 min Scan# 1741
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:266 Resp: 75525

Ion	Ratio	Lower	Upper
266	100		
264	63.6	50.8	76.2

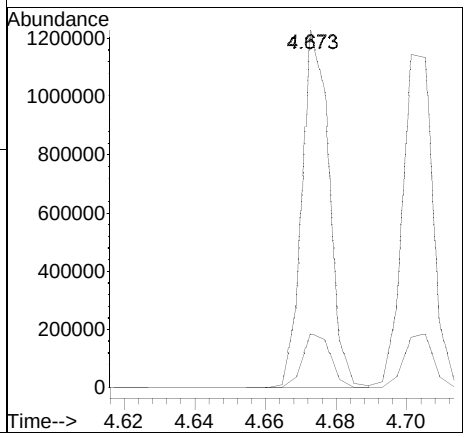


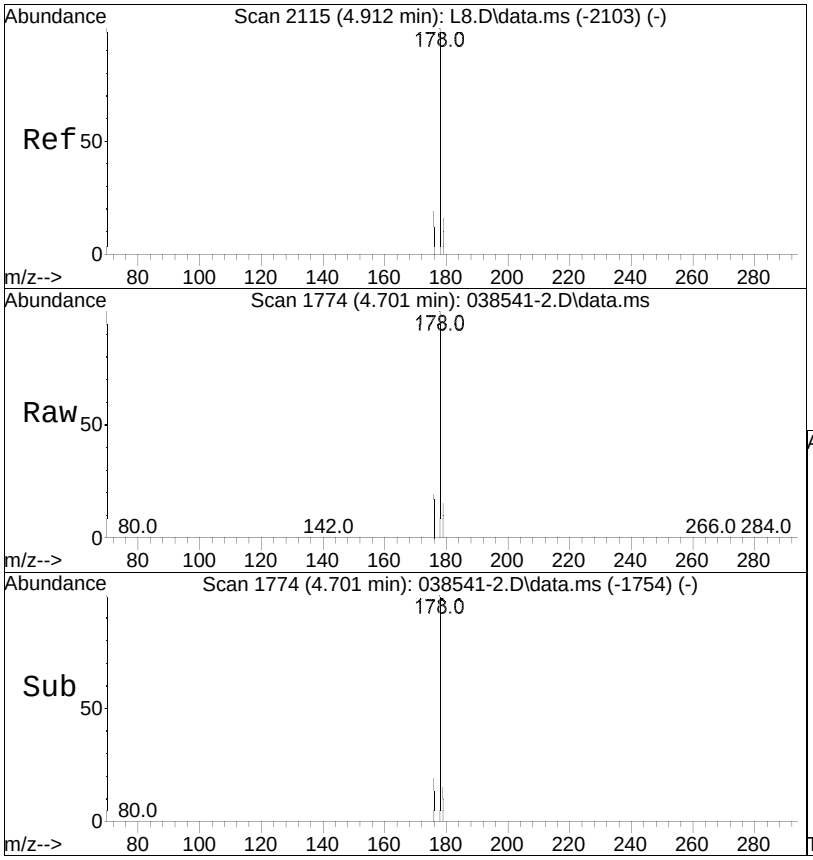


#27
Phenanthrene
Concen: 1754.98 ng/ml
RT: 4.673 min Scan# 1767
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:178 Resp: 659156

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2

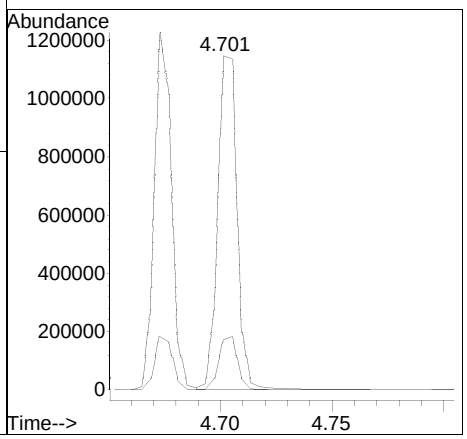


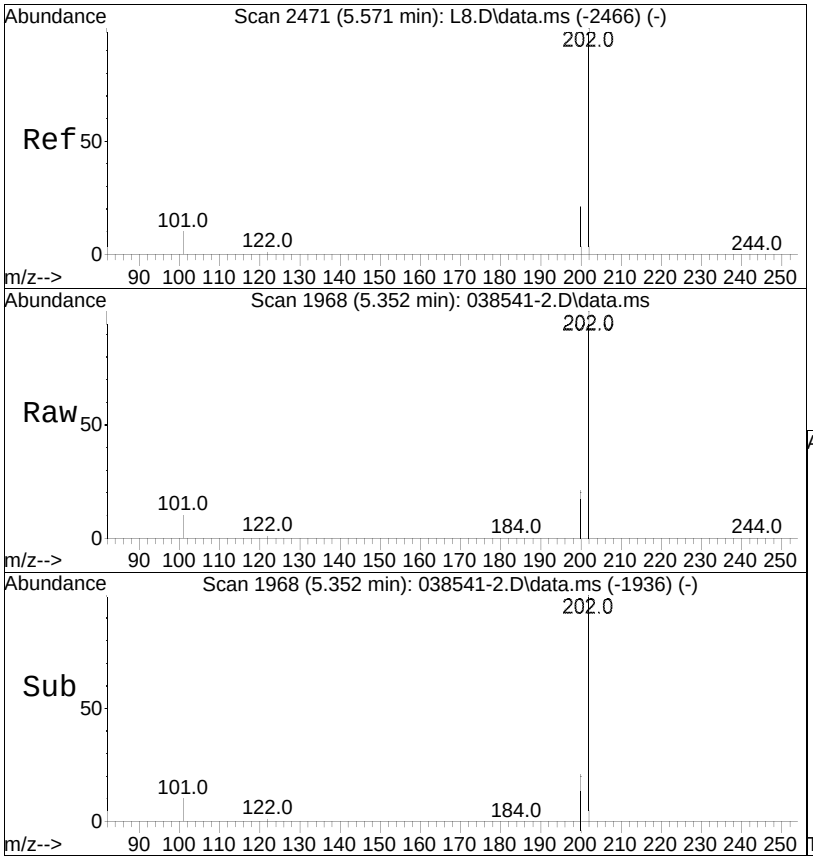


#28
Anthracene
Concen: 1834.49 ng/ml
RT: 4.701 min Scan# 1774
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:178 Resp: 690815

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

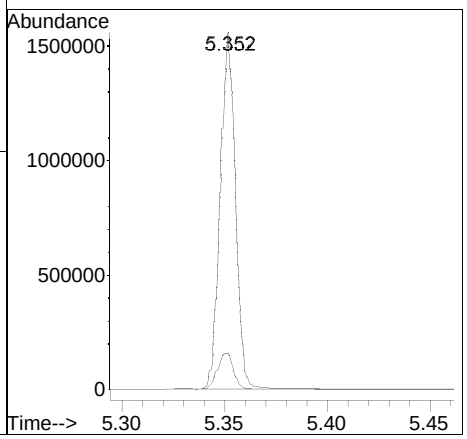


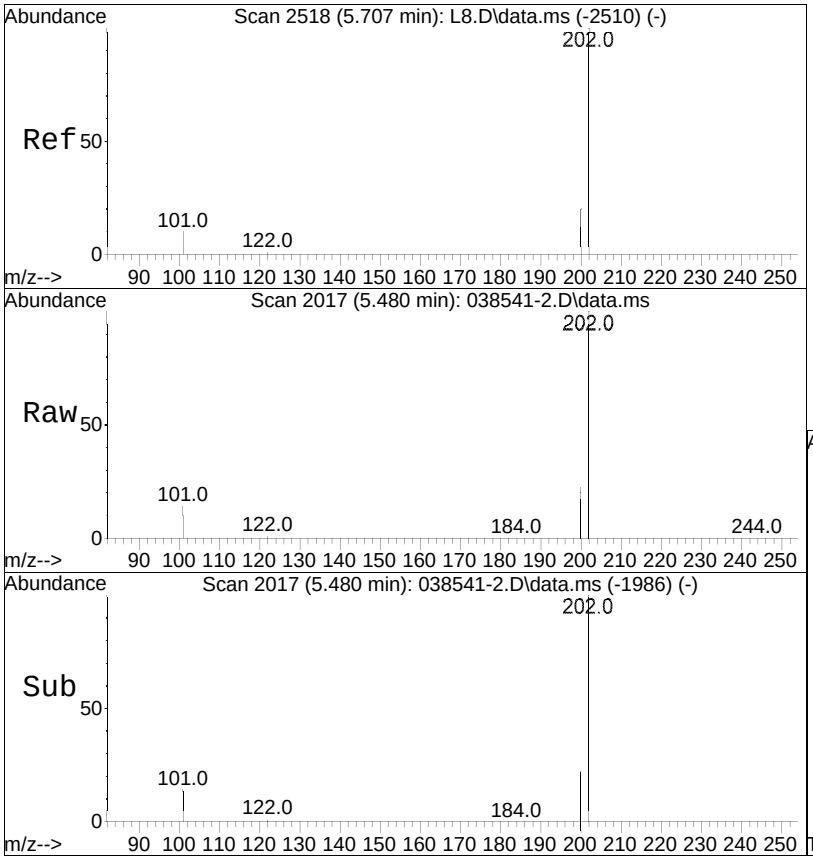


#29
Fluoranthene
Concen: 1678.03 ng/ml
RT: 5.352 min Scan# 1968
Delta R.T. 0.004 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:202 Resp: 788512

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2

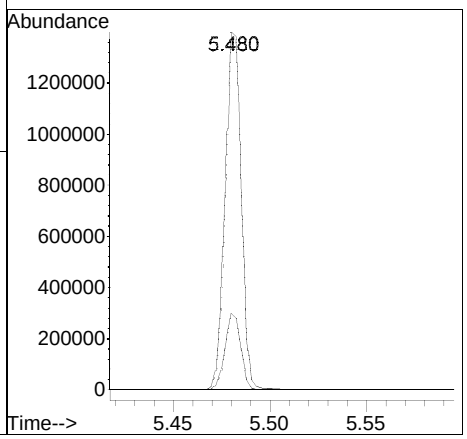


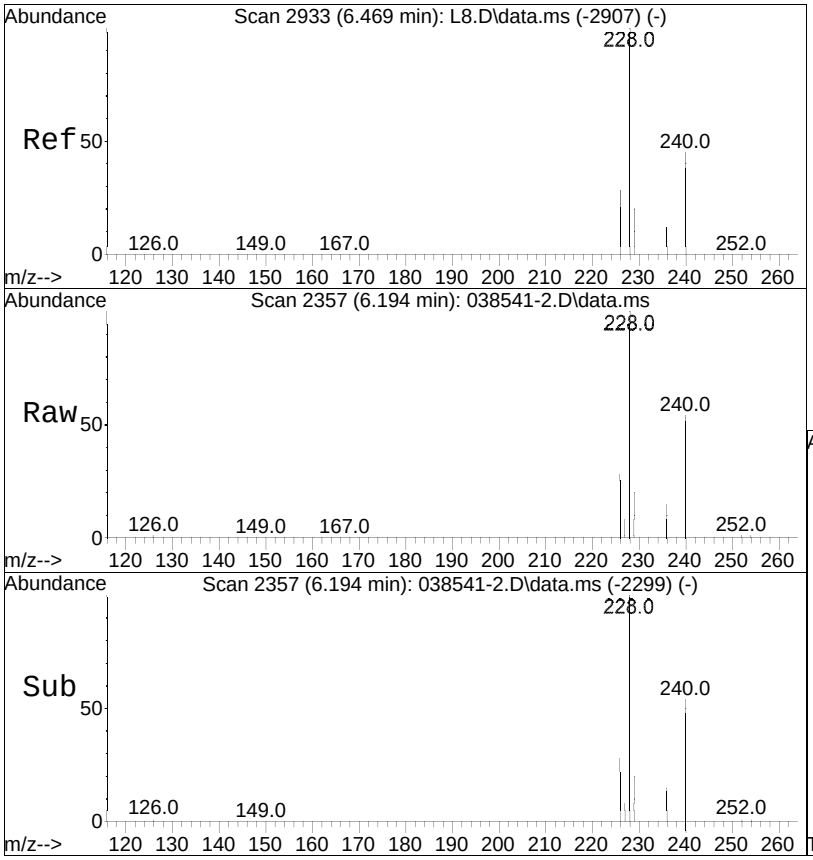


#30
Pyrene
Concen: 1640.34 ng/ml
RT: 5.480 min Scan# 2017
Delta R.T. 0.001 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:202 Resp: 795613

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3

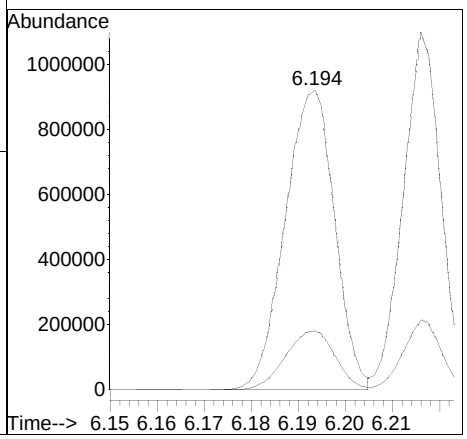


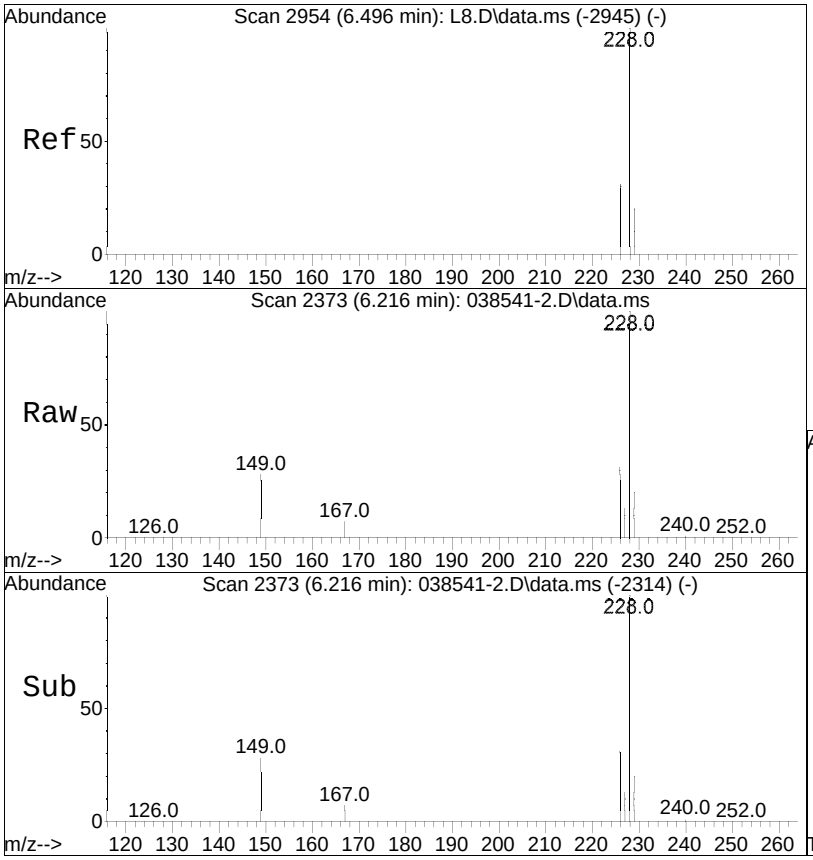


#34
Benzo[a]anthracene
Concen: 1881.80 ng/ml
RT: 6.194 min Scan# 2357
Delta R.T. 0.001 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:228 Resp: 673079

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

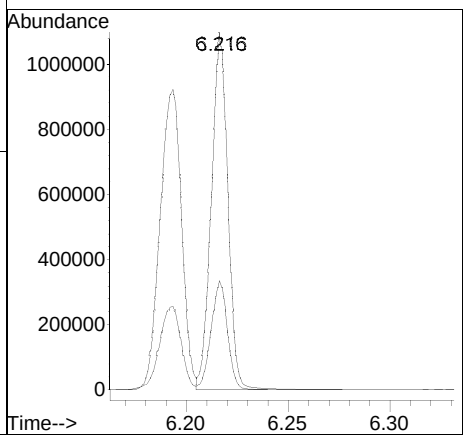


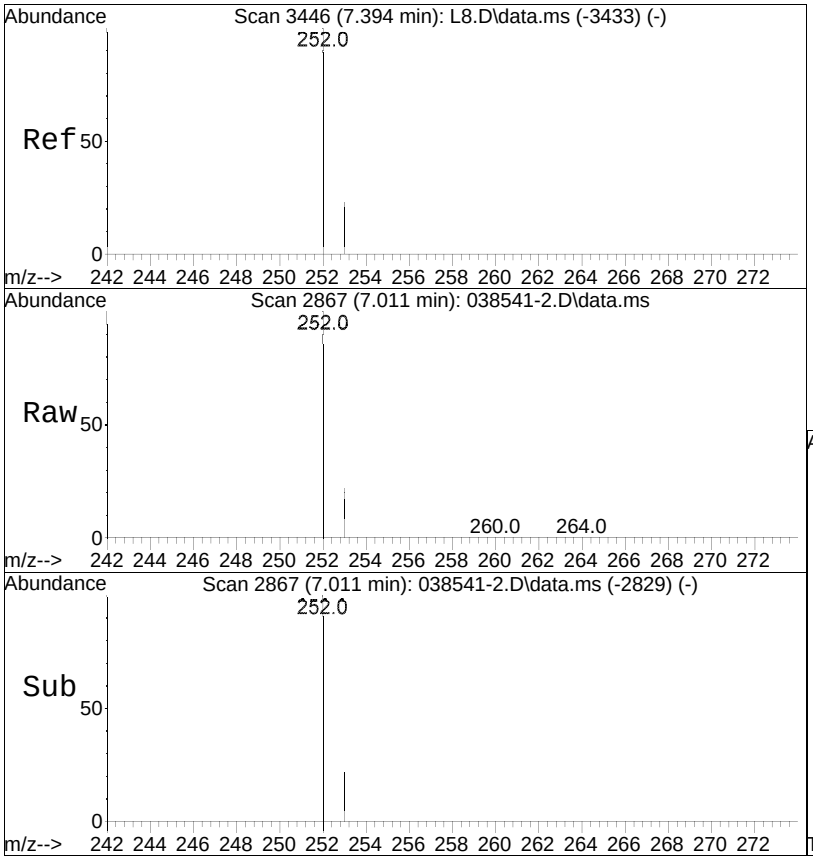


#36
Chrysene
Concen: 1766.62 ng/ml
RT: 6.216 min Scan# 2373
Delta R.T. 0.003 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:228 Resp: 616431

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6

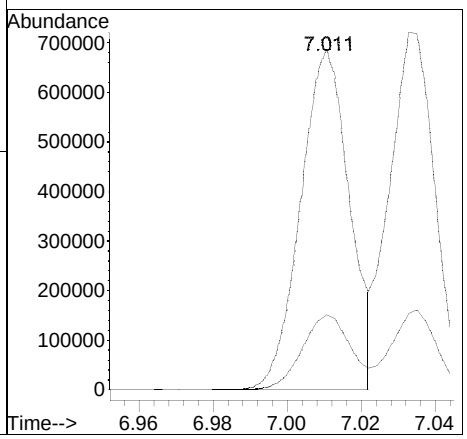


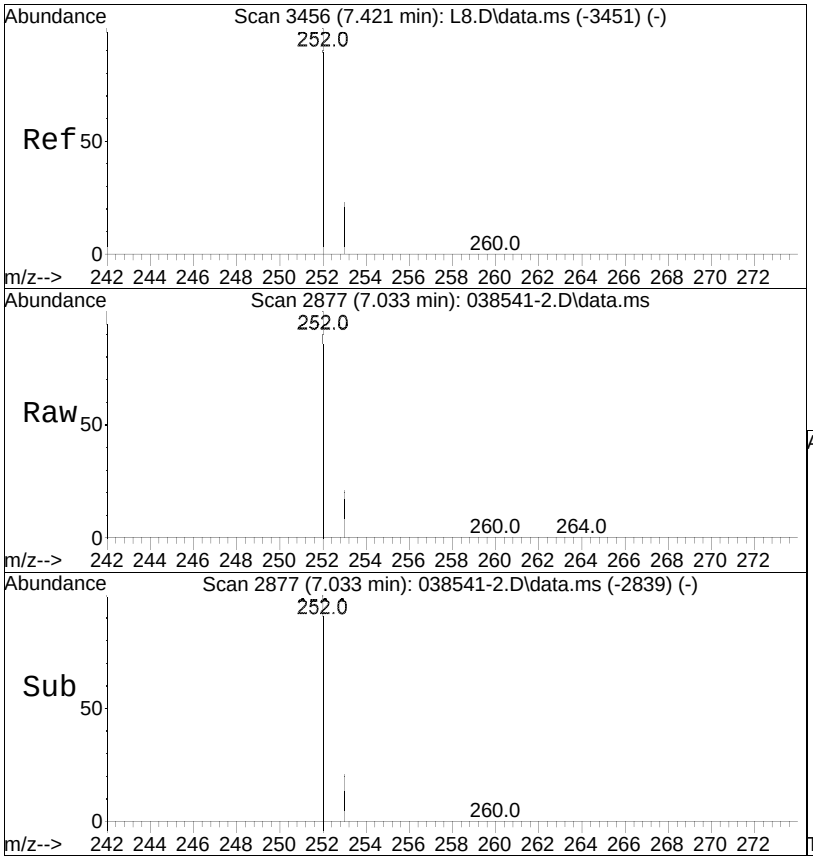


#39
Benzo[b]fluoranthene
Concen: 1865.50 ng/ml
RT: 7.011 min Scan# 2867
Delta R.T. 0.004 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:252 Resp: 629827

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1

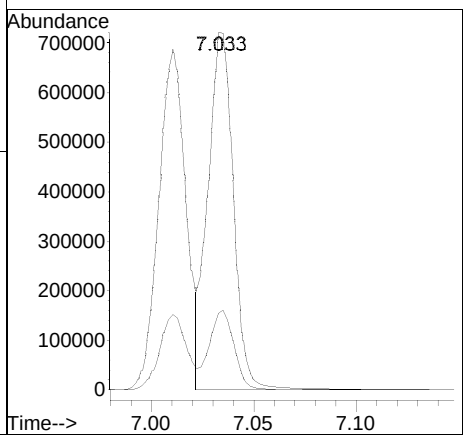


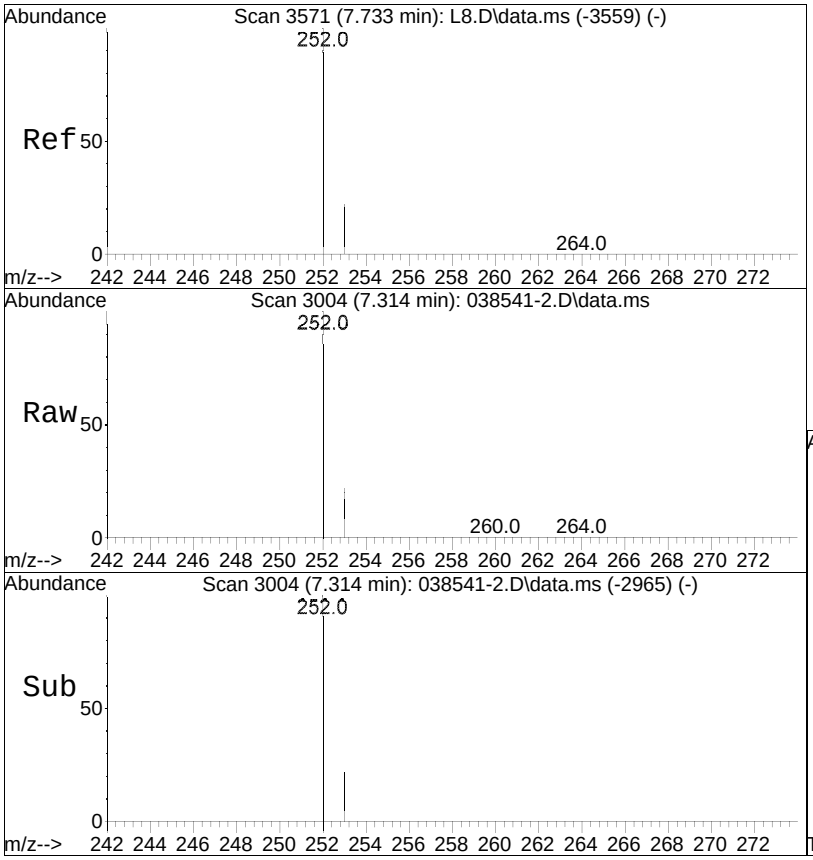


#40
Benzo[k]fluoranthene
Concen: 1854.67 ng/ml
RT: 7.033 min Scan# 2877
Delta R.T. 0.004 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:252 Resp: 617489

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2

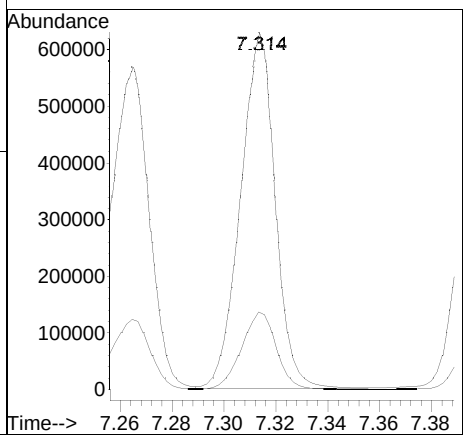


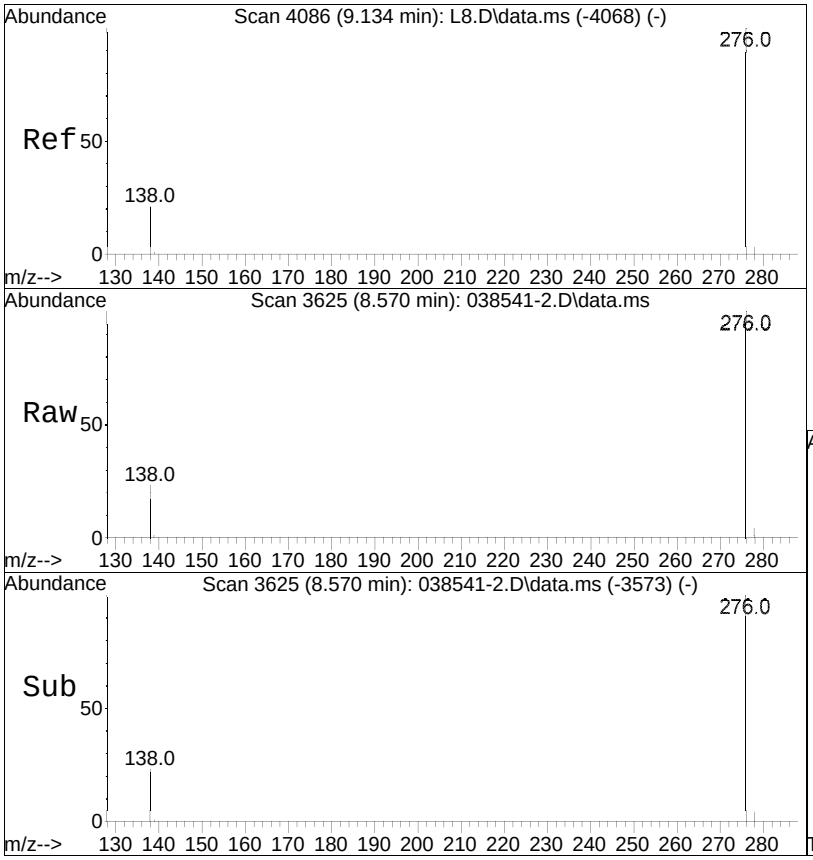


#41
Benzo[a]pyrene
Concen: 2021.89 ng/ml
RT: 7.314 min Scan# 3004
Delta R.T. 0.006 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:252 Resp: 579229

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9

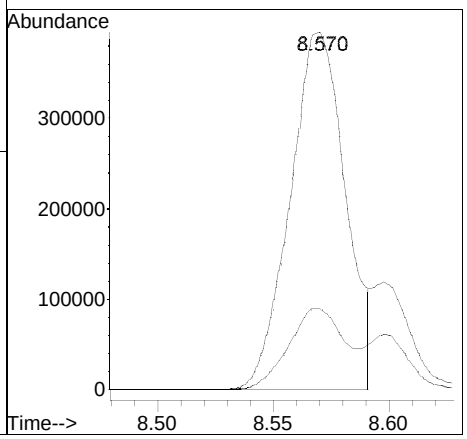


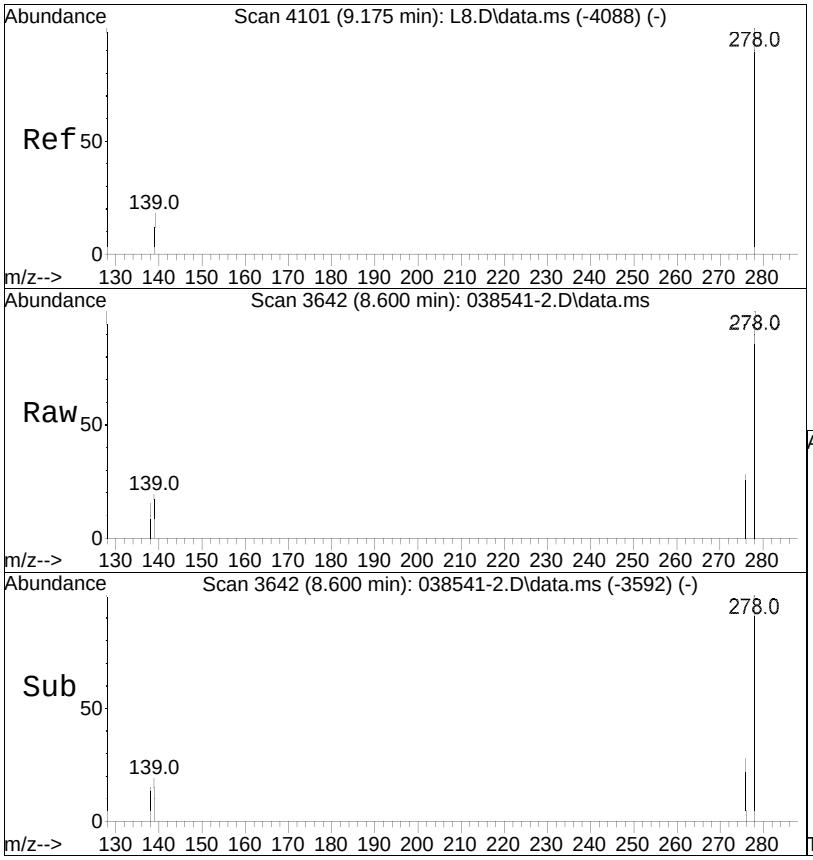


#42
Indeno[1,2,3-cd]pyrene
Concen: 2349.90 ng/ml
RT: 8.570 min Scan# 3625
Delta R.T. 0.010 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:276 Resp: 651736

Ion	Ratio	Lower	Upper
276	100		
138	22.5	16.9	25.3

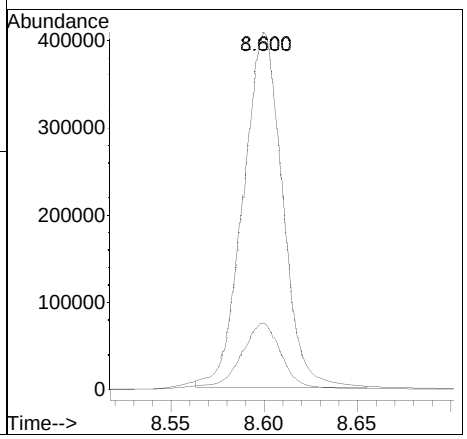


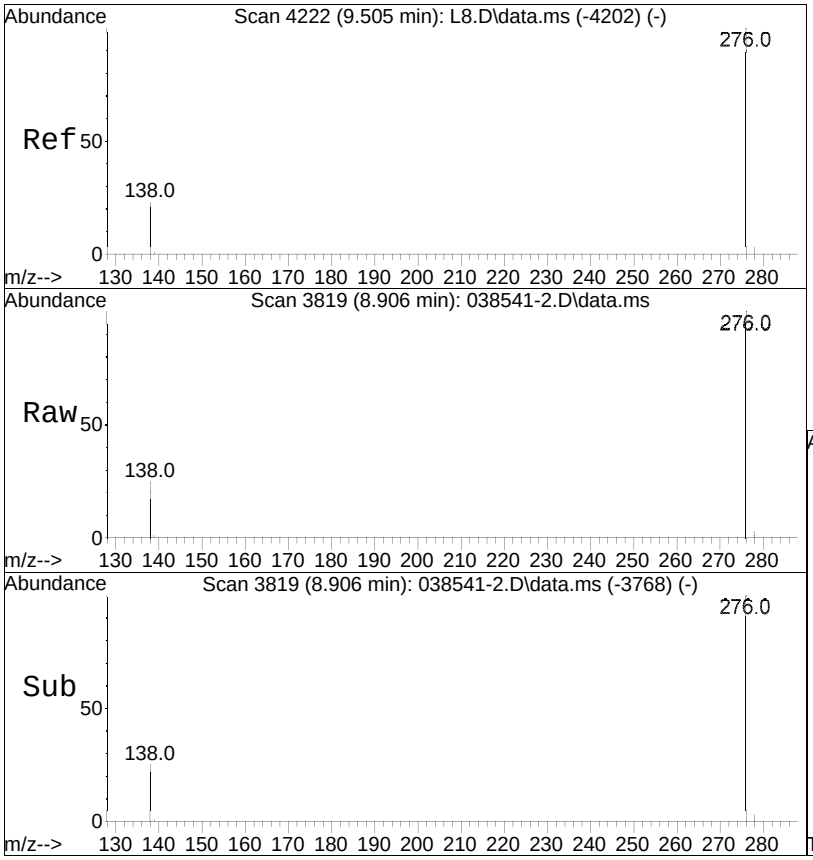


#43
Dibenzo[a,h]anthracene
Concen: 2304.90 ng/ml M6
RT: 8.600 min Scan# 3642
Delta R.T. 0.007 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:278 Resp: 593025

Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.6	22.0

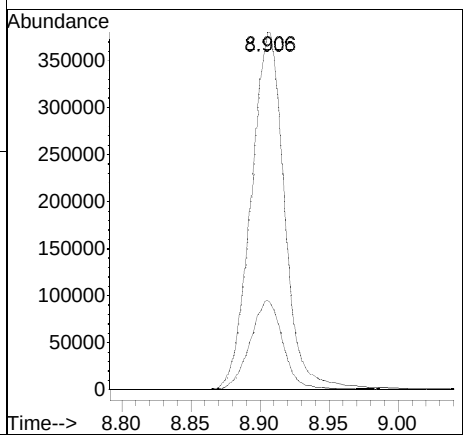




#44
Benzo[g,h,i]perylene
Concen: 2386.28 ng/ml
RT: 8.906 min Scan# 3819
Delta R.T. 0.008 min
Lab File: 038541-2.D
Acq: 10 Mar 2025 02:59 pm

Tgt Ion:276 Resp: 629913

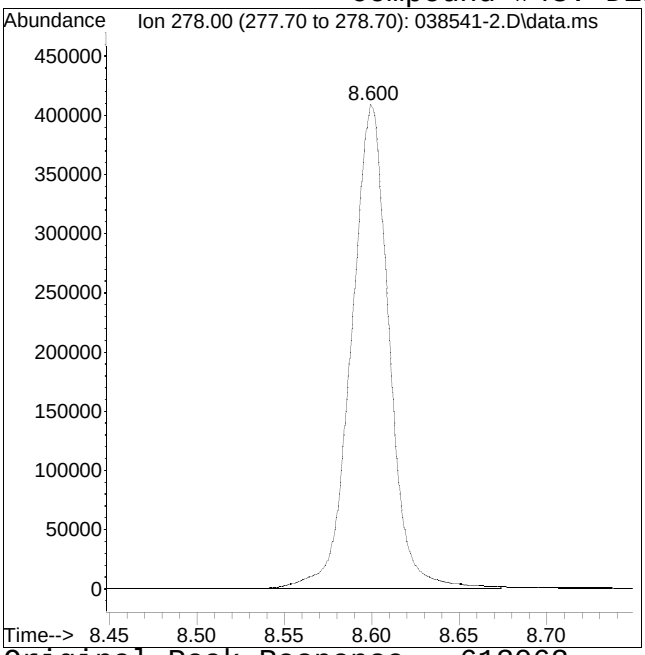
Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.6	28.0



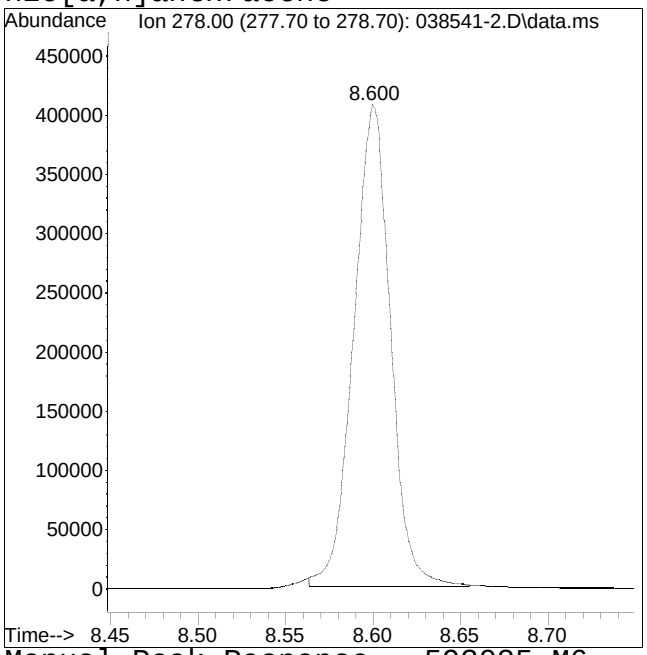
Manual Integration Report

Data Path : I:\8270SIM\sv119\250310RVTQMethod : SIM-RVT_241229_sv119.M
Data File : 038541-2.D Operator : sv119:dv
Date Inj'd : 3/10/2025 2:59 pm Instrument : SV119
Sample : WG2038541-2,32,,jjw,442 Quant Date : 3/10/2025 3:13 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 613062



Manual Peak Response = 593025 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-3.D
Acq On : 06 Mar 2025 12:39 pm
Operator : SV118:jjw
Sample : WG2037073-3,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 13:21:13 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.314	152	242304	4000.000	ng/ml	0.00
Standard Area 1 = 304898			Recovery = 79.47%			
9) Naphthalene-d8	2.994	136	1026934	4000.000	ng/ml	0.00
Standard Area 1 = 1185674			Recovery = 86.61%			
18) Acenaphthene-d10	3.983	164	641377	4000.000	ng/ml	0.00
Standard Area 1 = 695826			Recovery = 92.17%			
23) Phenanthrene-d10	4.820	188	1222111	4000.000	ng/ml	0.00
Standard Area 1 = 1439780			Recovery = 84.88%			
33) Chrysene-d12	6.350	240	1003821	4000.000	ng/ml	0.00
Standard Area 1 = 1382767			Recovery = 72.60%			
38) Perylene-d12	7.583	264	1226809	4000.000	ng/ml	0.00
Standard Area 1 = 1363554			Recovery = 89.97%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.711	112	73425	990.981	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.55%			
4) Phenol-d6	2.123	99	75459	849.969	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.50%			
8) Nitrobenzene-d5	2.603	82	57306	790.484	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.05%			
14) 2-Fluorobiphenyl	3.598	172	165987	738.143	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.81%			
22) 2,4,6-Tribromophenol	4.428	330	47508	1601.259	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 80.06%			
32) 4-Terphenyl-d14	5.717	244	183880	647.688	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.77%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	2.174	93	107222	1360.209	ng/ml	97
7) Hexachloroethane	2.580	117	33902	1028.173	ng/ml	95
10) Naphthalene	3.005	128	347015	1189.201	ng/ml	100
11) Hexachlorobutadiene	3.079	225	50973	975.522	ng/ml	100
12) 2-Methylnaphthalene	3.390	142	232250	1279.109	ng/ml	99
15) 2-Chloronaphthalene	3.666	162	268162	1365.021	ng/ml	92
17) Acenaphthylene	3.899	152	494230	1645.277	ng/ml	100
19) Acenaphthene	3.999	153	301147	1318.947	ng/ml	98
21) Fluorene	4.290	166	363756	1449.029	ng/ml	100
25) Hexachlorobenzene	4.606	284	125244	1547.354	ng/ml	96

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-3.D
Acq On : 06 Mar 2025 12:39 pm
Operator : SV118:jjw
Sample : WG2037073-3,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 13:21:13 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\SV118\250306aRVT\ccv0306a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	4.715	266	62394	1445.375	ng/ml	99
27) Phenanthrene	4.830	178	532806	1439.968	ng/ml	100
28) Anthracene	4.859	178	553090	1506.006	ng/ml	100
29) Fluoranthene	5.503	202	613318	1455.392	ng/ml	98
30) Pyrene	5.628	202	605585	1388.597	ng/ml	99
34) Benzo[a]anthracene	6.340	226	158140	1490.951	ng/ml#	100
36) Chrysene	6.366	228	533206	1539.606	ng/ml#	99
39) Benzo[b]fluoranthene	7.200	252	657363	1628.465	ng/ml	100
40) Benzo[k]fluoranthene	7.224	252	614791	1600.664	ng/ml	100
41) Benzo[a]pyrene	7.516	252	592154	1762.886	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.827	276	672844	2259.741	ng/ml	100
43) Dibenzo[a,h]anthracene	8.865	278	622729M6	2166.358	ng/ml	
44) Benzo[g,h,i]perylene	9.177	276	628626	1998.030	ng/ml	99

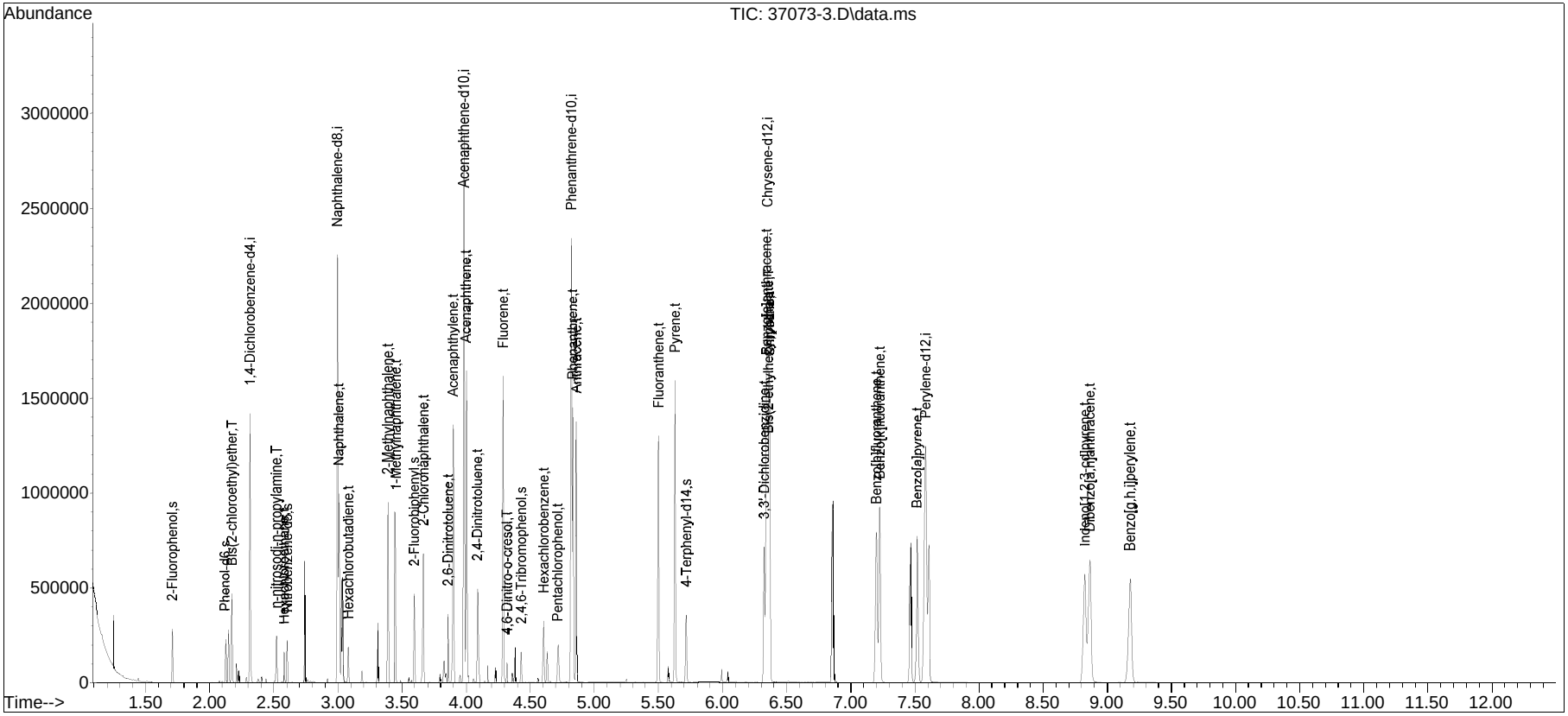
(#) = qualifier out of range (m) = manual integration (+) = signals summed

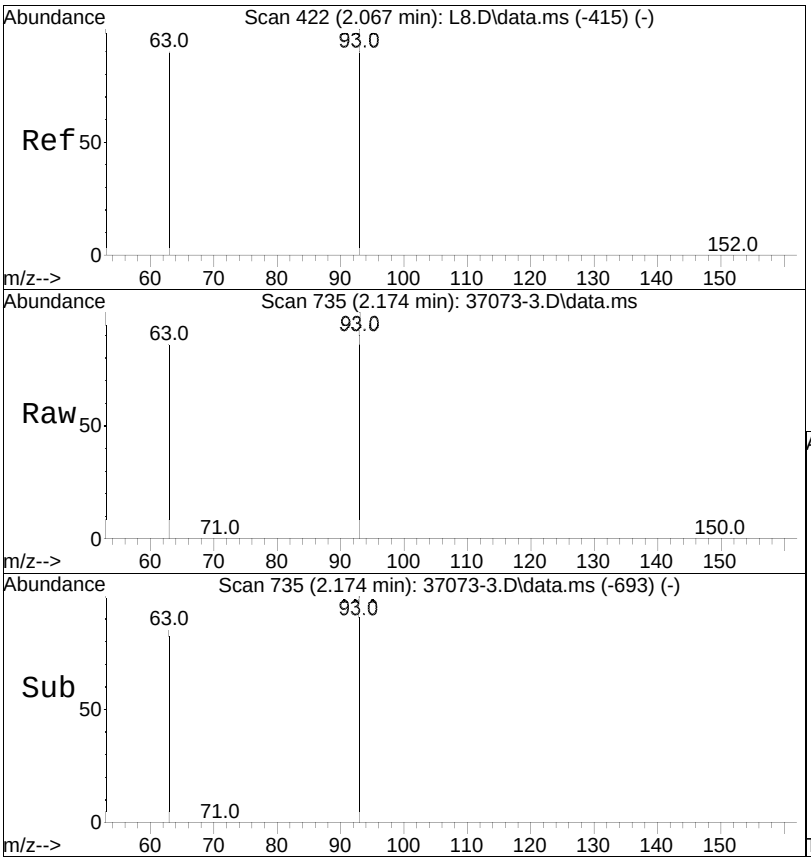
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250306aRVT\
Data File : 37073-3.D
Acq On : 06 Mar 2025 12:39 pm
Operator : SV118:jjw
Sample : WG2037073-3,32,,RV,kmh
Misc : WG2037249,WG2037073,ical21963
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 06 13:21:13 2025
Quant Method : I:\8270sim\SV118\250306aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 07:32:44 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0306a.D•

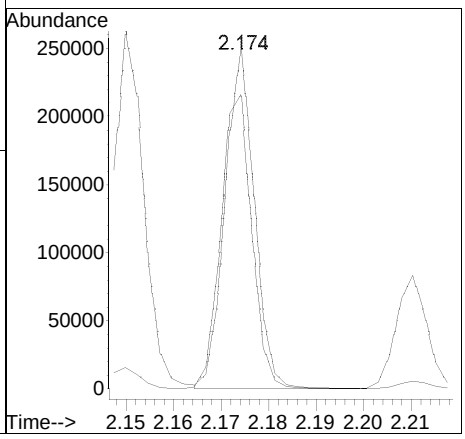


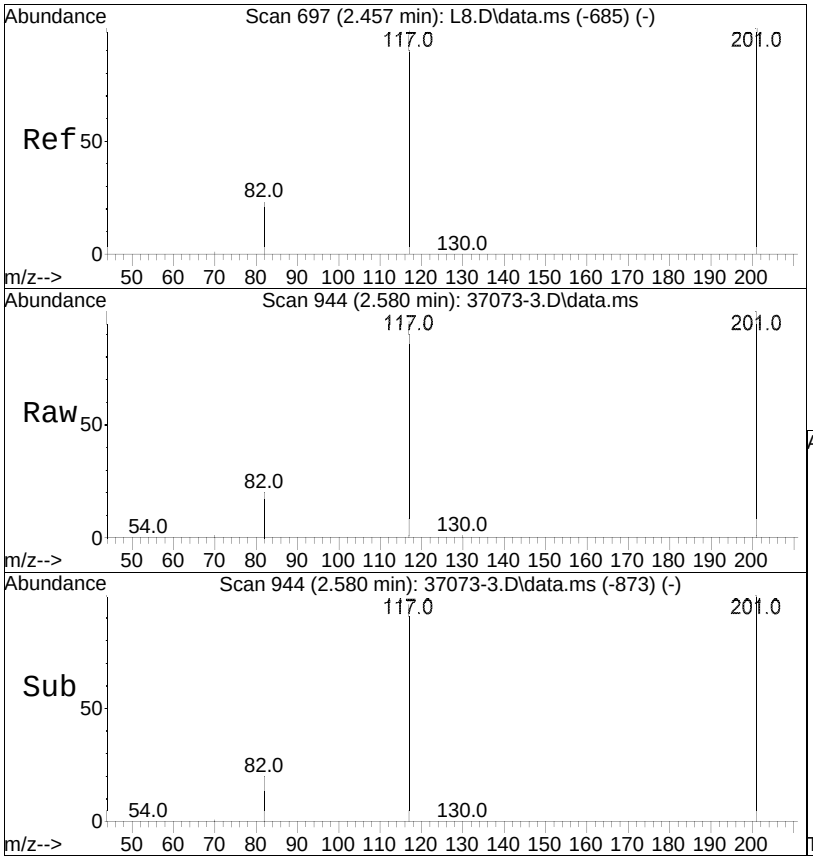


#5
Bis(2-chloroethyl)ether
Concen: 1360.21 ng/ml
RT: 2.174 min Scan# 735
Delta R.T. 0.001 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion: 93 Resp: 107222

Ion	Ratio	Lower	Upper
93	100		
63	91.0	70.2	105.4

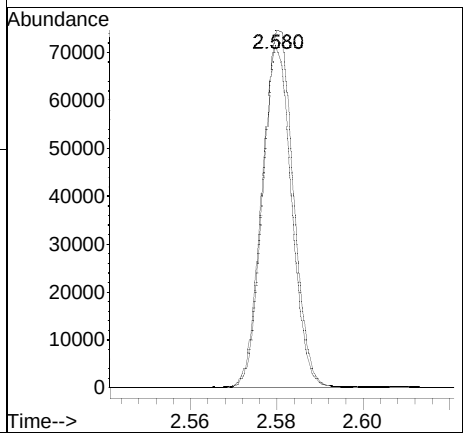


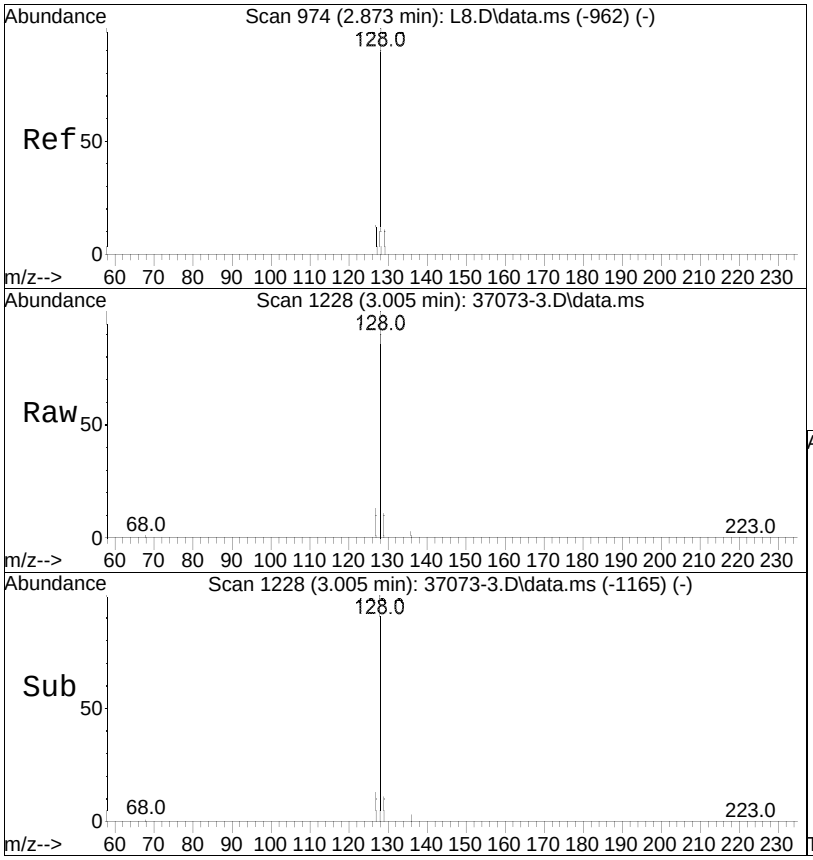


#7
Hexachloroethane
Concen: 1028.17 ng/ml
RT: 2.580 min Scan# 944
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:117 Resp: 33902

Ion	Ratio	Lower	Upper
117	100		
201	105.7	80.5	120.7

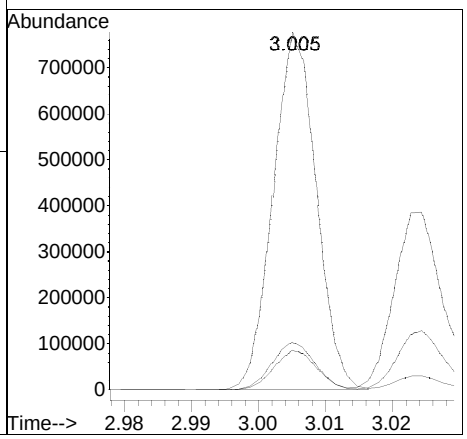


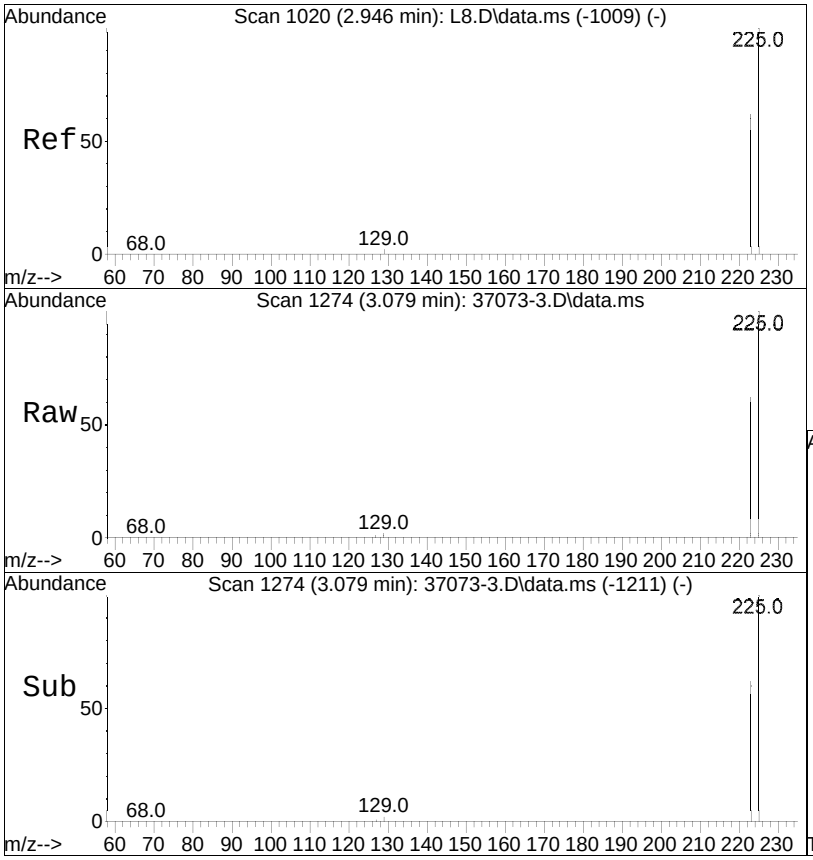


#10
Naphthalene
Concen: 1189.20 ng/ml
RT: 3.005 min Scan# 1228
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:128 Resp: 347015

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.3	10.6	15.8

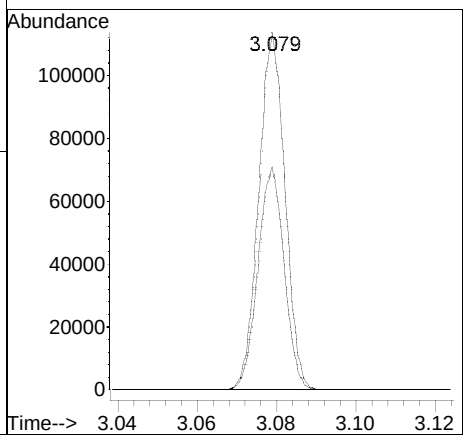


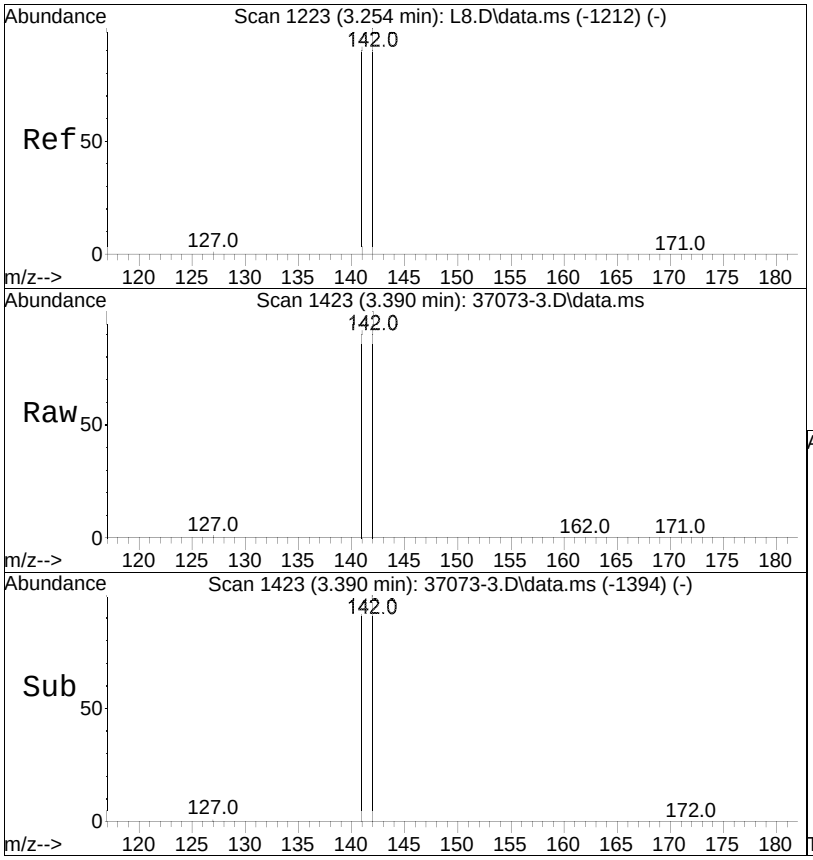


#11
Hexachlorobutadiene
Concen: 975.52 ng/ml
RT: 3.079 min Scan# 1274
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:225 Resp: 50973

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2

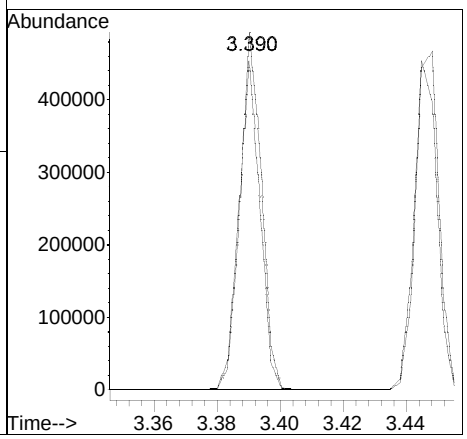


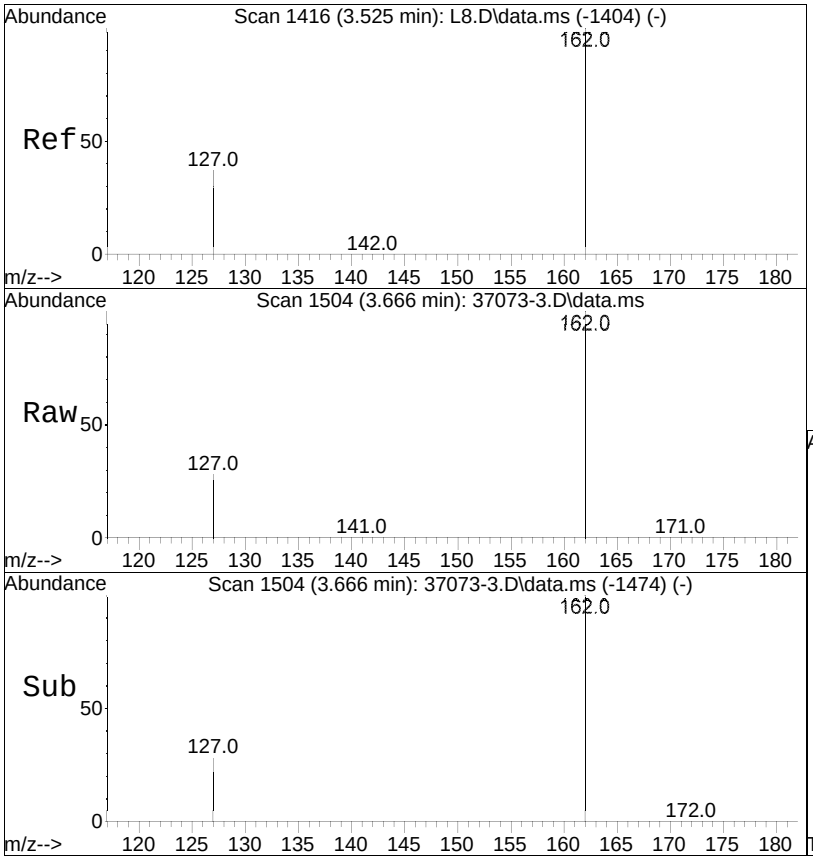


#12
2-Methylnaphthalene
Concen: 1279.11 ng/ml
RT: 3.390 min Scan# 1423
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:142 Resp: 232250

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.4	110.2

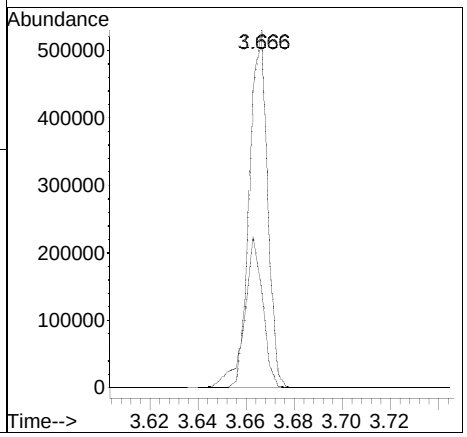


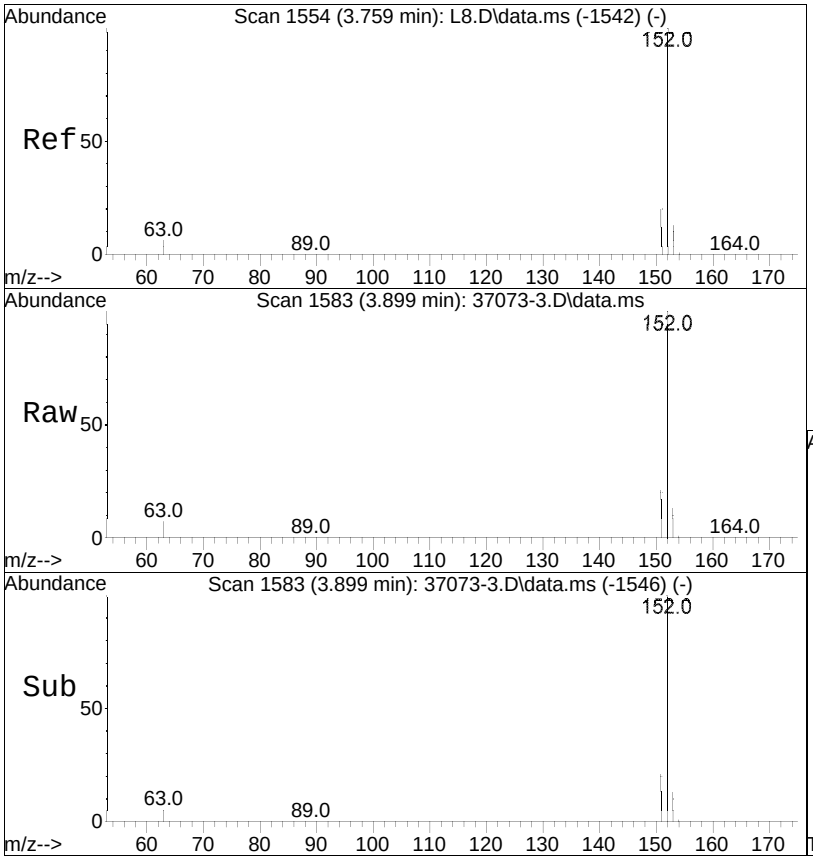


#15
2-Chloronaphthalene
Concen: 1365.02 ng/ml
RT: 3.666 min Scan# 1504
Delta R.T. 0.004 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:162 Resp: 268162

Ion	Ratio	Lower	Upper
162	100		
127	43.8	31.0	46.6

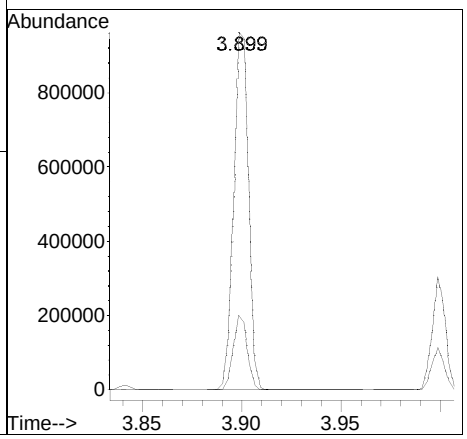


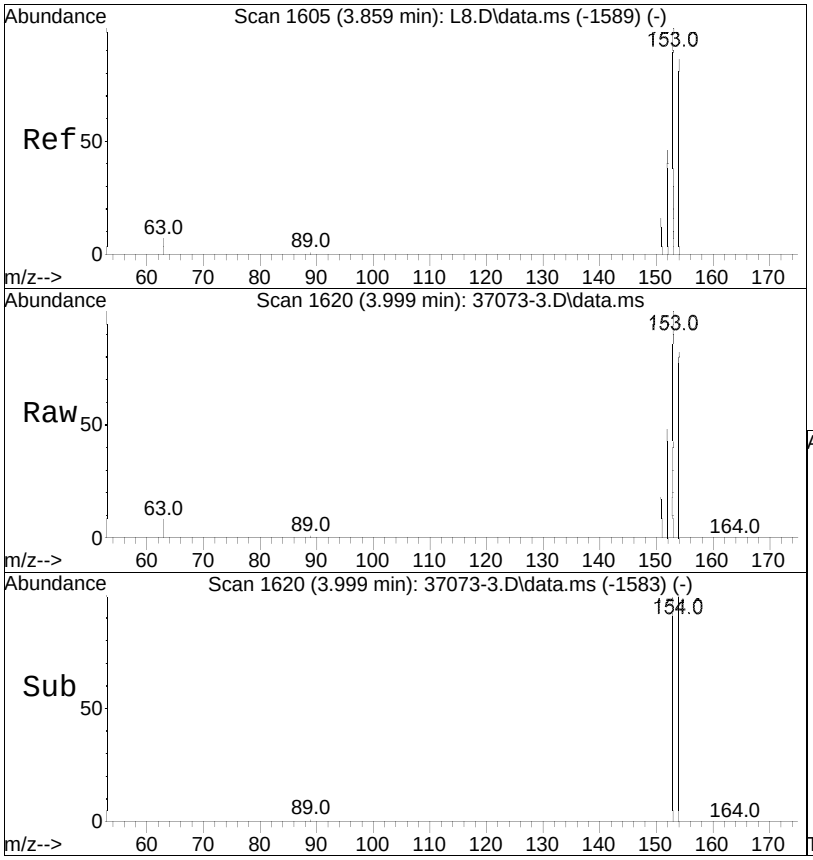


#17
Acenaphthylene
Concen: 1645.28 ng/ml
RT: 3.899 min Scan# 1583
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:152 Resp: 494230

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0

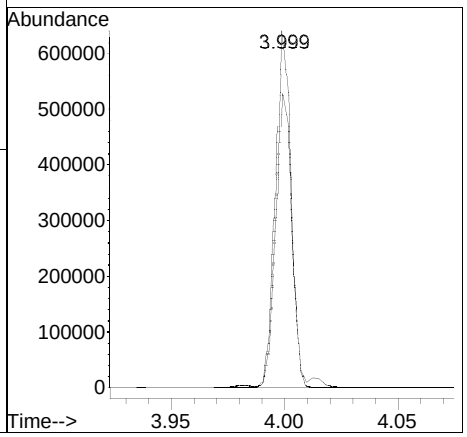


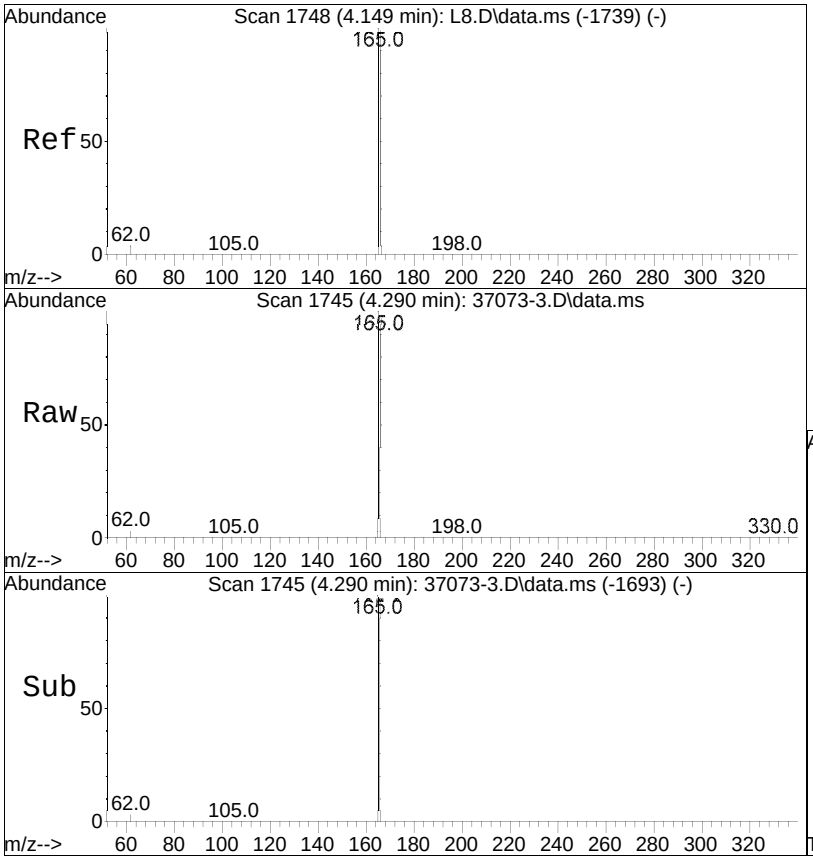


#19
Acenaphthene
Concen: 1318.95 ng/ml
RT: 3.999 min Scan# 1620
Delta R.T. 0.000 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:153 Resp: 301147

Ion	Ratio	Lower	Upper
153	100		
154	87.1	67.9	101.9

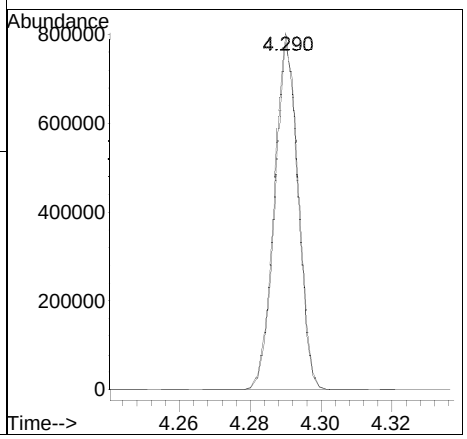


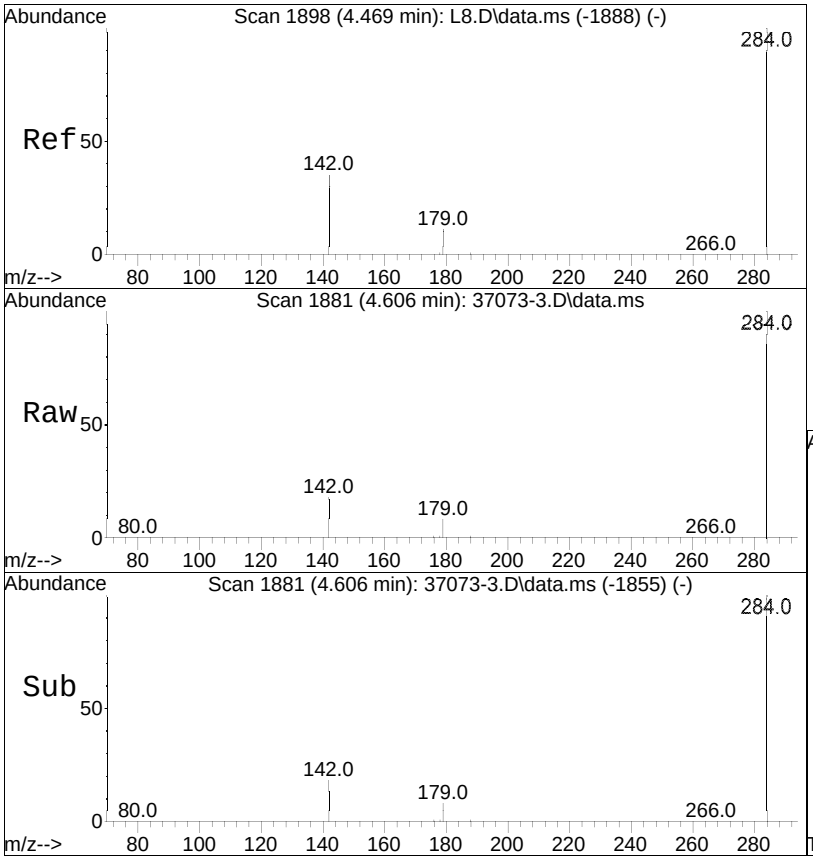


#21
Fluorene
Concen: 1449.03 ng/ml
RT: 4.290 min Scan# 1745
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:166 Resp: 363756

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.3	121.9

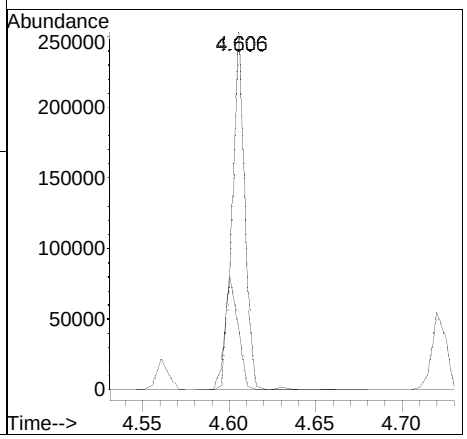


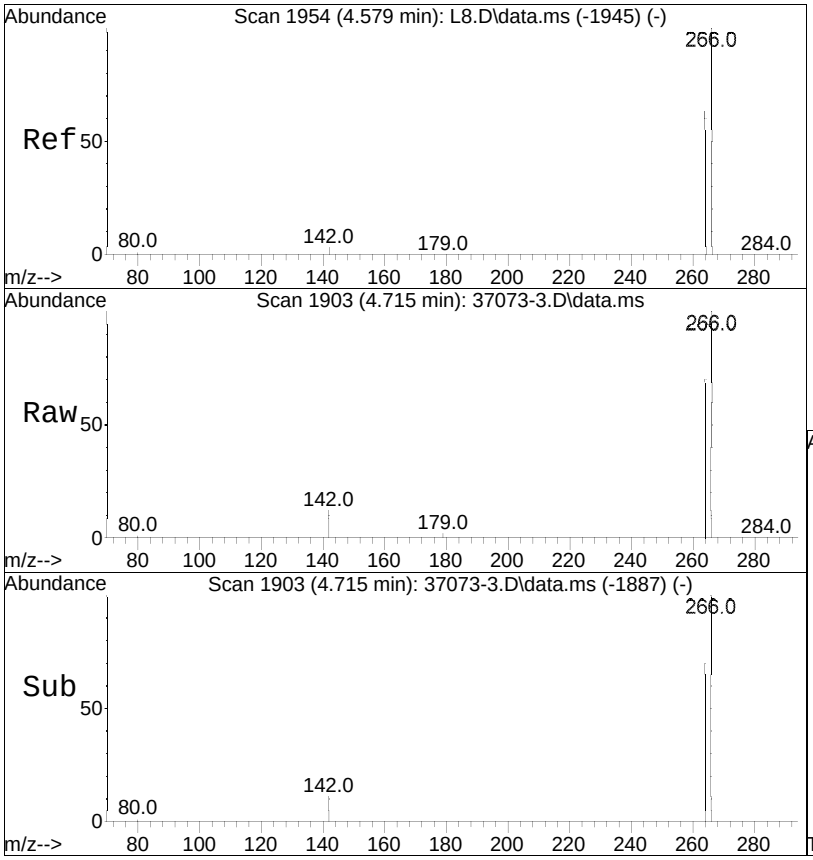


#25
Hexachlorobenzene
Concen: 1547.35 ng/ml
RT: 4.606 min Scan# 1881
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:284 Resp: 125244

Ion	Ratio	Lower	Upper
284	100		
142	34.1	29.0	43.4

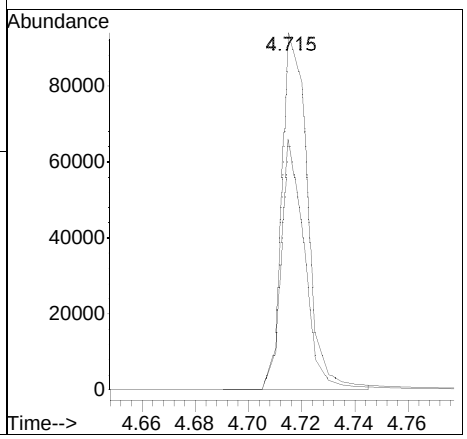


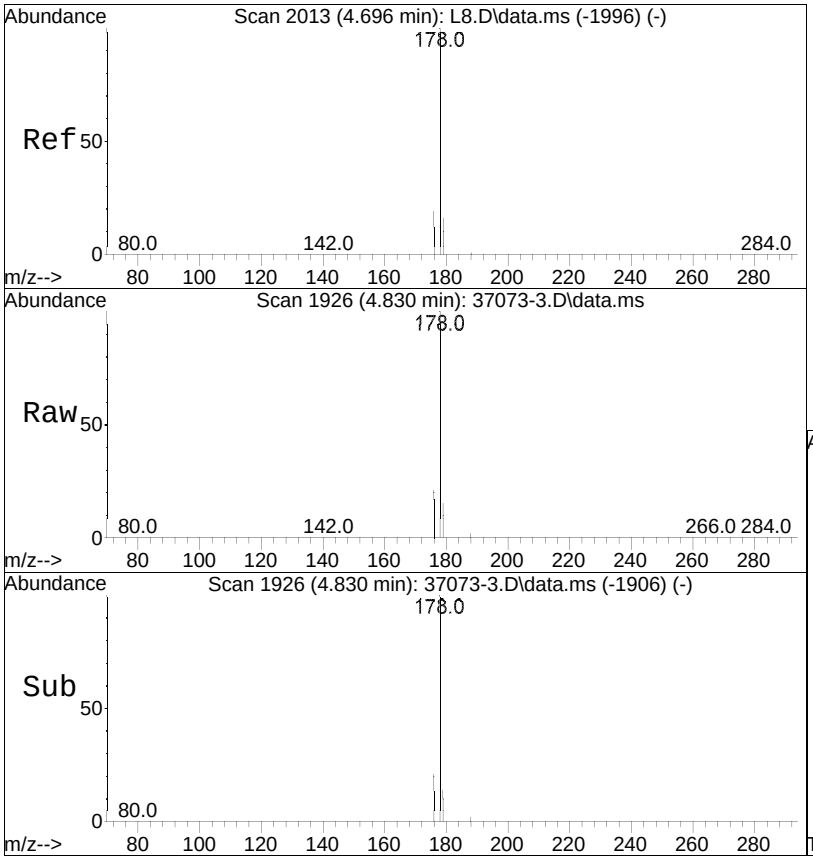


#26
Pentachlorophenol
Concen: 1445.38 ng/ml
RT: 4.715 min Scan# 1903
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:266 Resp: 62394

Ion	Ratio	Lower	Upper
266	100		
264	63.8	50.3	75.5

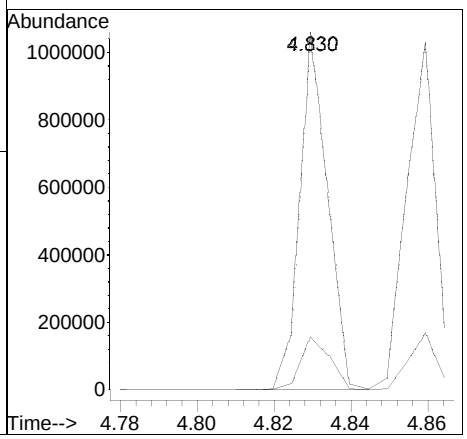


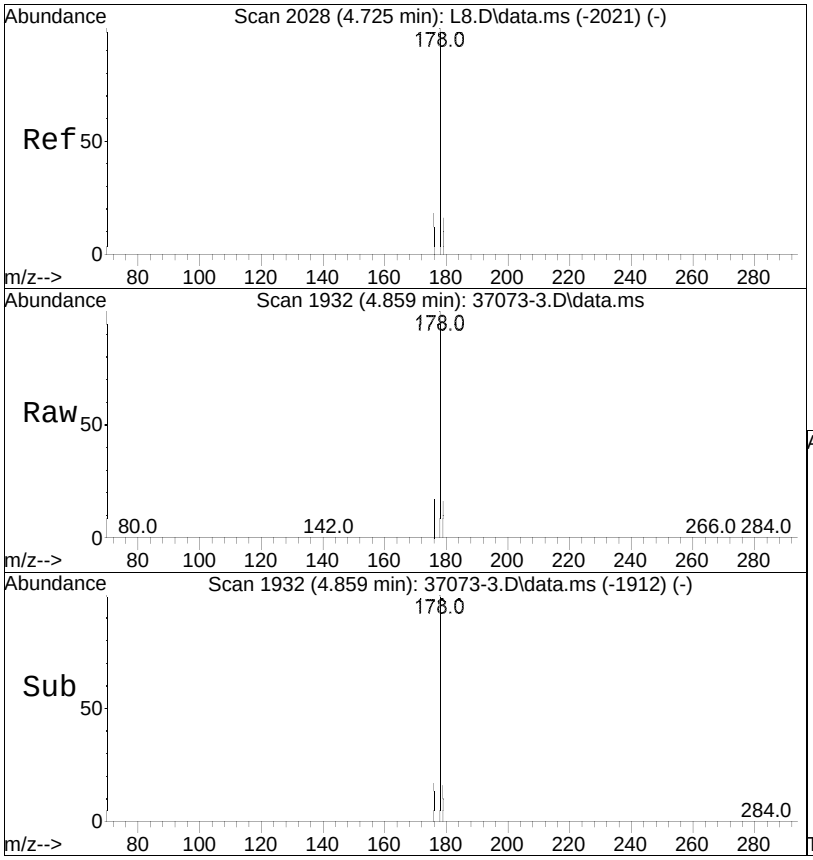


#27
Phenanthrene
Concen: 1439.97 ng/ml
RT: 4.830 min Scan# 1926
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:178 Resp: 532806

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	18.8

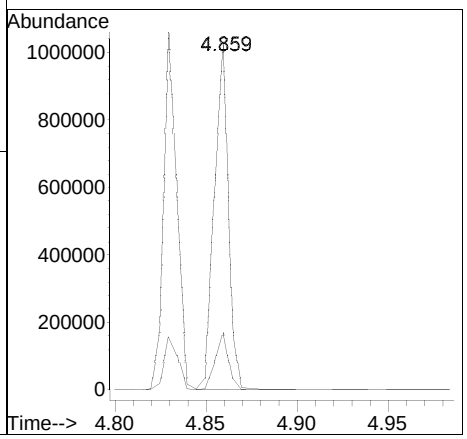


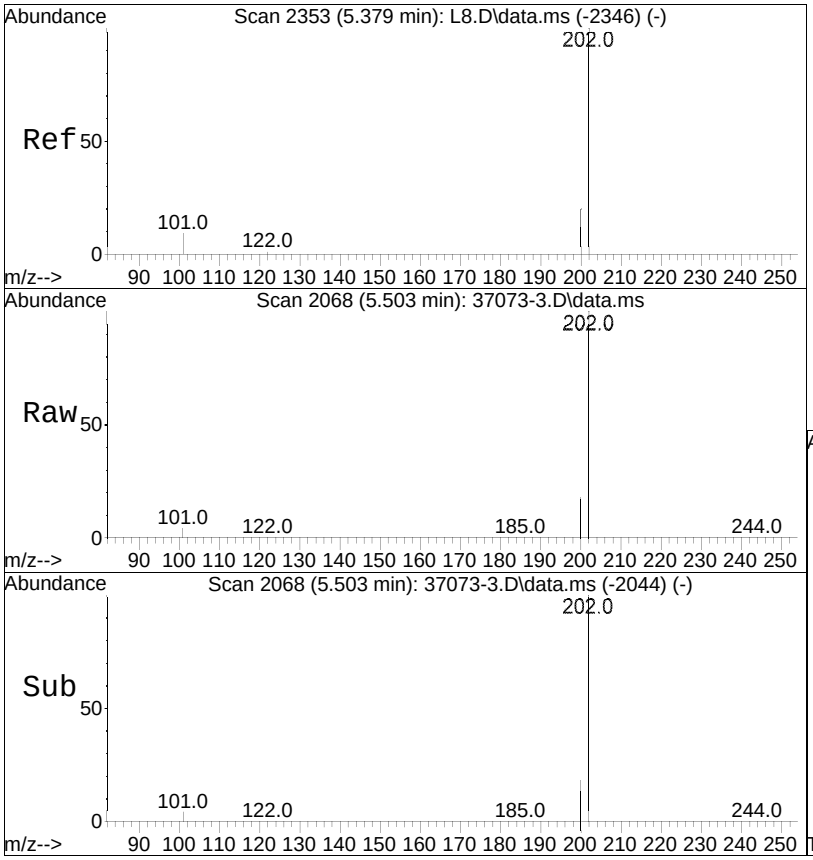


#28
Anthracene
Concen: 1506.01 ng/ml
RT: 4.859 min Scan# 1932
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:178 Resp: 553090

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

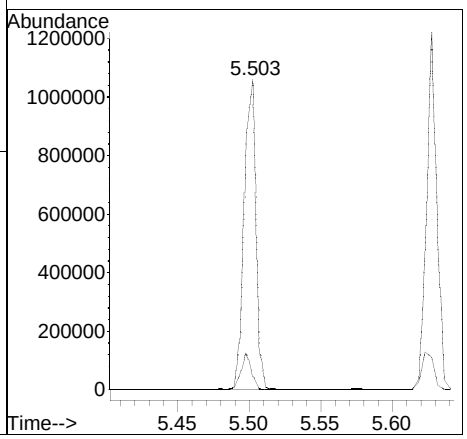


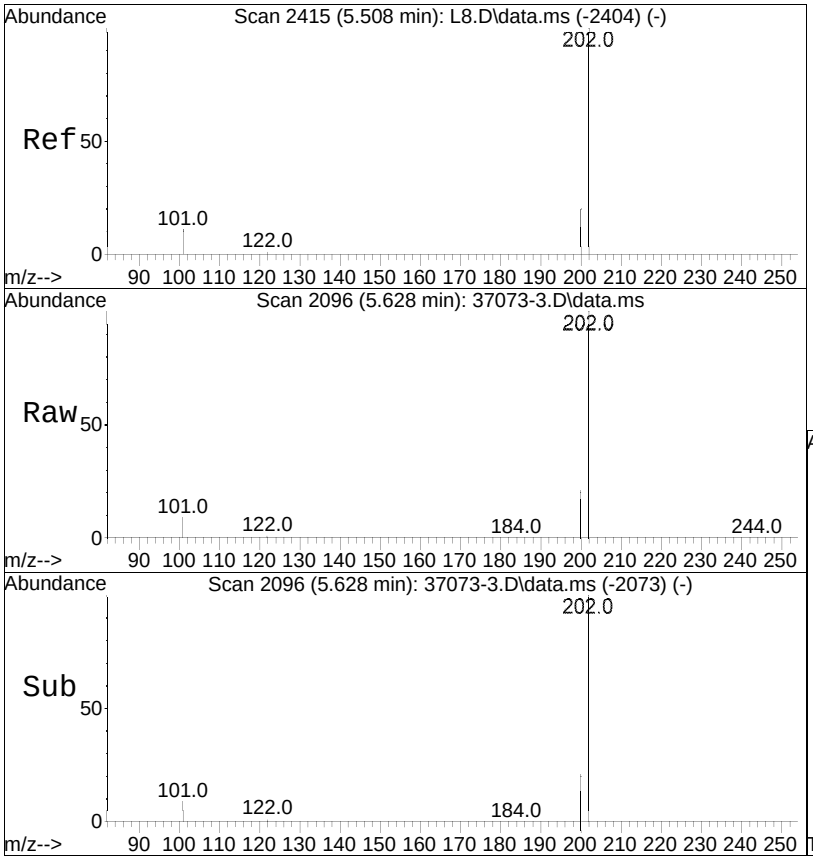


#29
Fluoranthene
Concen: 1455.39 ng/ml
RT: 5.503 min Scan# 2068
Delta R.T. 0.006 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:202 Resp: 613318

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.8	13.2

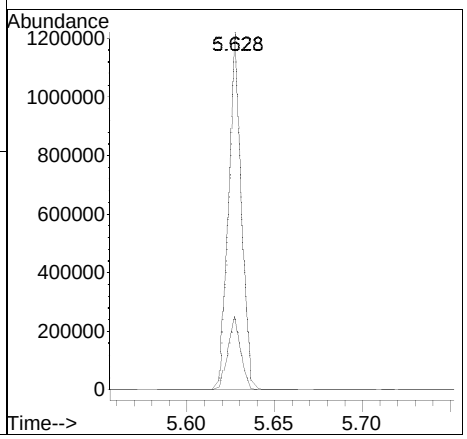


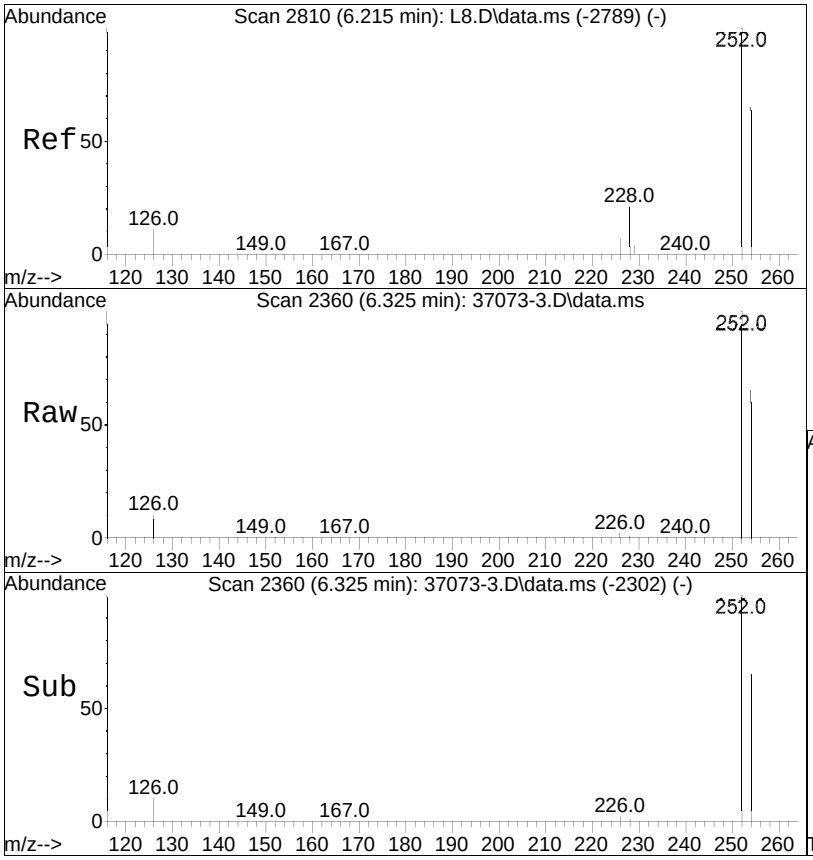


#30
Pyrene
Concen: 1388.60 ng/ml
RT: 5.628 min Scan# 2096
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:202 Resp: 605585

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.9	25.3

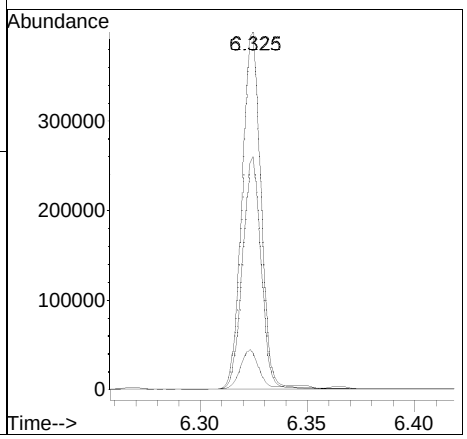


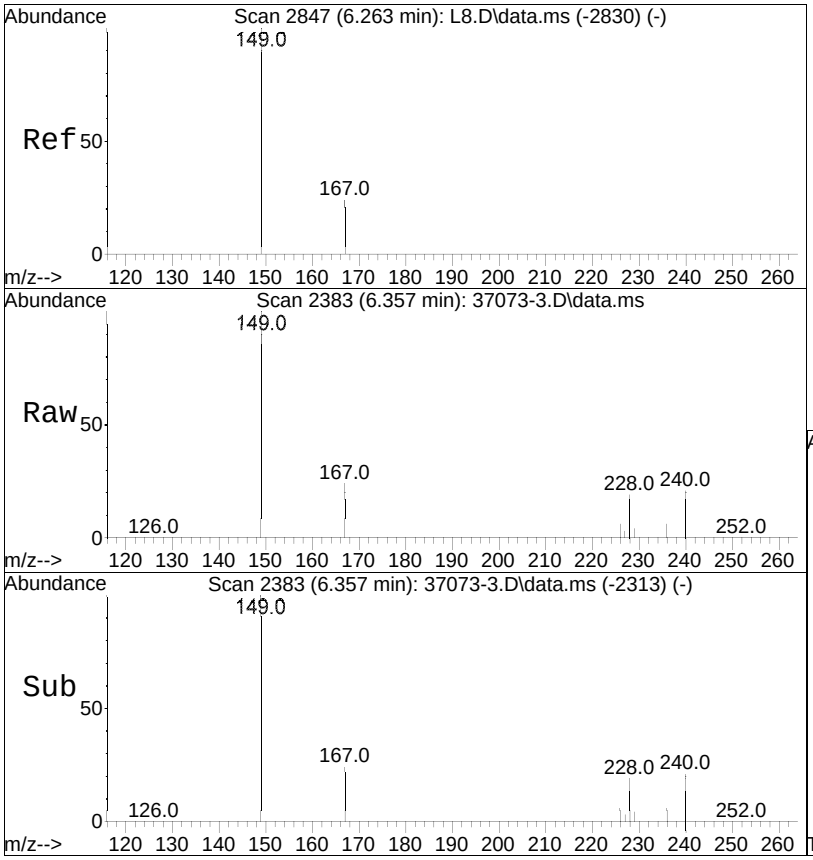


#35
3,3'-Dichlorobenzidine
Concen: 1779.04 ng/ml
RT: 6.325 min Scan# 2360
Delta R.T. 0.001 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:252 Resp: 238555

Ion	Ratio	Lower	Upper
252	100		
126	11.1	9.5	14.3
254	64.5	51.5	77.3

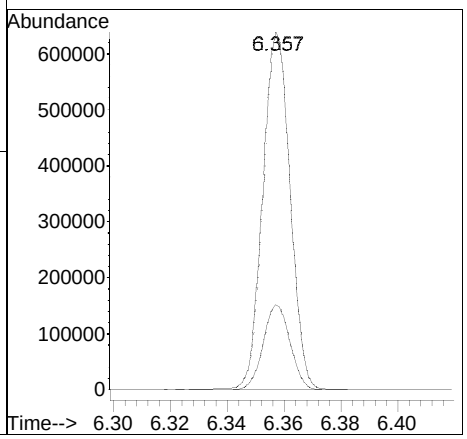


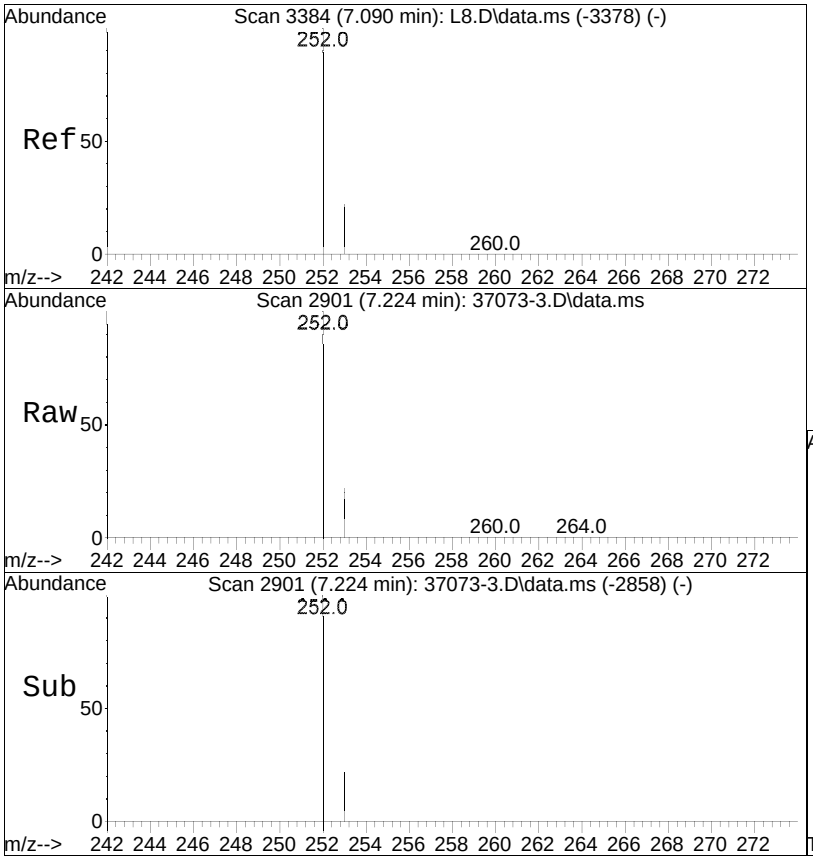


#37
Bis(2-ethylhexyl)phthalate
Concen: 1734.80 ng/ml
RT: 6.357 min Scan# 2383
Delta R.T. -0.001 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:149 Resp: 417948

Ion	Ratio	Lower	Upper
149	100		
167	23.5	18.6	27.8

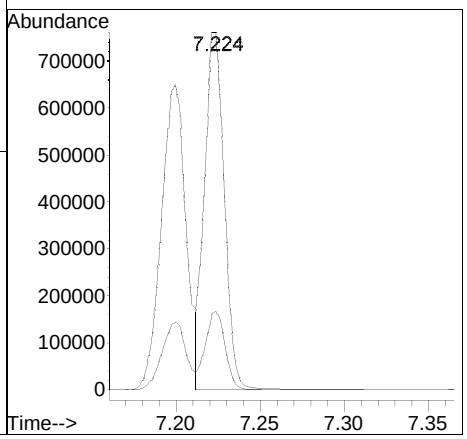


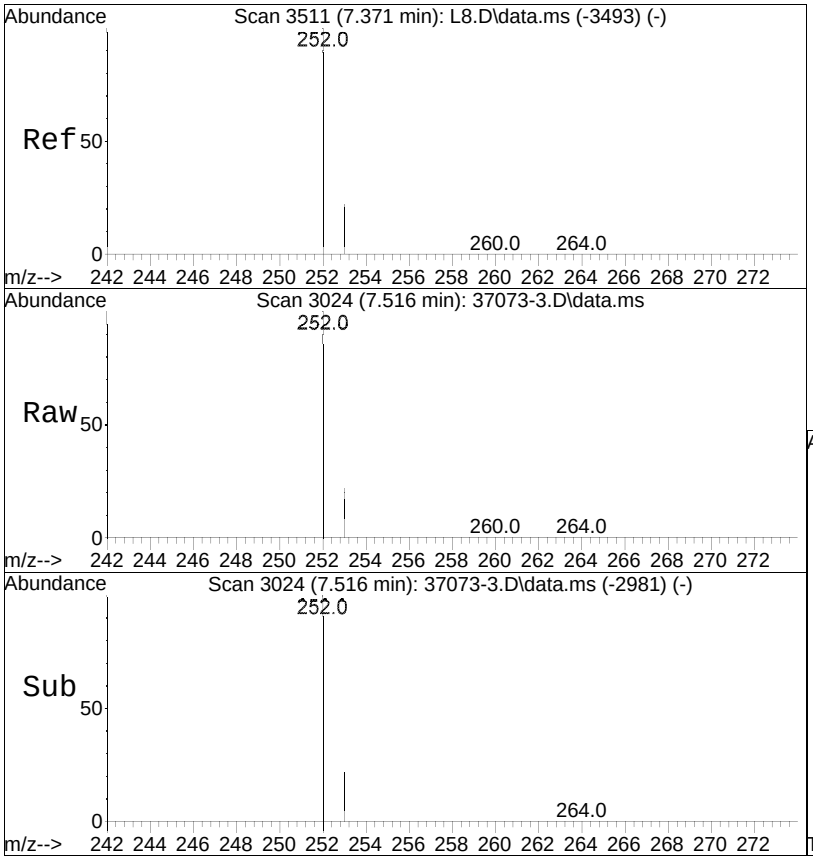


#40
Benzo[k]fluoranthene
Concen: 1600.66 ng/ml
RT: 7.224 min Scan# 2901
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:252 Resp: 614791

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4

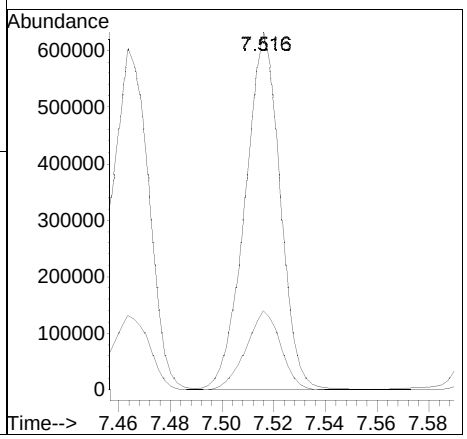


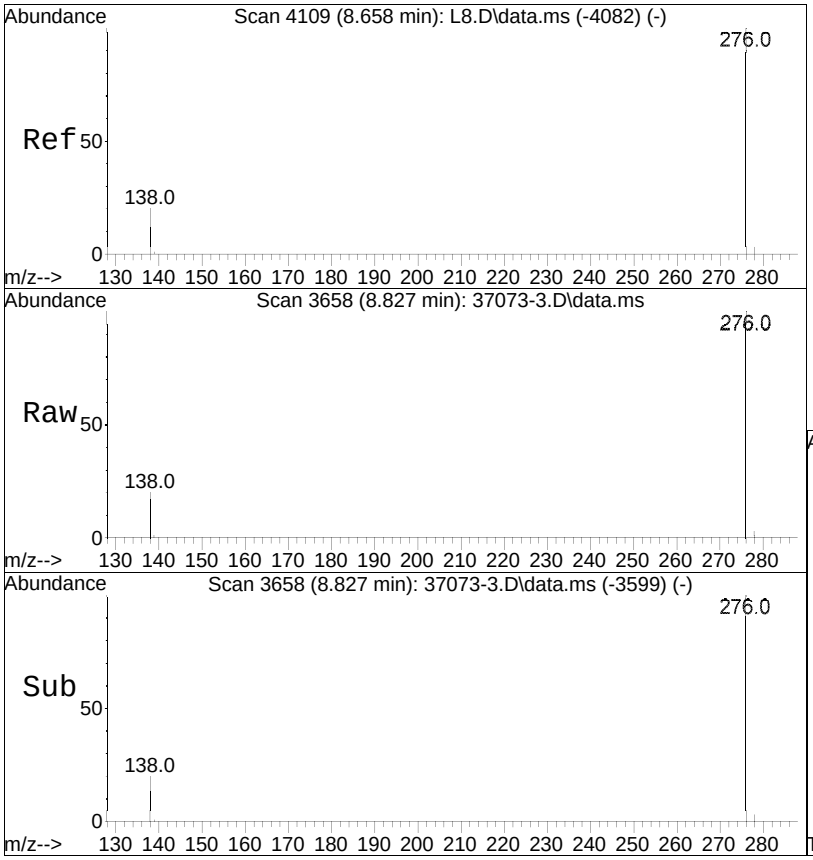


#41
Benzo[a]pyrene
Concen: 1762.89 ng/ml
RT: 7.516 min Scan# 3024
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:252 Resp: 592154

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

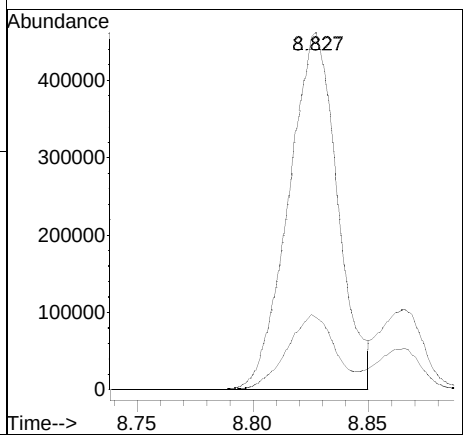


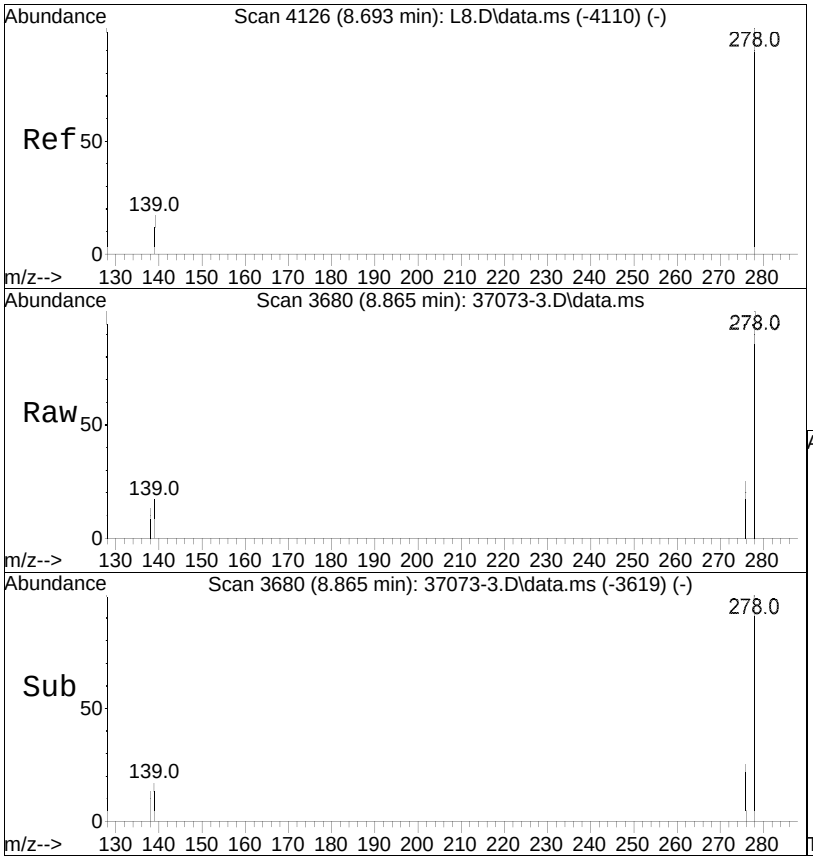


#42
Indeno[1,2,3-cd]pyrene
Concen: 2259.74 ng/ml
RT: 8.827 min Scan# 3658
Delta R.T. 0.002 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:276 Resp: 672844

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.0	25.4

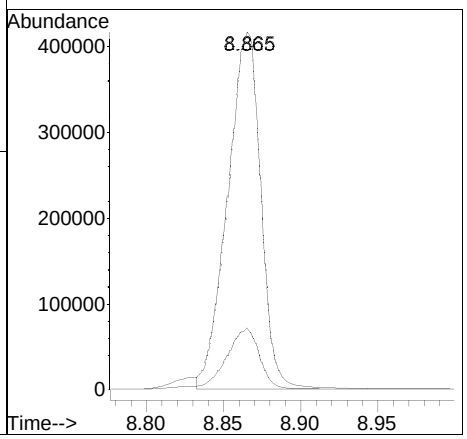


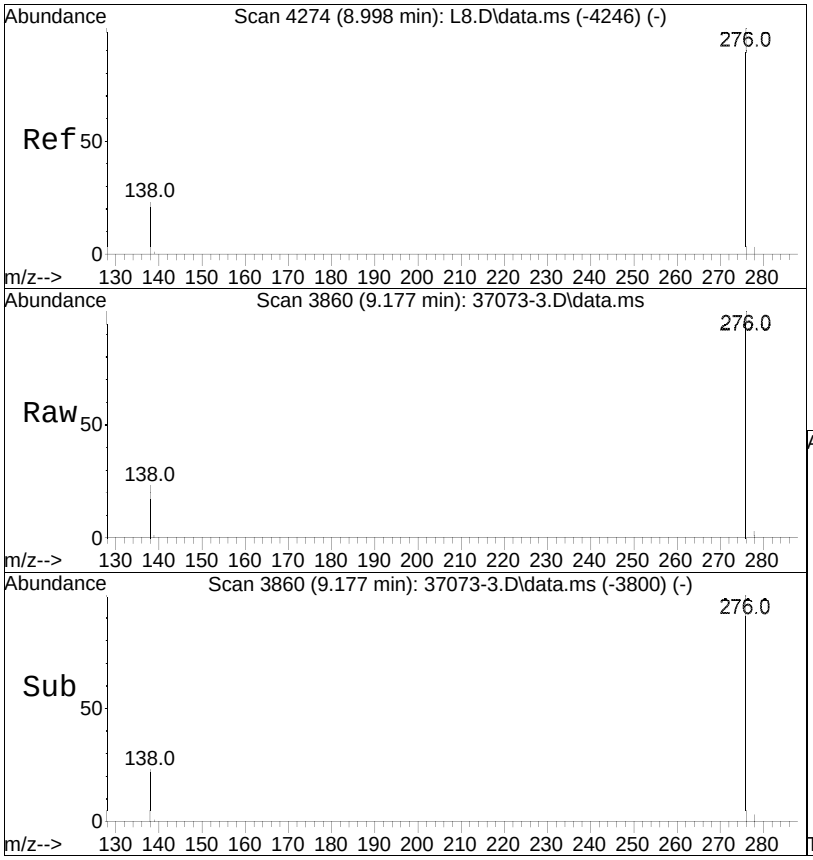


#43
Dibenzo[a,h]anthracene
Concen: 2166.36 ng/ml M6
RT: 8.865 min Scan# 3680
Delta R.T. 0.006 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:278 Resp: 622729

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.9	20.9

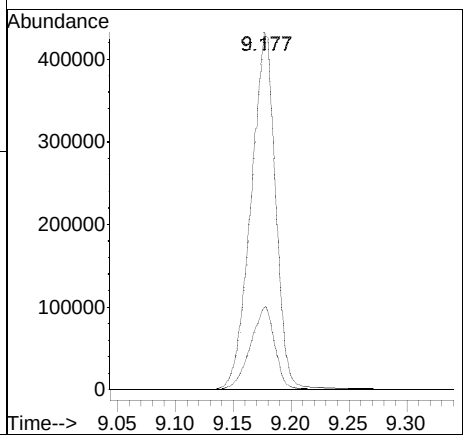




#44
Benzo[g,h,i]perylene
Concen: 1998.03 ng/ml
RT: 9.177 min Scan# 3860
Delta R.T. 0.004 min
Lab File: 37073-3.D
Acq: 06 Mar 2025 12:39 pm

Tgt Ion:276 Resp: 628626

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.7	28.1

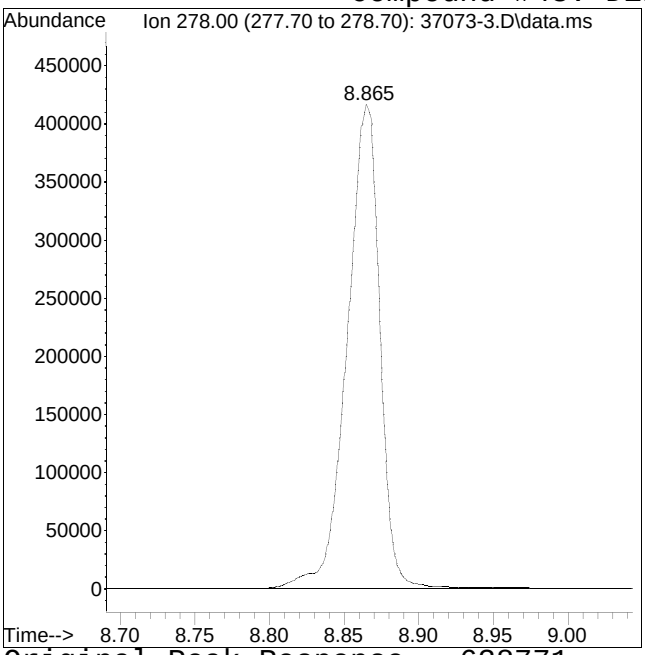


Manual Integration Report

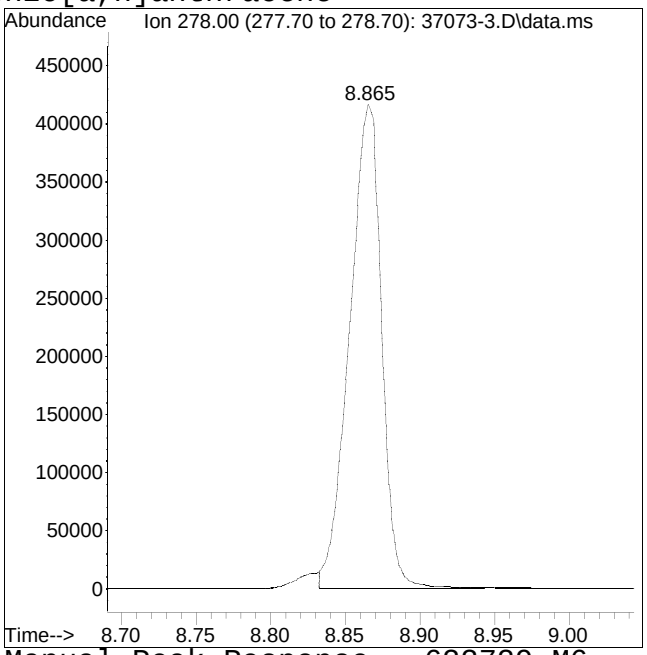
Data Path : I:\8270SIM\SV118\250306aRVQ
Data File : 37073-3.D
Date Inj'd : 3/6/2025 12:39 pm
Sample : WG2037073-3,32,,RV,kmh

Method : SIM-RVT_250203sv118.M
Operator : SV118:jjw
Instrument : SV118
Quant Date : 3/6/2025 12:52 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 638771



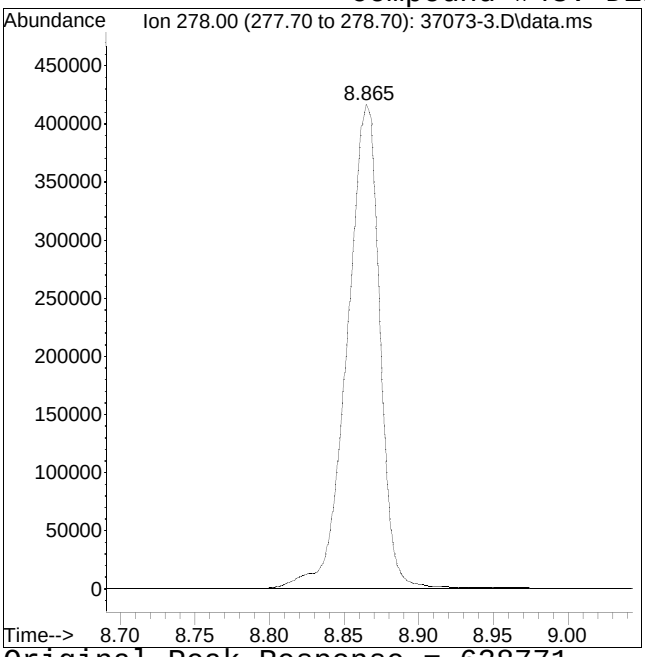
Manual Peak Response = 622729 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

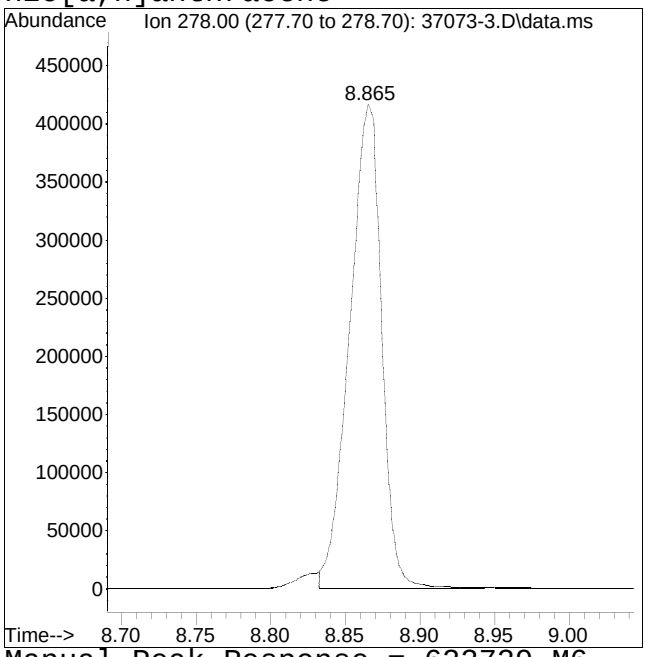
Manual Integration Report

Data Path : I:\8270SIM\SV118\250306aRVQMethod : SIM-RVT_250203sv118.M
Data File : 37073-3.D Operator : SV118:jjw
Date Inj'd : 3/6/2025 12:39 pm Instrument : SV118
Sample : WG2037073-3,32,,RV,kmh Quant Date : 3/6/2025 12:52 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 638771



Manual Peak Response = 622729 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-3.D
Acq On : 10 Mar 2025 03:16 pm
Operator : sv119:dv
Sample : WG2038541-3,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 10 16:03:40 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	216421	4000.000	ng/ml	0.00
Standard Area 1 = 260626			Recovery = 83.04%			
9) Naphthalene-d8	2.859	136	887048	4000.000	ng/ml	0.00
Standard Area 1 = 1055214			Recovery = 84.06%			
18) Acenaphthene-d10	3.827	164	535383	4000.000	ng/ml	0.00
Standard Area 1 = 633060			Recovery = 84.57%			
23) Phenanthrene-d10	4.661	188	1150430	4000.000	ng/ml	0.00
Standard Area 1 = 1362342			Recovery = 84.45%			
33) Chrysene-d12	6.199	240	936940	4000.000	ng/ml	0.00
Standard Area 1 = 1279573			Recovery = 73.22%			
38) Perylene-d12	7.373	264	916063	4000.000	ng/ml	0.00
Standard Area 1 = 1206831			Recovery = 75.91%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.640	112	89364	1541.092	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.05%			
4) Phenol-d6	2.031	99	88070	1216.852	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 60.84%			
8) Nitrobenzene-d5	2.483	82	64086	913.120	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.31%			
14) 2-Fluorobiphenyl	3.451	172	166876	771.495	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.15%			
22) 2,4,6-Tribromophenol	4.274	330	47623	2038.068	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 101.90%			
32) 4-Terphenyl-d14	5.572	244	216660	759.159	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.92%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	2.071	93	112607	1685.682	ng/ml	90
7) Hexachloroethane	2.456	117	37201	1326.170	ng/ml	96
10) Naphthalene	2.869	128	356026	1439.086	ng/ml	100
11) Hexachlorobutadiene	2.938	225	47557	1092.320	ng/ml	100
12) 2-Methylnaphthalene	3.245	142	232243	1343.343	ng/ml	98
15) 2-Chloronaphthalene	3.515	162	265624	1487.640	ng/ml#	86
17) Acenaphthylene	3.747	152	473433	1712.139	ng/ml	99
19) Acenaphthene	3.845	153	290265	1625.597	ng/ml	93
21) Fluorene	4.133	166	360135	1755.488	ng/ml	97
25) Hexachlorobenzene	4.450	284	107127	1579.764	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-3.D
Acq On : 10 Mar 2025 03:16 pm
Operator : sv119:dv
Sample : WG2038541-3,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 10 16:03:40 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250310RVT\ccv0310.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	4.567	266	60235	1692.366	ng/ml	100
27) Phenanthrene	4.673	178	555606	1651.779	ng/ml	99
28) Anthracene	4.701	178	583421	1729.958	ng/ml	100
29) Fluoranthene	5.352	202	676632	1607.848	ng/ml	98
30) Pyrene	5.480	202	686514	1580.458	ng/ml	100
34) Benzo[a]anthracene	6.192	228	580658	1755.414	ng/ml	99
36) Chrysene	6.215	228	533172	1652.748	ng/ml	100
39) Benzo[b]fluoranthene	7.009	252	526950	1735.674	ng/ml	100
40) Benzo[k]fluoranthene	7.033	252	535160	1787.498	ng/ml	97
41) Benzo[a]pyrene	7.311	252	490098	1902.463	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.565	276	542163	2173.869	ng/ml	97
43) Dibenzo[a,h]anthracene	8.598	278	494137M6	2135.760	ng/ml	
44) Benzo[g,h,i]perylene	8.902	276	525565	2214.080	ng/ml	97

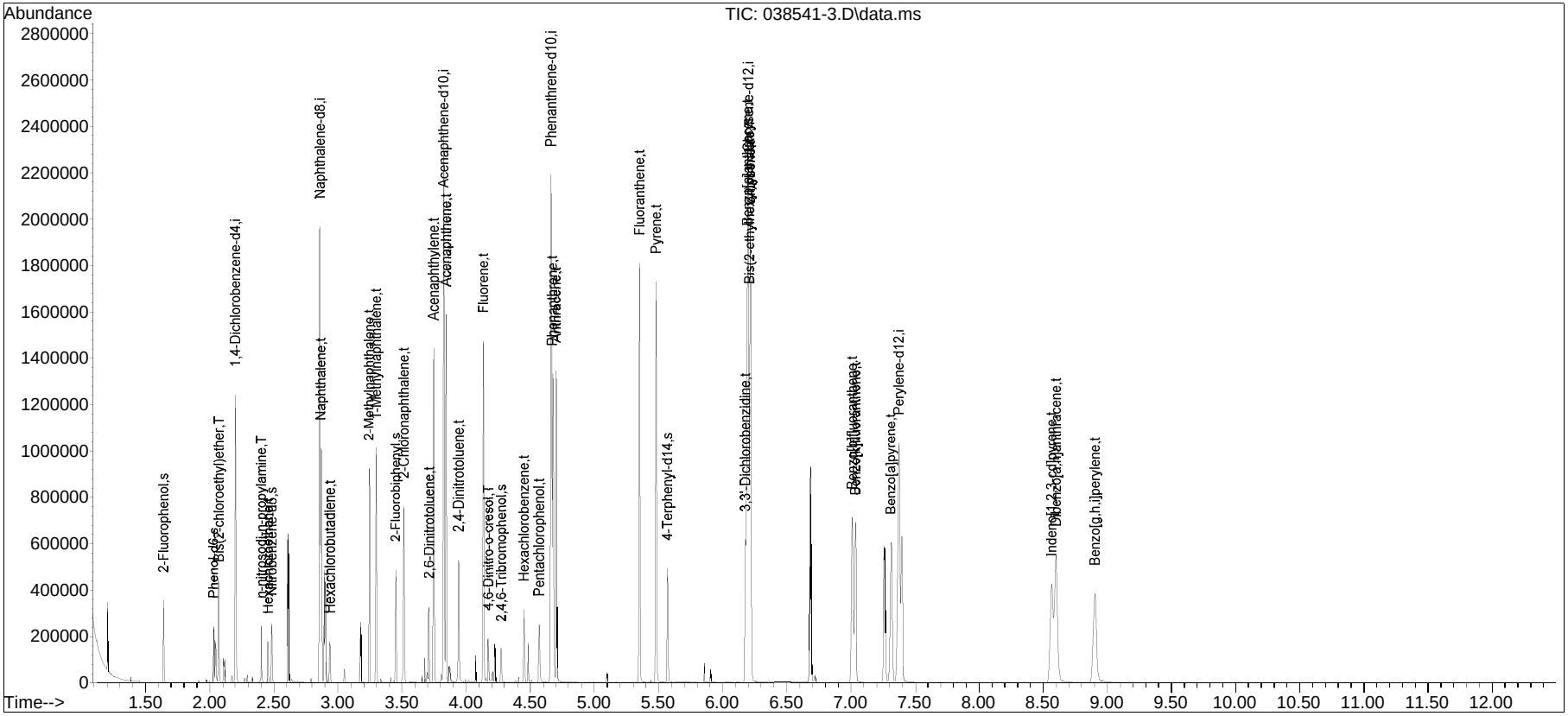
(#) = qualifier out of range (m) = manual integration (+) = signals summed

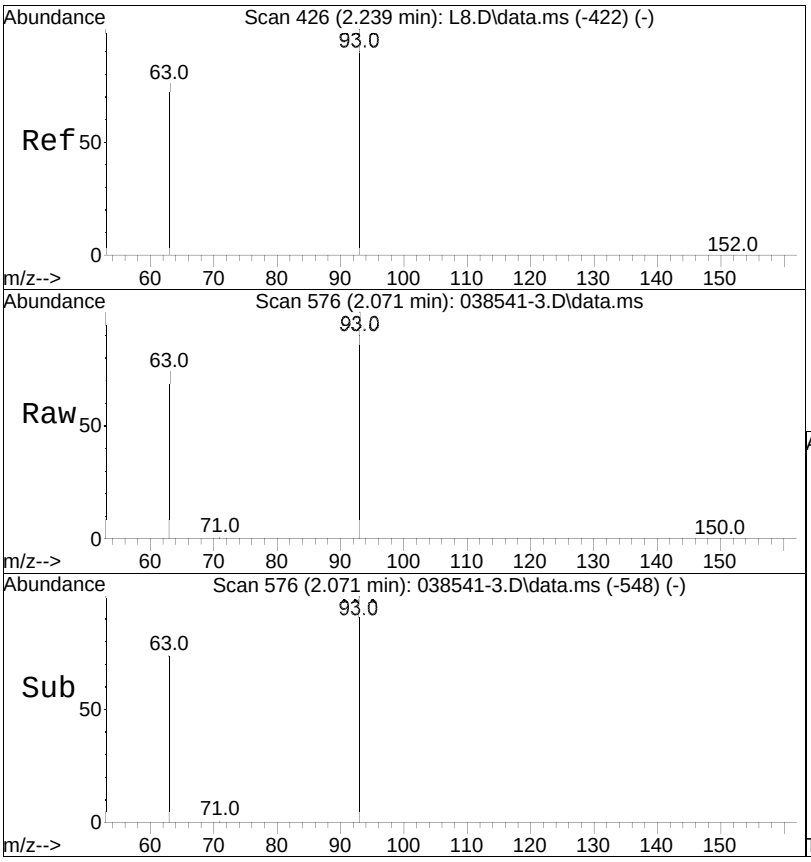
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250310RVT\
Data File : 038541-3.D
Acq On : 10 Mar 2025 03:16 pm
Operator : sv119:dv
Sample : WG2038541-3,32,,jjw,442
Misc : WG2038430,WG2038541,ical21826
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 10 16:03:40 2025
Quant Method : I:\8270sim\sv119\250310RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Mar 10 06:52:04 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0310.D•

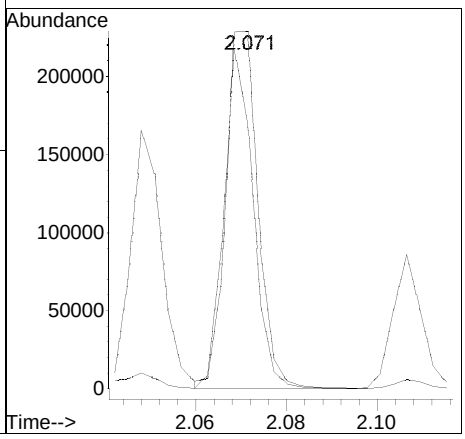


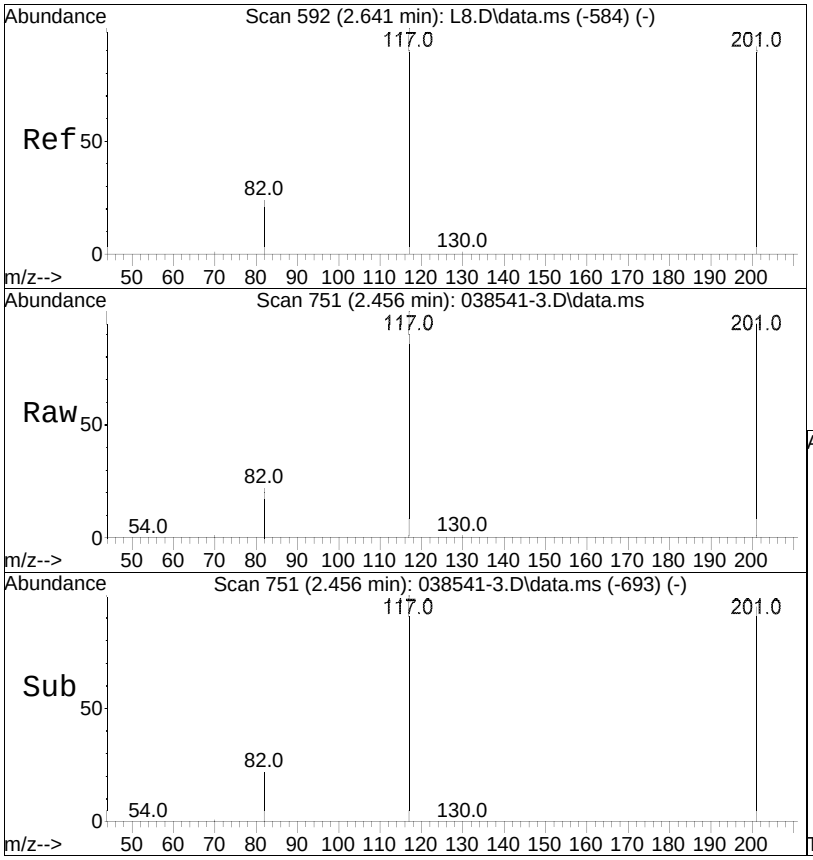


#5
Bis(2-chloroethyl)ether
Concen: 1685.68 ng/ml
RT: 2.071 min Scan# 576
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion: 93 Resp: 112607

Ion	Ratio	Lower	Upper
93	100		
63	85.7	61.7	92.5

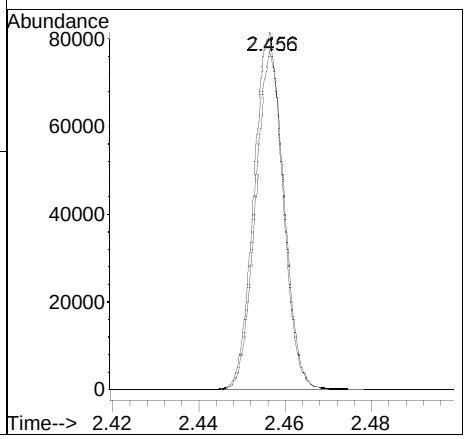


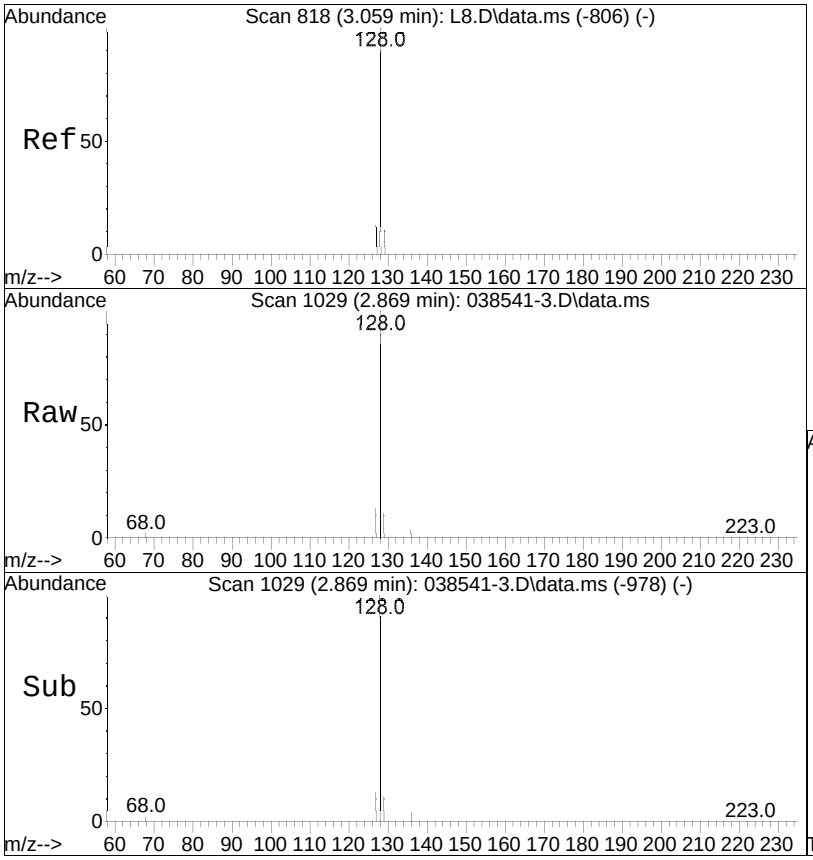


#7
Hexachloroethane
Concen: 1326.17 ng/ml
RT: 2.456 min Scan# 751
Delta R.T. 0.002 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:117 Resp: 37201

Ion	Ratio	Lower	Upper
117	100		
201	94.8	79.3	118.9

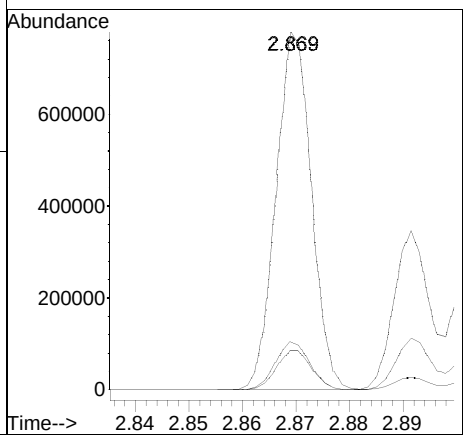


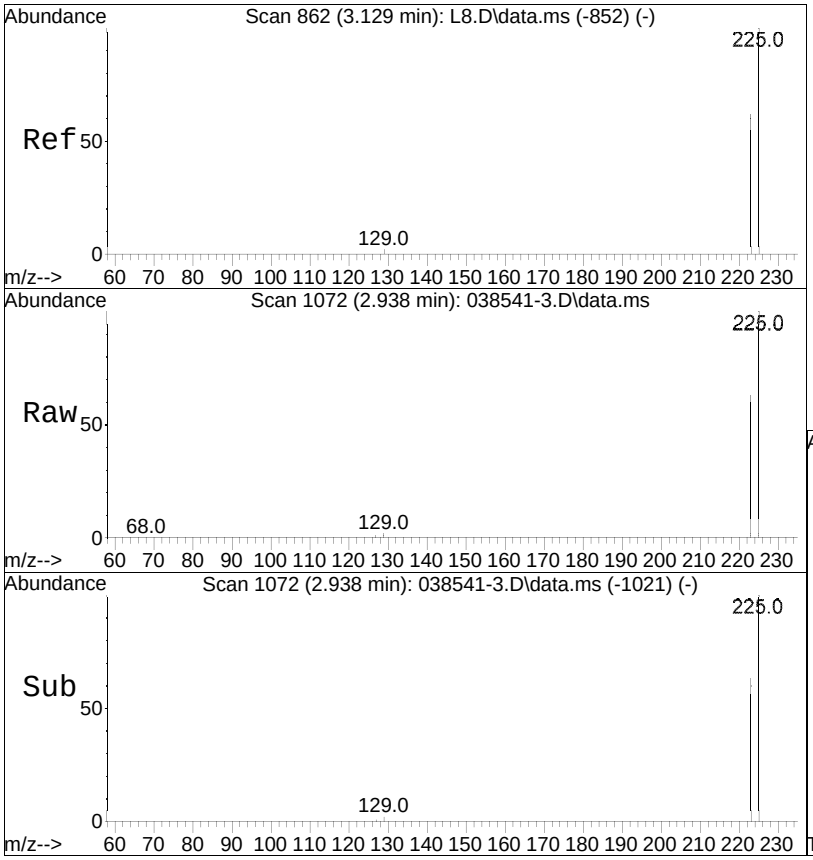


#10
Naphthalene
Concen: 1439.09 ng/ml
RT: 2.869 min Scan# 1029
Delta R.T. 0.002 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:128 Resp: 356026

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.5	15.7

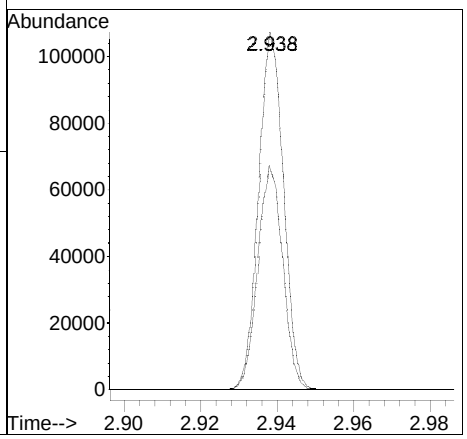


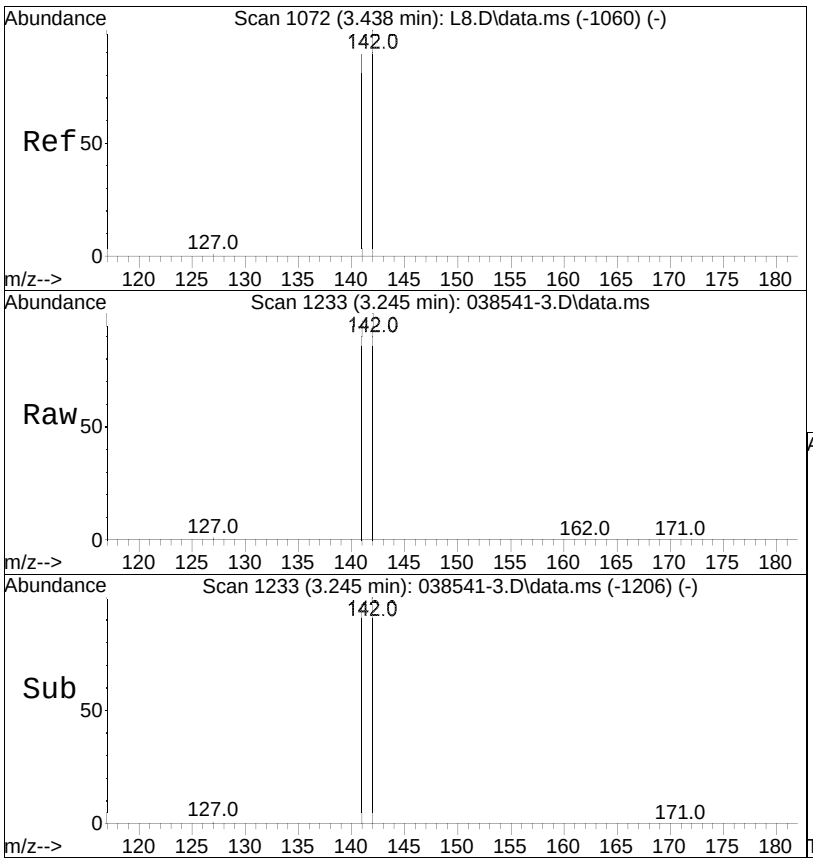


#11
Hexachlorobutadiene
Concen: 1092.32 ng/ml
RT: 2.938 min Scan# 1072
Delta R.T. 0.002 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:225 Resp: 47557

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6

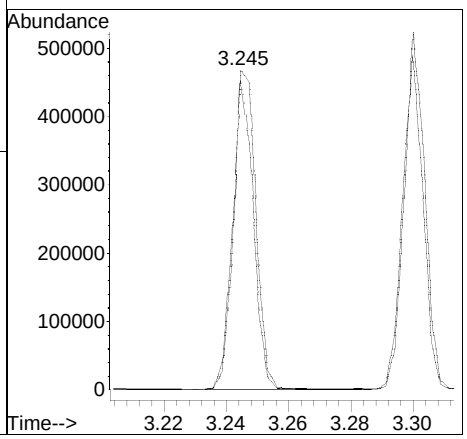


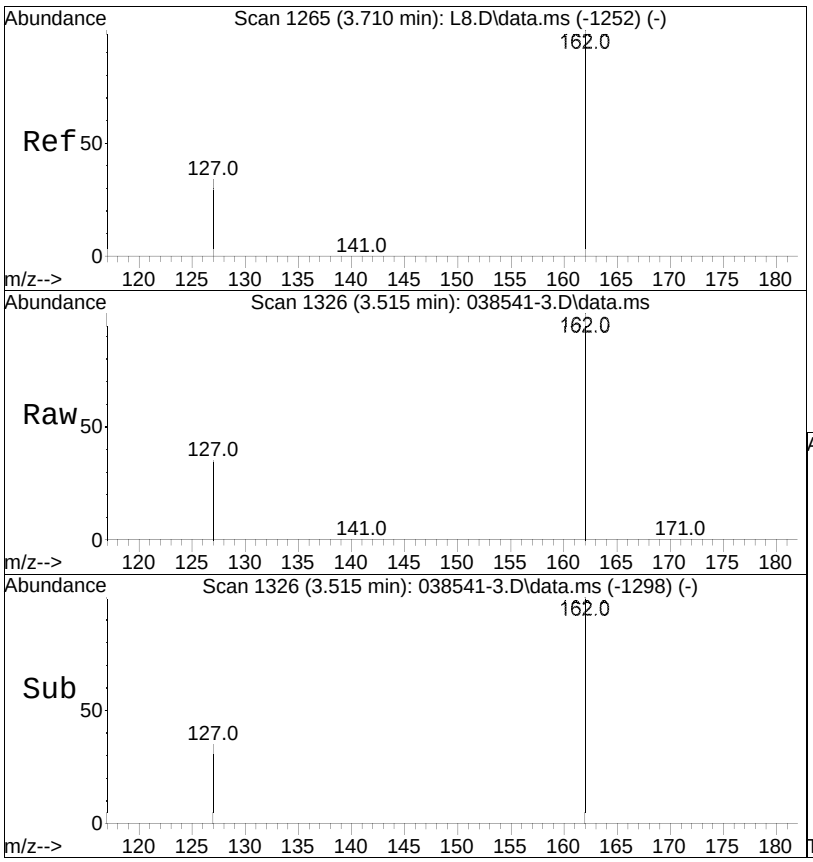


#12
2-Methylnaphthalene
Concen: 1343.34 ng/ml
RT: 3.245 min Scan# 1233
Delta R.T. -0.000 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:142 Resp: 232243

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9

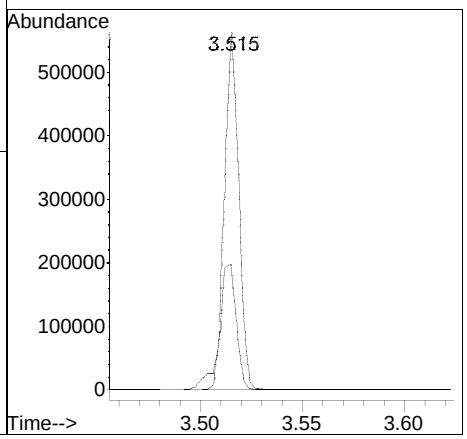


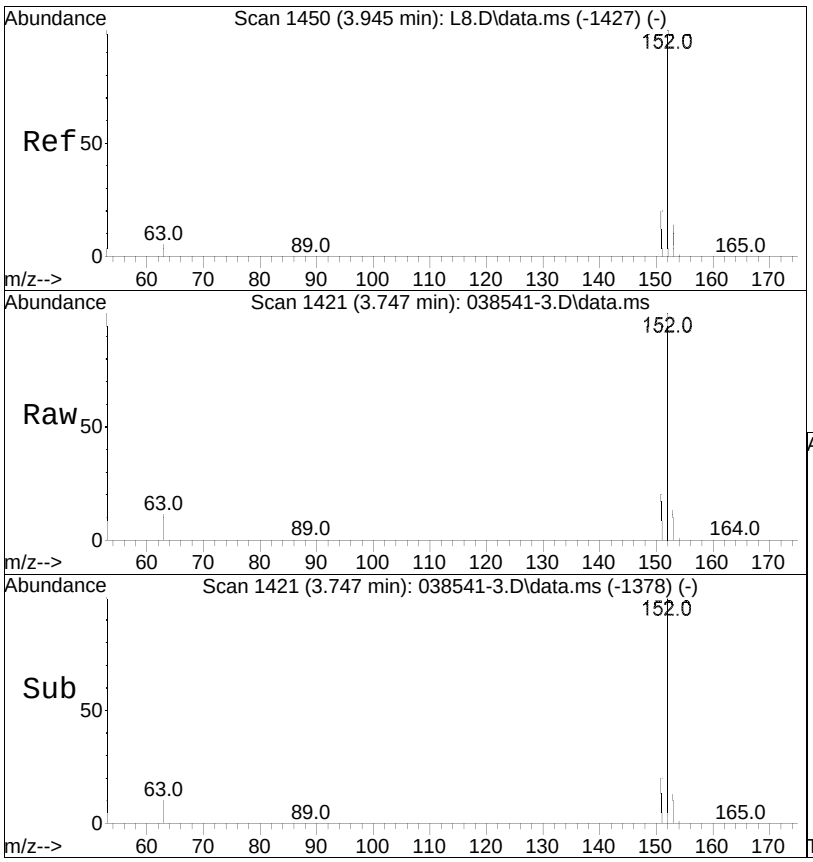


#15
2-Chloronaphthalene
Concen: 1487.64 ng/ml
RT: 3.515 min Scan# 1326
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:162 Resp: 265624

Ion	Ratio	Lower	Upper
162	100		
127	42.4	27.4	41.0#

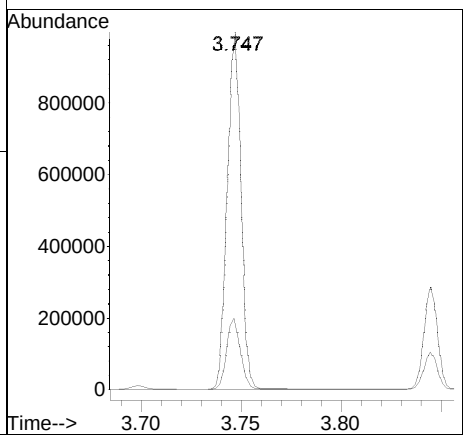


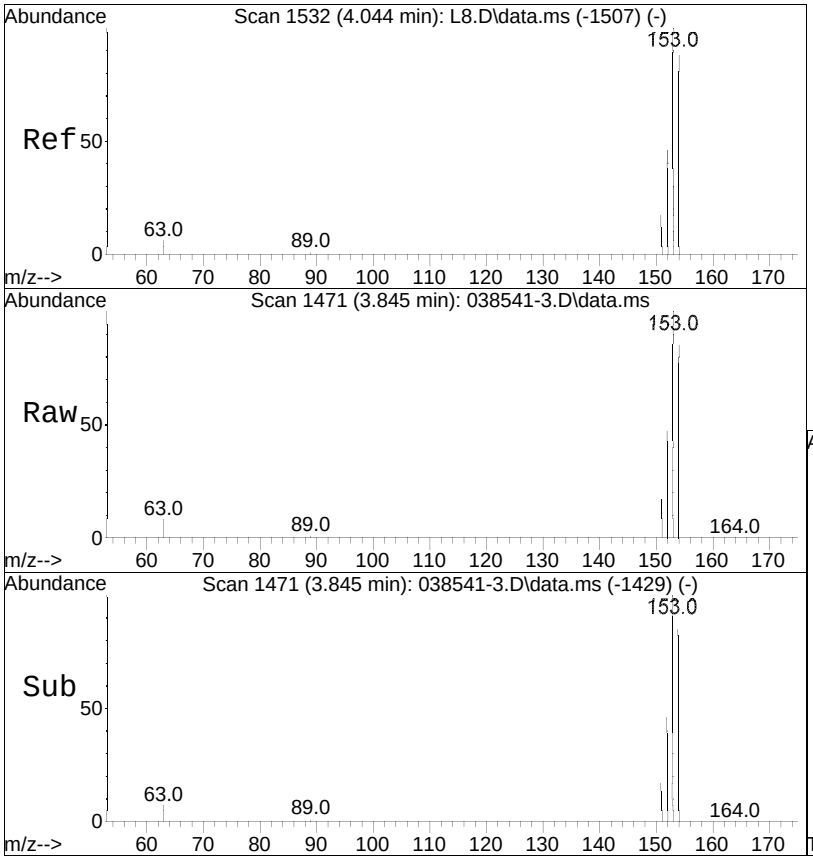


#17
Acenaphthylene
Concen: 1712.14 ng/ml
RT: 3.747 min Scan# 1421
Delta R.T. 0.004 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:152 Resp: 473433

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9

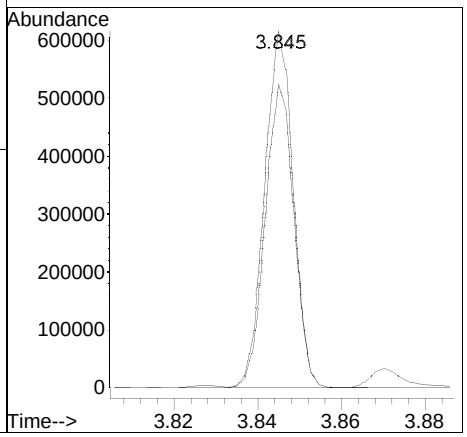


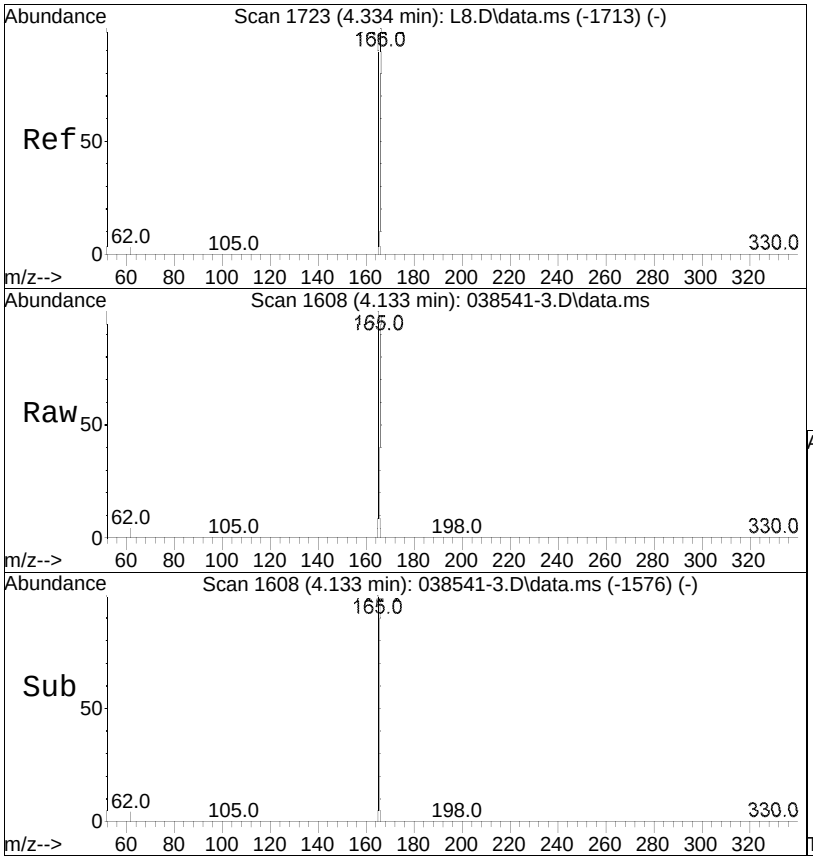


#19
Acenaphthene
Concen: 1625.60 ng/ml
RT: 3.845 min Scan# 1471
Delta R.T. 0.002 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:153 Resp: 290265

Ion	Ratio	Lower	Upper
153	100		
154	85.2	73.1	109.7

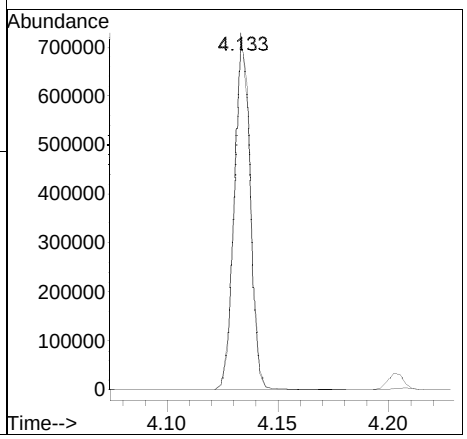


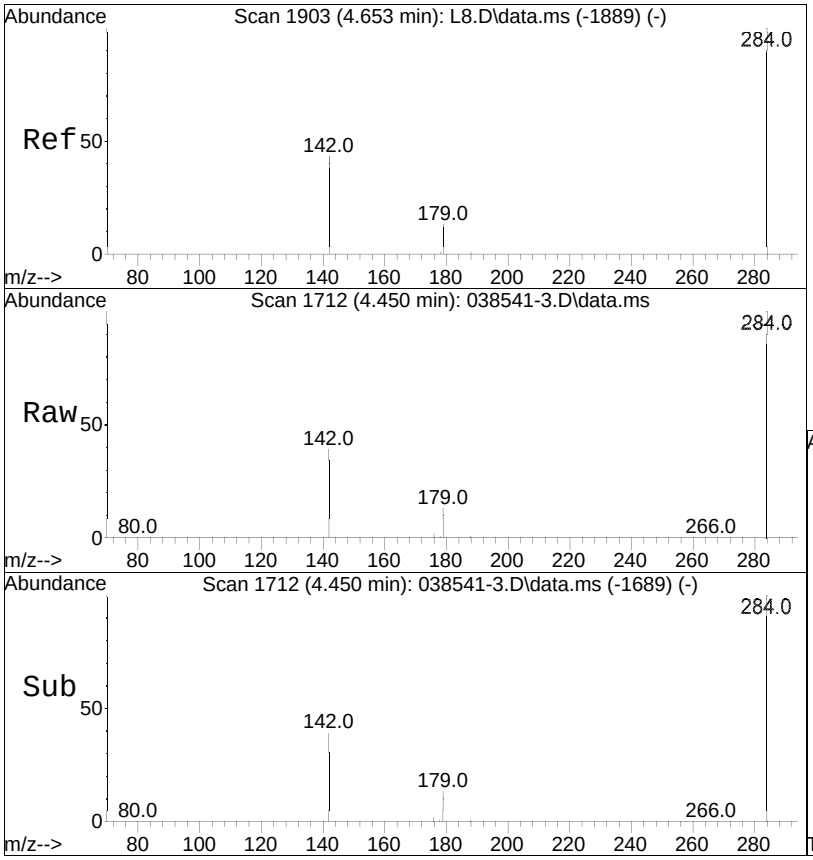


#21
Fluorene
Concen: 1755.49 ng/ml
RT: 4.133 min Scan# 1608
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:166 Resp: 360135

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.8	116.8

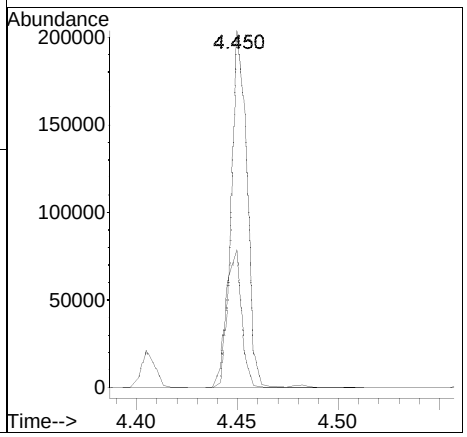


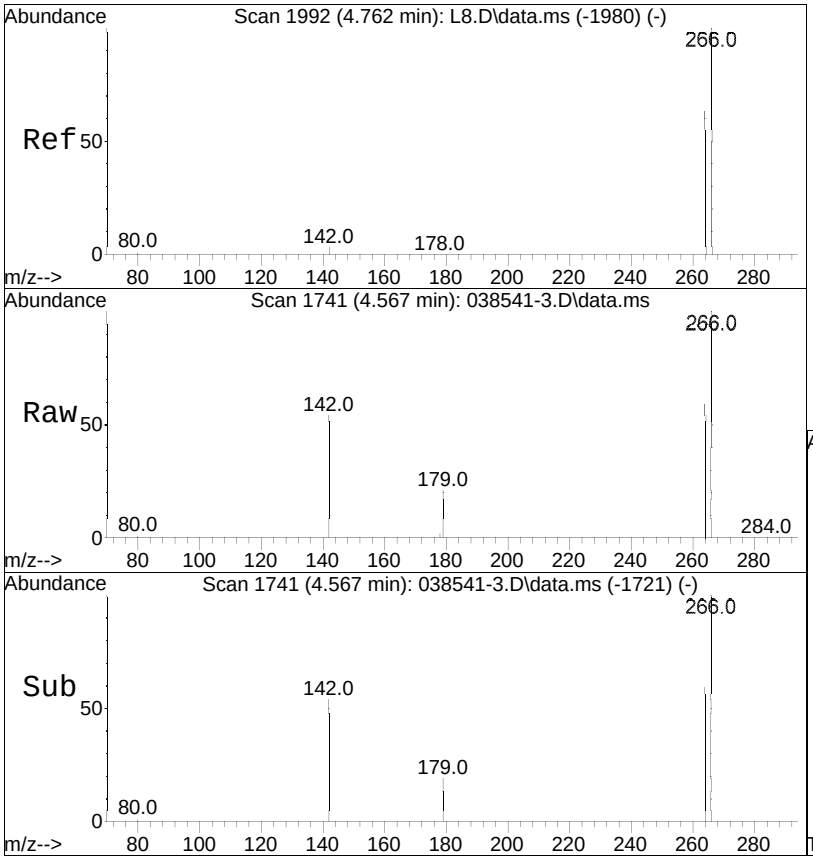


#25
Hexachlorobenzene
Concen: 1579.76 ng/ml
RT: 4.450 min Scan# 1712
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:284 Resp: 107127

Ion	Ratio	Lower	Upper
284	100		
142	39.1	33.8	50.6

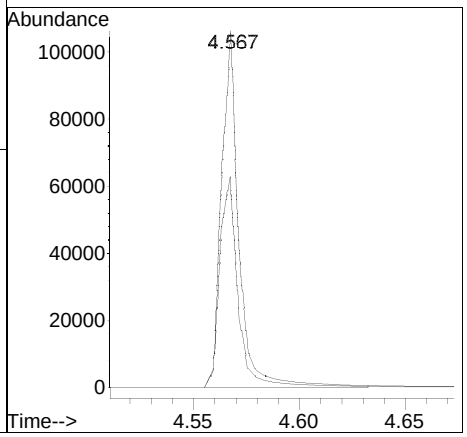


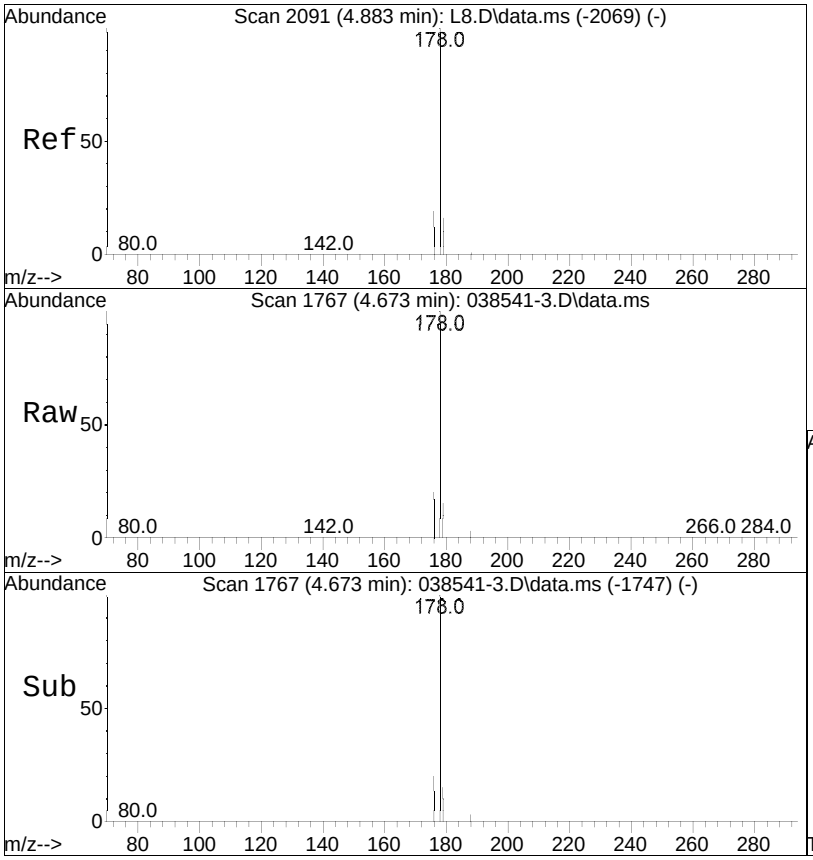


#26
Pentachlorophenol
Concen: 1692.37 ng/ml
RT: 4.567 min Scan# 1741
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:266 Resp: 60235

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.8	76.2

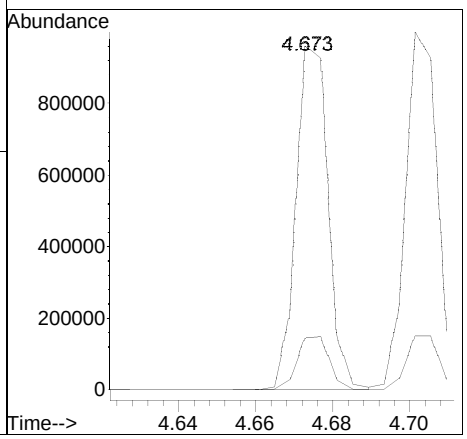


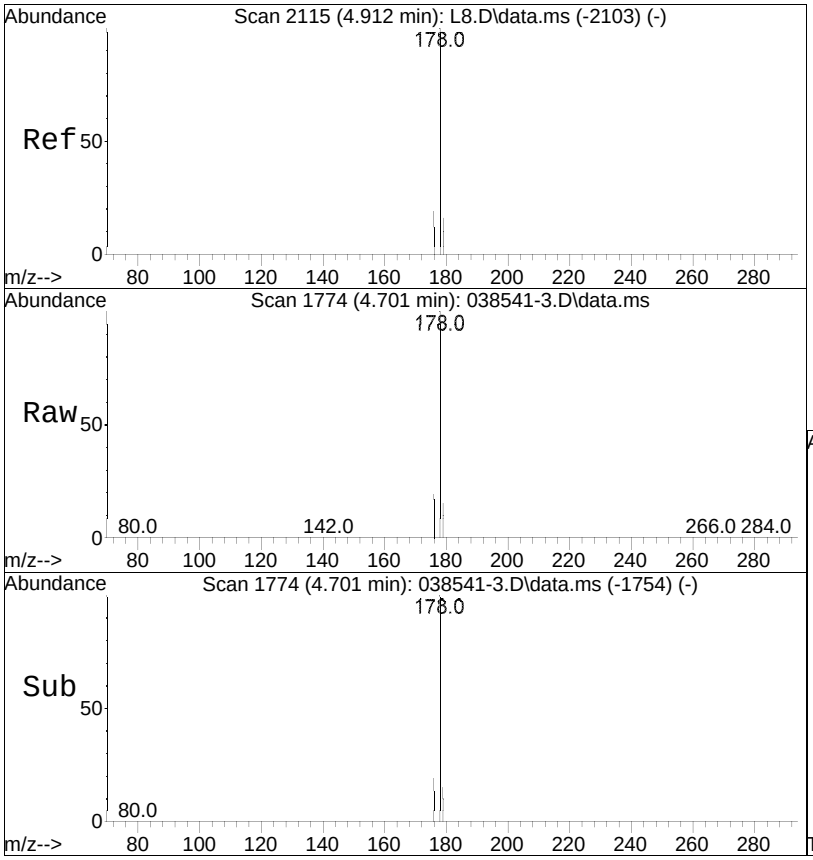


#27
Phenanthrene
Concen: 1651.78 ng/ml
RT: 4.673 min Scan# 1767
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:178 Resp: 555606

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2

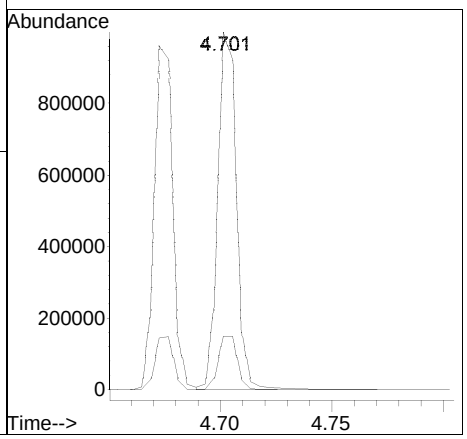


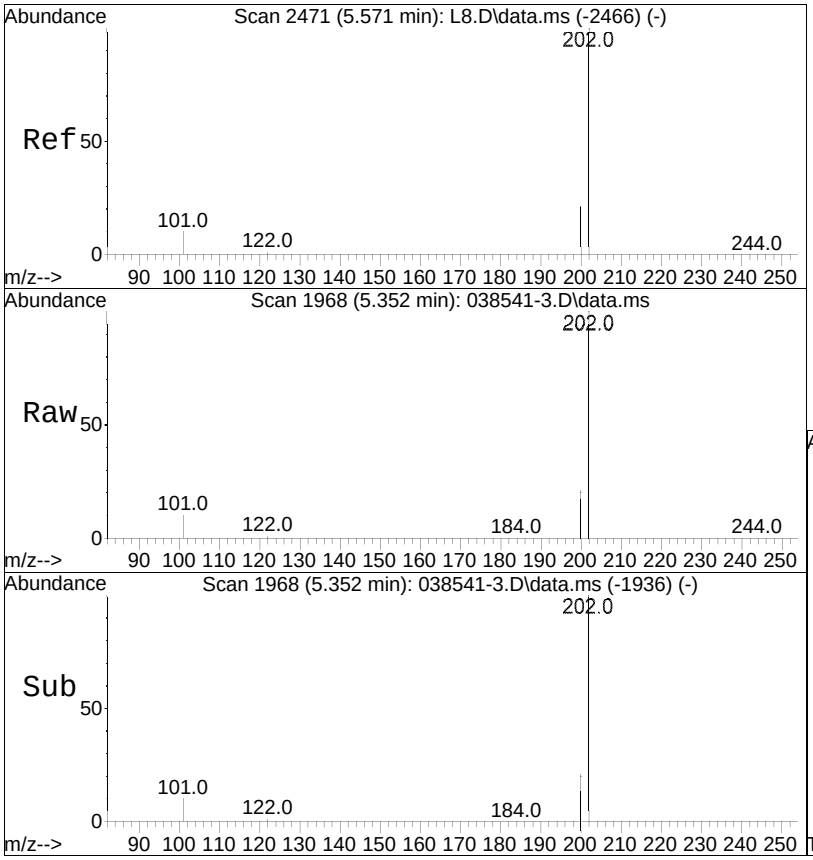


#28
Anthracene
Concen: 1729.96 ng/ml
RT: 4.701 min Scan# 1774
Delta R.T. 0.003 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:178 Resp: 583421

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

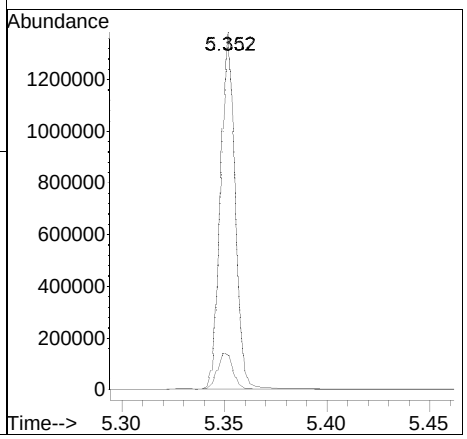


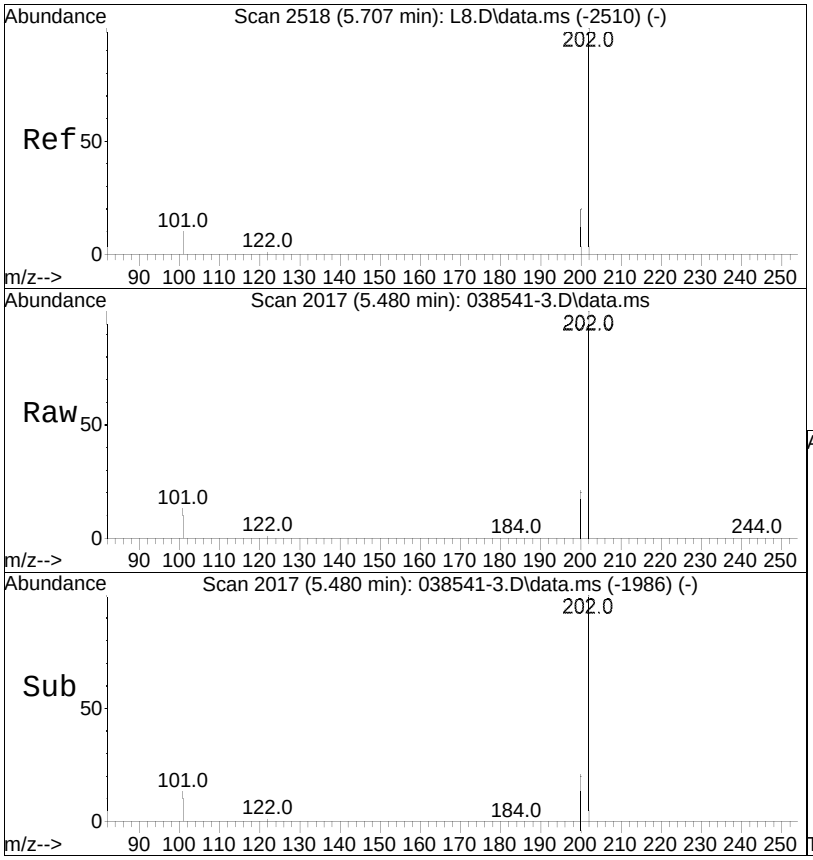


#29
Fluoranthene
Concen: 1607.85 ng/ml
RT: 5.352 min Scan# 1968
Delta R.T. 0.004 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:202 Resp: 676632

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.2	12.2

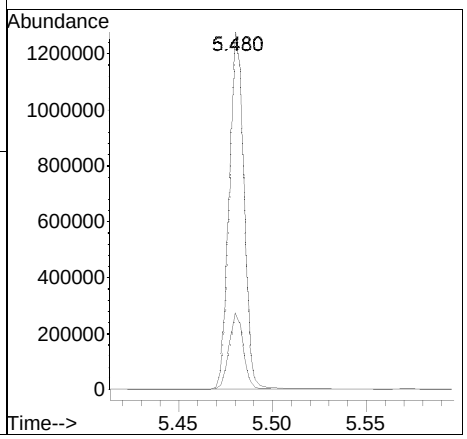


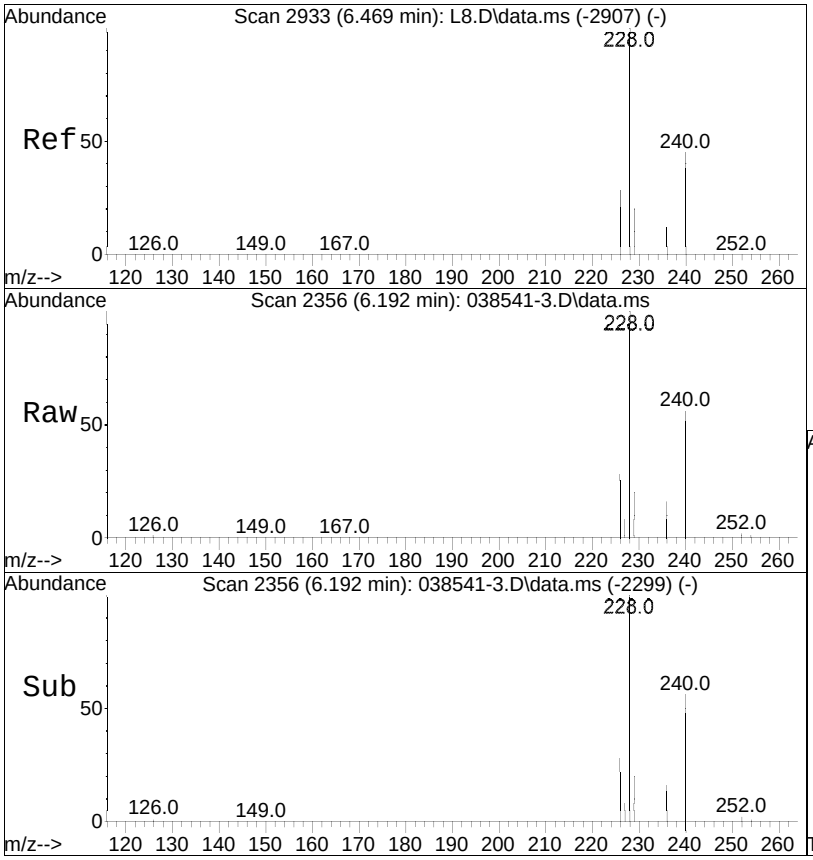


#30
Pyrene
Concen: 1580.46 ng/ml
RT: 5.480 min Scan# 2017
Delta R.T. 0.001 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:202 Resp: 686514

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3

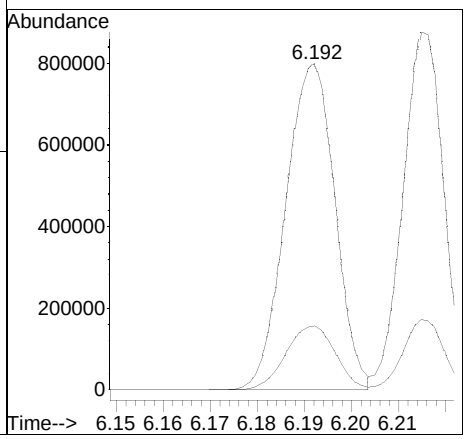


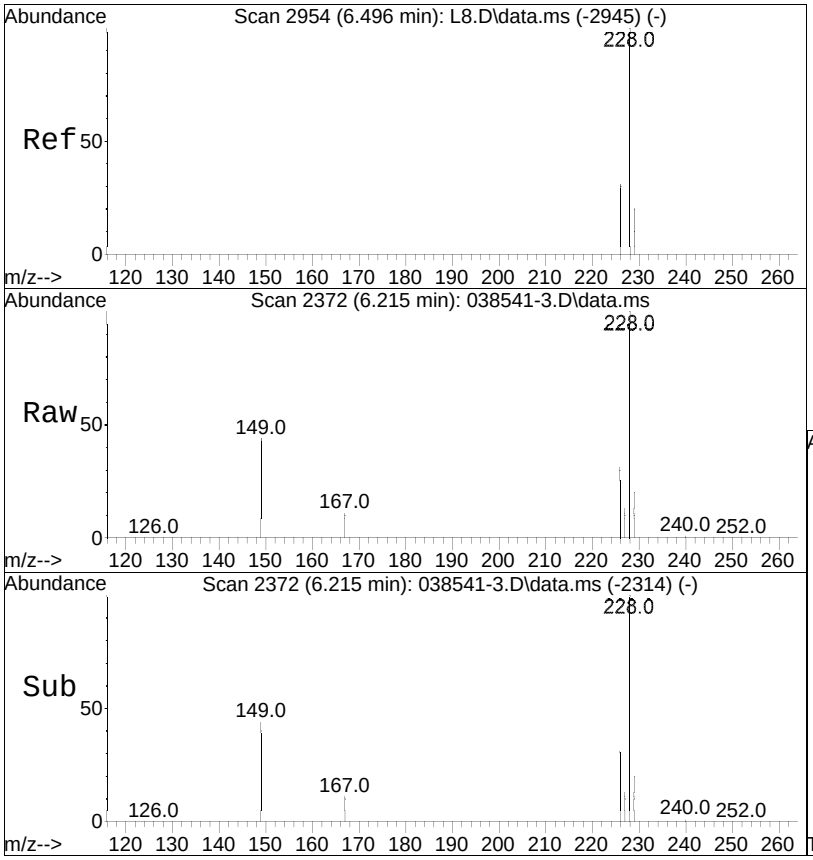


#34
Benzo[a]anthracene
Concen: 1755.41 ng/ml
RT: 6.192 min Scan# 2356
Delta R.T. -0.000 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:228 Resp: 580658

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9

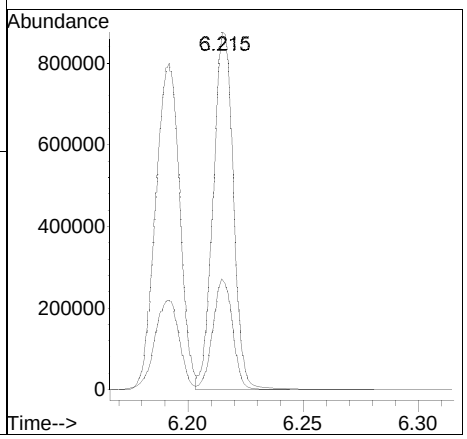


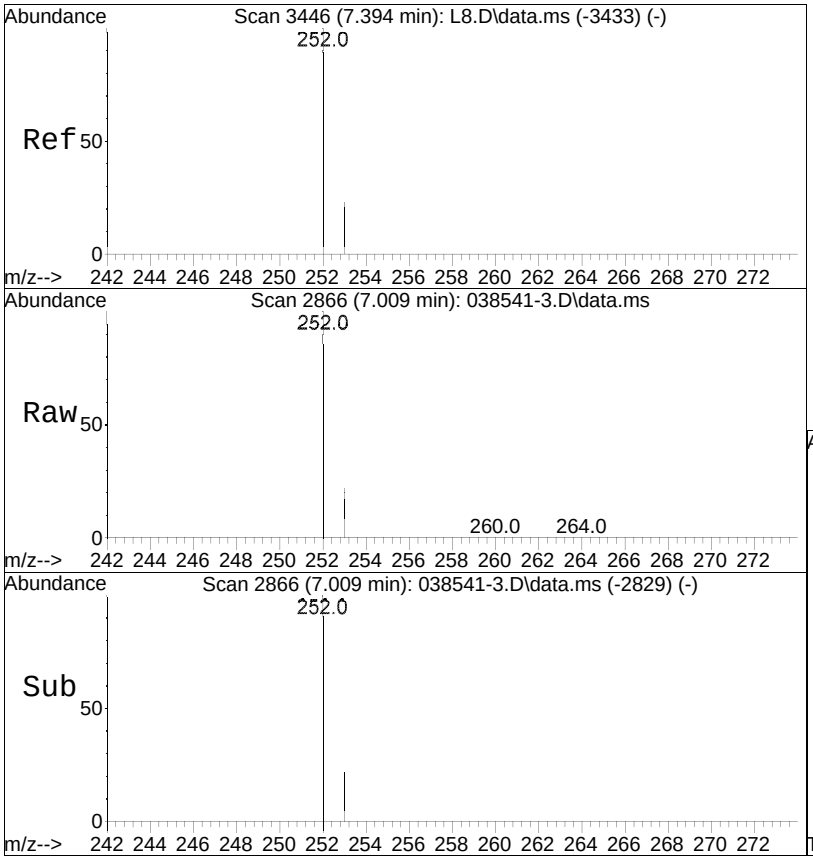


#36
Chrysene
Concen: 1652.75 ng/ml
RT: 6.215 min Scan# 2372
Delta R.T. 0.001 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:228 Resp: 533172

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.4	36.6

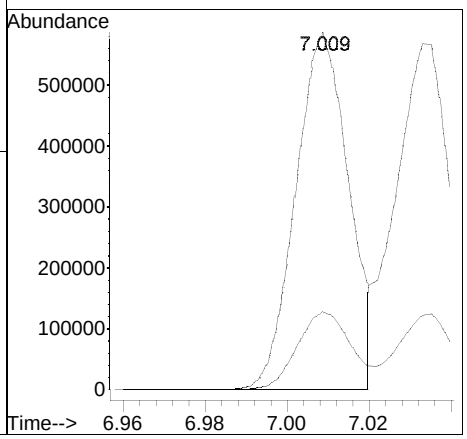


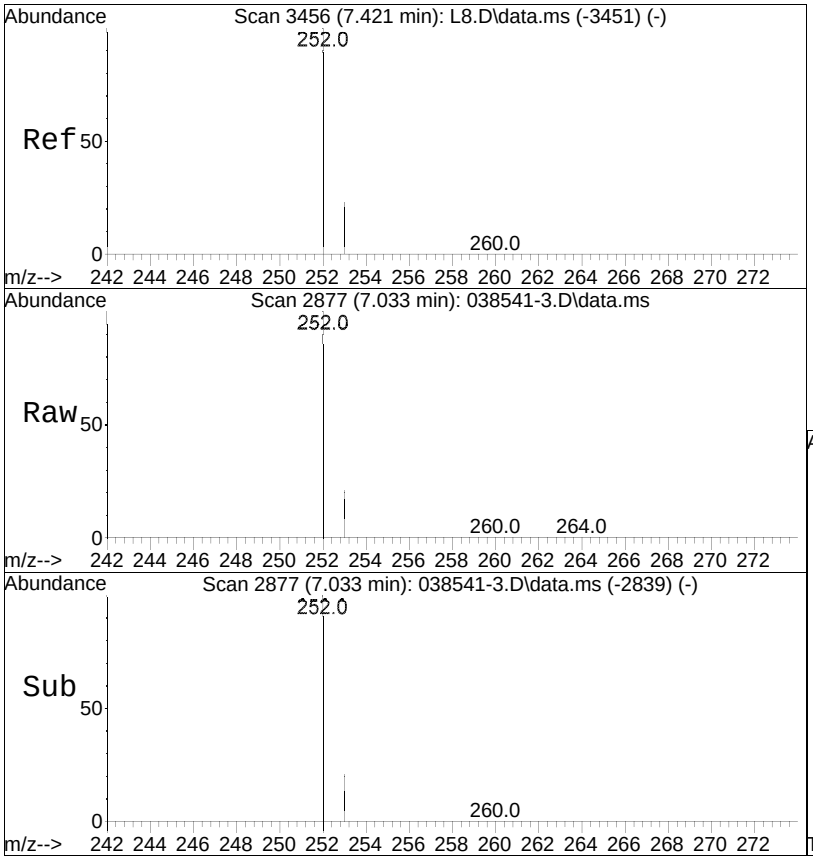


#39
Benzo[b]fluoranthene
Concen: 1735.67 ng/ml
RT: 7.009 min Scan# 2866
Delta R.T. 0.002 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:252 Resp: 526950

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1

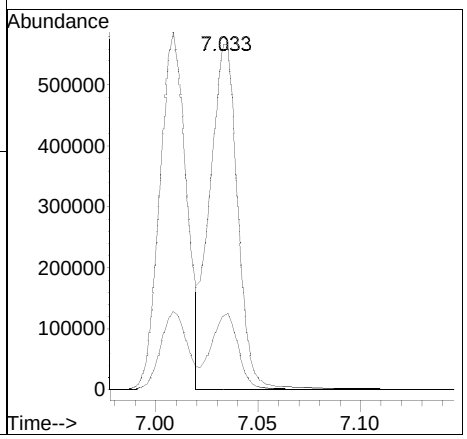


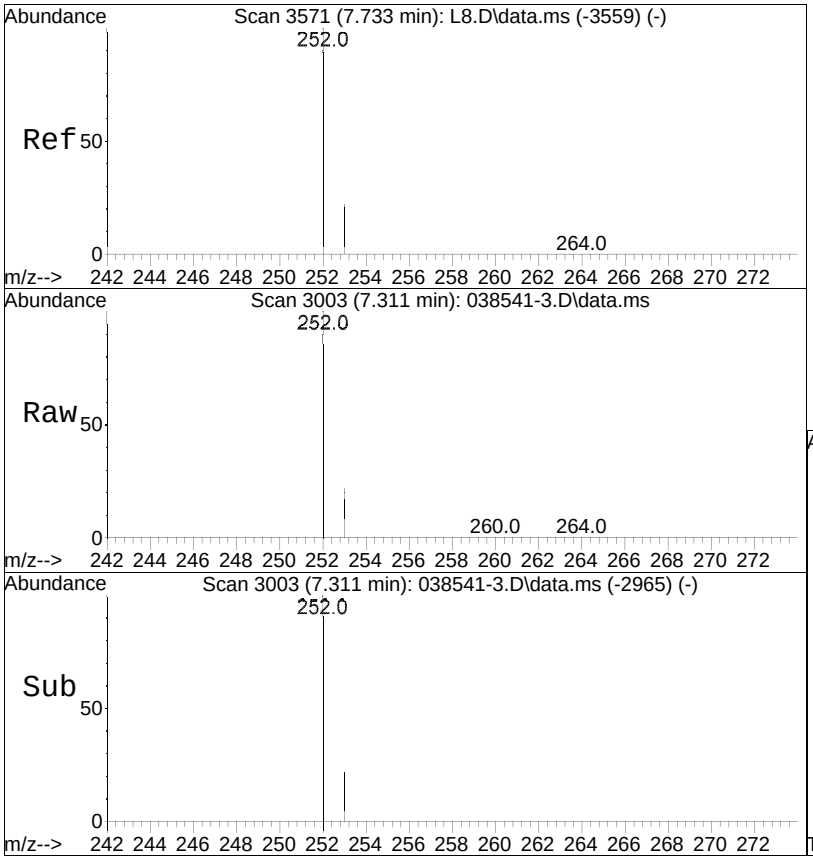


#40
Benzo[k]fluoranthene
Concen: 1787.50 ng/ml
RT: 7.033 min Scan# 2877
Delta R.T. 0.004 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:252 Resp: 535160

Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2

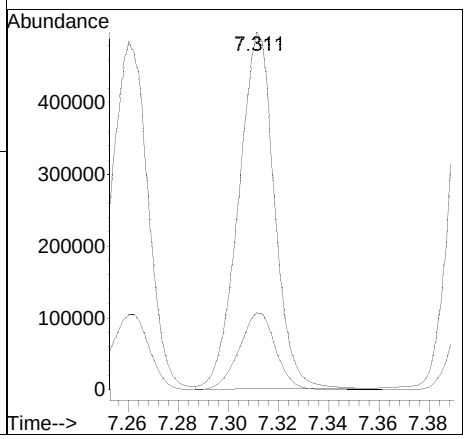


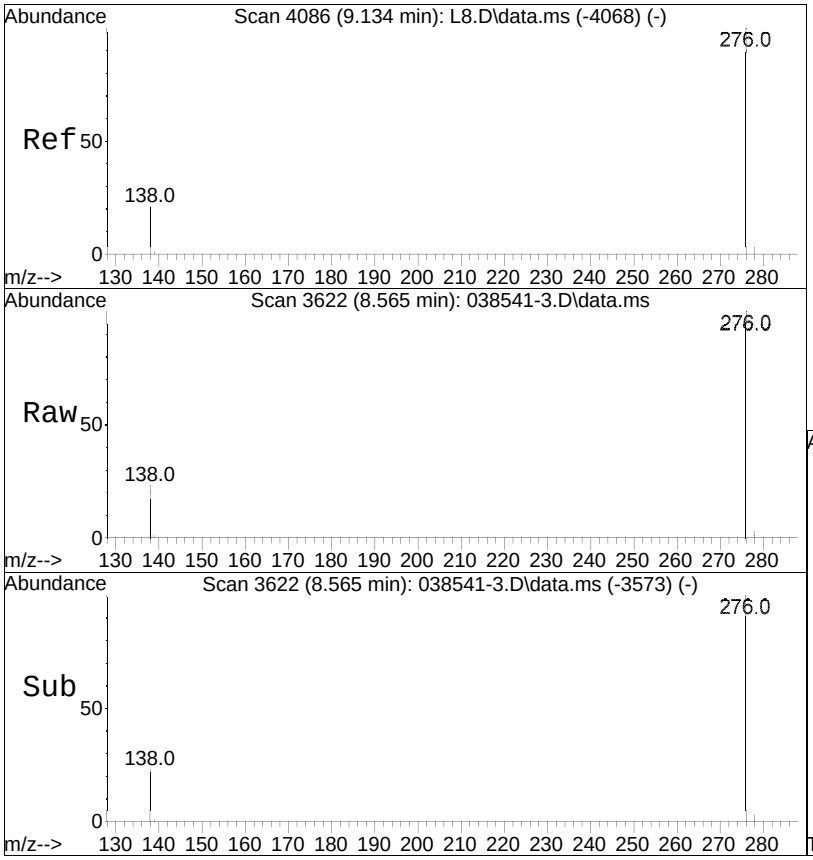


#41
Benzo[a]pyrene
Concen: 1902.46 ng/ml
RT: 7.311 min Scan# 3003
Delta R.T. 0.004 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:252 Resp: 490098

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9

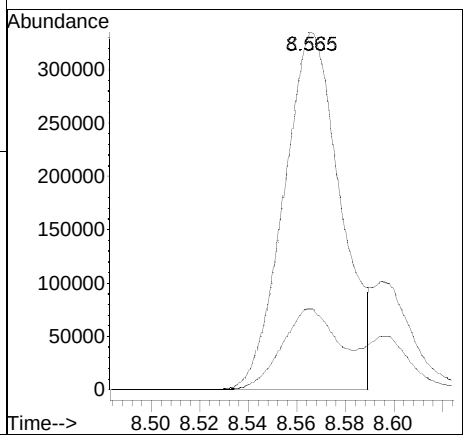


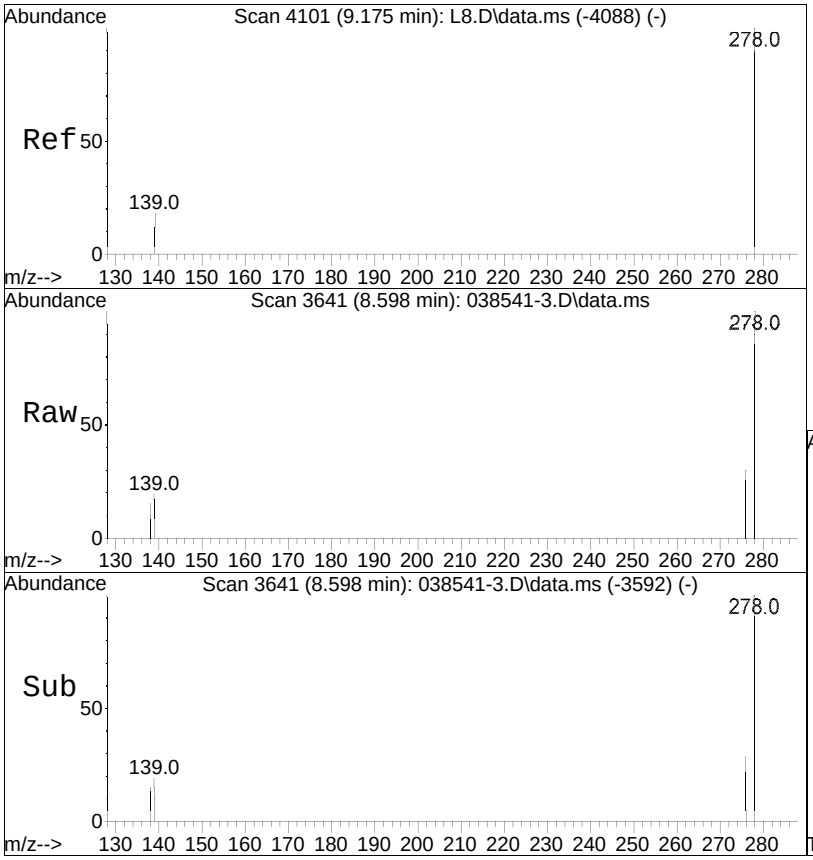


#42
Indeno[1,2,3-cd]pyrene
Concen: 2173.87 ng/ml
RT: 8.565 min Scan# 3622
Delta R.T. 0.005 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:276 Resp: 542163

Ion	Ratio	Lower	Upper
276	100		
138	22.4	16.9	25.3

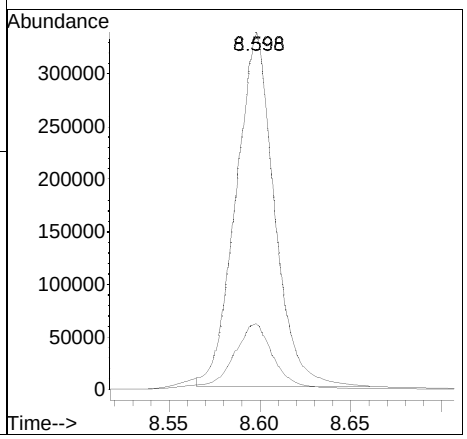


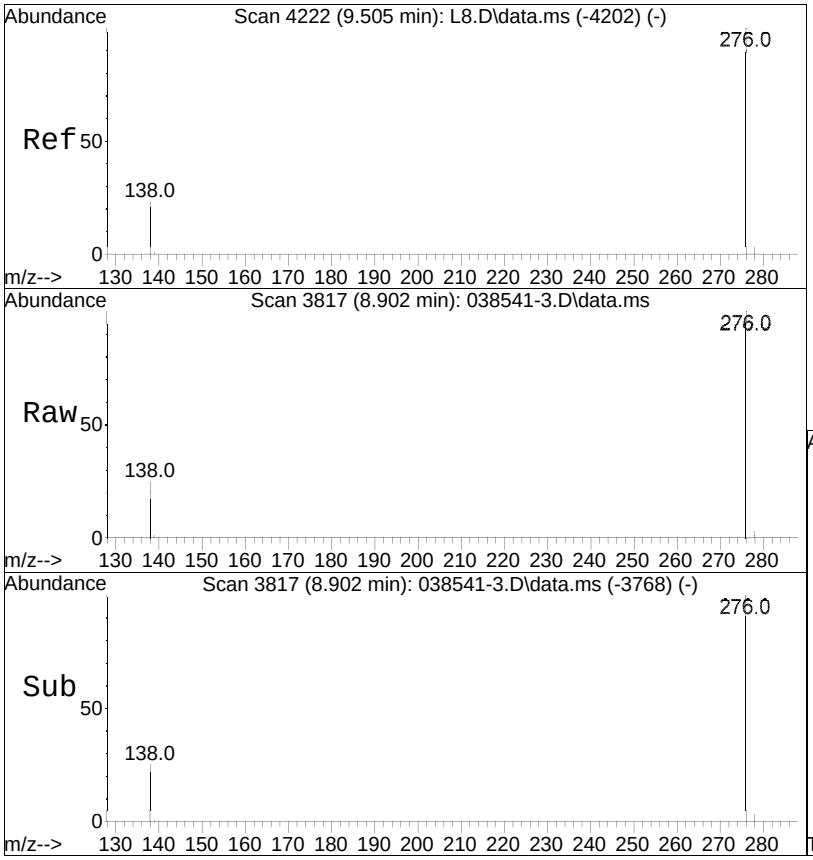


#43
Dibenzo[a,h]anthracene
Concen: 2135.76 ng/ml M6
RT: 8.598 min Scan# 3641
Delta R.T. 0.005 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:278 Resp: 494137

Ion	Ratio	Lower	Upper
278	100		
139	19.9	14.6	22.0

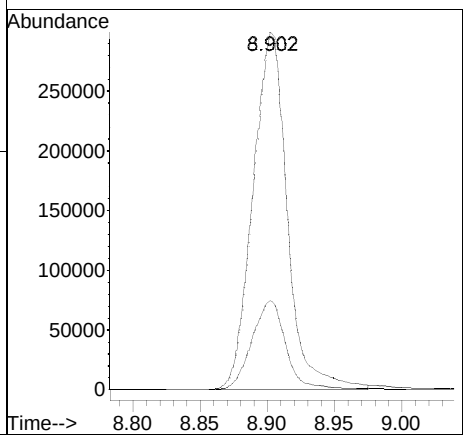




#44
Benzo[g,h,i]perylene
Concen: 2214.08 ng/ml
RT: 8.902 min Scan# 3817
Delta R.T. 0.005 min
Lab File: 038541-3.D
Acq: 10 Mar 2025 03:16 pm

Tgt Ion:276 Resp: 525565

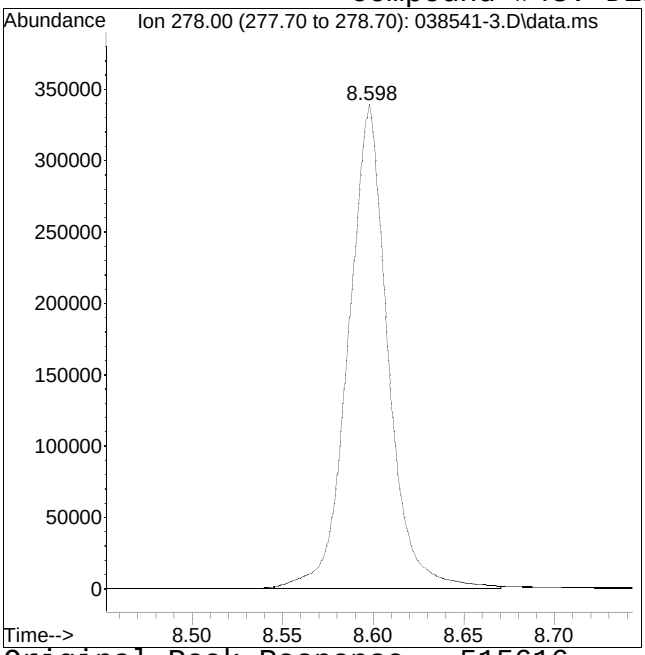
Ion	Ratio	Lower	Upper
276	100		
138	24.8	18.6	28.0



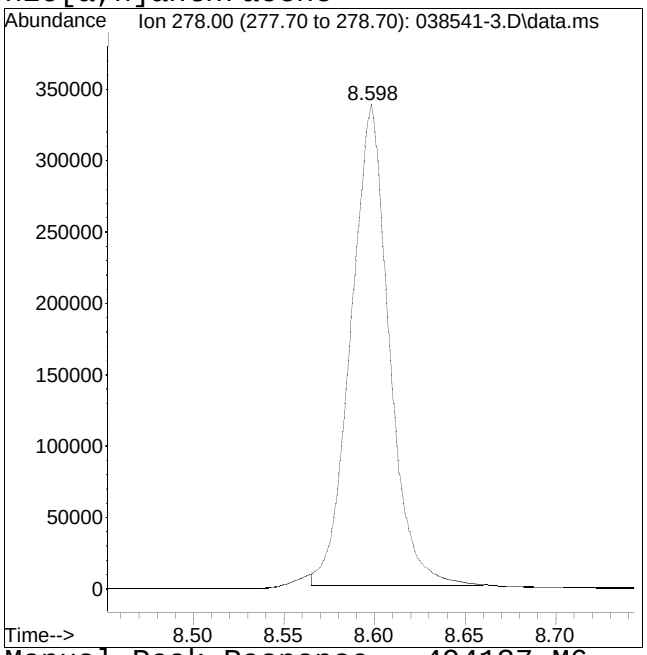
Manual Integration Report

Data Path : I:\8270SIM\sv119\250310RVTQMethod : SIM-RVT_241229_sv119.M
Data File : 038541-3.D Operator : sv119:dv
Date Inj'd : 3/10/2025 3:16 pm Instrument : SV119
Sample : WG2038541-3,32,,jjw,442 Quant Date : 3/10/2025 3:30 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 515616



Manual Peak Response = 494137 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-4.D
Acq On : 07 Mar 2025 07:26 pm
Operator : sv119:jg
Sample : WG2037073-4,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 08 15:46:52 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.208	152	212765	4000.000	ng/ml	0.00
Standard Area 1 = 289180			Recovery = 73.58%			
9) Naphthalene-d8	2.862	136	842328	4000.000	ng/ml	0.00
Standard Area 1 = 1098212			Recovery = 76.70%			
18) Acenaphthene-d10	3.831	164	484550	4000.000	ng/ml	0.00
Standard Area 1 = 628673			Recovery = 77.08%			
23) Phenanthrene-d10	4.664	188	1018701	4000.000	ng/ml	0.00
Standard Area 1 = 1320641			Recovery = 77.14%			
33) Chrysene-d12	6.203	240	930630	4000.000	ng/ml	0.00
Standard Area 1 = 1312779			Recovery = 70.89%			
38) Perylene-d12	7.380	264	962737	4000.000	ng/ml	0.00
Standard Area 1 = 1350730			Recovery = 71.28%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.641	112	89623	1572.117	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 78.61%			
4) Phenol-d6	2.030	99	89195	1253.573	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 62.68%			
8) Nitrobenzene-d5	2.487	82	70242	1018.030	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.80%			
14) 2-Fluorobiphenyl	3.454	172	178908	871.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.10%			
22) 2,4,6-Tribromophenol	4.274	330	53569	2533.036	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 126.65%#			
32) 4-Terphenyl-d14	5.573	244	253309	1002.347	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.23%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	2.074	93	137160	2088.512	ng/ml	90
7) Hexachloroethane	2.460	117	41983	1522.360	ng/ml	97
10) Naphthalene	2.873	128	414471	1764.270	ng/ml	100
11) Hexachlorobutadiene	2.942	225	52330	1265.762	ng/ml	100
12) 2-Methylnaphthalene	3.250	142	263839	1607.123	ng/ml	98
15) 2-Chloronaphthalene	3.518	162	299983	1769.265	ng/ml#	85
17) Acenaphthylene	3.748	152	546485	2081.252	ng/ml	99
19) Acenaphthene	3.848	153	332077	2054.864	ng/ml	94
21) Fluorene	4.139	166	416181	2241.511	ng/ml	97
25) Hexachlorobenzene	4.453	284	124179	2068.021	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-4.D
Acq On : 07 Mar 2025 07:26 pm
Operator : sv119:jg
Sample : WG2037073-4,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 08 15:46:52 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	4.567	266	71548	2208.192	ng/ml	100
27) Phenanthrene	4.677	178	662056	2222.763	ng/ml	99
28) Anthracene	4.705	178	682583	2285.717	ng/ml	100
29) Fluoranthene	5.353	202	856483	2298.395	ng/ml	98
30) Pyrene	5.484	202	872193	2267.564	ng/ml	100
34) Benzo[a]anthracene	6.195	228	787952	2401.102	ng/ml	100
36) Chrysene	6.220	228	718682	2242.905	ng/ml	100
39) Benzo[b]fluoranthene	7.015	252	768301	2407.952	ng/ml	99
40) Benzo[k]fluoranthene	7.039	252	735088	2336.248	ng/ml	99
41) Benzo[a]pyrene	7.318	252	678364	2505.612	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.576	276	811179	3094.838	ng/ml	98
43) Dibenzo[a,h]anthracene	8.607	278	756410	3110.856	ng/ml	98
44) Benzo[g,h,i]perylene	8.915	276	785523	3148.788	ng/ml	97

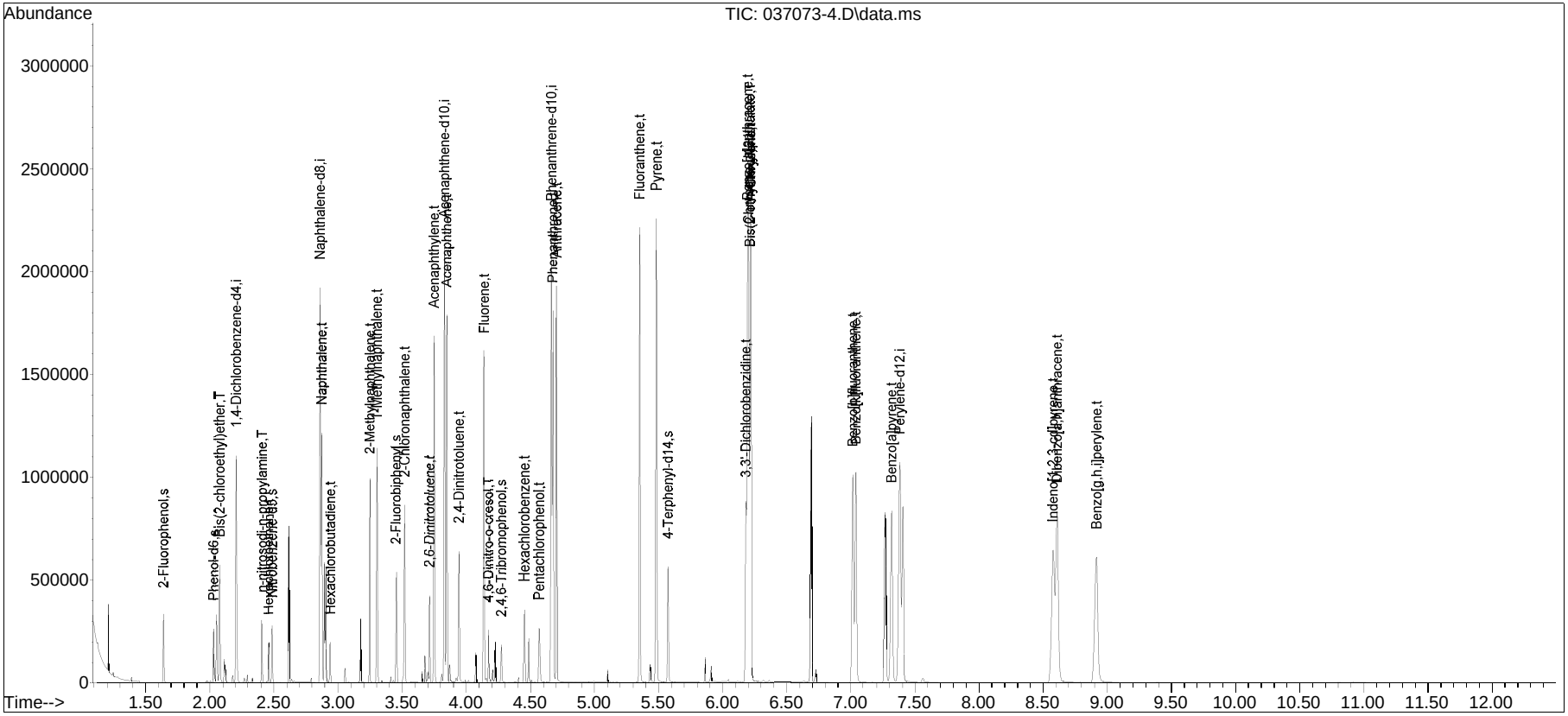
(#) = qualifier out of range (m) = manual integration (+) = signals summed

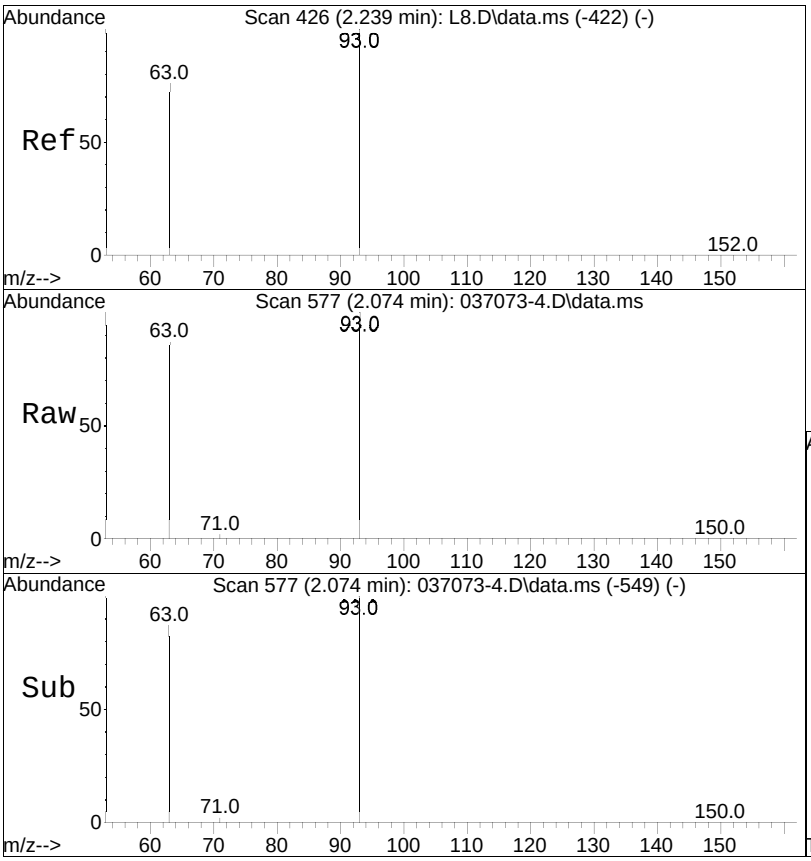
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-4.D
Acq On : 07 Mar 2025 07:26 pm
Operator : sv119:jg
Sample : WG2037073-4,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 08 15:46:52 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0307.D•

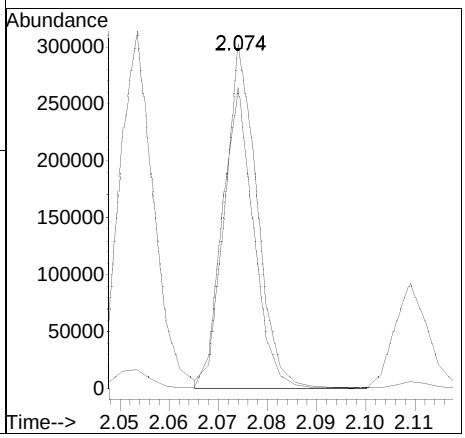


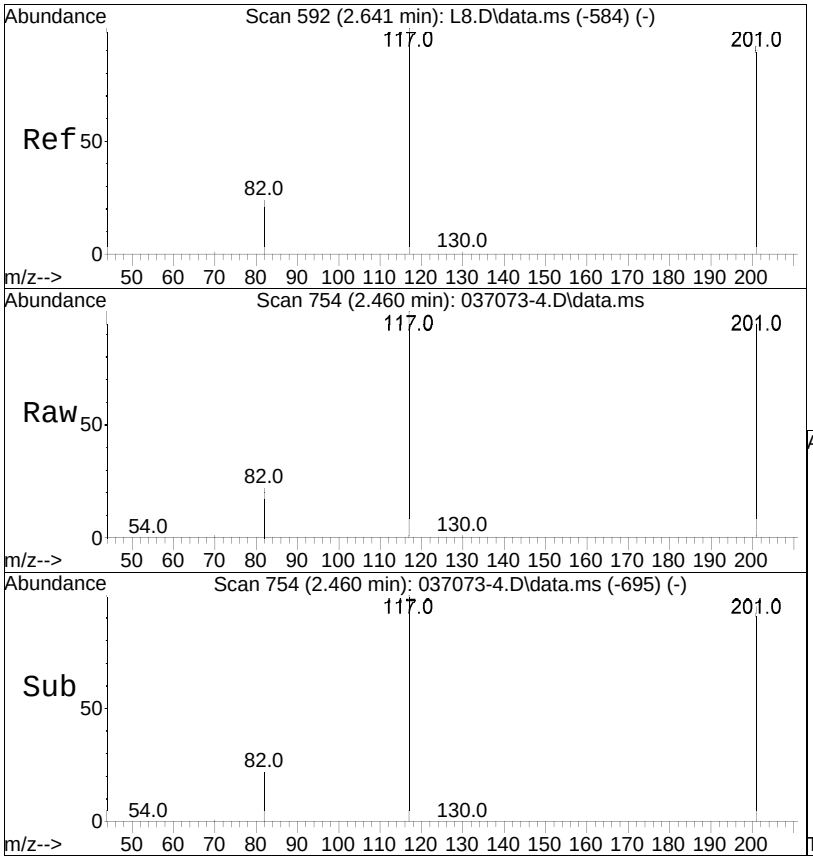


#5
Bis(2-chloroethyl)ether
Concen: 2088.51 ng/ml
RT: 2.074 min Scan# 577
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion: 93 Resp: 137160

Ion	Ratio	Lower	Upper
93	100		
63	85.4	61.7	92.5

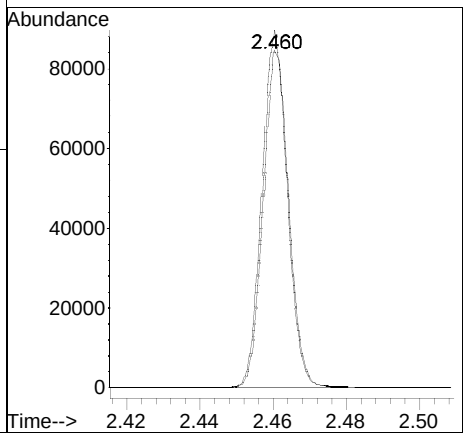


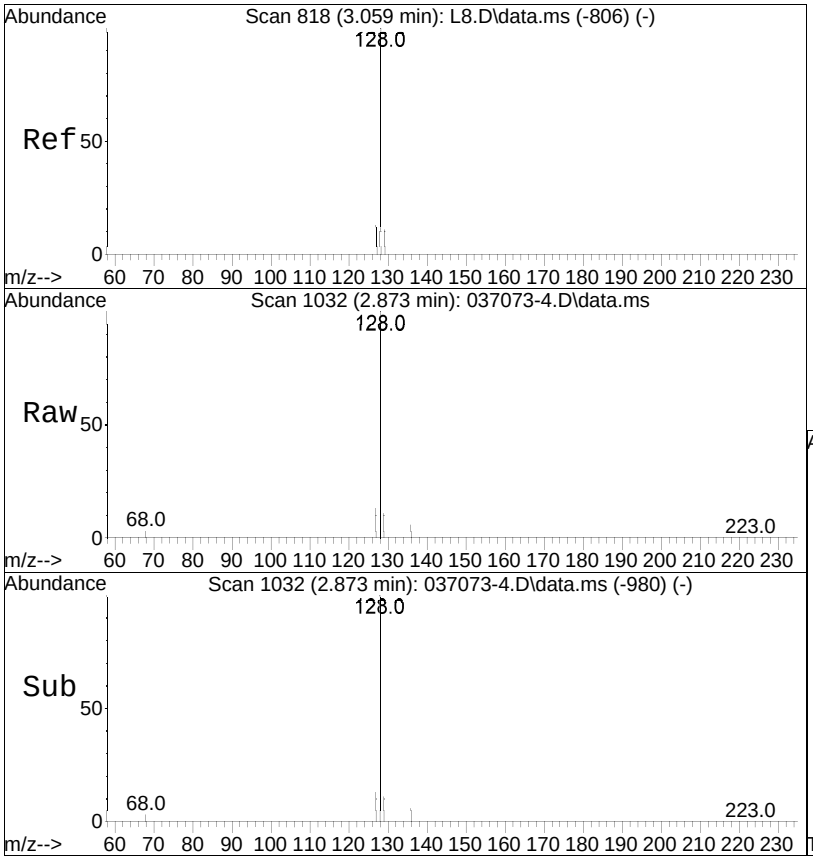


#7
Hexachloroethane
Concen: 1522.36 ng/ml
RT: 2.460 min Scan# 754
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:117 Resp: 41983

Ion	Ratio	Lower	Upper
117	100		
201	95.8	79.3	118.9

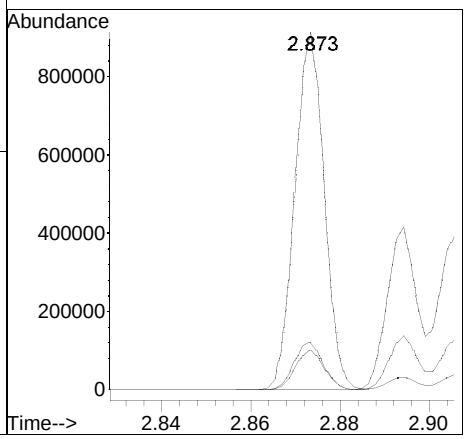


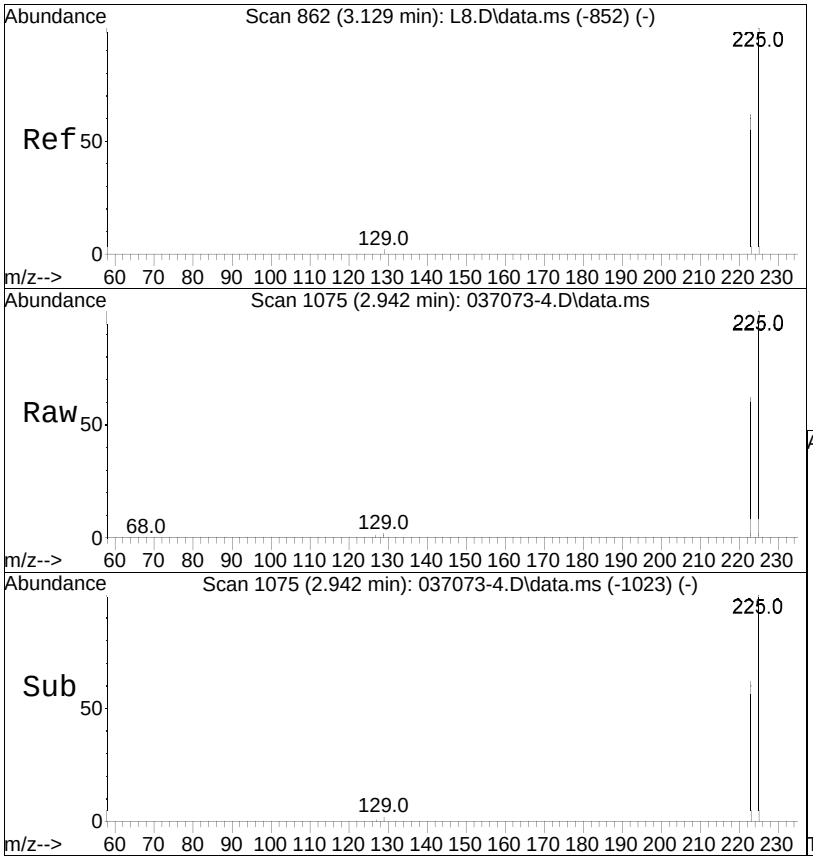


#10
Naphthalene
Concen: 1764.27 ng/ml
RT: 2.873 min Scan# 1032
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:128 Resp: 414471

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.5	15.7

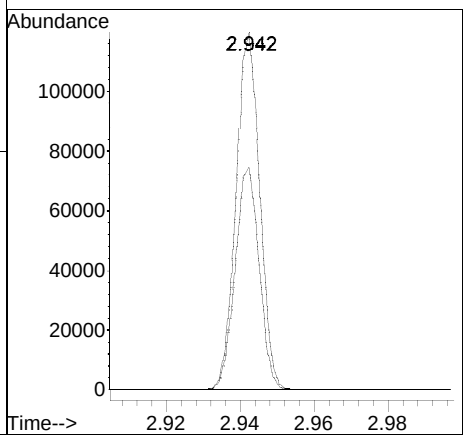


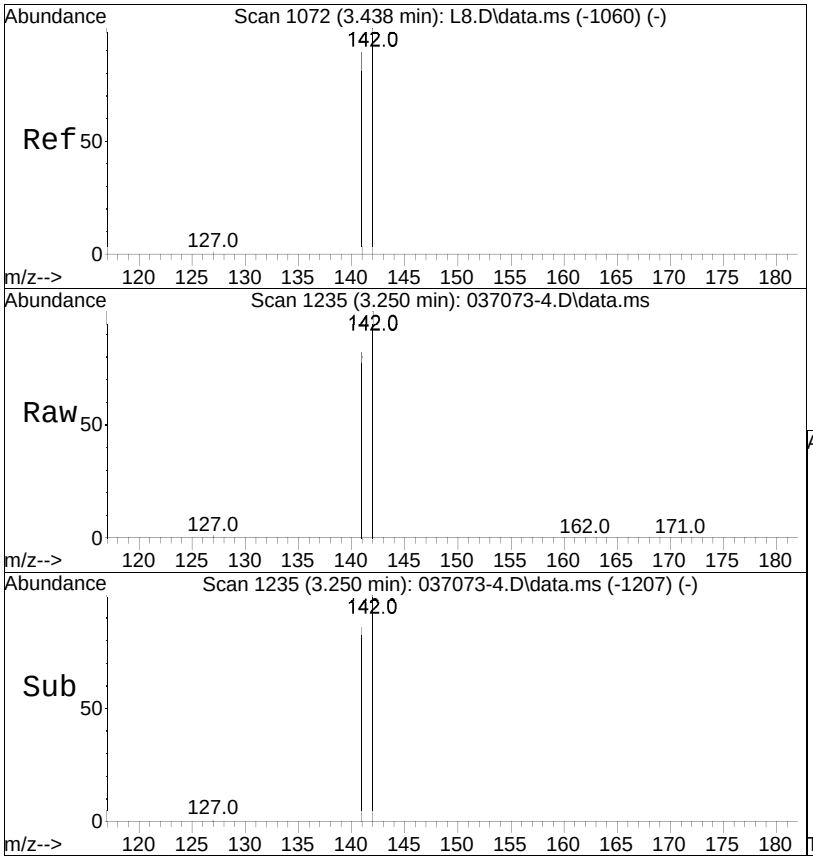


#11
Hexachlorobutadiene
Concen: 1265.76 ng/ml
RT: 2.942 min Scan# 1075
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:225 Resp: 52330

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.4	75.6

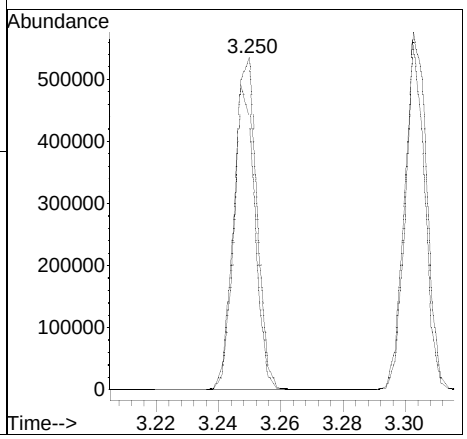


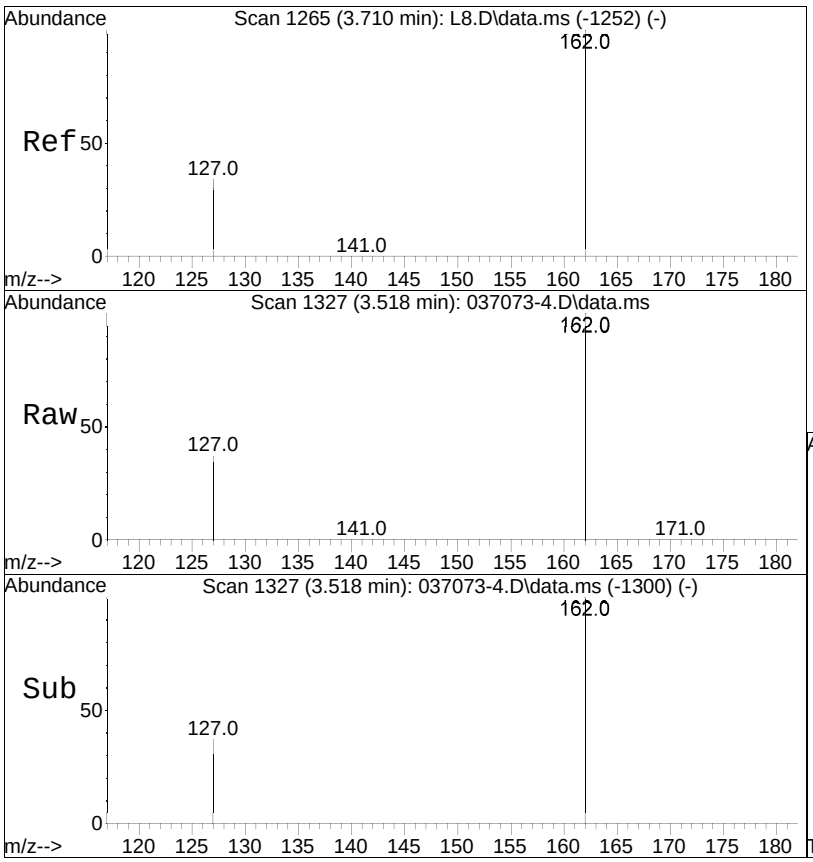


#12
2-Methylnaphthalene
Concen: 1607.12 ng/ml
RT: 3.250 min Scan# 1235
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:142 Resp: 263839

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9

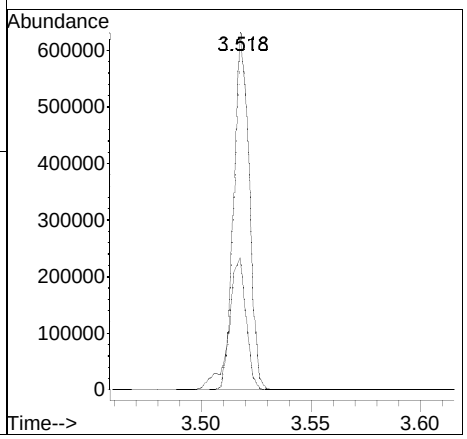


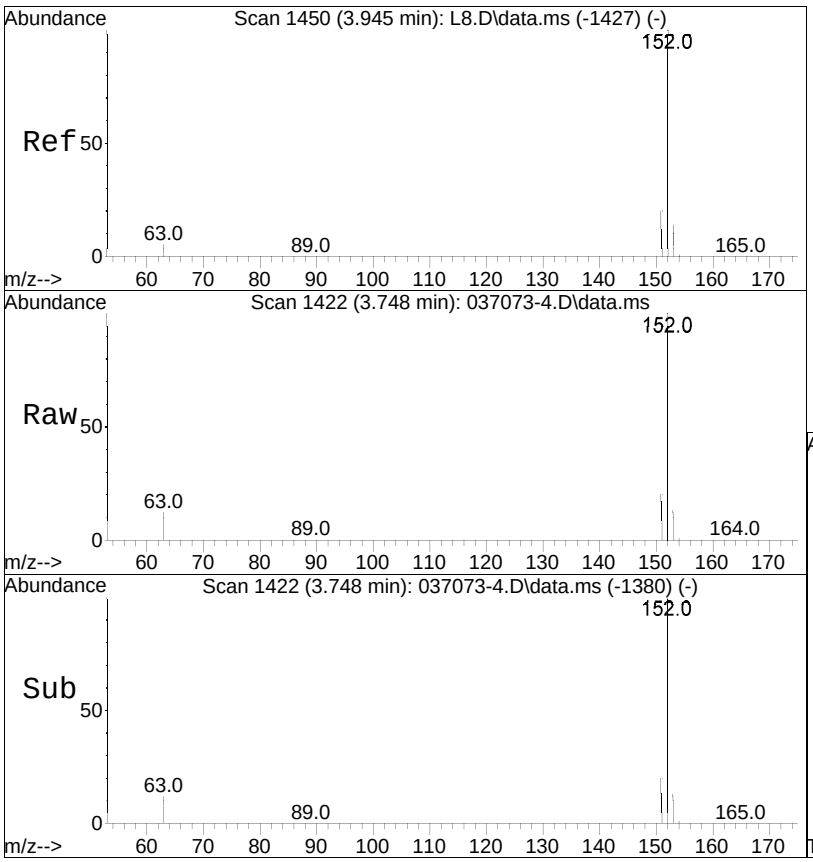


#15
2-Chloronaphthalene
Concen: 1769.27 ng/ml
RT: 3.518 min Scan# 1327
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:162 Resp: 299983

Ion	Ratio	Lower	Upper
162	100		
127	42.6	27.4	41.0#

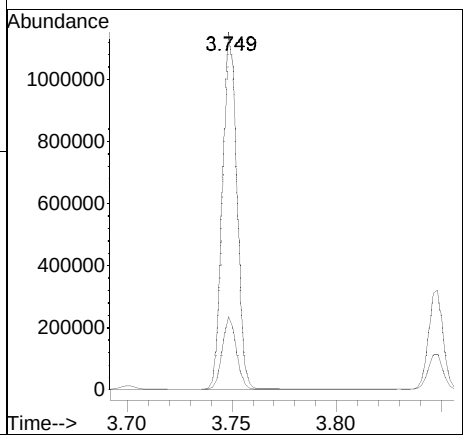


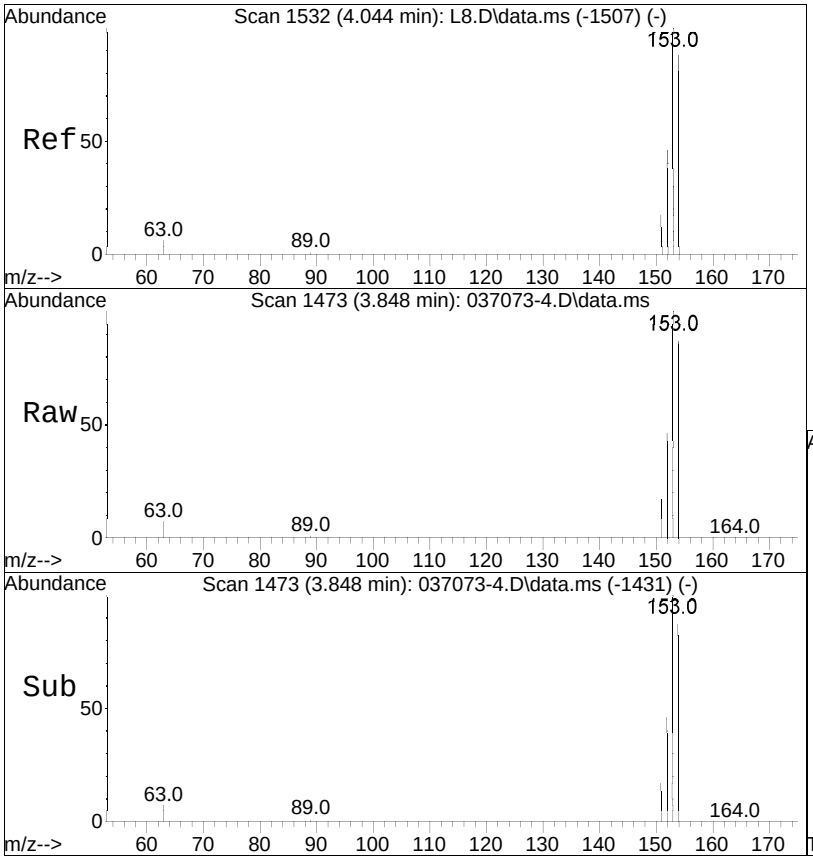


#17
Acenaphthylene
Concen: 2081.25 ng/ml
RT: 3.748 min Scan# 1422
Delta R.T. 0.002 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:152 Resp: 546485

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9

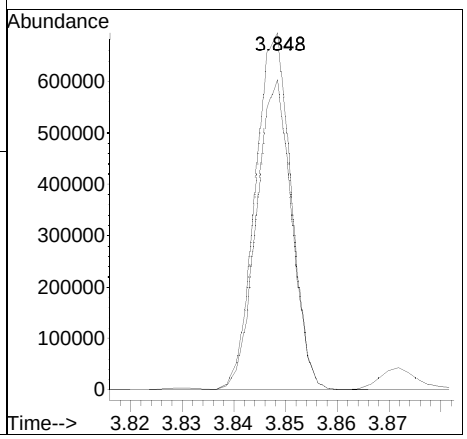


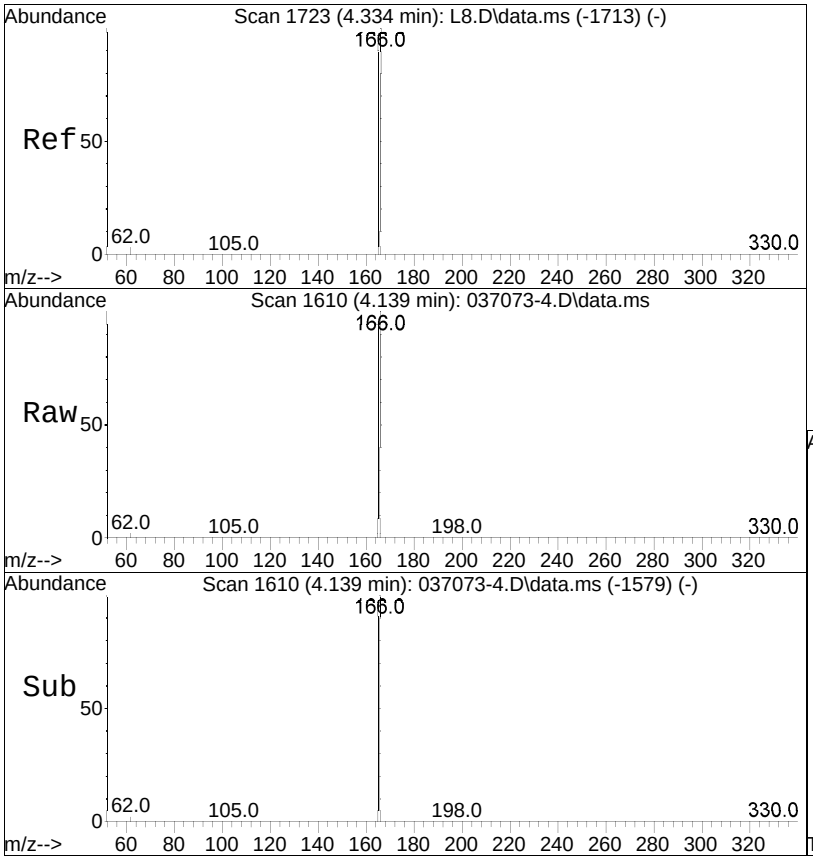


#19
Acenaphthene
Concen: 2054.86 ng/ml
RT: 3.848 min Scan# 1473
Delta R.T. 0.002 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:153 Resp: 332077

Ion	Ratio	Lower	Upper
153	100		
154	85.6	73.1	109.7

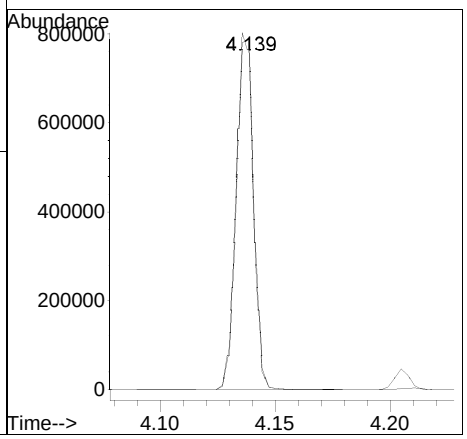


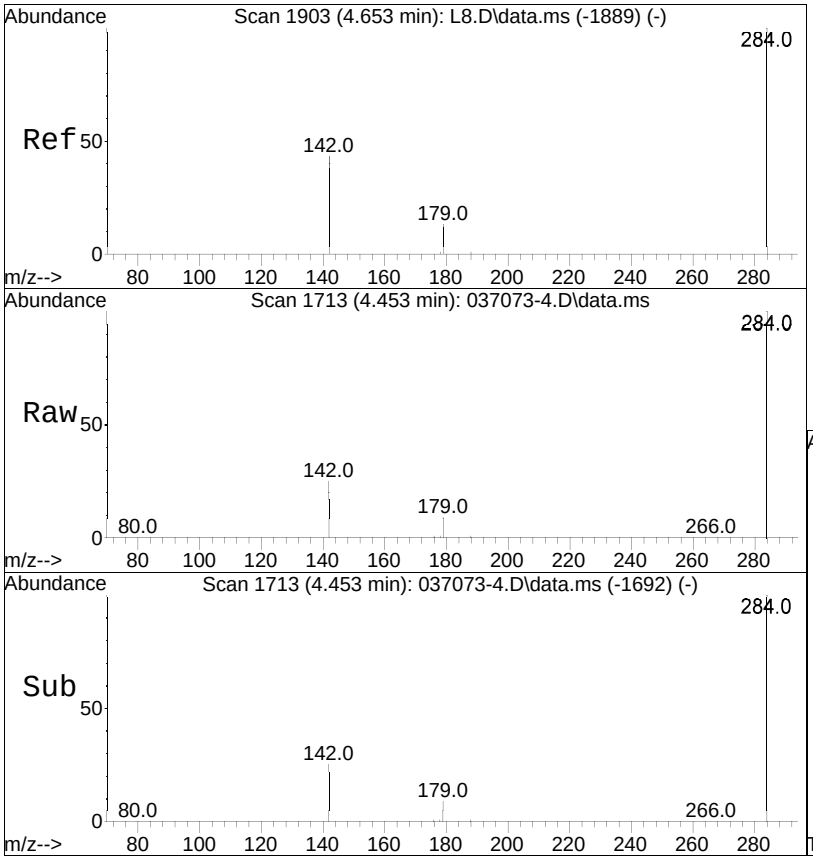


#21
Fluorene
Concen: 2241.51 ng/ml
RT: 4.139 min Scan# 1610
Delta R.T. 0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:166 Resp: 416181

Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.8	116.8

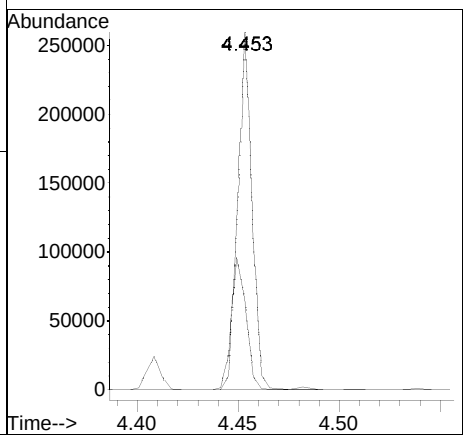


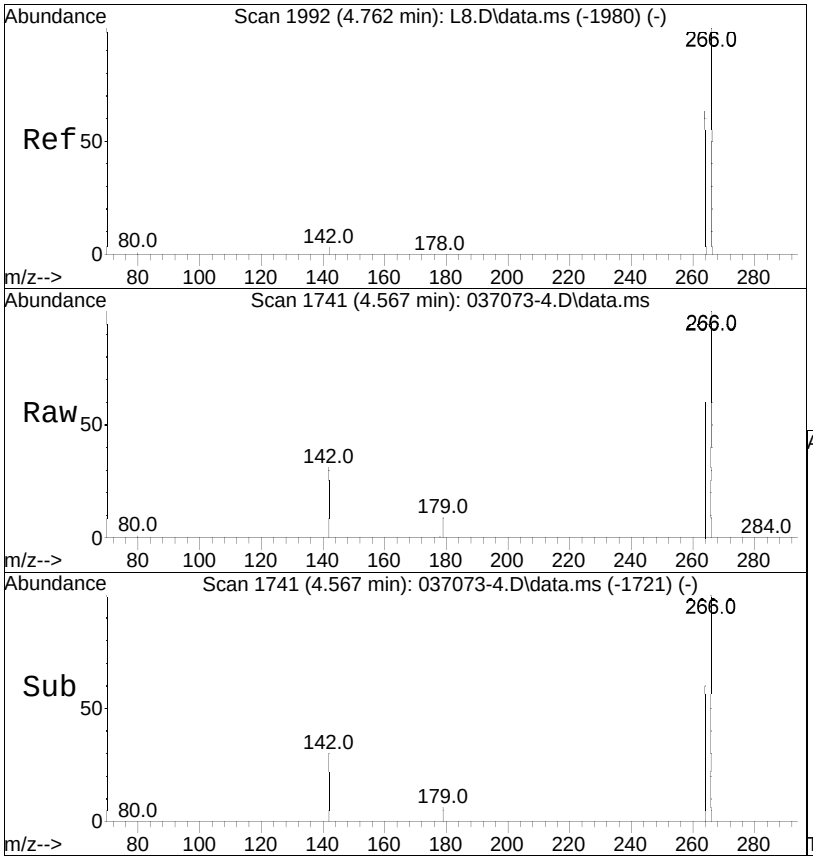


#25
Hexachlorobenzene
Concen: 2068.02 ng/ml
RT: 4.453 min Scan# 1713
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:284 Resp: 124179

Ion	Ratio	Lower	Upper
284	100		
142	39.0	33.8	50.6

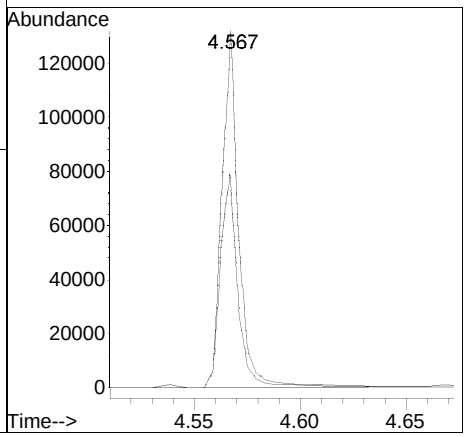


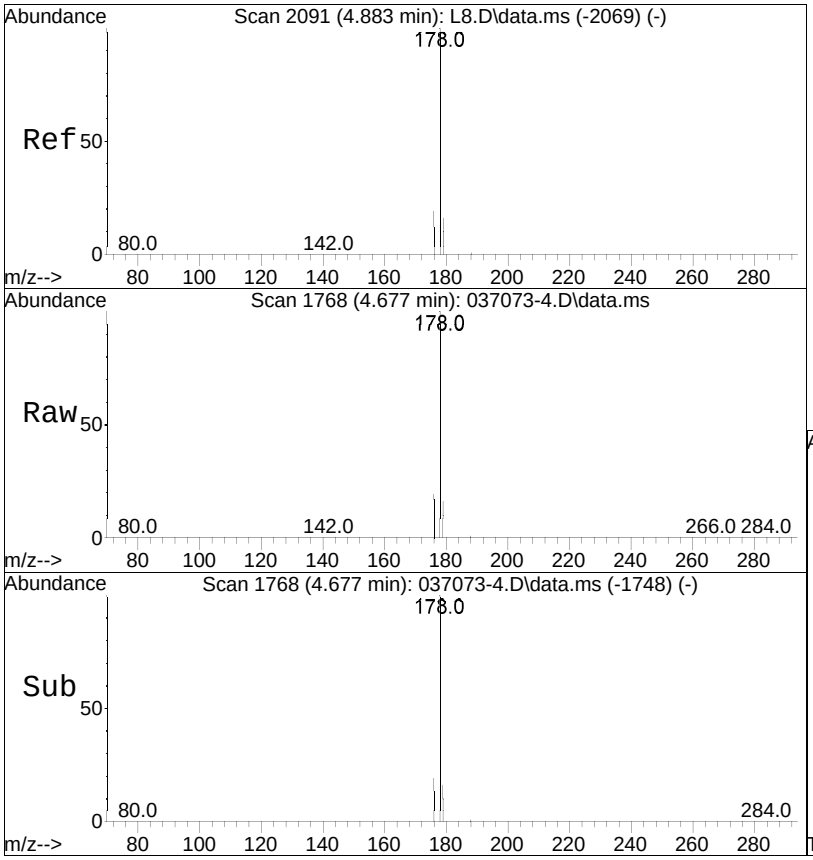


#26
Pentachlorophenol
Concen: 2208.19 ng/ml
RT: 4.567 min Scan# 1741
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:266 Resp: 71548

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.8	76.2

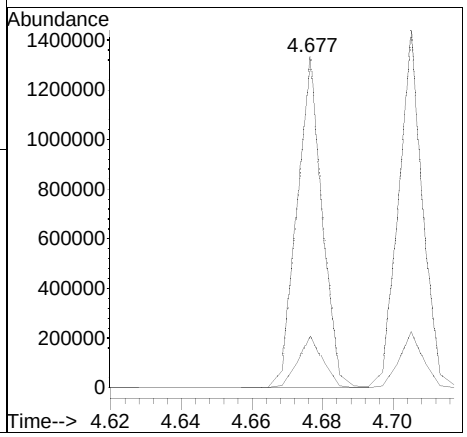


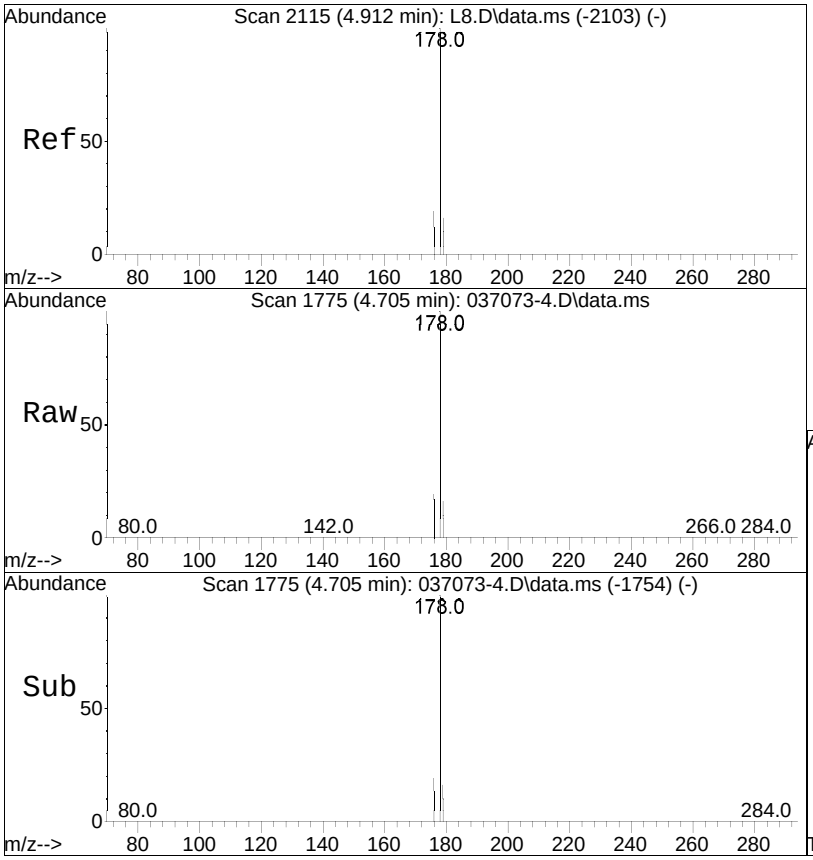


#27
Phenanthrene
Concen: 2222.76 ng/ml
RT: 4.677 min Scan# 1768
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:178 Resp: 662056

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2

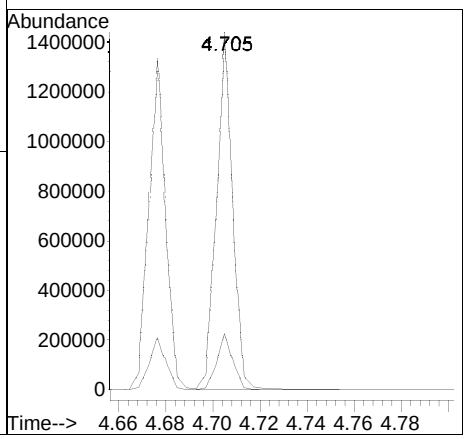


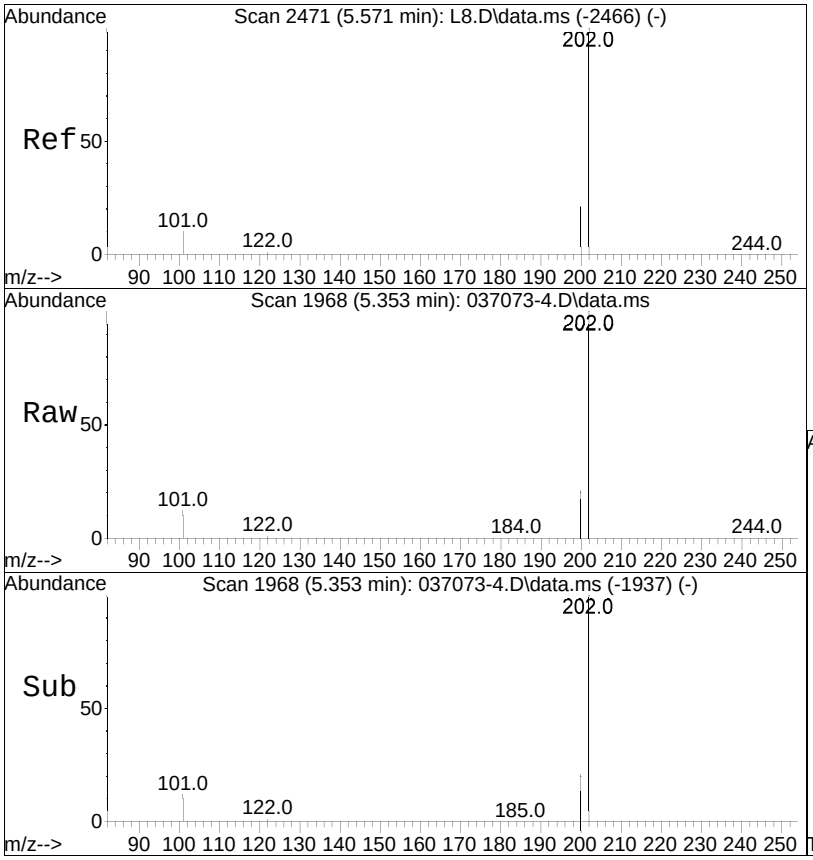


#28
Anthracene
Concen: 2285.72 ng/ml
RT: 4.705 min Scan# 1775
Delta R.T. 0.004 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:178 Resp: 682583

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

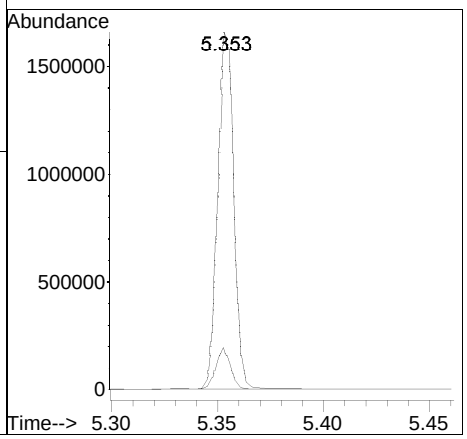


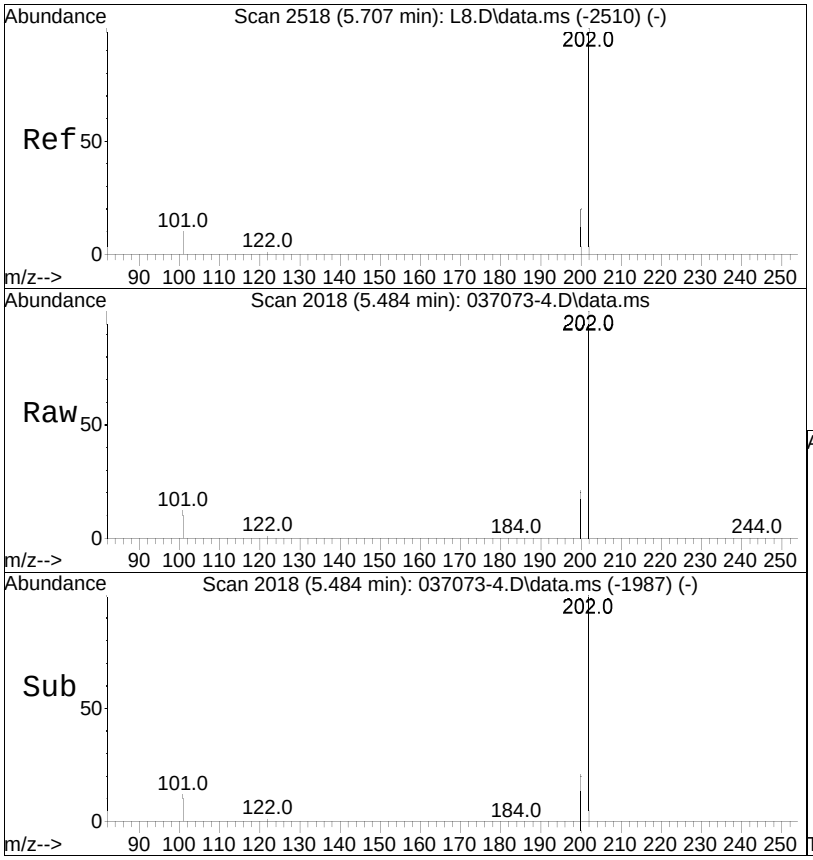


#29
Fluoranthene
Concen: 2298.40 ng/ml
RT: 5.353 min Scan# 1968
Delta R.T. 0.001 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:202 Resp: 856483

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.2	12.2

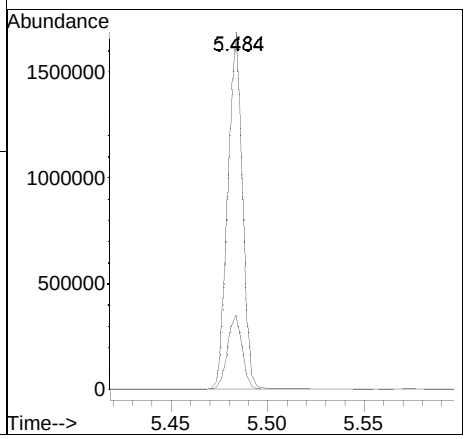


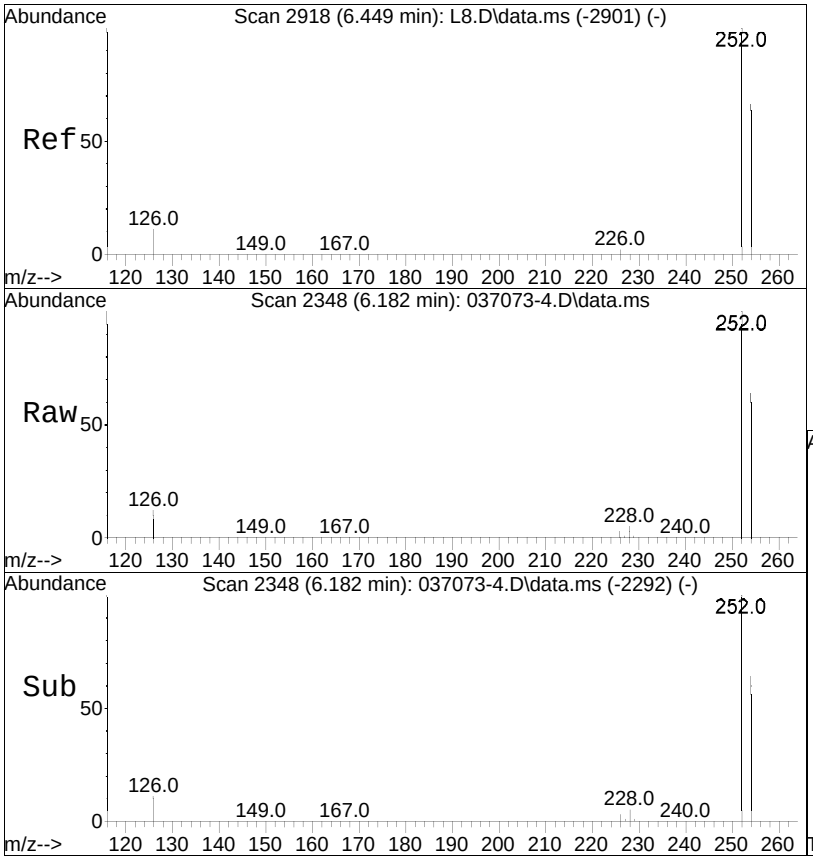


#30
Pyrene
Concen: 2267.56 ng/ml
RT: 5.484 min Scan# 2018
Delta R.T. 0.001 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:202 Resp: 872193

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3

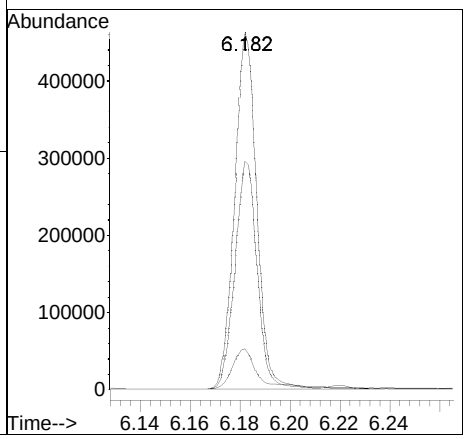


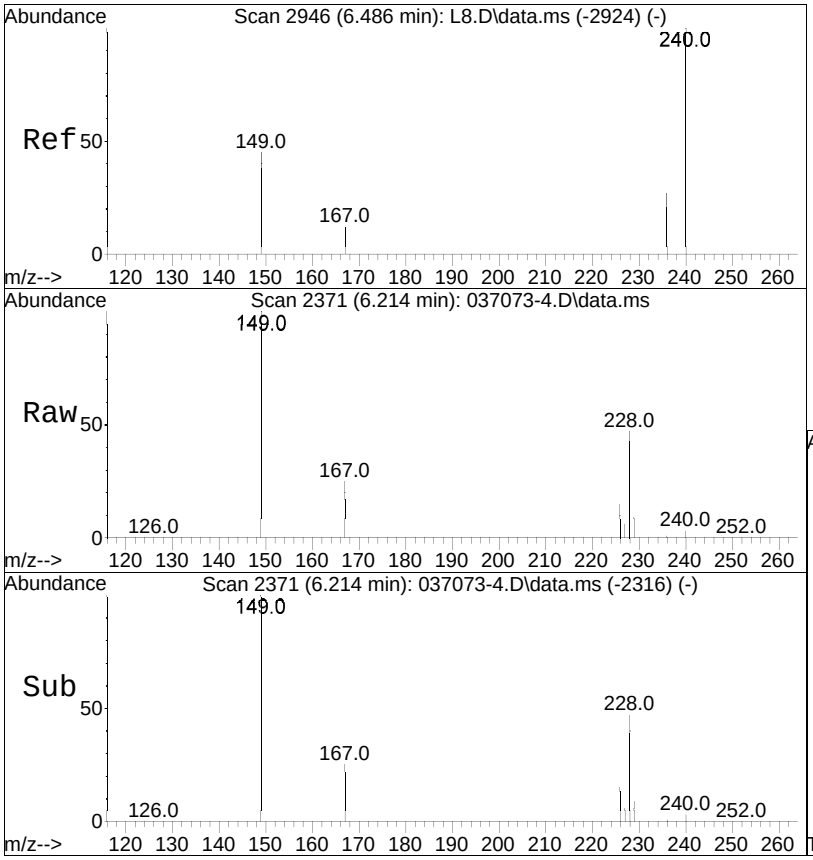


#35
3,3'-Dichlorobenzidine
Concen: 2387.82 ng/ml
RT: 6.182 min Scan# 2348
Delta R.T. -0.002 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:252 Resp: 283763

Ion	Ratio	Lower	Upper
252	100		
126	13.1	8.6	13.0#
254	64.3	51.8	77.8

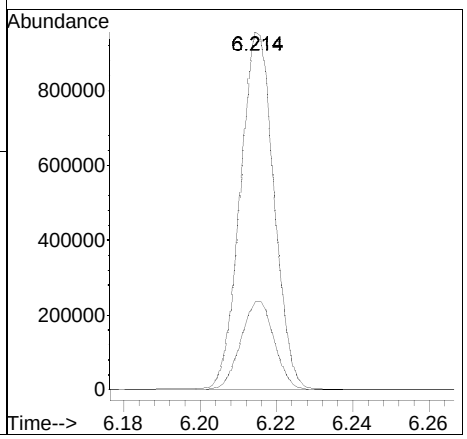


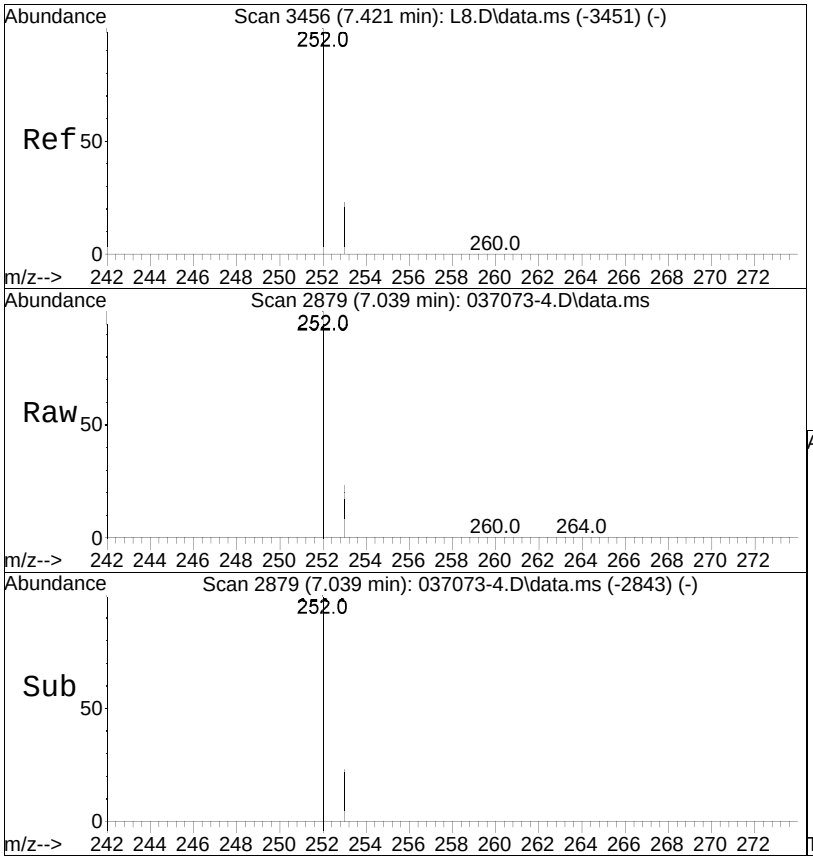


#37
Bis(2-ethylhexyl)phthalate
Concen: 3481.66 ng/ml
RT: 6.214 min Scan# 2371
Delta R.T. -0.003 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:149 Resp: 578747

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.7	31.1

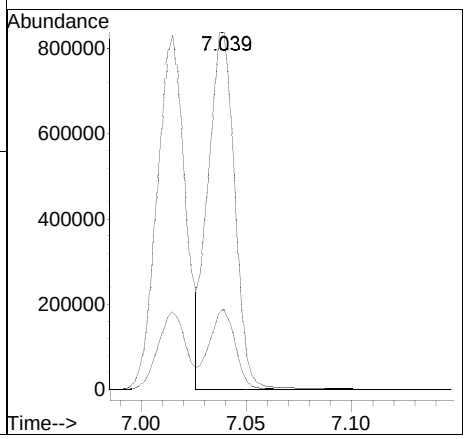


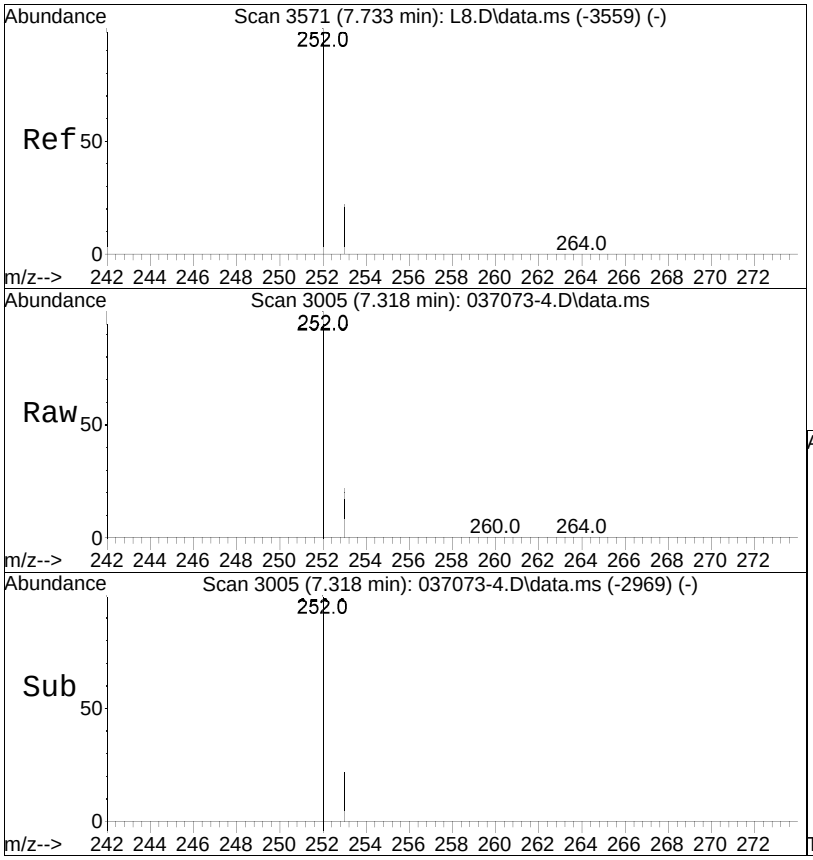


#40
Benzo[k]fluoranthene
Concen: 2336.25 ng/ml
RT: 7.039 min Scan# 2879
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:252 Resp: 735088

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2

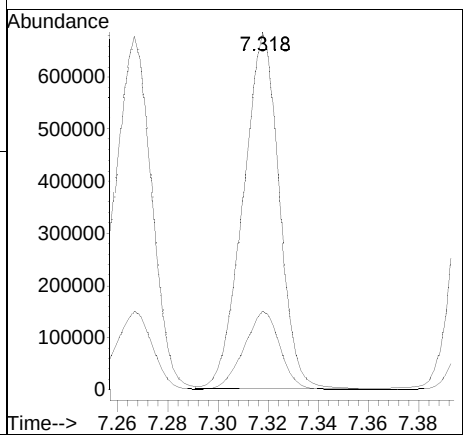


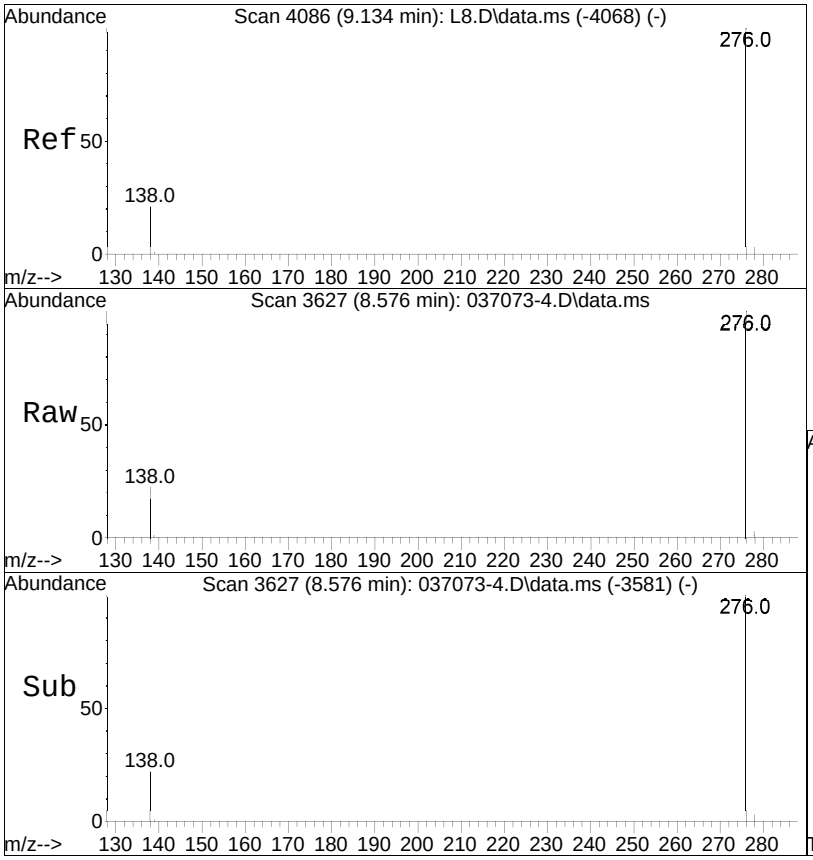


#41
Benzo[a]pyrene
Concen: 2505.61 ng/ml
RT: 7.318 min Scan# 3005
Delta R.T. -0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:252 Resp: 678364

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9

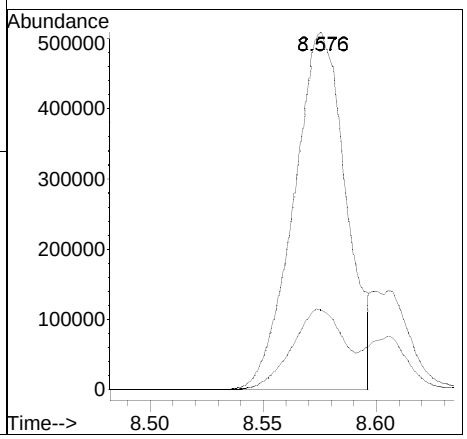


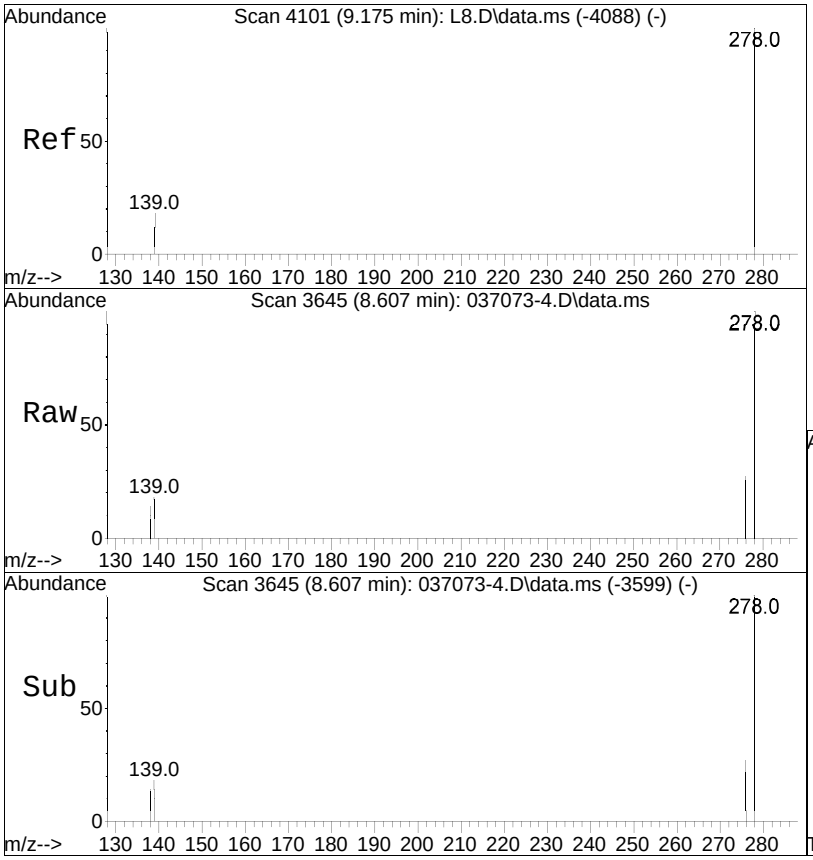


#42
Indeno[1,2,3-cd]pyrene
Concen: 3094.84 ng/ml
RT: 8.576 min Scan# 3627
Delta R.T. 0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:276 Resp: 811179

Ion	Ratio	Lower	Upper
276	100		
138	22.2	16.9	25.3

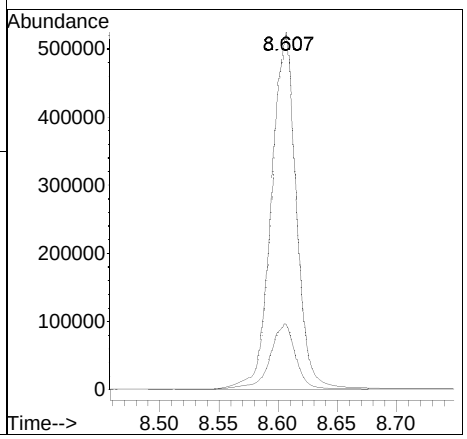


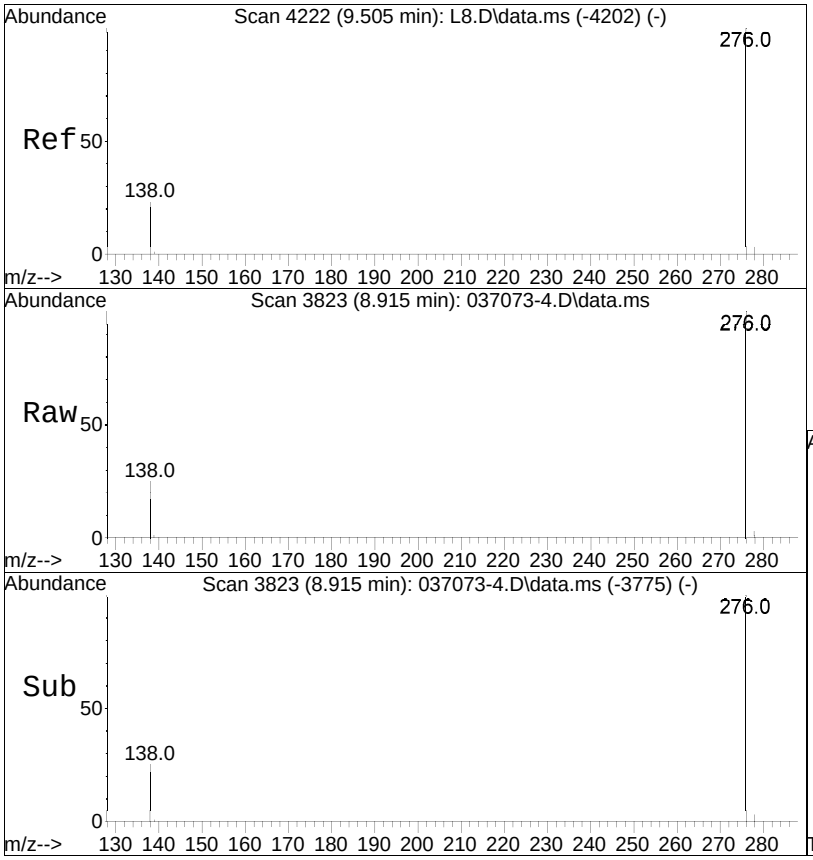


#43
Dibenzo[a,h]anthracene
Concen: 3110.86 ng/ml
RT: 8.607 min Scan# 3645
Delta R.T. 0.000 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:278 Resp: 756410

Ion	Ratio	Lower	Upper
278	100		
139	19.1	14.6	22.0

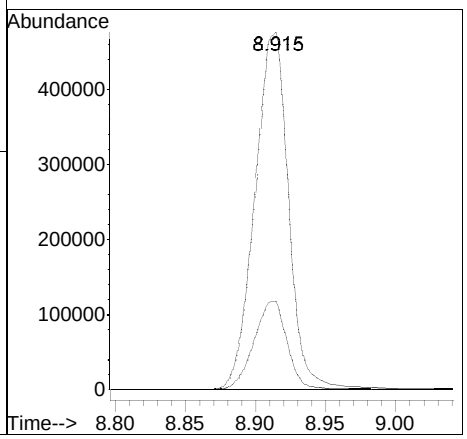




#44
Benzo[g,h,i]perylene
Concen: 3148.79 ng/ml
RT: 8.915 min Scan# 3823
Delta R.T. 0.004 min
Lab File: 037073-4.D
Acq: 07 Mar 2025 07:26 pm

Tgt Ion:276 Resp: 785523

Ion	Ratio	Lower	Upper
276	100		
138	24.6	18.6	28.0



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 037073-4.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:26 pm	Instrument	: SV119
Sample	: WG2037073-4,32,,HNY	Quant Date	: 3/7/2025 7:40 pm

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

Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVT	Method	: SIM-RVT_241229_sv119.M
Data File	: 037073-4.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:26 pm	Instrument	: SV119
Sample	: WG2037073-4,32,,HNY	Quant Date	: 3/7/2025 7:40 pm

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

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-5.D
Acq On : 07 Mar 2025 07:43 pm
Operator : sv119:jg
Sample : WG2037073-5,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 08 15:47:41 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.209	152	217217	4000.000	ng/ml	0.00
Standard Area 1 = 289180			Recovery = 75.11%			
9) Naphthalene-d8	2.863	136	866273	4000.000	ng/ml	0.00
Standard Area 1 = 1098212			Recovery = 78.88%			
18) Acenaphthene-d10	3.829	164	505837	4000.000	ng/ml	0.00
Standard Area 1 = 628673			Recovery = 80.46%			
23) Phenanthrene-d10	4.665	188	1074553	4000.000	ng/ml	0.00
Standard Area 1 = 1320641			Recovery = 81.37%			
33) Chrysene-d12	6.202	240	974655	4000.000	ng/ml	0.00
Standard Area 1 = 1312779			Recovery = 74.24%			
38) Perylene-d12	7.378	264	988719	4000.000	ng/ml	0.00
Standard Area 1 = 1350730			Recovery = 73.20%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.640	112	58922	1012.393	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.62%			
4) Phenol-d6	2.031	99	68102	937.509	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.88%			
8) Nitrobenzene-d5	2.488	82	64836	920.421	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.04%			
14) 2-Fluorobiphenyl	3.454	172	168083	795.711	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.57%			
22) 2,4,6-Tribromophenol	4.274	330	33525	1518.534	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 75.93%			
32) 4-Terphenyl-d14	5.573	244	241334	905.325	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.53%			
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	2.074	93	125700	1874.783	ng/ml	91
7) Hexachloroethane	2.459	117	36368	1291.723	ng/ml	97
10) Naphthalene	2.874	128	366999	1519.015	ng/ml	100
11) Hexachlorobutadiene	2.943	225	45210	1063.316	ng/ml	100
12) 2-Methylnaphthalene	3.248	142	236505	1400.803	ng/ml	98
15) 2-Chloronaphthalene	3.518	162	271106	1554.755	ng/ml#	86
17) Acenaphthylene	3.749	152	503267	1863.680	ng/ml	100
19) Acenaphthene	3.847	153	296812	1759.356	ng/ml	94
21) Fluorene	4.136	166	387731	2000.401	ng/ml	97
25) Hexachlorobenzene	4.454	284	116556	1840.180	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-5.D
Acq On : 07 Mar 2025 07:43 pm
Operator : sv119:jg
Sample : WG2037073-5,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 08 15:47:41 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250307RVT\ccv0307.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	4.567	266	34228	1064.544	ng/ml	100
27) Phenanthrene	4.677	178	634333	2018.992	ng/ml	99
28) Anthracene	4.705	178	621964	1974.473	ng/ml	100
29) Fluoranthene	5.353	202	813608	2069.856	ng/ml	98
30) Pyrene	5.482	202	826957	2038.209	ng/ml	100
34) Benzo[a]anthracene	6.195	228	754487	2194.605	ng/ml	100
36) Chrysene	6.219	228	691417	2060.346	ng/ml	100
39) Benzo[b]fluoranthene	7.015	252	706980	2157.538	ng/ml	100
40) Benzo[k]fluoranthene	7.037	252	701623	2171.292	ng/ml	97
41) Benzo[a]pyrene	7.316	252	631955	2272.856	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.574	276	775771	2881.970	ng/ml	99
43) Dibenzo[a,h]anthracene	8.605	278	715584	2865.617	ng/ml	98
44) Benzo[g,h,i]perylene	8.911	276	724113	2826.348	ng/ml	97

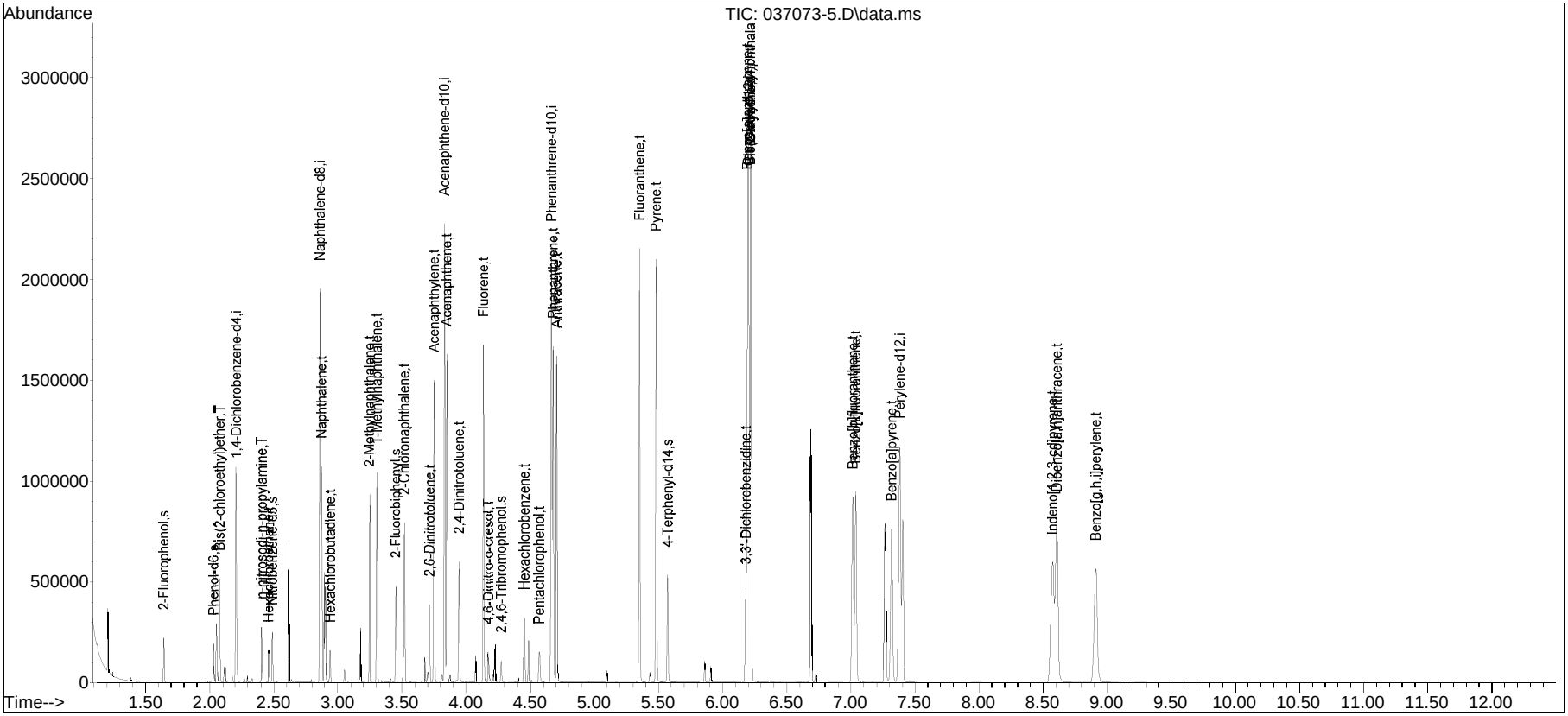
(#) = qualifier out of range (m) = manual integration (+) = signals summed

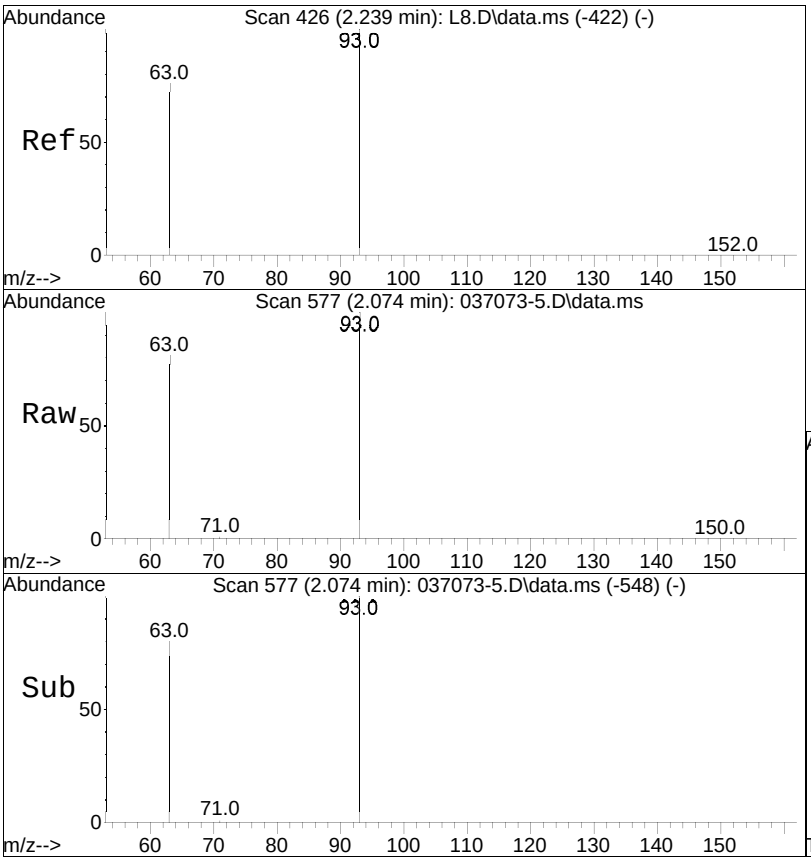
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250307RVT\
Data File : 037073-5.D
Acq On : 07 Mar 2025 07:43 pm
Operator : sv119:jg
Sample : WG2037073-5,32,,HNY
Misc : WG2037750,WG2037073,ical21826
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 08 15:47:41 2025
Quant Method : I:\8270sim\sv119\250307RVT\SIM-RVT_241229_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 07 09:06:25 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0307.D•

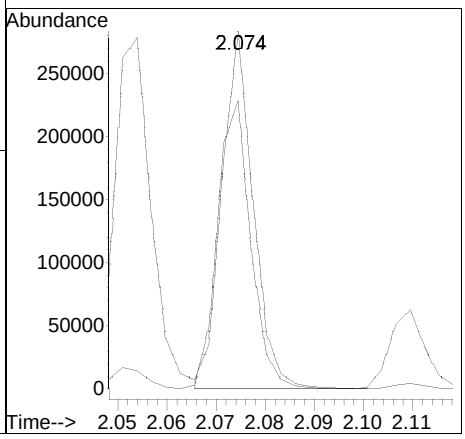


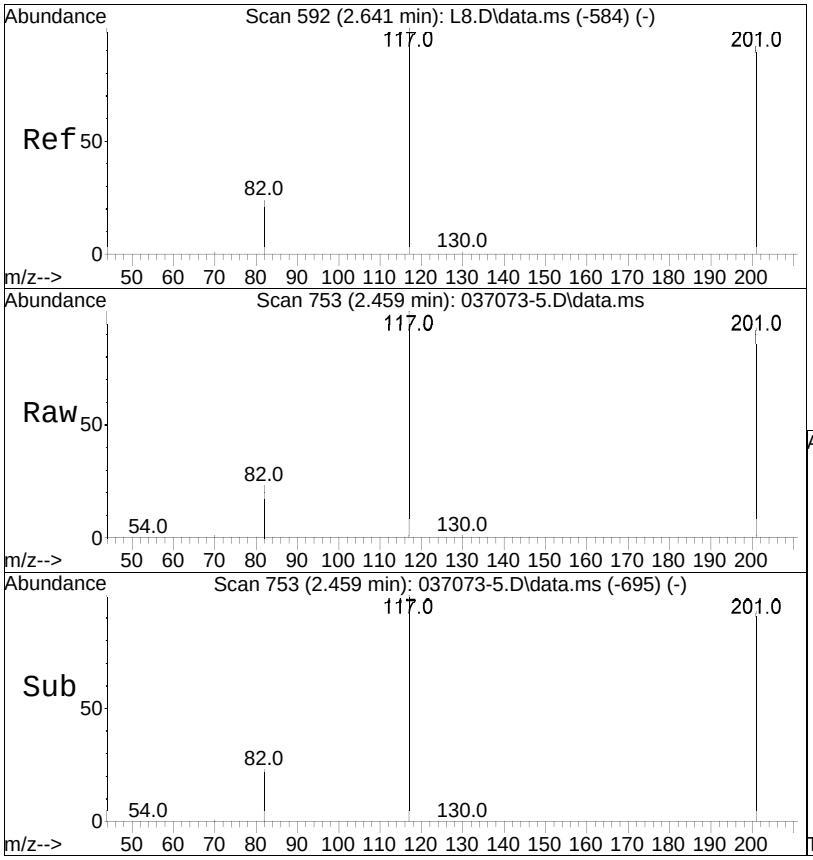


#5
Bis(2-chloroethyl)ether
Concen: 1874.78 ng/ml
RT: 2.074 min Scan# 577
Delta R.T. 0.003 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion: 93 Resp: 125700

Ion	Ratio	Lower	Upper
93	100		
63	85.1	61.7	92.5

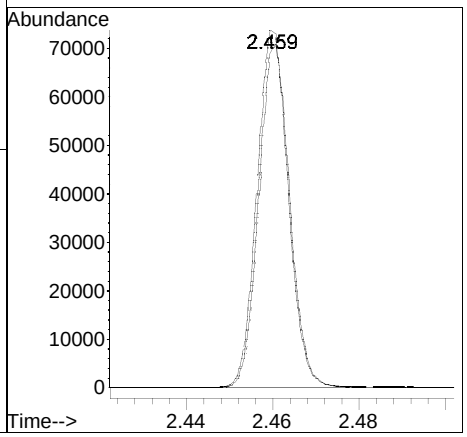


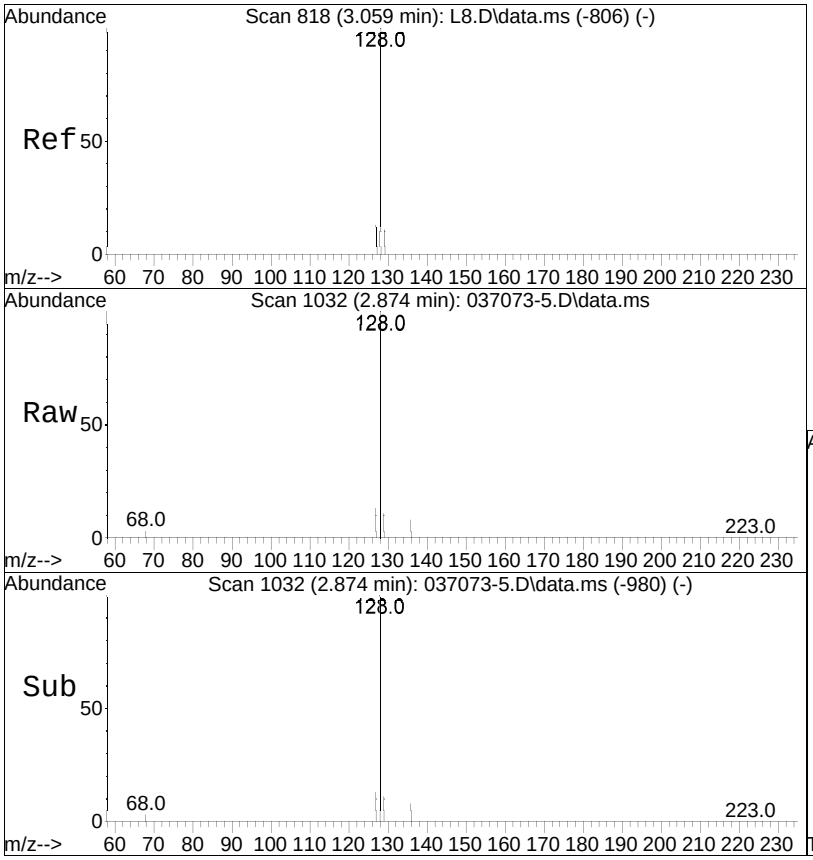


#7
Hexachloroethane
Concen: 1291.72 ng/ml
RT: 2.459 min Scan# 753
Delta R.T. 0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:117 Resp: 36368

Ion	Ratio	Lower	Upper
117	100		
201	95.8	79.3	118.9

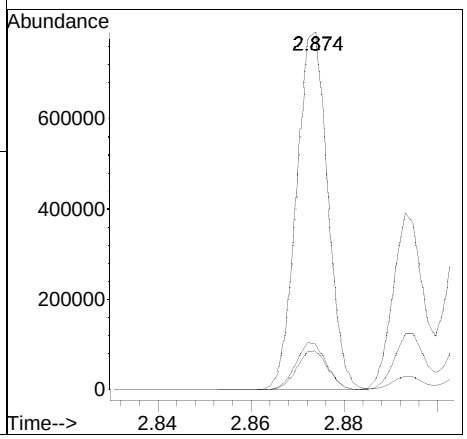


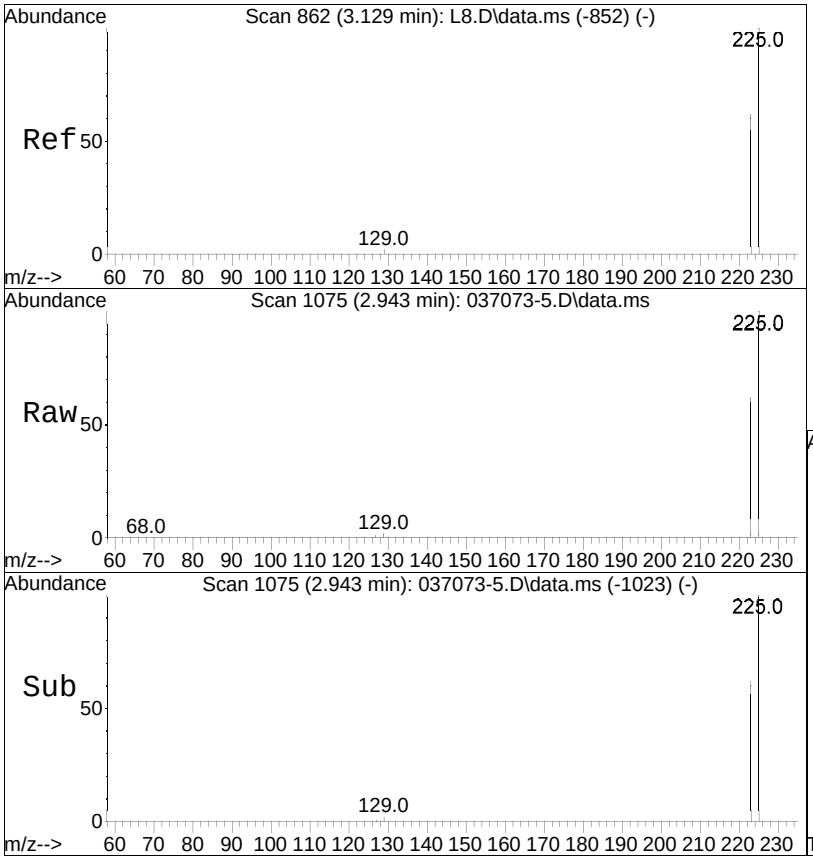


#10
Naphthalene
Concen: 1519.02 ng/ml
RT: 2.874 min Scan# 1032
Delta R.T. 0.004 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:128 Resp: 366999

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.2	10.5	15.7

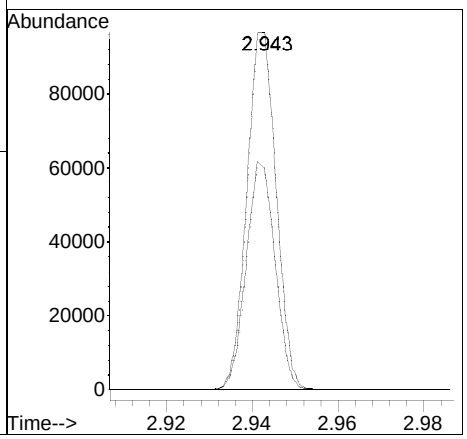


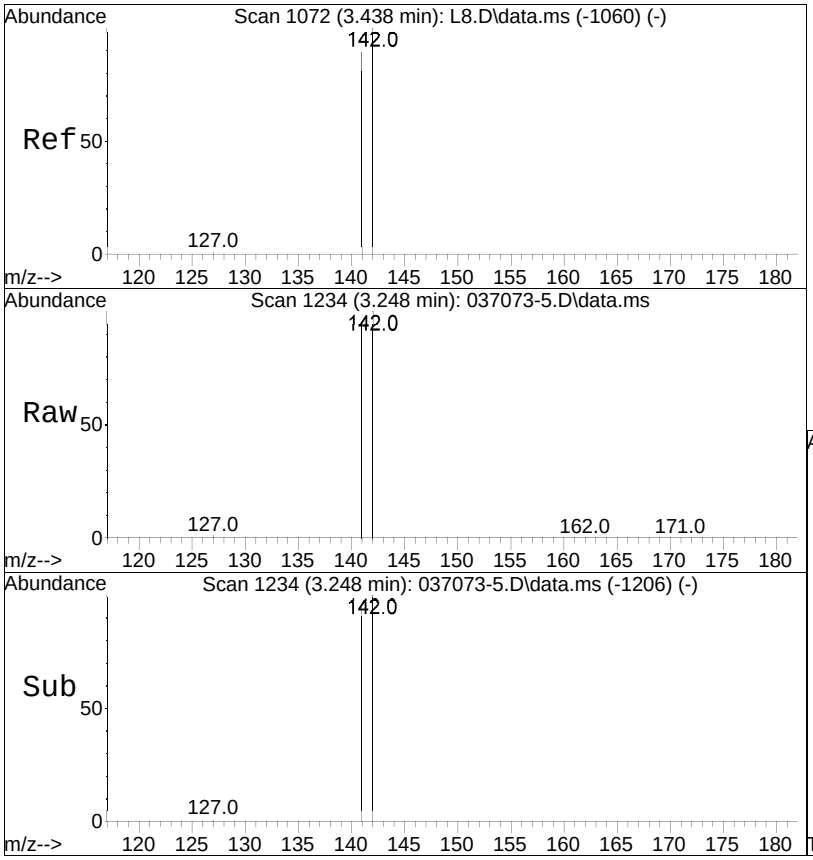


#11
Hexachlorobutadiene
Concen: 1063.32 ng/ml
RT: 2.943 min Scan# 1075
Delta R.T. 0.004 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:225 Resp: 45210

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

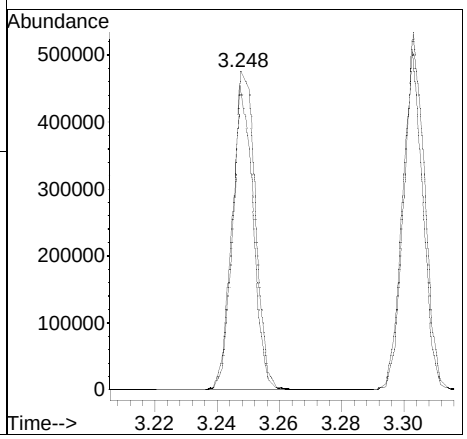


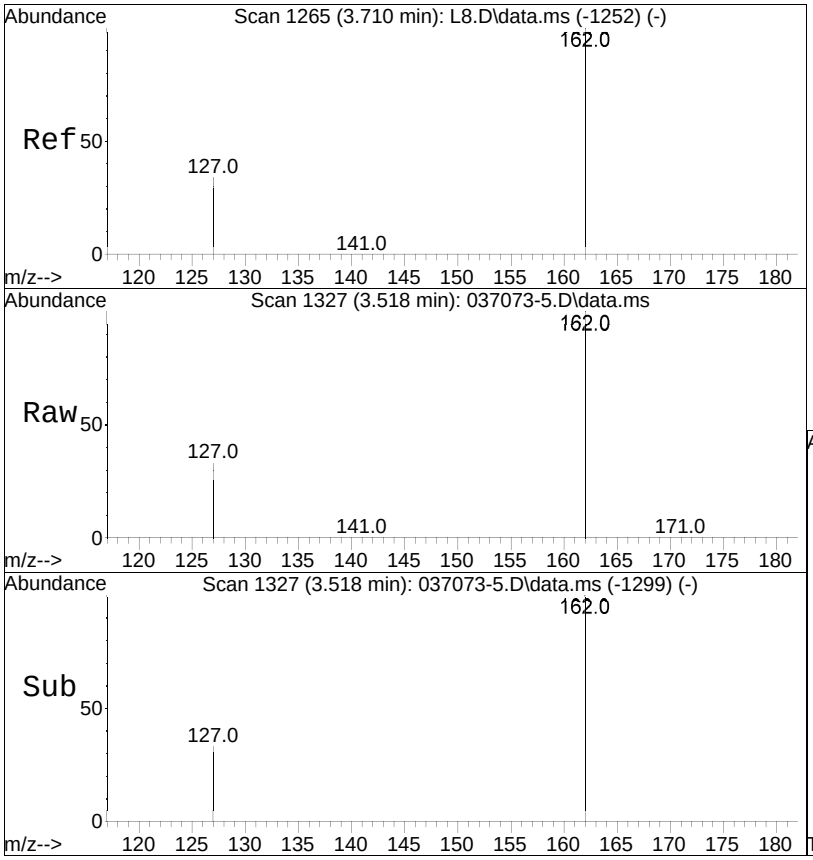


#12
2-Methylnaphthalene
Concen: 1400.80 ng/ml
RT: 3.248 min Scan# 1234
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:142 Resp: 236505

Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9

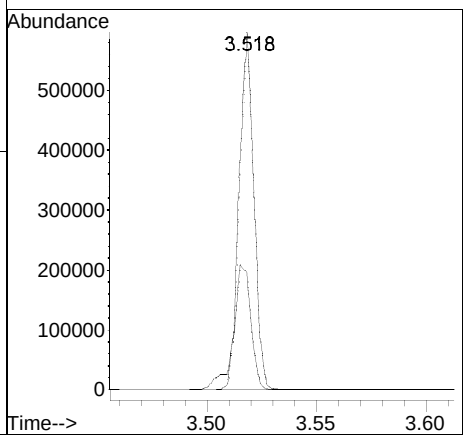


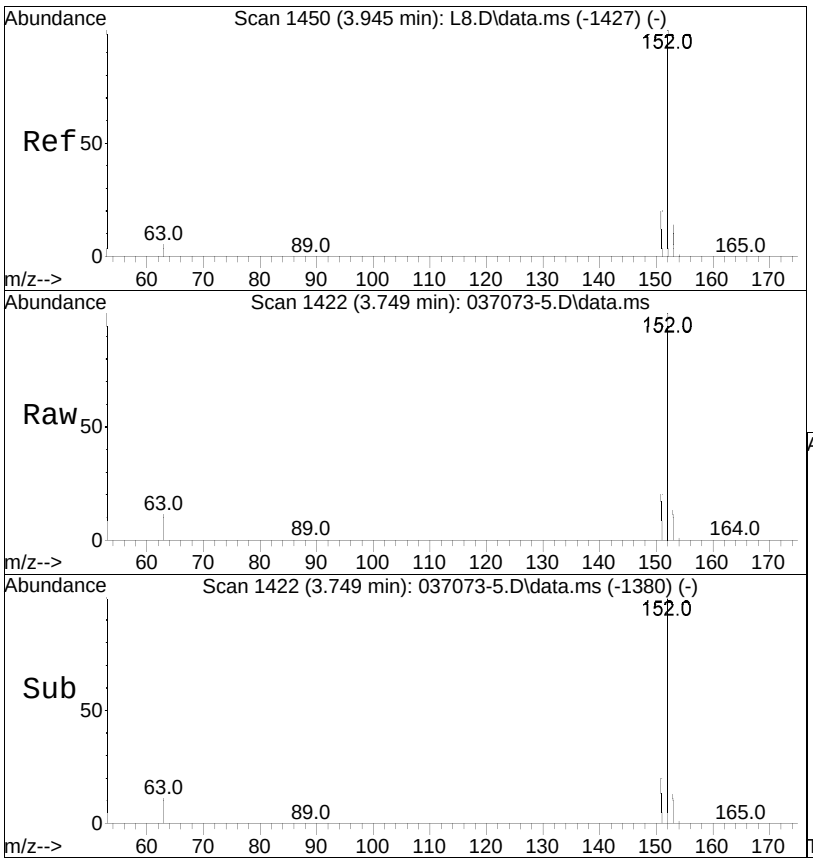


#15
2-Chloronaphthalene
Concen: 1554.75 ng/ml
RT: 3.518 min Scan# 1327
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:162 Resp: 271106

Ion	Ratio	Lower	Upper
162	100		
127	42.5	27.4	41.0#

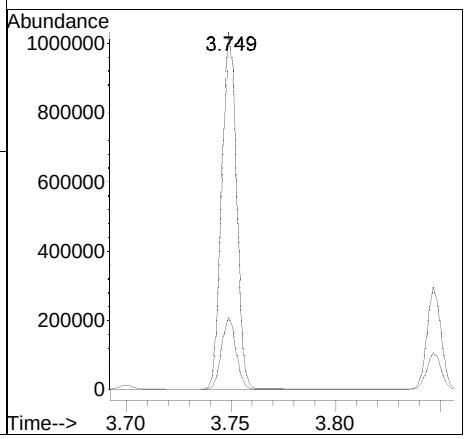


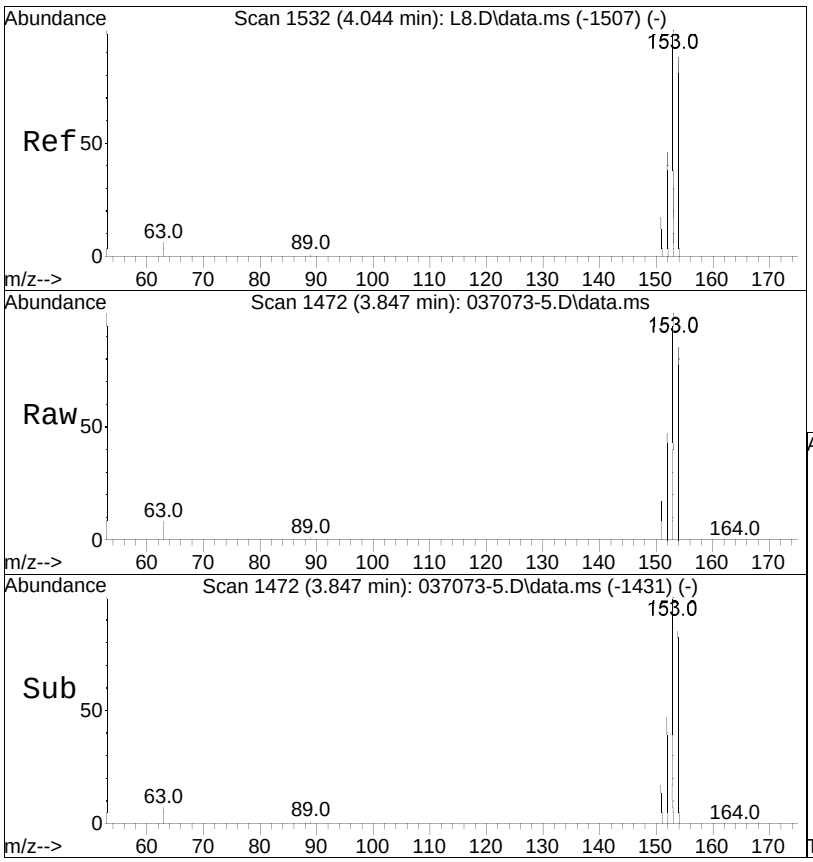


#17
Acenaphthylene
Concen: 1863.68 ng/ml
RT: 3.749 min Scan# 1422
Delta R.T. 0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:152 Resp: 503267

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9

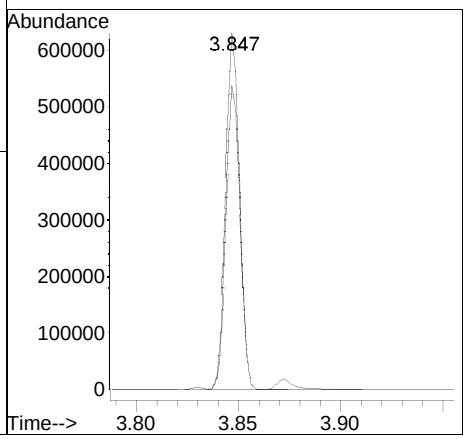


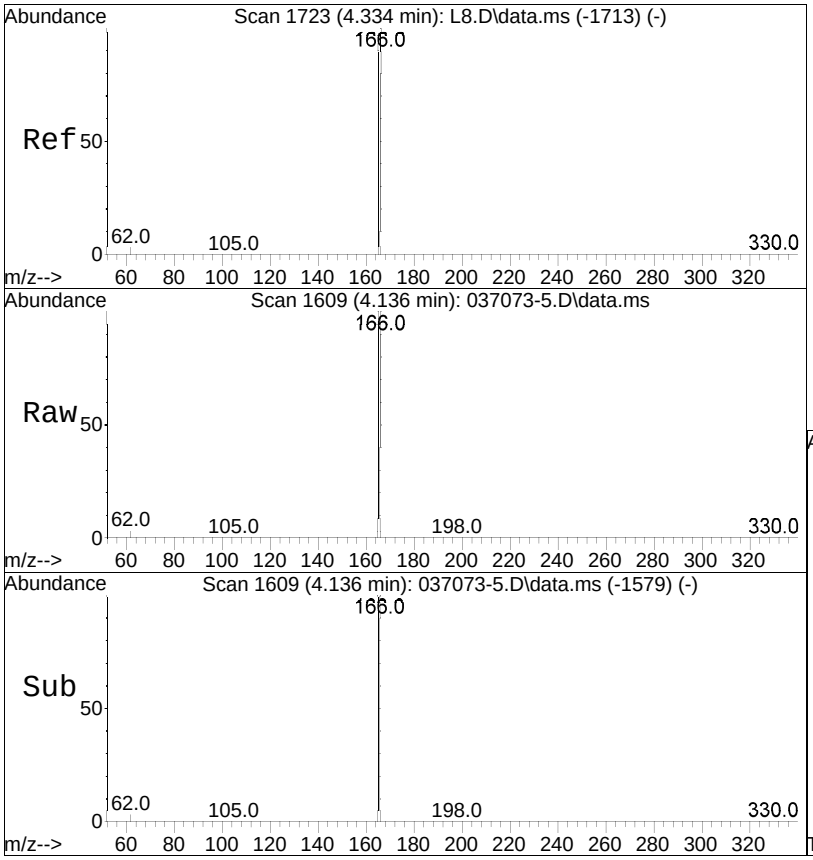


#19
Acenaphthene
Concen: 1759.36 ng/ml
RT: 3.847 min Scan# 1472
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:153 Resp: 296812

Ion	Ratio	Lower	Upper
153	100		
154	85.7	73.1	109.7

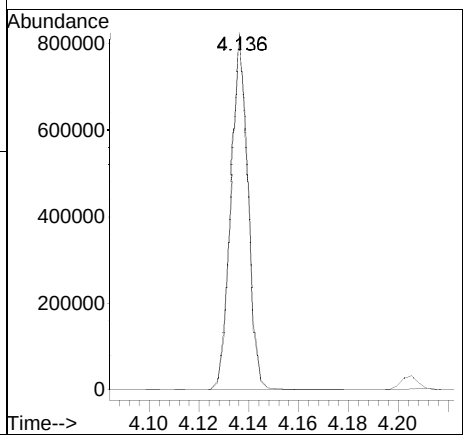


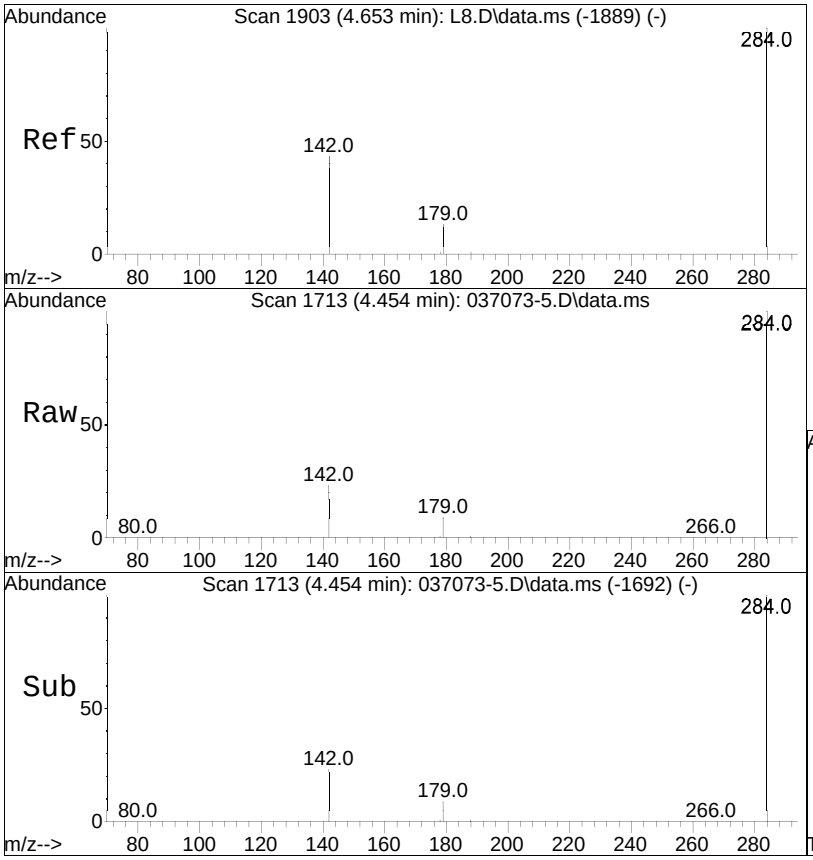


#21
Fluorene
Concen: 2000.40 ng/ml
RT: 4.136 min Scan# 1609
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:166 Resp: 387731

Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.8	116.8

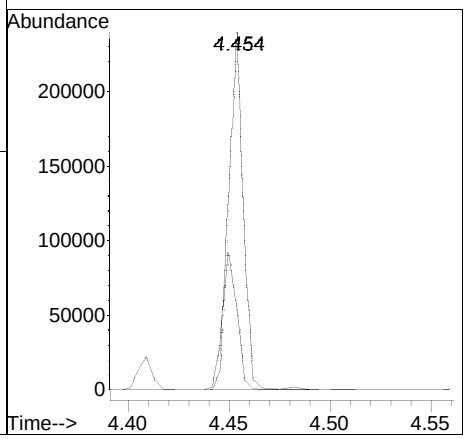


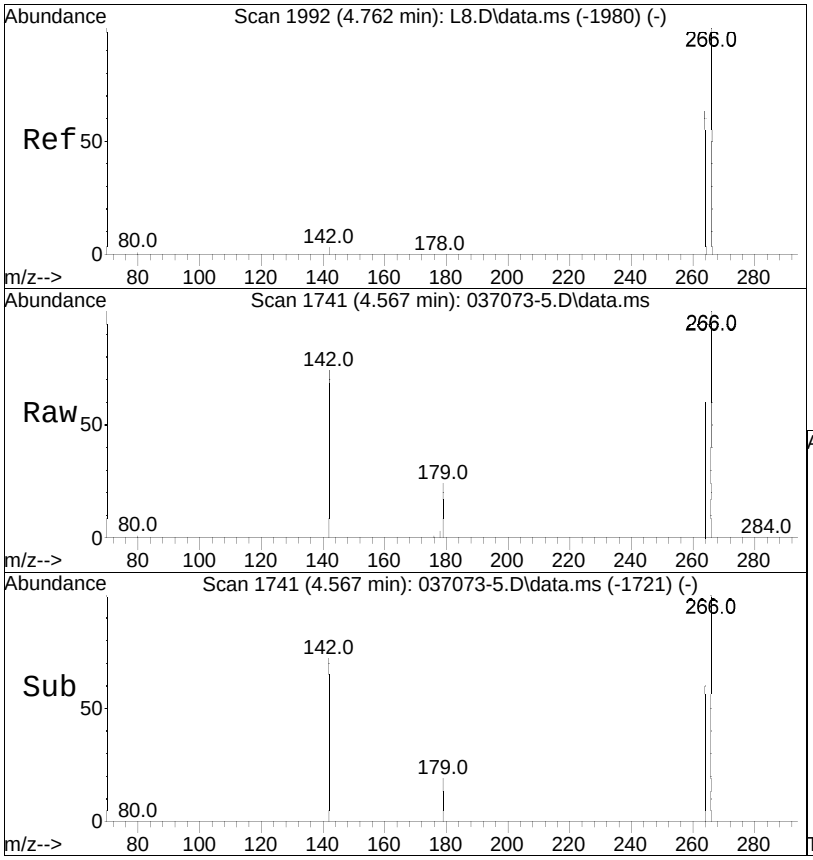


#25
Hexachlorobenzene
Concen: 1840.18 ng/ml
RT: 4.454 min Scan# 1713
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:284 Resp: 116556

Ion	Ratio	Lower	Upper
284	100		
142	39.2	33.8	50.6

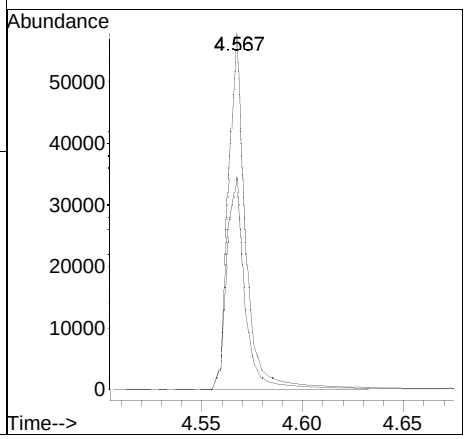


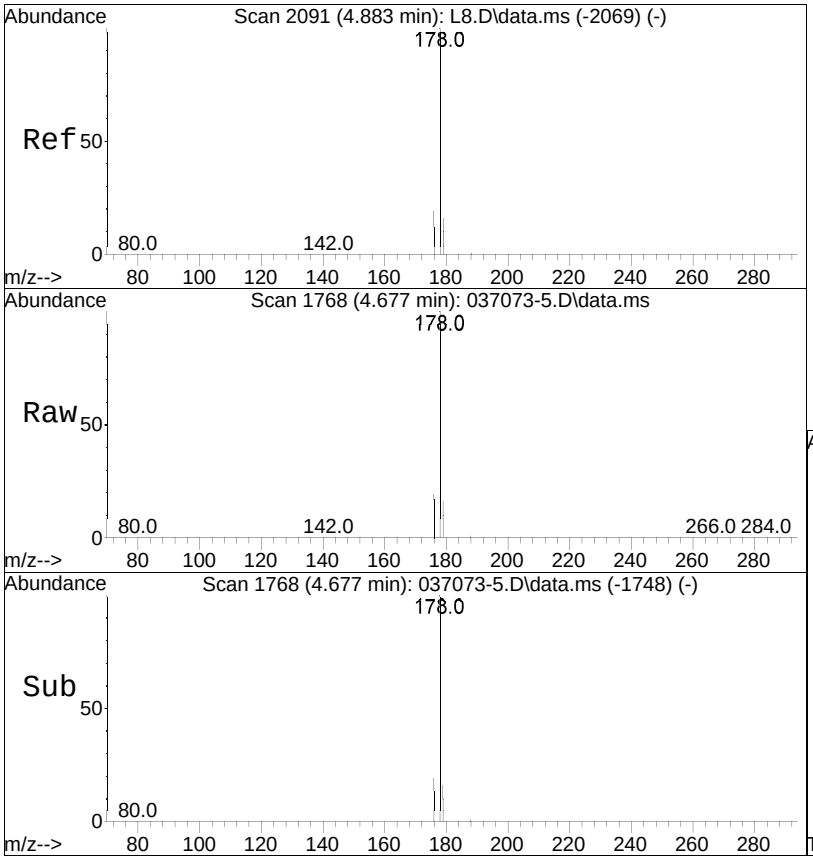


#26
Pentachlorophenol
Concen: 1064.54 ng/ml
RT: 4.567 min Scan# 1741
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:266 Resp: 34228

Ion	Ratio	Lower	Upper
266	100		
264	63.9	50.8	76.2

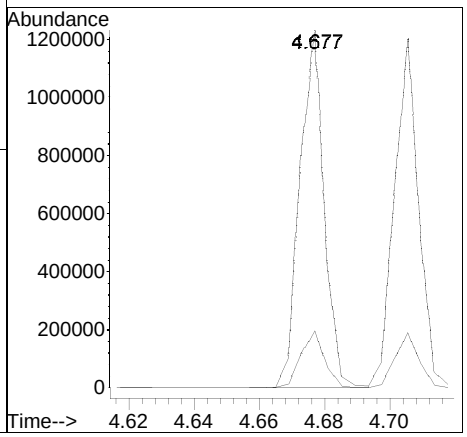


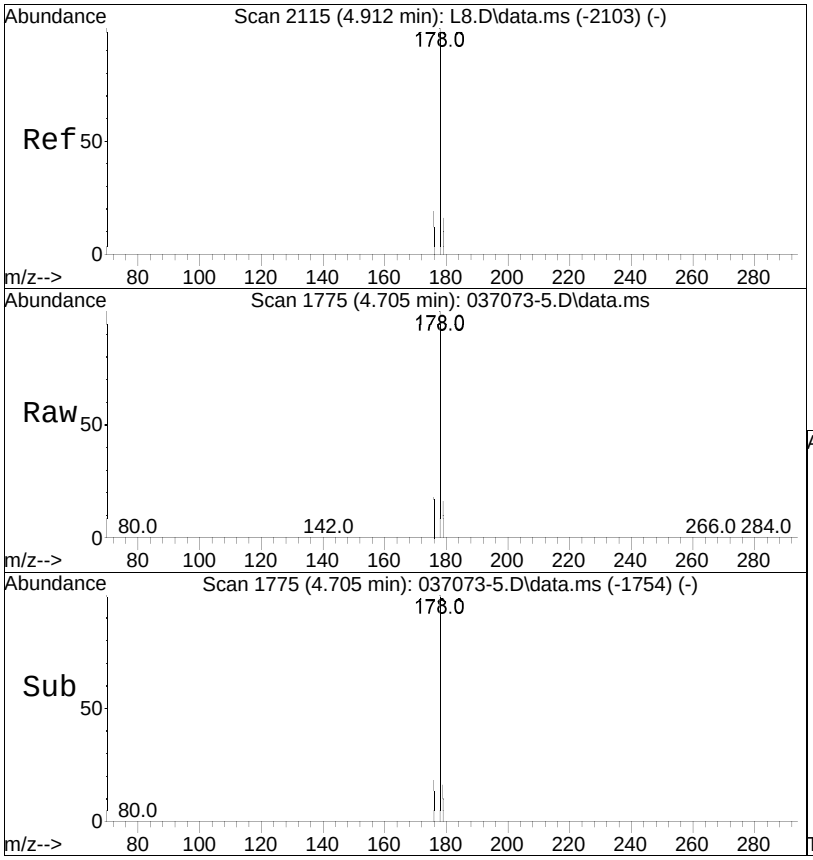


#27
Phenanthrene
Concen: 2018.99 ng/ml
RT: 4.677 min Scan# 1768
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:178 Resp: 634333

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.8	19.2

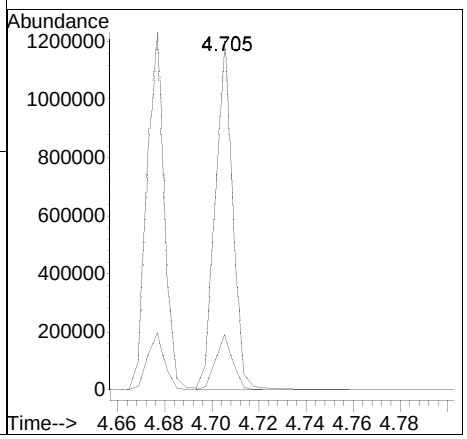


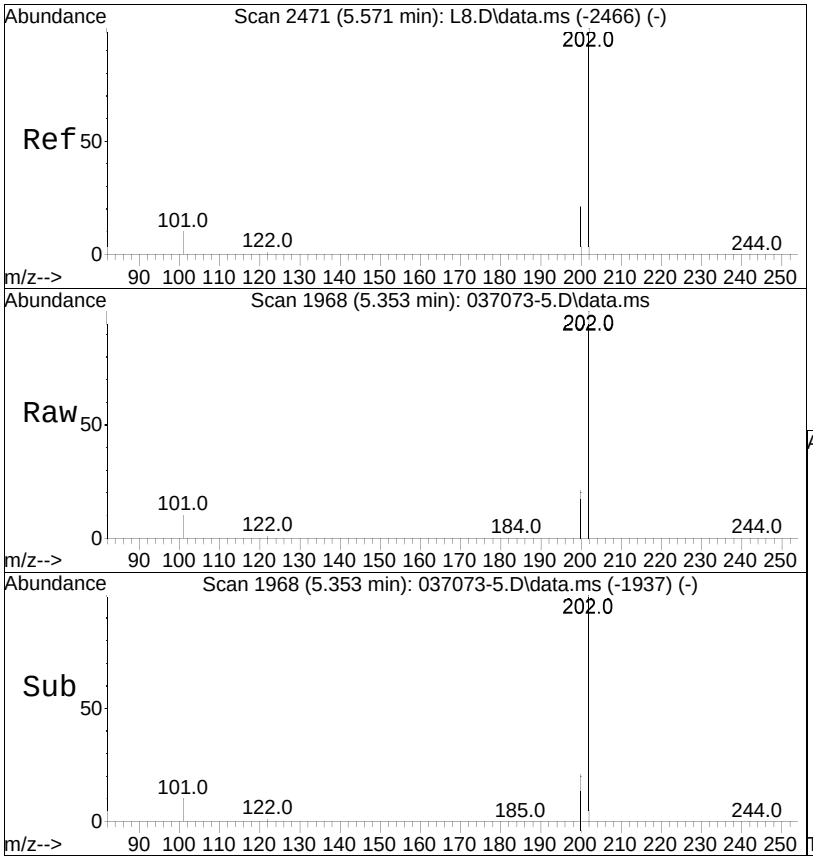


#28
Anthracene
Concen: 1974.47 ng/ml
RT: 4.705 min Scan# 1775
Delta R.T. 0.004 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:178 Resp: 621964

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8

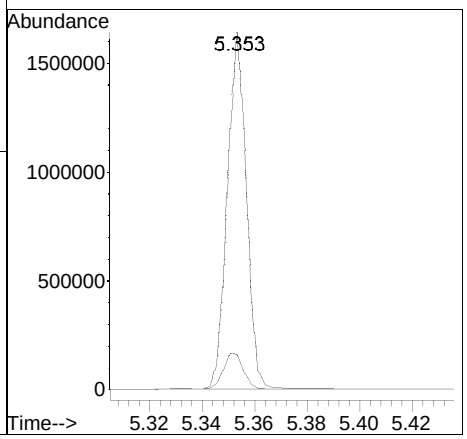


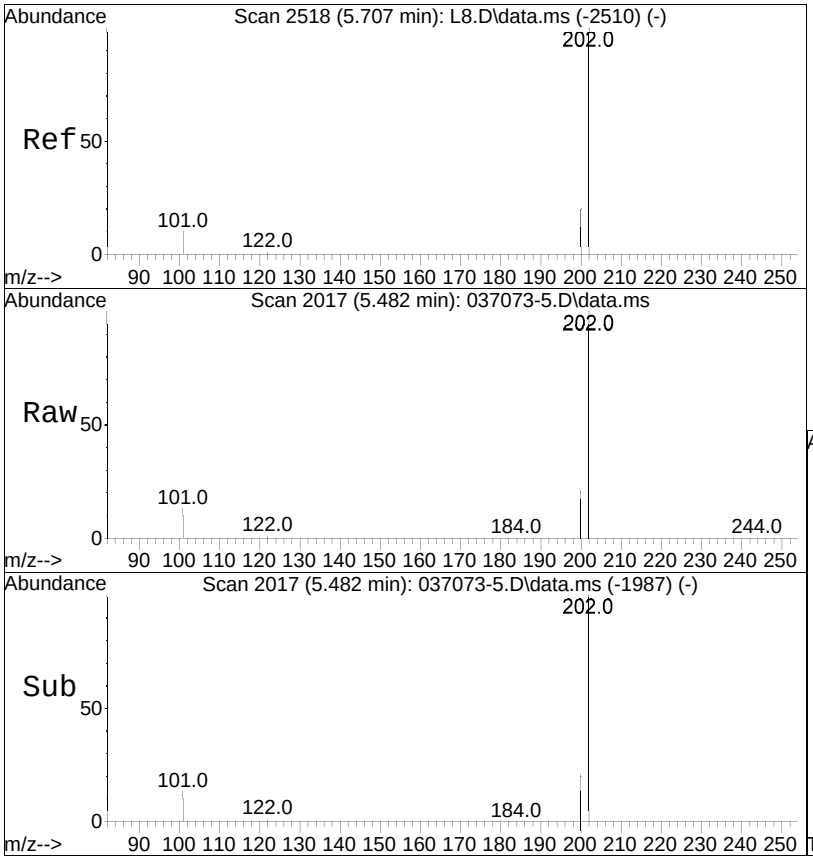


#29
Fluoranthene
Concen: 2069.86 ng/ml
RT: 5.353 min Scan# 1968
Delta R.T. 0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:202 Resp: 813608

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2

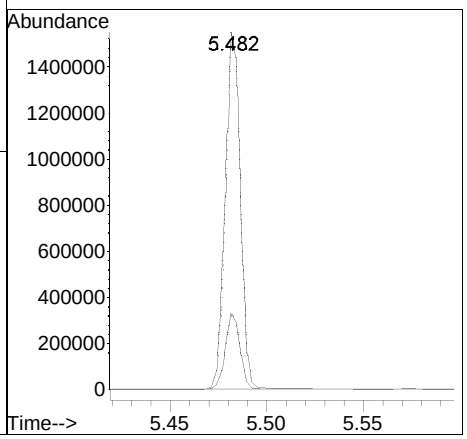


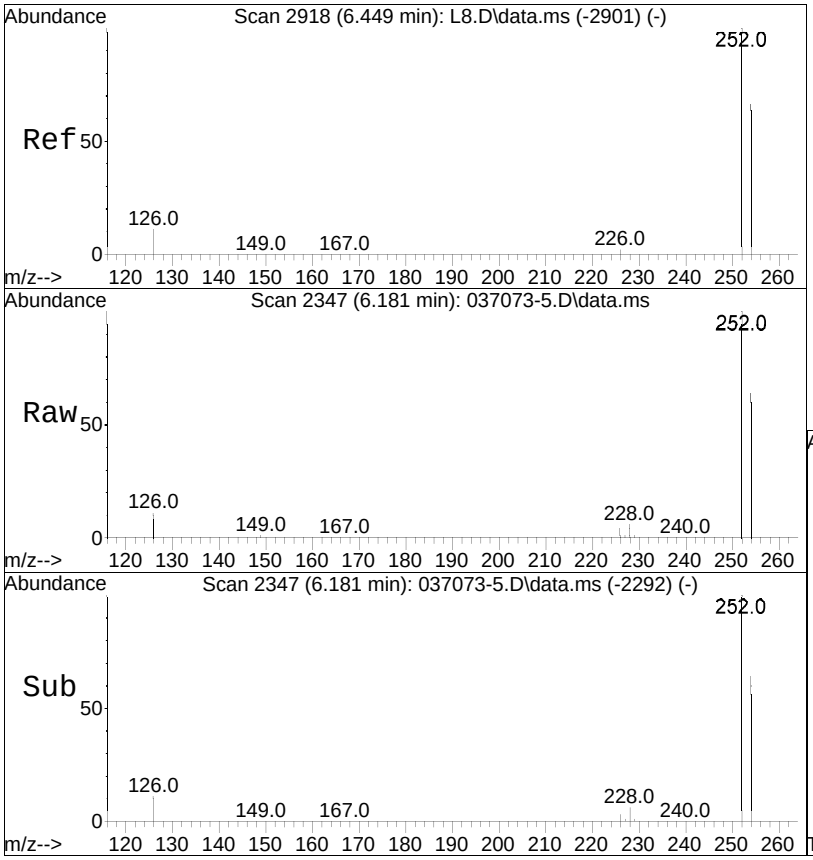


#30
Pyrene
Concen: 2038.21 ng/ml
RT: 5.482 min Scan# 2017
Delta R.T. -0.001 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:202 Resp: 826957

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3

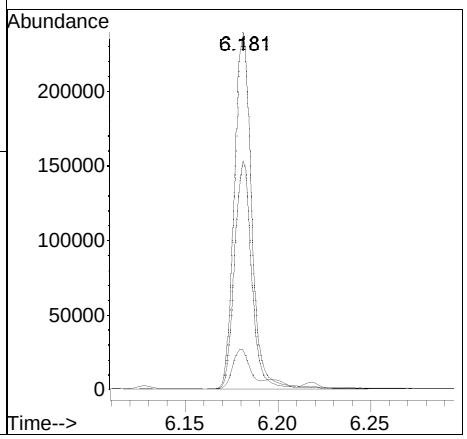


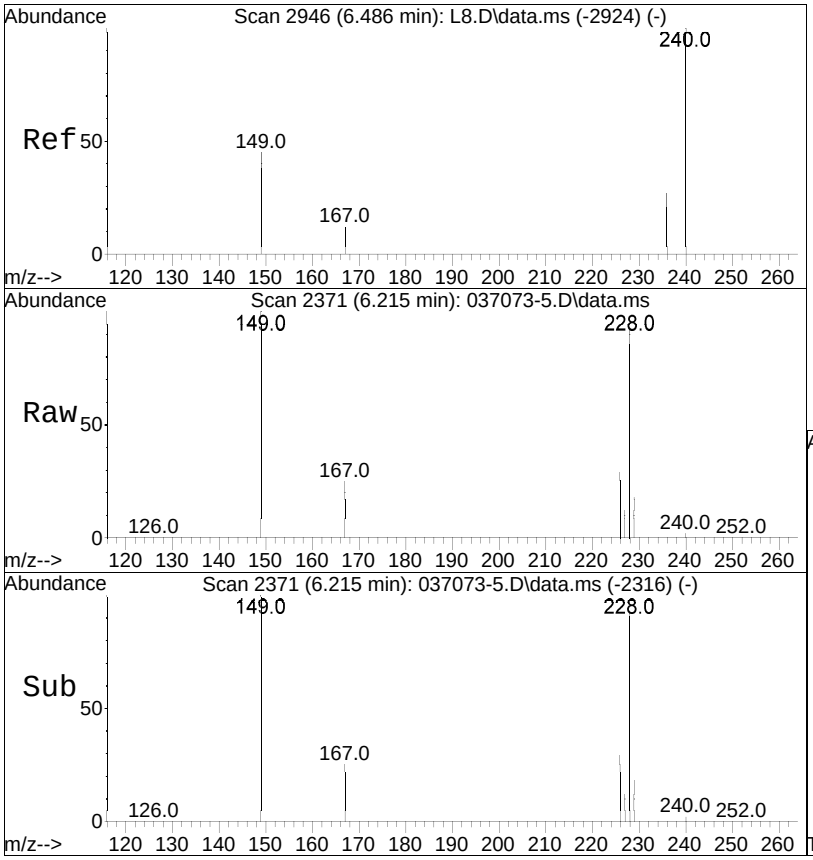


#35
3,3'-Dichlorobenzidine
Concen: 1249.61 ng/ml
RT: 6.181 min Scan# 2347
Delta R.T. -0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:252 Resp: 153904

Ion	Ratio	Lower	Upper
252	100		
126	11.5	8.6	13.0
254	63.7	51.8	77.8

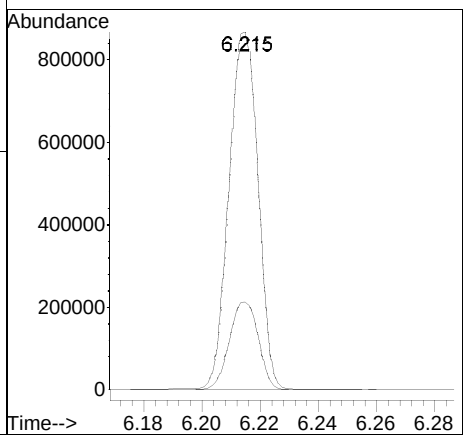


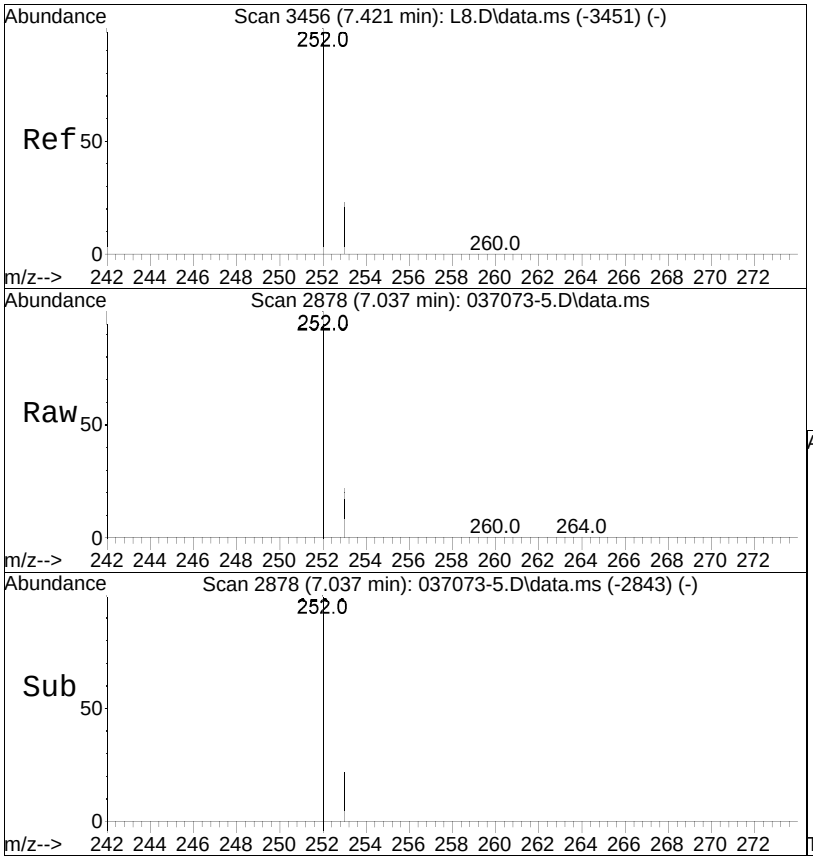


#37
Bis(2-ethylhexyl)phthalate
Concen: 3416.70 ng/ml
RT: 6.215 min Scan# 2371
Delta R.T. -0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:149 Resp: 594817

Ion	Ratio	Lower	Upper
149	100		
167	24.7	20.7	31.1

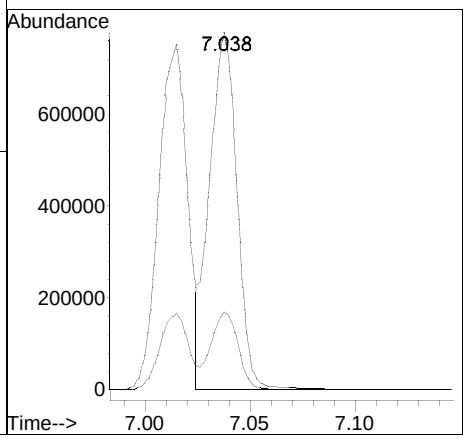


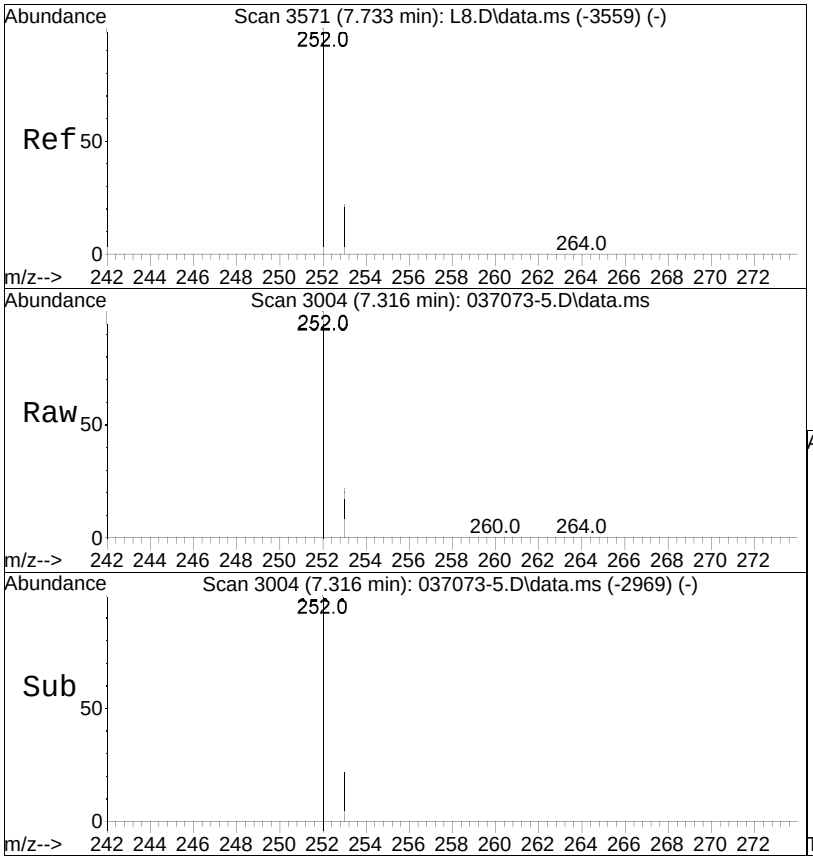


#40
Benzo[k]fluoranthene
Concen: 2171.29 ng/ml
RT: 7.037 min Scan# 2878
Delta R.T. -0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:252 Resp: 701623

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2

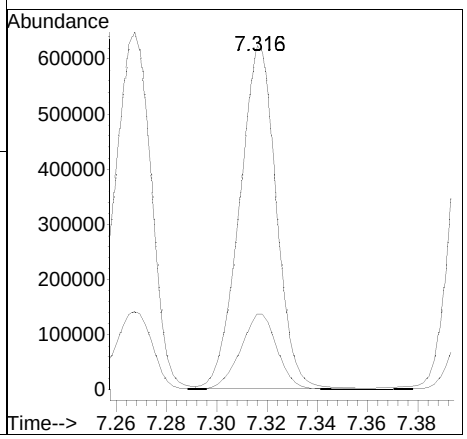


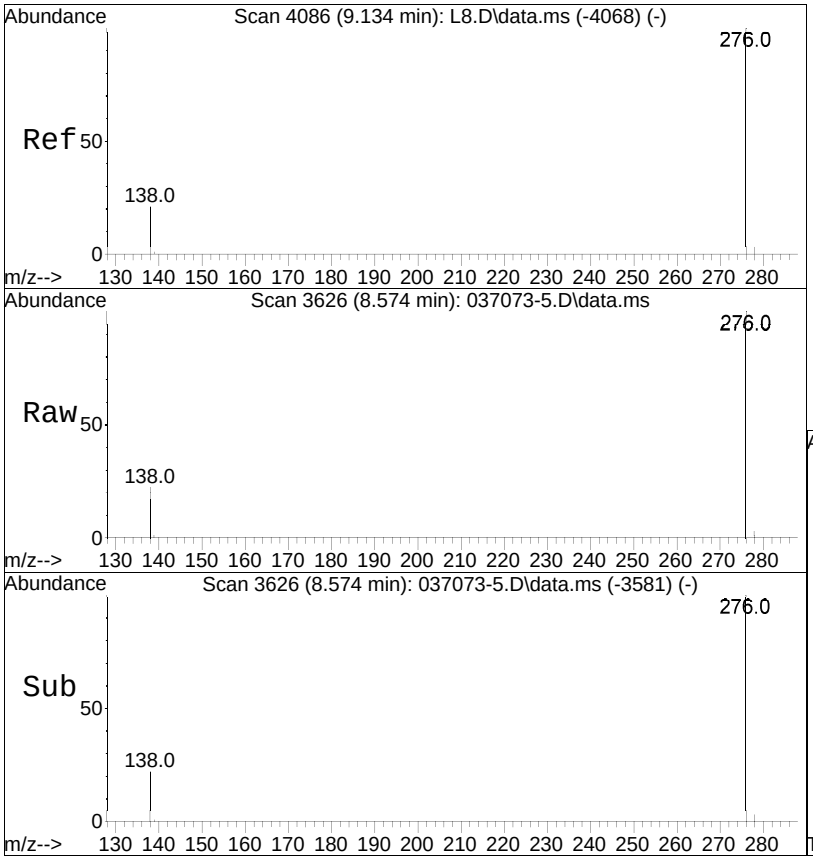


#41
Benzo[a]pyrene
Concen: 2272.86 ng/ml
RT: 7.316 min Scan# 3004
Delta R.T. -0.002 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:252 Resp: 631955

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9

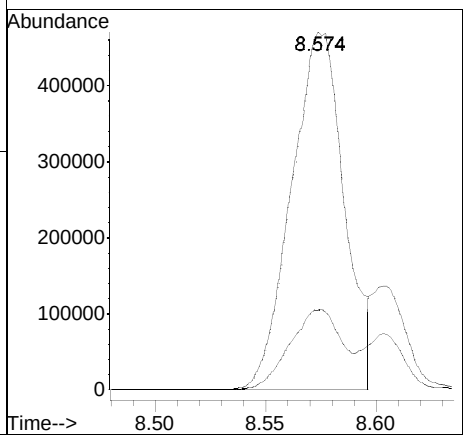


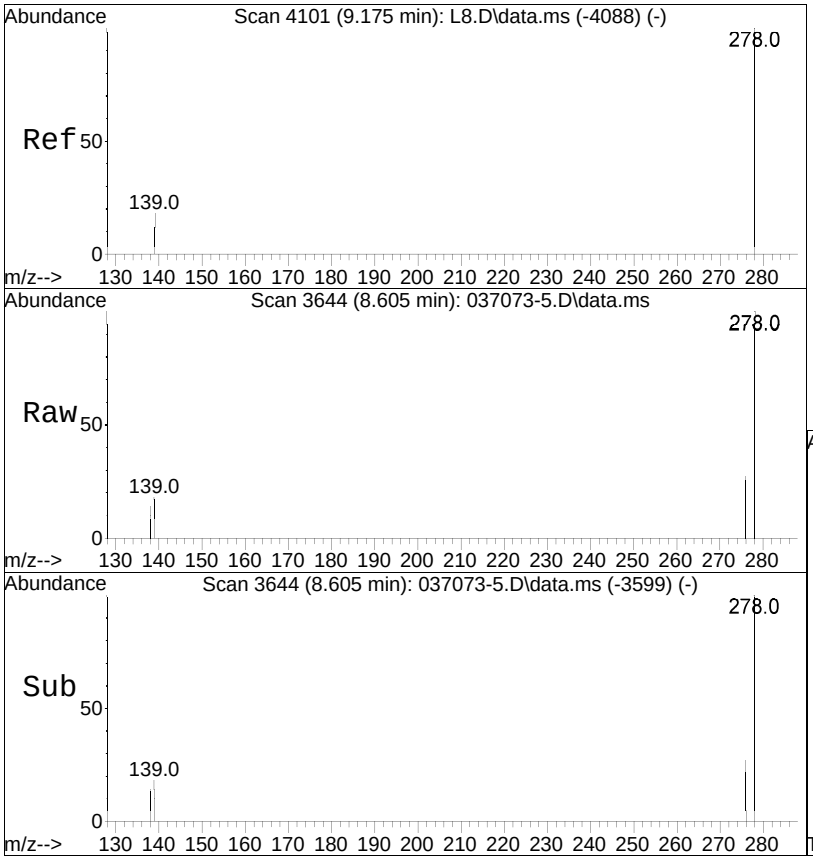


#42
Indeno[1,2,3-cd]pyrene
Concen: 2881.97 ng/ml
RT: 8.574 min Scan# 3626
Delta R.T. -0.001 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:276 Resp: 775771

Ion	Ratio	Lower	Upper
276	100		
138	21.7	16.9	25.3

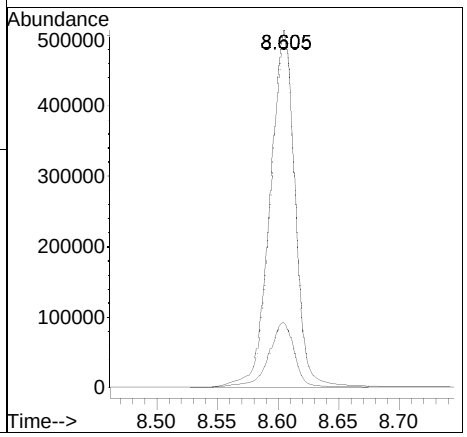


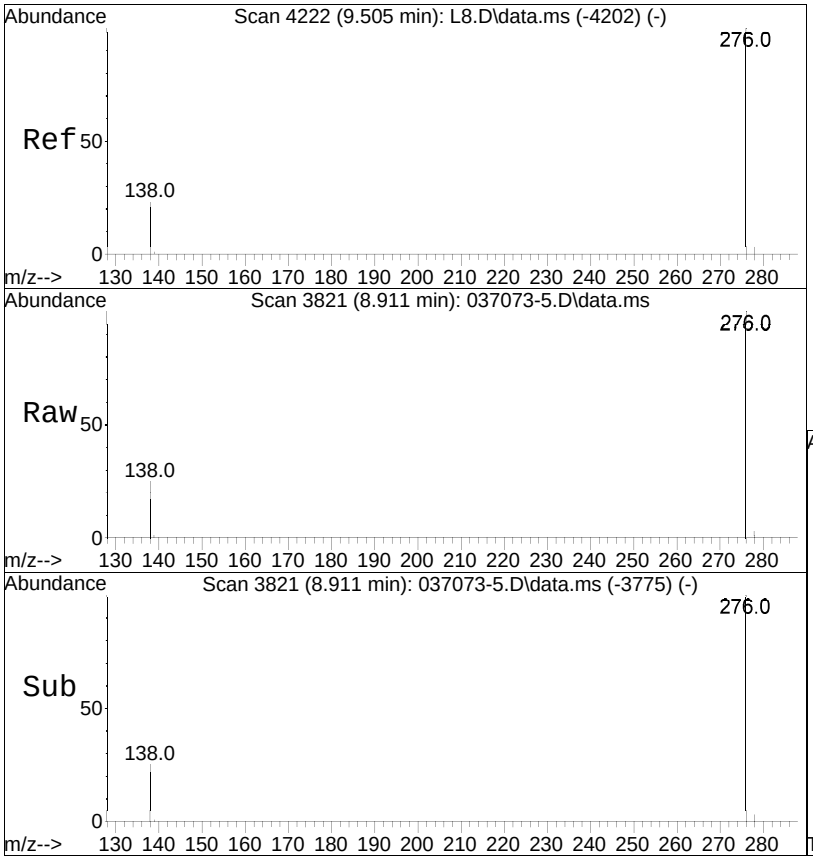


#43
Dibenzo[a,h]anthracene
Concen: 2865.62 ng/ml
RT: 8.605 min Scan# 3644
Delta R.T. -0.001 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:278 Resp: 715584

Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.6	22.0

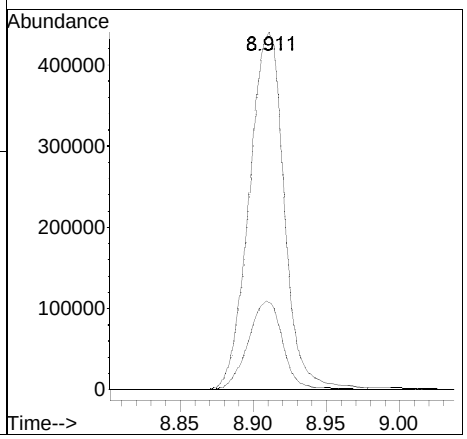




#44
Benzo[g,h,i]perylene
Concen: 2826.35 ng/ml
RT: 8.911 min Scan# 3821
Delta R.T. 0.000 min
Lab File: 037073-5.D
Acq: 07 Mar 2025 07:43 pm

Tgt Ion:276 Resp: 724113

Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.6	28.0



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVT	Method	: SIM-RVT_241229_sv119.M
Data File	: 037073-5.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:43 pm	Instrument	: SV119
Sample	: WG2037073-5,32,,HNY	Quant Date	: 3/7/2025 7:57 pm

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

Manual Integration Report

Data Path	: I:\8270SIM\sv119\250307RVTQ	Method	: SIM-RVT_241229_sv119.M
Data File	: 037073-5.D	Operator	: sv119:jg
Date Inj'd	: 3/7/2025 7:43 pm	Instrument	: SV119
Sample	: WG2037073-5,32,,HNY	Quant Date	: 3/7/2025 7:57 pm

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

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 09:35 am

Work Group: WG2037073 for Department: 2 Organic Preparation

Created: 05-MAR-25 Due: Operator: RSN

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2511013-01	DSW-2025.02.27	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0306	0306	S0	Amber-A.1
L2511034-02	EB_2024-02-27	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0306	0306	S0	Amber-A.1
L2511689-01	TW-3	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511689-02	TW-1	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511689-03	TW-6	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-01	MW-11S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-02	MW-10S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-03	MW-10D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-04	MW-13S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-05	MW-13D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-06	MW-1SR	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-07	MW-10R2	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
L2511944-08	DUP_03042025	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0311	0311	S0	Amber-A.1
WG2037073-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2037073-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2037073-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2037073-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2037073-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2037073-3	WG2037073-2
WG2037073-4	L2511944-06
WG2037073-5	L2511944-06

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Mar 11 2025, 09:35 am

Work Group: WG2038541 for Department: 2 Organic Preparation

Created: 10-MAR-25 Due: Operator: NBD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2511944-09	EQUIPMENT BLANK	C	NYTCL-8270-SIM-RVT	WATER	DONE	U		0311 0311	S0	Amber-A.1
WG2038541-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2038541-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2038541-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2038541-3 WG2038541-2

Dep.: GCMS
Inst: SV119
Date: **12/29/24**
Run:

Method
GC: SIM RVT

Seq: WG2015284
ICAL: ICAL21826

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	TUNE	TUNE				
48	TUNEa	TUNE				
1	L10	IL10,32,, #10885 5000 ng/ml				
2	L9	IL9,32,, #10901 2500 ng/ml				
3	L8	IL8,32,, #10888 1000 ng/ml				
4	L7	IL7,32,, #10889 500 ng/ml				
5	L6	IL6,32,, #11222 100 ng/ml				
6	L5	IL5,32,, #10891 40 ng/ml				
7	L4	IL4,32,, #10892 10 ng/ml				
8	L3	IL3,32,, #10893 5 ng/ml				
9	L2	IL2,32,, #10900 2 ng/ml				
10	L1	IL1,32,, #10895 1 ng/ml				
11	ICV	CQICV,32,, #10884 1000 ng/ml				
12	instblk	instrument blank				

Dep.: GCMS
Inst: SV118
Date: **02/03/25**
Run:

Method
GC: SIM RVT

Seq: WG2028184
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
3	L8scan	IL8,32,, #11281 1000 ng/ml				
48	TUNEa	TUNE				
1	L10	IL10,32,, #11278 5000 ng/ml				
2	L9	IL9,32,, #11280 2500 ng/ml				
3	L8	IL8,32,, #11281 1000 ng/ml				
4	L7	IL7,32,, #11282 500 ng/ml				
5	L6	IL6,32,, #11283 100 ng/ml				
6	L5	IL5,32,, #11284 40 ng/ml				
7	L4	IL4,32,, #11285 10 ng/ml				
8	L3	IL3,32,, #11286 5 ng/ml				
9	L2	IL2,32,, #11287 2 ng/ml				
10	L1	IL1,32,, #11288 1 ng/ml				
11	ICV	QCICV,32,, #11275 1000 ng/ml				
12	instblk	instrument blank			RAP	

Dep.: GCMS
Inst: SV119
Date: **03/06/25**
Run:

Method
GC: SIM RVT

Seq: WG2037227
ICAL: 21826

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0306	wg-1,32,,dftpp SV119 lot# 11457				
48	deg0306a	wg-1,32,,dftpp SV119 lot# 11457				03/06 kmh
49	ccv0306	wg-3,32,,ICV 11275 (0222e)				03/06 kmh
50	blank0306	instrument blank				
1	027088-2	WG2027088-2,32,,(LOQ),kmh				
2	27088-2	WG2027088-2,32,,RV,(LOQ),kmh				
3	035339-1	WG2035339-1,32,,RV,kmh				03/06 kmh
4	036967-1	WG2036967-1,32,,kmh	RV- surr high			03/06 kmh
5	036967-2	WG2036967-2,32,,kmh	RV- compounds high			03/06 kmh
6	036967-3	WG2036967-3,32,,kmh	RV- compounds high			03/06 kmh
7	10898-01	L2510898-01,32,,RE,kmh	RV- low IS			03/06 kmh
8	10898-08	L2510898-08,32,,RE,kmh	RV- low IS			03/06 kmh
9	10898-13	L2510898-13,32,,RE,kmh	RV- low IS			03/06 kmh
10	037144-2	WG2037144-2,32,,kmh				03/06 kmh
11	037144-3	WG2037144-3,32,,kmh				03/06 kmh
12	037144-1	WG2037144-1,32,,kmh				03/06 kmh
13	10425-01	L2510425-01,32,,RE,kmh				03/06 kmh
14	037084-2	WG2037084-2,32,,kmh				03/06 JJW
15	037084-3	WG2037084-3,32,,kmh				03/06 JJW
16	037084-1	WG2037084-1,32,,kmh				03/06 JJW
17	11328-01	L2511328-01,32,,kmh				03/07 RAP
18	11328-02	L2511328-02,32,,kmh				03/07 RAP
19	11328-04	L2511328-04,32,,kmh				03/07 RAP
20	951-06d1	L2510951-06d,32,20,kmh				03/06 JJW
21	11491-05	L2511491-05,32,,kmh				03/07 RAP
22	36967-2	WG2036967-2,32,,RV,kmh				03/06 JJW
23	36967-3	WG2036967-3,32,,RV,kmh				03/06 JJW
24	36967-1	WG2036967-1,32,,RV,kmh				03/06 JJW
25	0898-08	L2510898-08,32,,RV,kmh				03/06 JJW
26	0898-13	L2510898-13,32,,RV,kmh				03/06 JJW
27	0898-01	L2510898-01,32,,RV,kmh			SV-JJW	03/06 JJW
28	11491-06	L2511491-06,32,,kmh				03/07 RAP
29	11565-01	L2511565-01,32,,kmh				03/07 RAP
30	11565-02	L2511565-02,32,,kmh				03/07 RAP
31	11565-03	L2511565-03,32,,kmh			KMH	03/07 RAP
32	10898-14	L2510898-14,32,,RE,jjw	report original			03/06 JJW
33	11944-01	L2511944-01,32,,kmh				3/7jg
34	11944-02	L2511944-02,32,,kmh				3/7jg
35	0898-14	L2510898-14,32,,,jjw,RV				03/06 RAP
36	11944-03	L2511944-03,32,,kmh				3/7jg
37	11944-04	L2511944-04,32,,kmh				3/7jg
38	11944-05	L2511944-05,32,,kmh			JJW	3/7jg
					SV-RAP	

Dep.: GCMS
Inst: SV118
Date: **03/06/25**
Run: a

Method
GC: SIM RVT

Seq: WG2037249
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0306a	wg-1,32,,dftpp SV118 lot #11457				
48	deg0306b	wg-1,32,,dftpp SV118 lot #11457				03/06 JJW
49	ccv0306a	wg-3,32,,ICV 11275 (0222)	full list			03/06 JJW
50	blank0306a	instrument blank				
1	027088-3	WG2027088-3,32,,RV,(LOQ),kmh				03/06 RAP
2	037073-1	WG2037073-1,32,,kmh				03/06 JJW
3	037073-2	WG2037073-2,32,,kmh	RV - compounds high			03/06 JJW
4	037073-3	WG2037073-3,32,,kmh	RV - compounds high			03/06 JJW
5	11034-02	L2511034-02,32,,RE,kmh	RV - low IS			03/06 JJW
6	11013-01	L2511013-01,32,,RE,kmh	RV - low IS			03/06 JJW
7	036867-2	WG2036867-2,32,,kmh				03/07 RAP
8	036867-3	WG2036867-3,32,,kmh				03/07 RAP
9	036867-1	WG2036867-1,32,,kmh				03/07 RAP
10	11436-01	L2511436-01,32,,kmh				03/07 RAP
11	11436-02	L2511436-02,32,,kmh				03/07 RAP
12	11436-03	L2511436-03,32,,kmh				03/07 RAP
13	11436-04	L2511436-04,32,,kmh				03/08 RAP
14	11436-05	L2511436-05,32,,kmh				03/08 RAP
15	036867-4	WG2036867-4,32,,kmh				03/08 RAP
16	036867-5	WG2036867-5,32,,kmh				03/08 RAP
17	37073-2	WG2037073-2,32,,RV,kmh				03/06 JJW
18	37073-3	WG2037073-3,32,,RV,kmh				03/06 JJW
19	1034-02	L2511034-02,32,,RV,kmh				03/06 JJW
20	1013-01	L2511013-01,32,,RV,kmh				03/06 JJW
21	0984-05	L2510984-05,32,,RV,kmh				03/06 JJW
22	11436-06	L2511436-06,32,,kmh				03/08 RAP
23	11436-07	L2511436-07,32,,kmh			SV-JJW	03/08 RAP
24	11436-08	L2511436-08,32,,kmh				03/08 RAP
25	11436-09	L2511436-09,32,,kmh				03/08 RAP
26	11436-10	L2511436-10,32,,kmh				03/08 RAP
27	11436-11	L2511436-11,32,,kmh				03/08 RAP
28	11436-12	L2511436-12,32,,kmh				03/08 RAP
29	11436-13	L2511436-13,32,,kmh				03/08 RAP
30	11436-14	L2511436-14,32,,kmh				03/08 RAP
31	11436-15	L2511436-15,32,,kmh				03/08 RAP
32	11799-01	L2511799-01,32,,kmh				3/8jg
33	11799-02	L2511799-02,32,,kmh				3/8jg
34	11799-03	L2511799-03,32,,kmh				3/8jg
35	11799-04	L2511799-04,32,,kmh				3/8jg
36	11799-10	L2511799-10,32,,kmh				3/8jg
37	11799-11	L2511799-11,32,,kmh				3/8jg
38	11943-01	L2511943-01,32,,kmh				03/09 JJW
39	11943-02	L2511943-02,32,,kmh				03/09 JJW
40	11943-03	L2511943-03,32,,kmh			KMH	03/09 JJW

Dep.: GCMS
Inst: SV118
Date: **03/06/25**
Run: a

Method
GC: SIM RVT

Seq: WG2037249
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
					SV-RAP	

250307 **2025** SV119

Dep.: GCMS
Inst: SV119
Date: **03/07/25**
Run:

Method
GC: SIM RVT

Seq: WG2037750
ICAL: 21826

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0307	wg-1,32,,dftpp SV119 lot# 11413	ion 68			
48	deg0307a	wg-1,32,,dftpp SV119 lot# 11457				03/07 RAP
49	ccv0307	wg-3,32,,ICV 11275 (0222e)	Full list			03/07 RAP
50	blank0307	instrument blank				
1	037616-1	WG2037616-1,32,,HNY				03/07 RAP
2	037616-2	WG2037616-2,32,,HNY				03/07 RAP
3	037616-3	WG2037616-3,32,,HNY				03/07 RAP
4	12664-01	L2512664-01,32,,R3A,HNY				03/07 RAP
5	036590-2	WG2036590-2,32,,RV,HNY				03/07 RAP
6	036590-3	WG2036590-3,32,,RV,HNY			SV-RAP	03/07 RAP
7	037585-2	WG2037585-2,32,,HNY				03/09 JJW
8	037585-3	WG2037585-3,32,,HNY				03/09 JJW
9	037585-1	WG2037585-1,32,,HNY			hny	03/09 JJW
10	11673-03	L2511673-03,32,,HNY				03/09 JJW
11	11673-07	L2511673-07,32,,HNY				03/09 JJW
12	11791-01	L2511791-01,32,,HNY				03/09 JJW
13	037585-4	WG2037585-4,32,,HNY				
14	037585-5	WG2037585-5,32,,HNY				
15	037576-2	WG2037576-2,32,,HNY				03/09 JJW
16	037576-3	WG2037576-3,32,,HNY				03/09 JJW
17	037576-1	WG2037576-1,32,,HNY				03/09 JJW
18	037576-4	WG2037576-4,32,,HNY				
19	037576-5	WG2037576-5,32,,HNY				
20	11893-01	L2511893-01,32,,HNY	RX <10 MS/MSD do not confirm			cmm 3/8
21	11893-02	L2511893-02,32,,HNY				03/09 JJW
22	11893-03	L2511893-03,32,,HNY				03/09 JJW
23	11893-04	L2511893-04,32,,HNY				03/09 JJW
24	11844-09	L2511844-09,32,,HNY				3/8jg
25	11844-14	L2511844-14,32,,HNY				3/8jg
26	11844-15	L2511844-15,32,,HNY				3/8jg
27	11844-16	L2511844-16,32,,HNY				3/8jg
28	11844-18	L2511844-18,32,,HNY				3/8jg
29	11844-19	L2511844-19,32,,HNY				3/8jg
30	11844-20	L2511844-20,32,,HNY				3/8jg
31	11844-21	L2511844-21,32,,HNY				3/8jg
32	11689-01	L2511689-01,32,,HNY				3/8jg
33	11689-03	L2511689-03,32,,HNY				3/8jg
34	11944-06	L2511944-06,32,,HNY				3/8jg
35	037073-4	WG2037073-4,32,,HNY				3/8jg
36	037073-5	WG2037073-5,32,,HNY				3/8jg
37	11944-07	L2511944-07,32,,HNY				3/8jg
38	11944-08	L2511944-08,32,,HNY				3/8jg
39	11944-09	L2511944-09,32,,HNY	RR -OTT			03/08 RAP
40	05681-32	L2505681-32,32,,HNY	RR - OTT		hny	03/08 RAP

250307 **2025** SV119

Dep.: GCMS
Inst: SV119
Date: **03/07/25**
Run:

Method
GC: SIM RVT

Seq: WG2037750
ICAL: 21826

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
					SV-RAP	

Dep.: GCMS
Inst: SV119
Date: **03/10/25**
Run:

Method
GC: SIM RVT

Seq: WG2038430
ICAL: 21826

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0310	wg-1,32,,dftpp SV119 lot# 11413				03/10 DV
49	ccv0310	wg-3,32,,ICV 11275 (0309)				03/10 DV
50	blank0310	instrument blank				
1	038227-1	WG2038227/6-1,32,,kmh				03/10 DV
2	038227-2	WG2038227/6-2,32,,kmh				03/10 DV
3	038227-3	WG2038227/6-3,32,,kmh				03/10 DV
4	11796-43	L2511796-43,32,,kmh				03/10 DV
5	038205-2	WG2038205-2,32,,kmh				
6	038205-3	WG2038205-3,32,,kmh				
7	038205-1	WG2038205-1,32,,kmh	RV, low acids			03/10 DV
8	12325-01	L2512325-01,32,,kmh				03/10 DV
9	038205-4	WG2038205-4,32,,kmh				03/10 DV
10	038205-5	WG2038205-5,32,,kmh				03/10 DV
11	12325-02	L2512325-02,32,,kmh	RX MB low acids			03/10 DV
12	12325-03	L2512325-03,32,,kmh	RX MB low acids			03/10 DV
13	12325-04	L2512325-04,32,,kmh	RX MB low acids			03/10 DV
14	12325-05	L2512325-05,32,,kmh	RX MB low acids			03/10 DV
15	12325-06	L2512325-06,32,,kmh	RX MB low acids			03/10 DV
16	12325-07	L2512325-07,32,,kmh	RX MB low acids			03/10 DV
17	12325-08	L2512325-08,32,,kmh	RX MB low acids			03/10 DV
18	038405-2	WG2038405-2,32,,kmh				03/10 DV
19	038405-3	WG2038405-3,32,,kmh				03/10 DV
20	038405-1	WG2038405-1,32,,kmh			kmh/Sv-	03/10 DV
21	38205-1r	WG2038205-1,32,,dv RV	low acids, RX WG			03/10 DV
22	11908-04	L2511908-04,32,,kmh				03/10 DV
23	12325-09	L2512325-09,32,,kmh	RX MB low acids			03/10 DV
24	12117-01	L2512117-01,32,,kmh	RV low IS			03/10 DV
25	12218-02	L2512218-02,32,,kmh	RV low IS			03/10 DV
26	12218-03	L2512218-03,32,,kmh	RV low IS			03/10 DV
27	12218-04	L2512218-04,32,,kmh	RV low IS		dv/SV-J.	03/10 DV
28	12223-05	L2512223-05,32,,kmh				03/10 DV
29	038541-2	WG2038541/442-2,32,,jjw				03/10 DV
30	038541-3	WG2038541/442-3,32,,jjw				03/10 DV
31	038541-1	WG2038541/442-1,32,,jjw				03/10 DV
32	11944-09	L2511944-09,32,,RE,jjw				03/10 DV
33	12223-06	L2512223-06,32,,kmh				03/10 DV
34	037234-2	WG2037234-2,32,,kmh				
35	037234-3	WG2037234-3,32,,kmh				
36	037234-1	WG2037234-1,32,,kmh				
37	12000-01	L2512000-01,32,,kmh				
38	12000-02	L2512000-02,32,,kmh				
39	12000-03	L2512000-03,32,,kmh				
40	12000-04	L2512000-04,32,,kmh			JJW	
					sv-DV	

ORGANIC ELN REPORT

Workgroup: WG2037073

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: RSN
Lims Spikelot: 8270-RVT

Lot #: EJ756
Lot #: 11269cd,06/20/2025,4c,7,1
Lot #: 11219ao,06/19/2025, 11220AI,(

Additional Reagents/Stds

H2SO4	A010625
Na2SO4	23K2961078
NaOH	10NNaOH010625

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ756

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
L2511013-01 WATER	03/05/25 18:27	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511034-02 SAMP	03/05/25 18:27	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511689-01 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511689-02 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511689-03 SAMP	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-01 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K

Reported: 11-MAR-25 09:35 AM

ORGANIC ELN REPORT

Workgroup: WG2037073

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
L2511944-02 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-03 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-04 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-05 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-06 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
L2511944-07 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-08 WATER	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K
L2511944-09	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1		03/05/25 23:57	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG2037073

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
WG2037073-1 BLANK	03/05/25 16:58 **WG2037072**	Richard Nyarko	100	<2, >12	.1		03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037073-2 LCS	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037073-3 LCSD	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037073-4 MS	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K
WG2037073-5 MSD	03/05/25 16:58	Richard Nyarko	100	<2, >12	.1	.1	03/05/25 23:26	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG2038541

Prep Method: EPA 3510C
Solvent Type: DCM — **Lot #:** EJ756
Surrogate Type: ABN — **Lot #:** 11378ab,08/11/2025,2c,7,7
Spike Type: ABN-SIM — **Lot #:** 11219au-061925, 11220af,03/3
Spike Verify by: NBD
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A010625
Na2SO4	23K2961078
NaOH	10NNaOH010625

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ756

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2511944-09 WATER	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1		03/10/25 11:51	Grace Tran	1	K
WG2038541-1 BLANK	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1		03/10/25 11:51	Grace Tran	1	K
	WG2038441,WG2038442,WG2038540,WG2038541									
WG2038541-2 LCS	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1	.1	03/10/25 11:51	Grace Tran	1	K
WG2038541-3 LCSD	03/10/25 11:13	Nicholas Dunn	100	<2, >12	.1	.1	03/10/25 11:51	Grace Tran	1	K

Reported: 11-MAR-25 09:35 AM

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 22:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0264	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	26.8	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0092	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	9.45	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.13	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	4.03	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 22:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0420	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	7.99	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	3.08	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0060	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.14	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	4.42	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-03	Date Collected	: 03/04/25 15:20
Client ID	: MW-10D	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/10/25 22:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DHL
Lab File ID	: WG2038403.pdf	Instrument ID	: TRACE7
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0051	0.0100	0.0021	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	18.7	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0552	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	2.33	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0306	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.861	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	6.01	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-04	Date Collected	: 03/04/25 13:55
Client ID	: MW-13S	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/10/25 23:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DHL
Lab File ID	: WG2038403.pdf	Instrument ID	: TRACE7
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0791	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	86.8	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	19.5	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0031	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.74	2.50	0.237	
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	3.85	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0069	0.0050	0.0021	

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 23:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0256	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	10.6	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.08	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.11	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	14.6	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 22:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0242	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	19.2	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.92	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.15	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	6.20	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 23:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0222	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	9.90	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	0.0018	0.0200	0.0017	J
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	1.93	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.64	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0332	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.972	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	8.50	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0041	0.0050	0.0021	J

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 23:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0242	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	19.0	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.95	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.15	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	6.43	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-09	Date Collected	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/10/25 23:23
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DHL
Lab File ID	: WG2038403.pdf	Instrument ID	: TRACE7
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038531-1	**Date Collected**	: NA
Client ID	: WG2038531-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 22:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038531-6	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 03/10/25 22:31
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2038403.pdf	**Instrument ID**	: TRACE7
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Dissolved	19.6	0.500	0.175	
7439-95-4	Magnesium, Dissolved	4.88	0.500	0.077	

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Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/10/25 23:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0942	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0283	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	31.5	0.100	0.0350	
7440-47-3	Chromium, Total	0.0026	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0025	0.0100	0.0022	J
7439-89-6	Iron, Total	0.181	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	9.90	0.100	0.0153	
7439-96-5	Manganese, Total	0.0172	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.05	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	4.48	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0027	0.0050	0.0021	J

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Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-02	Date Collected	: 03/04/25 15:40
Client ID	: MW-10S	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/11/25 00:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: TAA
Lab File ID	: WG2038651.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.976	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0510	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	9.48	0.100	0.0350	
7440-47-3	Chromium, Total	0.0031	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0042	0.0100	0.0022	J
7439-89-6	Iron, Total	1.62	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.44	0.100	0.0153	
7439-96-5	Manganese, Total	0.142	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0024	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.18	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	4.77	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	0.0030	0.0100	0.0020	J
7440-66-6	Zinc, Total	0.0049	0.0050	0.0021	J

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Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-03	Date Collected	: 03/04/25 15:20
Client ID	: MW-10D	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/11/25 00:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: TAA
Lab File ID	: WG2038651.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.275	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0065	0.0100	0.0021	J
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	22.8	0.100	0.0350	
7440-47-3	Chromium, Total	0.0022	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.447	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	2.55	0.100	0.0153	
7439-96-5	Manganese, Total	0.0421	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.787	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	6.55	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/11/25 00:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.316	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0864	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	105.	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0028	0.0100	0.0022	J
7439-89-6	Iron, Total	0.697	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	19.8	0.100	0.0153	
7439-96-5	Manganese, Total	0.0704	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.72	2.50	0.237	
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	4.14	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0091	0.0050	0.0021	

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Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-05	Date Collected	: 03/04/25 13:22
Client ID	: MW-13D	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/11/25 00:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: TAA
Lab File ID	: WG2038651.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0257	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	12.1	0.100	0.0350	
7440-47-3	Chromium, Total	0.0024	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0307	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.23	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.944	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	15.6	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-06	Date Collected	: 03/04/25 10:57
Client ID	: MW-1SR	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/10/25 22:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: TAA
Lab File ID	: WG2038651.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0249	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	22.8	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0139	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.18	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.04	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	6.72	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/11/25 00:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0221	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	11.3	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	0.0020	0.0200	0.0017	J
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	2.77	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.73	0.100	0.0153	
7439-96-5	Manganese, Total	0.0397	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	0.800	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.99	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0043	0.0050	0.0021	J

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/11/25 00:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0245	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	22.4	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0154	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.13	0.100	0.0153	
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.01	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	6.68	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Lab ID	: L2511944-09	Date Collected	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	Date Received	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	: 03/11/25 00:30
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: TAA
Lab File ID	: WG2038651.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 03/10/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.119	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038522-1	**Date Collected**	: NA
Client ID	: WG2038522-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 21:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038522-6	**Date Collected**	: 03/04/25 07:00
Client ID	: WG2038522-6 DUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/10/25 23:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: TAA
Lab File ID	: WG2038651.pdf	**Instrument ID**	: TRACE6
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-92-1	Lead, Total	ND	0.0100	0.003	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1938628-1									
Date Analyzed :	03/10/25 06:36									
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.5090	102							
Antimony	0.500	0.5080	102							
Arsenic	0.500	0.5000	100							
Barium	0.500	0.4880	98							
Beryllium	0.500	0.5110	102							
Cadmium	0.500	0.5000	100							
Calcium	0.500	0.5150	103							
Chromium	0.500	0.5030	101							
Cobalt	0.500	0.4990	100							
Copper	0.500	0.4840	97							
Iron	0.500	0.5240	105							
Lead	0.500	0.4900	98							
Magnesium	0.500	0.5020	100							
Manganese	0.500	0.5000	100							
Nickel	0.500	0.4980	100							
Potassium	5.00	5.2800	106							
Selenium	0.500	0.5000	100							
Silver	0.500	0.4940	99							
Sodium	10.0	10.1000	101							
Thallium	0.500	0.4760	95							
Vanadium	0.500	0.4990	100							
Zinc	0.500	0.5080	102							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1938628-3			R1938628-6			R1938628-8		R1938628-10	
Date Analyzed:	03/10/25 06:50			03/10/25 09:39			03/10/25 10:35		03/10/25 12:28	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.5050	101	0.5000	0.508	102	0.516	103	0.521	104
Antimony	0.500	0.5080	102	0.5000	0.513	103	0.515	103	0.512	102
Arsenic	0.500	0.4970	99	0.5000	0.500	100	0.501	100	0.499	100
Barium	0.500	0.4820	96	0.5000	0.484	97	0.490	98	0.496	99
Beryllium	0.500	0.5060	101	0.5000	0.500	100	0.504	101	0.508	102
Cadmium	0.500	0.4990	100	0.5000	0.526	105	0.523	105	0.516	103
Calcium	0.500	0.5100	102	0.5000	0.486	97	0.484	97	0.497	99
Chromium	0.500	0.4960	99	0.5000	0.485	97	0.489	98	0.492	98
Cobalt	0.500	0.5010	100	0.5000	0.514	103	0.513	103	0.509	102
Copper	0.500	0.4820	96	0.5000	0.483	97	0.488	98	0.488	98
Iron	0.500	0.5140	103	0.5000	0.502	100	0.507	101	0.515	103
Lead	0.500	0.4900	98	0.5000	0.498	100	0.498	100	0.494	99
Magnesium	0.500	0.4970	99	0.5000	0.504	101	0.509	102	0.510	102
Manganese	0.500	0.4940	99	0.5000	0.491	98	0.498	100	0.503	101
Nickel	0.500	0.4980	100	0.5000	0.501	100	0.502	100	0.500	100
Potassium	5.00	5.2300	105	5.0000	5.16	103	5.19	104	5.24	105
Selenium	0.500	0.4990	100	0.5000	0.498	100	0.497	99	0.496	99
Silver	0.500	0.4780	96	0.5000	0.464	93	0.466	93	0.470	94
Sodium	10.0	9.9300	99	10.0000	9.81	98	9.96	100	10.1	101
Thallium	0.500	0.4760	95	0.5000	0.488	98	0.488	98	0.484	97
Vanadium	0.500	0.4950	99	0.5000	0.484	97	0.485	97	0.486	97
Zinc	0.500	0.5070	101	0.5000	0.518	104	0.516	103	0.512	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938628-12			R1938628-14		R1938628-16	
Date Analyzed :				03/10/25 13:30			03/10/25 14:39		03/10/25 17:20	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.528	106	0.527	105	0.528	106
Antimony				0.5000	0.516	103	0.507	101	0.496	99
Arsenic				0.5000	0.504	101	0.495	99	0.488	98
Barium				0.5000	0.496	99	0.501	100	0.503	101
Beryllium				0.5000	0.506	101	0.508	102	0.512	102
Cadmium				0.5000	0.519	104	0.501	100	0.480	96
Calcium				0.5000	0.497	99	0.515	103	0.526	105
Chromium				0.5000	0.490	98	0.498	100	0.510	102
Cobalt				0.5000	0.512	102	0.496	99	0.479	96
Copper				0.5000	0.488	98	0.484	97	0.482	96
Iron				0.5000	0.523	105	0.524	105	0.535	107
Lead				0.5000	0.496	99	0.487	97	0.475	95
Magnesium				0.5000	0.507	101	0.509	102	0.516	103
Manganese				0.5000	0.500	100	0.503	101	0.508	102
Nickel				0.5000	0.503	101	0.492	98	0.482	96
Potassium				5.0000	5.22	104	5.28	106	5.29	106
Selenium				0.5000	0.502	100	0.490	98	0.484	97
Silver				0.5000	0.469	94	0.475	95	0.490	98
Sodium				10.0000	10.1	101	10.3	103	10.5	105
Thallium				0.5000	0.489	98	0.477	95	0.462	92
Vanadium				0.5000	0.485	97	0.488	98	0.493	99
Zinc				0.5000	0.515	103	0.503	101	0.494	99

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	85-115%	**(Method 1631)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Methods 200.8, 1631)**
	80-120%	**(Methods 7470, 7471)**

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938628-18			R1938628-20		R1938628-22	
Date Analyzed:				03/10/25 18:22			03/10/25 18:34		03/10/25 19:36	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.536	107	0.524	105	0.524	105
Antimony				0.5000	0.490	98	0.495	99	0.507	101
Arsenic				0.5000	0.485	97	0.487	97	0.494	99
Barium				0.5000	0.504	101	0.499	100	0.495	99
Beryllium				0.5000	0.513	103	0.507	101	0.495	99
Cadmium				0.5000	0.475	95	0.484	97	0.518	104
Calcium				0.5000	0.539	108	0.525	105	0.491	98
Chromium				0.5000	0.516	103	0.508	102	0.496	99
Cobalt				0.5000	0.473	95	0.480	96	0.506	101
Copper				0.5000	0.481	96	0.480	96	0.492	98
Iron				0.5000	0.553	111	0.529	106	0.506	101
Lead				0.5000	0.472	94	0.476	95	0.490	98
Magnesium				0.5000	0.524	105	0.514	103	0.519	104
Manganese				0.5000	0.507	101	0.501	100	0.487	97
Nickel				0.5000	0.480	96	0.483	97	0.495	99
Potassium				5.0000	5.38	108	5.31	106	5.20	104
Selenium				0.5000	0.480	96	0.481	96	0.487	97
Silver				0.5000	0.496	99	0.488	98	0.470	94
Sodium				10.0000	10.6	106	10.4	104	10.0	100
Thallium				0.5000	0.456	91	0.461	92	0.479	96
Vanadium				0.5000	0.497	99	0.492	98	0.490	98
Zinc				0.5000	0.492	98	0.496	99	0.510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938628-24			R1938628-26		R1938628-28	
Date Analyzed :				03/10/25 20:51			03/10/25 21:51		03/10/25 22:52	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.527	105	0.519	104	0.519	104
Antimony				0.5000	0.496	99	0.502	100	0.506	101
Arsenic				0.5000	0.488	98	0.488	98	0.492	98
Barium				0.5000	0.499	100	0.496	99	0.489	98
Beryllium				0.5000	0.502	100	0.497	99	0.489	98
Cadmium				0.5000	0.490	98	0.506	101	0.518	104
Calcium				0.5000	0.516	103	0.500	100	0.489	98
Chromium				0.5000	0.499	100	0.492	98	0.485	97
Cobalt				0.5000	0.485	97	0.498	100	0.507	101
Copper				0.5000	0.482	96	0.481	96	0.483	97
Iron				0.5000	0.517	103	0.504	101	0.492	98
Lead				0.5000	0.476	95	0.483	97	0.491	98
Magnesium				0.5000	0.515	103	0.510	102	0.507	101
Manganese				0.5000	0.497	99	0.489	98	0.480	96
Nickel				0.5000	0.483	97	0.490	98	0.494	99
Potassium				5.0000	5.23	105	5.25	105	5.17	103
Selenium				0.5000	0.480	96	0.484	97	0.487	97
Silver				0.5000	0.477	95	0.469	94	0.461	92
Sodium				10.0000	10.3	103	10.1	101	9.91	99
Thallium				0.5000	0.461	92	0.470	94	0.478	96
Vanadium				0.5000	0.487	97	0.483	97	0.482	96
Zinc				0.5000	0.496	99	0.504	101	0.510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938628-30						
Date Analyzed :				03/10/25 23:28						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.518	104				
Antimony				0.5000	0.506	101				
Arsenic				0.5000	0.492	98				
Barium				0.5000	0.491	98				
Beryllium				0.5000	0.489	98				
Cadmium				0.5000	0.518	104				
Calcium				0.5000	0.486	97				
Chromium				0.5000	0.479	96				
Cobalt				0.5000	0.506	101				
Copper				0.5000	0.483	97				
Iron				0.5000	0.491	98				
Lead				0.5000	0.490	98				
Magnesium				0.5000	0.504	101				
Manganese				0.5000	0.480	96				
Nickel				0.5000	0.493	99				
Potassium				5.0000	5.17	103				
Selenium				0.5000	0.486	97				
Silver				0.5000	0.455	91				
Sodium				10.0000	9.92	99				
Thallium				0.5000	0.476	95				
Vanadium				0.5000	0.475	95				
Zinc				0.5000	0.508	102				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1938882-1			R1938882-4			R1938882-6		R1938882-8	
Date Analyzed :	03/10/25 14:16			03/10/25 16:53			03/10/25 18:44		03/10/25 20:05	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4910	98	0.5000	0.490	98	0.505	101	0.504	101
Antimony	0.500	0.4890	98	0.5000	0.486	97	0.491	98	0.482	96
Arsenic	0.500	0.4760	95	0.5000	0.466	93	0.476	95	0.472	94
Barium	0.500	0.4960	99	0.5000	0.489	98	0.475	95	0.491	98
Beryllium	0.500	0.4890	98	0.5000	0.491	98	0.520	104	0.510	102
Cadmium	0.500	0.4840	97	0.5000	0.472	94	0.480	96	0.485	97
Calcium	0.500	0.4880	98	0.5000	0.488	98	0.518	104	0.520	104
Chromium	0.500	0.5000	100	0.5000	0.500	100	0.504	101	0.492	98
Cobalt	0.500	0.4880	98	0.5000	0.480	96	0.489	98	0.484	97
Copper	0.500	0.4840	97	0.5000	0.482	96	0.481	96	0.480	96
Iron	0.500	0.4950	99	0.5000	0.498	100	0.530	106	0.526	105
Lead	0.500	0.4870	97	0.5000	0.480	96	0.479	96	0.495	99
Magnesium	0.500	0.5060	101	0.5000	0.508	102	0.504	101	0.506	101
Manganese	0.500	0.4750	95	0.5000	0.481	96	0.503	101	0.502	100
Nickel	0.500	0.4920	98	0.5000	0.480	96	0.485	97	0.493	99
Potassium	5.00	5.2200	104	5.0000	5.26	105	5.06	101	5.12	102
Selenium	0.500	0.4790	96	0.5000	0.474	95	0.479	96	0.472	94
Silver	0.500	0.5030	101	0.5000	0.504	101	0.497	99	0.500	100
Sodium	10.0	9.5900	96	10.0000	9.58	96	9.87	99	10.0	100
Thallium	0.500	0.4840	97	0.5000	0.482	96	0.481	96	0.492	98
Vanadium	0.500	0.4770	95	0.5000	0.464	93	0.469	94	0.473	95
Zinc	0.500	0.4910	98	0.5000	0.480	96	0.491	98	0.484	97

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938882-10			R1938882-12		R1938882-14	
Date Analyzed :				03/10/25 21:32			03/10/25 22:59		03/11/25 00:17	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.511	102	0.511	102	0.516	103
Antimony				0.5000	0.477	95	0.484	97	0.484	97
Arsenic				0.5000	0.464	93	0.473	95	0.473	95
Barium				0.5000	0.484	97	0.496	99	0.497	99
Beryllium				0.5000	0.517	103	0.514	103	0.515	103
Cadmium				0.5000	0.473	95	0.487	97	0.484	97
Calcium				0.5000	0.521	104	0.531	106	0.528	106
Chromium				0.5000	0.497	99	0.491	98	0.493	99
Cobalt				0.5000	0.477	95	0.483	97	0.482	96
Copper				0.5000	0.482	96	0.488	98	0.491	98
Iron				0.5000	0.527	105	0.525	105	0.522	104
Lead				0.5000	0.481	96	0.503	101	0.502	100
Magnesium				0.5000	0.508	102	0.509	102	0.513	103
Manganese				0.5000	0.509	102	0.508	102	0.510	102
Nickel				0.5000	0.481	96	0.496	99	0.495	99
Potassium				5.0000	5.08	102	5.12	102	5.18	104
Selenium				0.5000	0.468	94	0.472	94	0.472	94
Silver				0.5000	0.505	101	0.506	101	0.510	102
Sodium				10.0000	9.93	99	10.1	101	10.2	102
Thallium				0.5000	0.478	96	0.497	99	0.495	99
Vanadium				0.5000	0.463	93	0.476	95	0.475	95
Zinc				0.5000	0.477	95	0.481	96	0.480	96

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938882-16						
Date Analyzed :				03/11/25 01:03						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.506	101				
Antimony				0.5000	0.475	95				
Arsenic				0.5000	0.466	93				
Barium				0.5000	0.493	99				
Beryllium				0.5000	0.511	102				
Cadmium				0.5000	0.478	96				
Calcium				0.5000	0.523	105				
Chromium				0.5000	0.492	98				
Cobalt				0.5000	0.476	95				
Copper				0.5000	0.489	98				
Iron				0.5000	0.522	104				
Lead				0.5000	0.495	99				
Magnesium				0.5000	0.513	103				
Manganese				0.5000	0.506	101				
Nickel				0.5000	0.489	98				
Potassium				5.0000	5.08	102				
Selenium				0.5000	0.465	93				
Silver				0.5000	0.509	102				
Sodium				10.0000	10.1	101				
Thallium				0.5000	0.489	98				
Vanadium				0.5000	0.468	94				
Zinc				0.5000	0.473	95				

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	85-115%	**(Method 1631)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Methods 200.8, 1631)**
	80-120%	**(Methods 7470, 7471)**

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1938628-2		R1938628-7		R1938628-9		R1938628-11		WG2038531-1	
Date Analyzed :	03/10/25 06:41		03/10/25 09:44		03/10/25 10:40		03/10/25 12:33		03/10/25 22:01	
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1938628-4		R1938628-13		R1938628-15		R1938628-17			
Date Analyzed :	03/10/25 06:55		03/10/25 13:35		03/10/25 14:44		03/10/25 17:25			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938628-19		R1938628-21		R1938628-23			
Date Analyzed :			03/10/25 18:27		03/10/25 18:39		03/10/25 19:41			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.0150	J	0.00911	J	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938628-25		R1938628-27		R1938628-29			
Date Analyzed :			03/10/25 20:56		03/10/25 21:55		03/10/25 22:57			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00964	J	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938628-31							
Date Analyzed :			03/10/25 23:33							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U						
Antimony			0.00710	U						
Arsenic			0.00190	U						
Barium			0.00210	U						
Beryllium			0.000900	U						
Cadmium			0.00100	U						
Calcium			0.0350	U						
Chromium			0.00210	U						
Cobalt			0.00170	U						
Copper			0.00220	U						
Iron			0.00900	U						
Lead			0.00270	U						
Magnesium			0.0153	U						
Manganese			0.00160	U						
Nickel			0.00240	U						
Potassium			0.237	U						
Selenium			0.00350	U						
Silver			0.00280	U						
Sodium			0.120	U						
Thallium			0.00250	U						
Vanadium			0.00200	U						
Zinc			0.00210	U						

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1938882-2		R1938882-5		R1938882-7		R1938882-9		WG2038522-1	
Date Analyzed :	03/10/25 14:22		03/10/25 17:00		03/10/25 18:51		03/10/25 20:16		03/10/25 21:54	
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938882-11		R1938882-13		R1938882-15			
Date Analyzed :			03/10/25 21:38		03/10/25 23:05		03/11/25 00:24			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938882-17							
Date Analyzed :			03/11/25 01:10							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U						
Antimony			0.00710	U						
Arsenic			0.00190	U						
Barium			0.00210	U						
Beryllium			0.000900	U						
Cadmium			0.00100	U						
Calcium			0.0350	U						
Chromium			0.00210	U						
Cobalt			0.00170	U						
Copper			0.00220	U						
Iron			0.00900	U						
Lead			0.00270	U						
Magnesium			0.0153	U						
Manganese			0.00160	U						
Nickel			0.00240	U						
Potassium			0.237	U						
Selenium			0.00350	U						
Silver			0.00280	U						
Sodium			0.120	U						
Thallium			0.00250	U						
Vanadium			0.00200	U						
Zinc			0.00210	U						

Form 4a
Interference Check Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Concentration Units**	: mg/l

		Initial Found				Final Found			
Lab ID :		R1938628-5							
Analysis Date :		03/10/25 07:05							
Analyte	**True Sol. A**	**True Sol. AB**	**Sol. A**	**%R**	**Sol. AB**	**%R**	**Sol. A**	**%R**	**Sol. AB**	**%R**
Aluminum	500		520.	104						
Antimony			-0.0207							
Arsenic			-0.00235							
Barium			0.00138							
Beryllium			-0.0000387							
Cadmium			-0.00865							
Calcium	500		477.	95						
Chromium			-0.000688							
Cobalt			0.000778							
Copper			0.00214							
Iron	200		183.	92						
Lead			-0.00641							
Magnesium	500		483.	97						
Manganese			0.00197							
Nickel			-0.00363							
Potassium			-0.0139							
Selenium			0.00391							
Silver			0.000672							
Sodium			0.0211							
Thallium			-0.00809							
Vanadium			0.00152							
Zinc			-0.00425							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1938882-3							
Analysis Date :			03/10/25 14:36							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		549.	110						
Antimony			-0.0146							
Arsenic			-0.00552							
Barium			0.00135							
Beryllium			-0.0000379							
Cadmium			-0.00554							
Calcium	500		518.	104						
Chromium			-0.000507							
Cobalt			0.000934							
Copper			0.00362							
Iron	200		197.	98						
Lead			0.00269							
Magnesium	500		490.	98						
Manganese			0.00213							
Nickel			-0.0103							
Potassium			-0.0602							
Selenium			-0.000257							
Silver			-0.000139							
Sodium			-0.0532							
Thallium			-0.0111							
Vanadium			-0.000397							
Zinc			-0.000590							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-1SR	Matrix	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2038531-3	MS Analysis Date	: 03/10/25 22:16
Matrix Spike Dup	: WG2038531-4	MSD Analysis Date	: 03/10/25 22:21

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	ND	2	2.07	104	2	2.07	104	0	75-125	20
Antimony, Dissolved	ND	0.5	0.490	98	0.5	0.492	98	0	75-125	20
Arsenic, Dissolved	ND	0.12	0.111	92	0.12	0.114	95	3	75-125	20
Barium, Dissolved	0.0242	2	2.00	99	2	2.00	99	0	75-125	20
Beryllium, Dissolved	ND	0.05	0.0492	98	0.05	0.0490	98	0	75-125	20
Cadmium, Dissolved	ND	0.053	0.0537	101	0.053	0.0538	102	0	75-125	20
Calcium, Dissolved	19.2	10	28.8	96	10	29.1	99	1	75-125	20
Chromium, Dissolved	ND	0.2	0.192	96	0.2	0.195	98	2	75-125	20
Cobalt, Dissolved	ND	0.5	0.493	99	0.5	0.490	98	1	75-125	20
Copper, Dissolved	ND	0.25	0.250	100	0.25	0.250	100	0	75-125	20
Iron, Dissolved	ND	1	0.993	99	1	1.01	101	2	75-125	20
Lead, Dissolved	ND	0.53	0.513	97	0.53	0.522	98	2	75-125	20
Magnesium, Dissolved	4.92	10	14.9	100	10	15.1	102	1	75-125	20
Manganese, Dissolved	ND	0.5	0.489	98	0.5	0.490	98	0	75-125	20
Nickel, Dissolved	ND	0.5	0.487	97	0.5	0.484	97	1	75-125	20
Potassium, Dissolved	2.15J	10	12.5	125	10	12.7	127 Q	2	75-125	20
Selenium, Dissolved	ND	0.12	0.112	93	0.12	0.116	97	4	75-125	20
Silver, Dissolved	ND	0.05	0.0472	94	0.05	0.0471	94	0	75-125	20
Sodium, Dissolved	6.20	10	16.4	102	10	16.6	104	1	75-125	20
Thallium, Dissolved	ND	0.12	0.108	90	0.12	0.109	91	1	75-125	20
Vanadium, Dissolved	ND	0.5	0.480	96	0.5	0.477	95	1	75-125	20
Zinc, Dissolved	ND	0.5	0.500	100	0.5	0.497	99	1	75-125	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2511944
Project Name	: CORAM MATERIALS	Project Number	: 2232.0006Y005
Client Sample ID	: MW-1SR	Matrix	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2038522-3	MS Analysis Date	: 03/10/25 22:13
Matrix Spike Dup	: WG2038522-4	MSD Analysis Date	: 03/10/25 22:20

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	ND	2	2.19	110	2	2.17	108	1	75-125	20
Antimony, Total	ND	0.5	0.487	97	0.5	0.485	97	0	75-125	20
Arsenic, Total	ND	0.12	0.115	96	0.12	0.114	95	1	75-125	20
Barium, Total	0.0249	2	2.08	103	2	2.02	100	3	75-125	20
Beryllium, Total	ND	0.05	0.0537	107	0.05	0.0531	106	1	75-125	20
Cadmium, Total	ND	0.053	0.0526	99	0.053	0.0520	98	1	75-125	20
Calcium, Total	22.8	10	32.7	99	10	32.4	96	1	75-125	20
Chromium, Total	ND	0.2	0.203	102	0.2	0.202	101	0	75-125	20
Cobalt, Total	ND	0.5	0.485	97	0.5	0.480	96	1	75-125	20
Copper, Total	ND	0.25	0.265	106	0.25	0.261	104	2	75-125	20
Iron, Total	0.0139J	1	1.11	111	1	1.10	110	1	75-125	20
Lead, Total	ND	0.53	0.541	102	0.53	0.537	101	1	75-125	20
Magnesium, Total	5.18	10	15.7	105	10	15.6	104	1	75-125	20
Manganese, Total	ND	0.5	0.543	109	0.5	0.535	107	1	75-125	20
Nickel, Total	ND	0.5	0.501	100	0.5	0.497	99	1	75-125	20
Potassium, Total	2.04J	10	13.0	130 Q	10	12.6	126 Q	3	75-125	20
Selenium, Total	ND	0.12	0.114	95	0.12	0.114	95	0	75-125	20
Silver, Total	ND	0.05	0.0539	108	0.05	0.0534	107	1	75-125	20
Sodium, Total	6.72	10	17.8	111	10	17.6	109	1	75-125	20
Thallium, Total	ND	0.12	0.114	95	0.12	0.113	94	1	75-125	20
Vanadium, Total	ND	0.5	0.491	98	0.5	0.487	97	1	75-125	20
Zinc, Total	ND	0.5	0.488	98	0.5	0.482	96	1	75-125	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2511627-01		
Matrix Spike	: WG2038522-5	**MS Analysis Date**	: 03/10/25 23:12
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	ND	2	2.21	110					75-125	20
Antimony, Total	ND	0.5	0.501	100					75-125	20
Arsenic, Total	0.002J	0.12	0.122	102					75-125	20
Barium, Total	0.038	2	2.09	102					75-125	20
Beryllium, Total	ND	0.05	0.0536	107					75-125	20
Cadmium, Total	ND	0.053	0.0532	100					75-125	20
Calcium, Total	30.9	10	41.4	105					75-125	20
Chromium, Total	ND	0.2	0.196	98					75-125	20
Cobalt, Total	ND	0.5	0.490	98					75-125	20
Copper, Total	0.008J	0.25	0.270	108					75-125	20
Iron, Total	0.101	1	1.18	108					75-125	20
Lead, Total	ND	0.53	0.540	102					75-125	20
Magnesium, Total	10.7	10	20.6	99					75-125	20
Manganese, Total	0.196	0.5	0.731	107					75-125	20
Nickel, Total	ND	0.5	0.505	101					75-125	20
Potassium, Total	18.7	10	30.2	115					75-125	20
Selenium, Total	ND	0.12	0.117	98					75-125	20
Silver, Total	ND	0.05	0.0525	105					75-125	20
Sodium, Total	161	10	176.	150 Q					75-125	20
Thallium, Total	ND	0.12	0.112	93					75-125	20
Vanadium, Total	ND	0.5	0.510	102					75-125	20
Zinc, Total	0.036	0.5	0.531	99					75-125	20

Form 5b
Post Digest Spike Recovery

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Post Spike	: WG2038531-5	**PS Analysis Date**	: 03/10/25 22:26

		Post Spike Sample			
	Sample Conc.	Spike Added	Spike Conc.	%R	Recovery
Parameter	(mg/l)	(mg/l)	(mg/l)		Limits

Form 5b
Post Digest Spike Recovery

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Post Spike	: WG2038522-7	**PS Analysis Date**	: 03/10/25 22:26

		Post Spike Sample			
	Sample Conc.	Spike Added	Spike Conc.	%R	Recovery
Parameter	(mg/l)	(mg/l)	(mg/l)		Limits

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 03/10/25 22:39
Dup Sample ID	: WG2038522-6	**DUP Analysis Date**	: 03/10/25 23:18

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Lead, Total	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2038531-2	**LCS Analysis Date**	: 03/10/25 22:06
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	2.00	2.09	104.					85-115	20
Antimony, Dissolved	0.500	0.484	97.					85-115	20
Arsenic, Dissolved	0.120	0.110	92.					85-115	20
Barium, Dissolved	2.00	1.99	100.					85-115	20
Beryllium, Dissolved	0.0500	0.0494	99.					85-115	20
Cadmium, Dissolved	0.0530	0.0538	102.					85-115	20
Calcium, Dissolved	10.0	9.55	96.					85-115	20
Chromium, Dissolved	0.200	0.196	98.					85-115	20
Cobalt, Dissolved	0.500	0.488	98.					85-115	20
Copper, Dissolved	0.250	0.251	100.					85-115	20
Iron, Dissolved	1.00	0.998	100.					85-115	20
Lead, Dissolved	0.530	0.507	96.					85-115	20
Magnesium, Dissolved	10.0	10.1	101.					85-115	20
Manganese, Dissolved	0.500	0.496	99.					85-115	20
Nickel, Dissolved	0.500	0.483	97.					85-115	20
Potassium, Dissolved	10.0	10.4	104.					85-115	20
Selenium, Dissolved	0.120	0.108	90.					85-115	20
Silver, Dissolved	0.0500	0.0475	95.					85-115	20
Sodium, Dissolved	10.0	10.3	103.					85-115	20
Thallium, Dissolved	0.120	0.103	86.					85-115	20
Vanadium, Dissolved	0.500	0.485	97.					85-115	20
Zinc, Dissolved	0.500	0.498	100.					85-115	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2038522-2	**LCS Analysis Date**	: 03/10/25 22:01
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	2.00	2.12	106.					85-115	20
Antimony, Total	0.500	0.465	93.					85-115	20
Arsenic, Total	0.120	0.109	91.					85-115	20
Barium, Total	2.00	1.99	100.					85-115	20
Beryllium, Total	0.0500	0.0520	104.					85-115	20
Cadmium, Total	0.0530	0.0511	96.					85-115	20
Calcium, Total	10.0	10.6	106.					85-115	20
Chromium, Total	0.200	0.198	99.					85-115	20
Cobalt, Total	0.500	0.472	94.					85-115	20
Copper, Total	0.250	0.254	102.					85-115	20
Iron, Total	1.00	1.08	108.					85-115	20
Lead, Total	0.530	0.525	99.					85-115	20
Magnesium, Total	10.0	10.3	103.					85-115	20
Manganese, Total	0.500	0.529	106.					85-115	20
Nickel, Total	0.500	0.487	97.					85-115	20
Potassium, Total	10.0	10.4	104.					85-115	20
Selenium, Total	0.120	0.107	89.					85-115	20
Silver, Total	0.0500	0.0514	103.					85-115	20
Sodium, Total	10.0	10.7	107.					85-115	20
Thallium, Total	0.120	0.111	92.					85-115	20
Vanadium, Total	0.500	0.474	95.					85-115	20
Zinc, Total	0.500	0.473	95.					85-115	20

Form 8
Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/10/25 22:11
Serial Dilution ID	: WG2038531-6	**Analysis Date**	: 03/10/25 22:31

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	19.2	19.6	2	20
Magnesium, Dissolved	4.92	4.88	1	20

Form 8
Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/10/25 22:07
Serial Dilution ID	: WG2038522-8	**Analysis Date**	: 03/10/25 22:32

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	__
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12
Preparation Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix	: WATER	**Prep Method**	: EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2511944-01	03/10/25 13:31	-	50
L2511944-02	03/10/25 13:31	-	50
L2511944-03	03/10/25 13:31	-	50
L2511944-04	03/10/25 13:31	-	50
L2511944-05	03/10/25 13:31	-	50
L2511944-06	03/10/25 13:31	-	50
L2511944-07	03/10/25 13:31	-	50
L2511944-08	03/10/25 13:31	-	50
L2511944-09	03/10/25 13:31	-	50
WG2038531-1	03/10/25 13:31	-	50
WG2038531-2	03/10/25 13:31	-	50
WG2038531-3	03/10/25 13:31	-	50
WG2038531-4	03/10/25 13:31	-	50
WG2038531-5	03/10/25 13:31	-	50
WG2038531-6	03/10/25 13:31	-	50

Form 12
Preparation Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix	: WATER	**Prep Method**	: EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2511944-01	03/10/25 10:53	-	50
L2511944-02	03/10/25 10:53	-	50
L2511944-03	03/10/25 10:53	-	50
L2511944-04	03/10/25 10:53	-	50
L2511944-05	03/10/25 10:53	-	50
L2511944-06	03/10/25 10:53	-	50
L2511944-07	03/10/25 10:53	-	50
L2511944-08	03/10/25 10:53	-	50
L2511944-09	03/10/25 10:53	-	50
WG2038522-1	03/10/25 10:53	-	50
WG2038522-2	03/10/25 10:53	-	50
WG2038522-3	03/10/25 10:53	-	50
WG2038522-4	03/10/25 10:53	-	50
WG2038522-5	03/10/25 10:53	-	50
WG2038522-6	03/10/25 10:53	-	50
WG2038522-7	03/10/25 10:53	-	50
WG2038522-8	03/10/25 10:53	-	50

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Analysis Method**	: 19,200.7
Start Date	: 03/10/25 06:36	**End Date**	: 03/10/25 23:33

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1938628-1 ICV	1	06:36:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-2 ICB	1	06:41:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-3 ICV	1	06:50:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-4 ICB	1	06:55:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-5 ICSA	1	07:05:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-6 CCV	1	09:39:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-7 CCB	1	09:44:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-8 CCV	1	10:35:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-9 CCB	1	10:40:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-10 CCV	1	12:28:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-11 CCB	1	12:33:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-12 CCV	1	13:30:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-13 CCB	1	13:35:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-14 CCV	1	14:39:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-15 CCB	1	14:44:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-16 CCV	1	17:20:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-17 CCB	1	17:25:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-18 CCV	1	18:22:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-19 CCB	1	18:27:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-20 CCV	1	18:34:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-21 CCB	1	18:39:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-22 CCV	1	19:36:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-23 CCB	1	19:41:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-24 CCV	1	20:51:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-25 CCB	1	20:56:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-26 CCV	1	21:51:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-27 CCB	1	21:55:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE7	**Analysis Method**	: 19,200.7
Start Date	: 03/10/25 06:36	**End Date**	: 03/10/25 23:33

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
WG2038531-1 BLANK	1	22:01:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038531-2 LCS	1	22:06:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-06	1	22:11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038531-3 MS	1	22:16:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038531-4 MSD	1	22:21:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038531-5 PS	1	22:26:44																						
WG2038531-6 SERDIL	5	22:31:45							X						X									
L2511944-01	1	22:36:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-02	1	22:42:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-03	1	22:47:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-28 CCV	1	22:52:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-29 CCB	1	22:57:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-04	1	23:02:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-05	1	23:07:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-07	1	23:12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-08	1	23:18:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-09	1	23:23:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-30 CCV	1	23:28:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938628-31 CCB	1	23:33:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Analysis Method**	: 19,200.7
Start Date	: 03/10/25 14:16	**End Date**	: 03/11/25 01:10

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R1938882-1 ICV	1	14:16:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-2 ICB	1	14:22:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-3 ICSA	1	14:36:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-4 CCV	1	16:53:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-5 CCB	1	17:00:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-6 CCV	1	18:44:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-7 CCB	1	18:51:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-8 CCV	1	20:05:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-9 CCB	1	20:16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-10 CCV	1	21:32:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-11 CCB	1	21:38:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-1 BLANK	1	21:54:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-2 LCS	1	22:01:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-06	1	22:07:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-3 MS	1	22:13:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-4 MSD	1	22:20:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-7 PS	1	22:26:26																						
WG2038522-8 SERDIL	5	22:32:42																						
R1938882-12 CCV	1	22:59:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-13 CCB	1	23:05:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-5 MS	1	23:12:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2038522-6 DUP	1	23:18:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-01	1	23:58:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-02	1	00:04:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-03	1	00:11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-14 CCV	1	00:17:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-15 CCB	1	00:24:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: TRACE6	**Analysis Method**	: 19,200.7
Start Date	: 03/10/25 14:16	**End Date**	: 03/11/25 01:10

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
L2511944-09	1	00:30:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-04	1	00:37:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-05	1	00:43:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-07	1	00:50:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2511944-08	1	00:57:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-16 CCV	1	01:03:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1938882-17 CCB	1	01:10:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum	7429-90-5	0.1	0.0318	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony	7440-36-0	0.05	0.0071	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic	7440-38-2	0.005	0.0019	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium	7440-39-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium	7440-41-7	0.005	0.0009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium	7440-43-9	0.005	0.001	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium	7440-70-2	0.1	0.035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium	7440-47-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt	7440-48-4	0.02	0.0017	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper	7440-50-8	0.01	0.0022	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron	7439-89-6	0.05	0.009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead	7439-92-1	0.01	0.0027	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium	7439-95-4	0.1	0.0153	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese	7439-96-5	0.01	0.0016	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel	7440-02-0	0.025	0.0024	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium	7440-09-7	2.5	0.237	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium	7782-49-2	0.01	0.0035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver	7440-22-4	0.007	0.0028	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium	7440-23-5	2	0.12	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium	7440-28-0	0.02	0.0025	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium	7440-62-2	0.01	0.002	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc	7440-66-6	0.05	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

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 the laboratory.

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2962-1
Page: 1

METALS by 6010C (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.4	0.1132	mg/kg	75-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved

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 the laboratory.

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: Blank DHL Trace7
Analysis started at: 3/10/2025 06:26:26
Comments <Comment>
Rack: 0
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-0.7 %	0.1 %	0.1 %	0.4 %	0.9 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	-1.3 %	0.6 %	0.0 %	-1.6 %	-0.5 %	-0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.8 %	-0.1 %	0.4 %	-0.2 %	-0.1 %	0.1 %	-0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.0 %	0.5 %	-0.2 %	-0.2 %	-0.1 %	-0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICAL
Analysis started at: 3/10/2025 06:31:37
Comments <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0003 ppm	24.5143 ppm	0.9989 ppm	0.9984 ppm	0.9819 ppm	0.9824 ppm	9.8117 ppm
Concentration per Run 2	0.9999 ppm	25.2090 ppm	0.9940 ppm	0.9937 ppm	1.0080 ppm	1.0076 ppm	10.0859 ppm
Concentration per Run 3	0.9999 ppm	25.2768 ppm	1.0071 ppm	1.0079 ppm	1.0101 ppm	1.0100 ppm	10.1025 ppm
Concentration RSD	0.0 %	1.7 %	0.7 %	0.7 %	1.6 %	1.5 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9978 ppm	0.9991 ppm	1.0002 ppm	1.0023 ppm	24.5412 ppm	34.3885 ppm	0.9816 ppm
Concentration per Run 2	0.9969 ppm	0.9968 ppm	1.0001 ppm	0.9981 ppm	25.1987 ppm	35.2339 ppm	1.0099 ppm
Concentration per Run 3	1.0053 ppm	1.0041 ppm	0.9996 ppm	0.9996 ppm	25.2601 ppm	35.3776 ppm	1.0085 ppm
Concentration RSD	0.5 %	0.4 %	0.0 %	0.2 %	1.6 %	1.5 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9856 ppm	0.9820 ppm	0.9970 ppm	24.5615 ppm	0.9995 ppm	1.0000 ppm	0.9964 ppm
Concentration per Run 2	10.0021 ppm	1.0069 ppm	0.9956 ppm	25.1954 ppm	0.9944 ppm	0.9954 ppm	0.9938 ppm
Concentration per Run 3	10.0124 ppm	1.0111 ppm	1.0074 ppm	25.2430 ppm	1.0061 ppm	1.0046 ppm	1.0098 ppm
Concentration RSD	0.1 %	1.6 %	0.6 %	1.5 %	0.6 %	0.5 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9976 ppm	9.9882 ppm	0.9984 ppm	0.9814 ppm	1.0007 ppm	0.9953 ppm	1.0011 ppm
Concentration per Run 2	0.9944 ppm	9.9522 ppm	0.9952 ppm	1.0082 ppm	0.9996 ppm	0.9944 ppm	0.9991 ppm
Concentration per Run 3	1.0080 ppm	10.0596 ppm	1.0064 ppm	1.0104 ppm	0.9997 ppm	1.0103 ppm	0.9998 ppm
Concentration RSD	0.7 %	0.5 %	0.6 %	1.6 %	0.1 %	0.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	99.4131 %	98.7435 %	99.3253 %	100.6306 %	99.1741 %	99.5554 %
Concentration per Run 1	0.9965 ppm	100.8682 %	98.7506 %	99.6650 %	102.4558 %	99.3519 %	99.5166 %
Concentration per Run 2	0.9966 ppm	99.1373 %	98.7166 %	99.0376 %	100.0717 %	99.6395 %	99.5597 %
Concentration per Run 3	1.0069 ppm	98.2338 %	98.7635 %	99.2734 %	99.3643 %	98.5310 %	99.5900 %
Concentration RSD	0.6 %	1.3 %	0.0 %	0.3 %	1.6 %	0.6 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICV
Analysis started at: 3/10/2025 06:36:26
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4936 ppm	0.5089 ppm	0.5001 ppm	0.4896 ppm	0.4877 ppm	0.5110 ppm	0.5150 ppm
Concentration per Run 1	0.4950 ppm	0.4994 ppm	0.5009 ppm	0.4887 ppm	0.4778 ppm	0.5010 ppm	0.5016 ppm
Concentration per Run 2	0.4922 ppm	0.5138 ppm	0.4985 ppm	0.4897 ppm	0.4914 ppm	0.5159 ppm	0.5202 ppm
Concentration per Run 3	0.4935 ppm	0.5136 ppm	0.5007 ppm	0.4905 ppm	0.4937 ppm	0.5161 ppm	0.5231 ppm
Recovery Percentage 1	98.712 %	101.781 %	100.010 %	97.926 %	97.536 %	102.202 %	102.992 %
Concentration RSD	0.3 %	1.6 %	0.3 %	0.2 %	1.8 %	1.7 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4997 ppm	0.4992 ppm	0.5033 ppm	0.4836 ppm	0.5237 ppm	5.2842 ppm	0.5158 ppm
Concentration per Run 1	0.4987 ppm	0.4985 ppm	0.5038 ppm	0.4848 ppm	0.5154 ppm	5.1742 ppm	0.5073 ppm
Concentration per Run 2	0.4996 ppm	0.4995 ppm	0.5029 ppm	0.4824 ppm	0.5288 ppm	5.3301 ppm	0.5182 ppm
Concentration per Run 3	0.5008 ppm	0.4997 ppm	0.5031 ppm	0.4837 ppm	0.5271 ppm	5.3483 ppm	0.5221 ppm
Recovery Percentage 1	99.939 %	99.847 %	100.657 %	96.729 %	104.747 %	105.684 %	103.169 %
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	1.4 %	1.8 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5022 ppm	0.4999 ppm	0.4938 ppm	10.1265 ppm	0.4984 ppm	0.4896 ppm	0.5078 ppm
Concentration per Run 1	0.5010 ppm	0.4910 ppm	0.4941 ppm	9.9435 ppm	0.4992 ppm	0.4902 ppm	0.5064 ppm
Concentration per Run 2	0.5031 ppm	0.5048 ppm	0.4933 ppm	10.1886 ppm	0.4984 ppm	0.4874 ppm	0.5087 ppm
Concentration per Run 3	0.5025 ppm	0.5039 ppm	0.4939 ppm	10.2474 ppm	0.4975 ppm	0.4911 ppm	0.5082 ppm
Recovery Percentage 1	100.436 %	99.984 %	98.760 %	101.265 %	99.679 %	97.913 %	101.553 %
Concentration RSD	0.2 %	1.5 %	0.1 %	1.6 %	0.2 %	0.4 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5001 ppm	5.6750 ppm	0.5117 ppm	0.5049 ppm	0.5036 ppm	0.4765 ppm	0.4990 ppm
Concentration per Run 1	0.4985 ppm	5.6673 ppm	0.5106 ppm	0.4954 ppm	0.5048 ppm	0.4762 ppm	0.5001 ppm
Concentration per Run 2	0.5013 ppm	5.6854 ppm	0.5122 ppm	0.5083 ppm	0.5029 ppm	0.4758 ppm	0.4985 ppm
Concentration per Run 3	0.5005 ppm	5.6721 ppm	0.5123 ppm	0.5110 ppm	0.5032 ppm	0.4773 ppm	0.4984 ppm
Recovery Percentage 1	100.012 %	108.094 %	102.341 %	100.983 %	100.728 %	95.295 %	99.799 %
Concentration RSD	0.3 %	0.2 %	0.2 %	1.6 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5084 ppm	100.7906 %	100.6865 %	100.0111 %	101.6150 %	99.2472 %	101.4878 %
Concentration per Run 1	0.5074 ppm	102.5431 %	100.6768 %	100.0080 %	103.5710 %	99.4837 %	101.4783 %
Concentration per Run 2	0.5087 ppm	99.9423 %	100.7477 %	99.8805 %	100.6401 %	99.0291 %	101.5951 %
Concentration per Run 3	0.5092 ppm	99.8864 %	100.6349 %	100.1447 %	100.6339 %	99.2286 %	101.3901 %
Recovery Percentage 1	101.685 %						
Concentration RSD	0.2 %	1.5 %	0.1 %	0.1 %	1.7 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICB
Analysis started at: 3/10/2025 06:41:19
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0001 ppm	0.0015 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 1	0.0004 ppm	-0.0014 ppm	0.0020 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0029 ppm
Concentration per Run 2	0.0004 ppm	0.0008 ppm	0.0031 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 3	0.0001 ppm	0.0007 ppm	-0.0005 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage 1	5.873 %	0.052 %	30.663 %	2.699 %	0.349 %	0.632 %	-2.297 %
Concentration RSD	44.7 %	2,428.6 %	118.6 %	17.7 %	163.8 %	87.6 %	26.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0165 ppm	0.0004 ppm
Concentration per Run 1	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0152 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0012 ppm	0.0156 ppm	0.0005 ppm
Concentration per Run 3	0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0188 ppm	0.0008 ppm
Recovery Percentage 1	4.113 %	1.151 %	-1.018 %	0.706 %	1.680 %	0.660 %	3.627 %
Concentration RSD	73.5 %	84.8 %	204.2 %	132.7 %	37.8 %	11.8 %	149.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0002 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0030 ppm	0.0004 ppm	0.0001 ppm	0.0056 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0004 ppm	0.0000 ppm	0.0005 ppm	-0.0025 ppm	0.0001 ppm	-0.0011 ppm	-0.0005 ppm
Concentration per Run 3	-0.0013 ppm	0.0002 ppm	0.0004 ppm	0.0004 ppm	-0.0002 ppm	-0.0013 ppm	0.0012 ppm
Recovery Percentage 1	0.716 %	2.058 %	0.658 %	0.058 %	0.132 %	-8.603 %	0.481 %
Concentration RSD	303.5 %	87.9 %	56.7 %	355.0 %	649.3 %	68.1 %	362.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	0.0016 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	0.0021 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0014 ppm	0.0014 ppm	0.0008 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0009 ppm	0.0014 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0003 ppm
Recovery Percentage 1	9.488 %	0.324 %	1.299 %	0.747 %	2.656 %	-1.644 %	1.119 %
Concentration RSD	177.9 %	23.5 %	101.4 %	72.8 %	64.9 %	109.0 %	197.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0007 ppm	101.2554 %	101.1125 %	99.5996 %	101.0612 %	99.9863 %	101.0058 %
Concentration per Run 1	-0.0007 ppm	102.4169 %	101.1869 %	100.0161 %	102.4742 %	100.7298 %	101.0504 %
Concentration per Run 2	-0.0005 ppm	100.3864 %	101.0539 %	99.4022 %	100.2521 %	99.4526 %	101.0126 %
Concentration per Run 3	-0.0008 ppm	100.9630 %	101.0967 %	99.3804 %	100.4573 %	99.7764 %	100.9545 %
Recovery Percentage 1	-13.415 %						
Concentration RSD	19.6 %	1.0 %	0.1 %	0.4 %	1.2 %	0.7 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICV
Analysis started at: 3/10/2025 06:50:07
Comments <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4776 ppm	0.5052 ppm	0.4972 ppm	0.4876 ppm	0.4822 ppm	0.5063 ppm	0.5105 ppm
Concentration per Run 1	0.4775 ppm	0.5009 ppm	0.4975 ppm	0.4869 ppm	0.4737 ppm	0.4976 ppm	0.5028 ppm
Concentration per Run 2	0.4781 ppm	0.5056 ppm	0.4959 ppm	0.4874 ppm	0.4857 ppm	0.5101 ppm	0.5113 ppm
Concentration per Run 3	0.4773 ppm	0.5091 ppm	0.4981 ppm	0.4886 ppm	0.4871 ppm	0.5112 ppm	0.5175 ppm
Recovery Percentage 1	95.525 %	101.044 %	99.434 %	97.521 %	96.433 %	101.258 %	102.106 %
Concentration RSD	0.1 %	0.8 %	0.2 %	0.2 %	1.5 %	1.5 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4995 ppm	0.5007 ppm	0.4961 ppm	0.4819 ppm	0.5146 ppm	5.2275 ppm	0.5068 ppm
Concentration per Run 1	0.4987 ppm	0.5002 ppm	0.4954 ppm	0.4822 ppm	0.5055 ppm	5.1406 ppm	0.4956 ppm
Concentration per Run 2	0.4997 ppm	0.5016 ppm	0.4979 ppm	0.4807 ppm	0.5195 ppm	5.2692 ppm	0.5126 ppm
Concentration per Run 3	0.5001 ppm	0.5004 ppm	0.4950 ppm	0.4827 ppm	0.5187 ppm	5.2728 ppm	0.5122 ppm
Recovery Percentage 1	99.895 %	100.148 %	99.214 %	96.373 %	102.914 %	104.550 %	101.356 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	1.5 %	1.4 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4968 ppm	0.4944 ppm	0.4914 ppm	9.9303 ppm	0.4975 ppm	0.4898 ppm	0.5082 ppm
Concentration per Run 1	0.4991 ppm	0.4859 ppm	0.4905 ppm	9.7594 ppm	0.4968 ppm	0.4884 ppm	0.5056 ppm
Concentration per Run 2	0.4960 ppm	0.4984 ppm	0.4916 ppm	10.0130 ppm	0.4973 ppm	0.4913 ppm	0.5085 ppm
Concentration per Run 3	0.4953 ppm	0.4988 ppm	0.4922 ppm	10.0184 ppm	0.4984 ppm	0.4896 ppm	0.5104 ppm
Recovery Percentage 1	99.364 %	98.872 %	98.279 %	99.303 %	99.504 %	97.951 %	101.633 %
Concentration RSD	0.4 %	1.5 %	0.2 %	1.5 %	0.2 %	0.3 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4989 ppm	5.6843 ppm	0.5038 ppm	0.5032 ppm	0.4972 ppm	0.4759 ppm	0.4954 ppm
Concentration per Run 1	0.4996 ppm	5.6786 ppm	0.5040 ppm	0.4939 ppm	0.4970 ppm	0.4771 ppm	0.4957 ppm
Concentration per Run 2	0.4986 ppm	5.6847 ppm	0.5063 ppm	0.5073 ppm	0.4975 ppm	0.4744 ppm	0.4960 ppm
Concentration per Run 3	0.4986 ppm	5.6897 ppm	0.5012 ppm	0.5085 ppm	0.4970 ppm	0.4764 ppm	0.4945 ppm
Recovery Percentage 1	99.781 %	108.273 %	100.769 %	100.649 %	99.439 %	95.188 %	99.073 %
Concentration RSD	0.1 %	0.1 %	0.5 %	1.6 %	0.1 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5072 ppm	100.9768 %	100.3847 %	99.7636 %	102.2107 %	98.7368 %	101.9103 %
Concentration per Run 1	0.5060 ppm	102.0409 %	100.5036 %	99.3959 %	103.3847 %	98.8495 %	102.0680 %
Concentration per Run 2	0.5082 ppm	100.6308 %	100.3038 %	99.7528 %	101.7626 %	98.6845 %	101.7061 %
Concentration per Run 3	0.5073 ppm	100.2587 %	100.3466 %	100.1420 %	101.4849 %	98.6765 %	101.9568 %
Recovery Percentage 1	101.441 %						
Concentration RSD	0.2 %	0.9 %	0.1 %	0.4 %	1.0 %	0.1 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICB
Analysis started at: 3/10/2025 06:55:02
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0014 ppm	0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0039 ppm
Concentration per Run 1	0.0002 ppm	0.0019 ppm	0.0019 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 2	0.0002 ppm	-0.0030 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0061 ppm
Concentration per Run 3	0.0003 ppm	0.0052 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0035 ppm
Recovery Percentage 1	3.881 %	1.385 %	20.977 %	1.110 %	0.198 %	0.434 %	-3.860 %
Concentration RSD	26.3 %	300.6 %	96.3 %	57.4 %	129.7 %	40.5 %	54.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0142 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0130 ppm	0.0007 ppm
Concentration per Run 2	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0183 ppm	-0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0112 ppm	-0.0002 ppm
Recovery Percentage 1	2.902 %	0.214 %	-1.268 %	1.305 %	0.788 %	0.566 %	0.527 %
Concentration RSD	43.9 %	575.8 %	139.6 %	102.2 %	77.4 %	26.2 %	1,059.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0019 ppm	-0.0003 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 1	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0026 ppm	-0.0003 ppm	0.0007 ppm	0.0013 ppm
Concentration per Run 2	-0.0007 ppm	0.0001 ppm	0.0004 ppm	0.0049 ppm	-0.0005 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run 3	-0.0011 ppm	0.0002 ppm	-0.0001 ppm	-0.0019 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm
Recovery Percentage 1	-0.222 %	1.140 %	0.295 %	0.093 %	-1.227 %	2.009 %	0.625 %
Concentration RSD	532.0 %	58.4 %	184.3 %	185.2 %	55.8 %	273.4 %	287.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0009 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0019 ppm	0.0000 ppm
Concentration per Run 1	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0033 ppm	0.0002 ppm
Concentration per Run 2	0.0020 ppm	0.0015 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 3	0.0021 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0021 ppm	-0.0001 ppm
Recovery Percentage 1	14.380 %	0.189 %	0.732 %	0.800 %	2.157 %	-9.714 %	-0.134 %
Concentration RSD	69.1 %	76.9 %	150.0 %	32.7 %	66.2 %	72.0 %	1,268.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0007 ppm	101.1743 %	100.8498 %	99.6549 %	100.8206 %	99.9325 %	100.6435 %
Concentration per Run 1	-0.0006 ppm	102.2405 %	100.7121 %	99.7134 %	102.1620 %	99.9960 %	100.5260 %
Concentration per Run 2	-0.0008 ppm	100.6841 %	100.7840 %	99.6943 %	100.3073 %	99.7694 %	100.6738 %
Concentration per Run 3	-0.0008 ppm	100.5984 %	101.0533 %	99.5569 %	99.9925 %	100.0321 %	100.7307 %
Recovery Percentage 1	-14.543 %						
Concentration RSD	14.7 %	0.9 %	0.2 %	0.1 %	1.2 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LLOQ
Analysis started at: 3/10/2025 07:00:14
Comments <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0052 ppm	0.1031 ppm	0.0047 ppm	0.0311 ppm	0.0100 ppm	0.0052 ppm	0.1164 ppm
Concentration per Run 1	0.0050 ppm	0.0965 ppm	0.0058 ppm	0.0309 ppm	0.0098 ppm	0.0051 ppm	0.1146 ppm
Concentration per Run 2	0.0052 ppm	0.1050 ppm	0.0040 ppm	0.0309 ppm	0.0101 ppm	0.0053 ppm	0.1161 ppm
Concentration per Run 3	0.0053 ppm	0.1078 ppm	0.0043 ppm	0.0313 ppm	0.0101 ppm	0.0053 ppm	0.1186 ppm
Recovery Percentage 1	103.297 %	103.124 %	94.376 %	103.532 %	100.178 %	104.497 %	116.445 %
Concentration RSD	3.2 %	5.7 %	20.7 %	0.8 %	1.7 %	1.3 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0043 ppm	0.0100 ppm	0.0101 ppm	0.0102 ppm	0.0580 ppm	2.6915 ppm	0.0104 ppm
Concentration per Run 1	0.0043 ppm	0.0101 ppm	0.0099 ppm	0.0103 ppm	0.0567 ppm	2.6468 ppm	0.0102 ppm
Concentration per Run 2	0.0043 ppm	0.0101 ppm	0.0103 ppm	0.0103 ppm	0.0583 ppm	2.7064 ppm	0.0107 ppm
Concentration per Run 3	0.0043 ppm	0.0098 ppm	0.0102 ppm	0.0102 ppm	0.0590 ppm	2.7212 ppm	0.0105 ppm
Recovery Percentage 1	107.841 %	100.160 %	101.389 %	102.449 %	116.000 %	107.659 %	104.447 %
Concentration RSD	0.2 %	1.6 %	2.1 %	0.8 %	2.0 %	1.5 %	2.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1060 ppm	0.0107 ppm	0.0511 ppm	2.0773 ppm	0.0192 ppm	0.0090 ppm	0.0530 ppm
Concentration per Run 1	0.1067 ppm	0.0106 ppm	0.0512 ppm	2.0467 ppm	0.0191 ppm	0.0110 ppm	0.0532 ppm
Concentration per Run 2	0.1077 ppm	0.0107 ppm	0.0513 ppm	2.0918 ppm	0.0188 ppm	0.0076 ppm	0.0535 ppm
Concentration per Run 3	0.1037 ppm	0.0108 ppm	0.0510 ppm	2.0932 ppm	0.0197 ppm	0.0084 ppm	0.0523 ppm
Recovery Percentage 1	106.019 %	106.878 %	102.267 %	103.863 %	76.801 %	90.012 %	106.026 %
Concentration RSD	2.0 %	0.6 %	0.3 %	1.3 %	2.5 %	20.2 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0109 ppm	0.5656 ppm	0.0543 ppm	0.0104 ppm	0.0103 ppm	0.0147 ppm	0.0101 ppm
Concentration per Run 1	0.0084 ppm	0.5642 ppm	0.0541 ppm	0.0102 ppm	0.0104 ppm	0.0167 ppm	0.0099 ppm
Concentration per Run 2	0.0104 ppm	0.5657 ppm	0.0544 ppm	0.0105 ppm	0.0101 ppm	0.0146 ppm	0.0102 ppm
Concentration per Run 3	0.0139 ppm	0.5669 ppm	0.0544 ppm	0.0105 ppm	0.0103 ppm	0.0127 ppm	0.0104 ppm
Recovery Percentage 1	108.994 %	113.119 %	108.522 %	103.833 %	102.832 %	73.305 %	101.386 %
Concentration RSD	25.5 %	0.2 %	0.3 %	1.5 %	1.3 %	13.7 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0044 ppm	101.0466 %	100.7189 %	99.6928 %	101.8920 %	97.4754 %	101.5654 %
Concentration per Run 1	0.0047 ppm	102.2723 %	100.5475 %	99.6604 %	103.2807 %	97.7785 %	101.5125 %
Concentration per Run 2	0.0043 ppm	100.6962 %	100.6180 %	99.6716 %	101.4871 %	97.2833 %	101.4399 %
Concentration per Run 3	0.0043 ppm	100.1711 %	100.9910 %	99.7464 %	100.9081 %	97.3645 %	101.7437 %
Recovery Percentage 1	88.935 %						
Concentration RSD	5.1 %	1.1 %	0.2 %	0.0 %	1.2 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: ICSA
Analysis started at: 3/10/2025 07:05:24
Comments <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0007 ppm	519.6785 [SIC 500]	-0.0024 ppm	-0.0030 ppm	0.0014 ppm	0.0000 ppm	476.8468 ppm
Concentration per Run 1	0.0006 ppm	515.1611 ppm	-0.0010 ppm	-0.0033 ppm	0.0014 ppm	0.0000 ppm	473.7553 ppm
Concentration per Run 2	0.0008 ppm	521.4810 ppm	-0.0062 ppm	-0.0029 ppm	0.0014 ppm	0.0000 ppm	478.5817 ppm
Concentration per Run 3	0.0006 ppm	522.3934 ppm	0.0001 ppm	-0.0027 ppm	0.0014 ppm	-0.0001 ppm	478.2034 ppm
Recovery Percentage 1	13.444 %	519,678.516 %	-47.059 %	-9.846 %	13.829 %	-0.774 %	476,846.787 %
Concentration RSD	16.7 %	0.8 %	144.5 %	11.5 %	1.6 %	39.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0087 ppm	0.0008 ppm	-0.0007 ppm	0.0021 ppm	183.0539 ppm	-0.0139 ppm	-0.0097 ppm
Concentration per Run 1	-0.0085 ppm	0.0010 ppm	-0.0008 ppm	0.0021 ppm	180.5422 ppm	0.0006 ppm	-0.0096 ppm
Concentration per Run 2	-0.0088 ppm	0.0009 ppm	-0.0002 ppm	0.0020 ppm	183.6651 ppm	-0.0269 ppm	-0.0101 ppm
Concentration per Run 3	-0.0087 ppm	0.0004 ppm	-0.0010 ppm	0.0024 ppm	184.9544 ppm	-0.0155 ppm	-0.0094 ppm
Recovery Percentage 1	-216.312 %	3.888 %	-6.883 %	21.407 %	366,107.792 %	-0.557 %	-97.094 %
Concentration RSD	1.7 %	41.1 %	58.3 %	9.1 %	1.2 %	99.2 %	3.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	483.2789 ppm	0.0020 ppm	-0.0029 ppm	0.0211 ppm	-0.0036 ppm	-0.0064 ppm	-0.0207 ppm
Concentration per Run 1	478.7111 ppm	0.0016 ppm	-0.0028 ppm	0.0229 ppm	-0.0041 ppm	-0.0059 ppm	-0.0186 ppm
Concentration per Run 2	486.6225 ppm	0.0021 ppm	-0.0033 ppm	0.0187 ppm	-0.0031 ppm	-0.0056 ppm	-0.0235 ppm
Concentration per Run 3	484.5032 ppm	0.0022 ppm	-0.0025 ppm	0.0217 ppm	-0.0036 ppm	-0.0077 ppm	-0.0200 ppm
Recovery Percentage 1	483,278.934 %	19.713 %	-5.711 %	1.057 %	-14.526 %	-64.141 %	-41.418 %
Concentration RSD	0.8 %	16.2 %	13.2 %	10.3 %	13.7 %	17.8 %	12.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0039 ppm	0.0017 ppm	0.0042 ppm	0.0058 ppm	0.0004 ppm	-0.0081 ppm	0.0015 ppm
Concentration per Run 1	0.0052 ppm	0.0017 ppm	0.0050 ppm	0.0057 ppm	0.0001 ppm	-0.0061 ppm	0.0016 ppm
Concentration per Run 2	0.0037 ppm	0.0007 ppm	0.0026 ppm	0.0058 ppm	0.0008 ppm	-0.0083 ppm	0.0014 ppm
Concentration per Run 3	0.0028 ppm	0.0027 ppm	0.0049 ppm	0.0059 ppm	0.0003 ppm	-0.0099 ppm	0.0016 ppm
Recovery Percentage 1	39.104 %	0.340 %	8.338 %	57.954 %	3.885 %	-40.472 %	15.257 %
Concentration RSD	31.9 %	58.9 %	32.6 %	1.5 %	91.7 %	23.6 %	7.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0043 ppm	94.3501 %	88.8701 %	89.6082 %	94.7209 %	86.7346 %	89.4824 %
Concentration per Run 1	-0.0040 ppm	94.6659 %	89.0987 %	89.2650 %	95.2596 %	86.7252 %	89.6472 %
Concentration per Run 2	-0.0045 ppm	94.4548 %	89.1214 %	89.8732 %	94.7376 %	86.8084 %	89.8554 %
Concentration per Run 3	-0.0043 ppm	93.9294 %	88.3903 %	89.6864 %	94.1655 %	86.6701 %	88.9447 %
Recovery Percentage 1	-85.005 %						
Concentration RSD	6.5 %	0.4 %	0.5 %	0.3 %	0.6 %	0.1 %	0.5 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: SIC Multi
Analysis started at: 3/10/2025 07:30:35
Comments <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0497 ppm	-0.0029 ppm	0.0011 ppm	0.0002 ppm	-0.0002 ppm	-0.0017 ppm
Concentration per Run 1	0.0001 ppm	-0.0450 ppm	-0.0025 ppm	0.0016 ppm	0.0001 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run 2	0.0004 ppm	-0.0518 ppm	-0.0024 ppm	0.0010 ppm	0.0002 ppm	-0.0002 ppm	-0.0048 ppm
Concentration per Run 3	0.0006 ppm	-0.0524 ppm	-0.0036 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	7.065 %	-49.719 %	-57.479 %	3.709 %	1.679 %	-3.695 %	-1.654 %
Concentration RSD	75.2 %	8.3 %	23.0 %	42.2 %	32.5 %	30.4 %	165.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	-0.0134 ppm	19.6869 ppm	0.0050 ppm	-0.0070 ppm	0.0101 ppm	-0.0004 ppm
Concentration per Run 1	-0.0020 ppm	-0.0137 ppm	19.6717 ppm	0.0052 ppm	-0.0076 ppm	-0.0038 ppm	-0.0007 ppm
Concentration per Run 2	-0.0020 ppm	-0.0134 ppm	19.7302 ppm	0.0050 ppm	-0.0064 ppm	0.0173 ppm	0.0000 ppm
Concentration per Run 3	-0.0022 ppm	-0.0132 ppm	19.6587 ppm	0.0050 ppm	-0.0069 ppm	0.0167 ppm	-0.0006 ppm
Recovery Percentage 1	-51.804 %	-67.225 %	196,868.597 %	50.487 %	-13.987 %	0.403 %	-4.387 %
Concentration RSD	4.0 %	1.6 %	0.2 %	2.8 %	8.4 %	119.3 %	88.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0154 ppm	20.3328 [SIC 40]	-0.0038 ppm	0.0079 ppm	0.0003 ppm	0.0003 ppm	-0.0377 ppm
Concentration per Run 1	-0.0170 ppm	19.8592 ppm	-0.0040 ppm	0.0058 ppm	0.0008 ppm	0.0006 ppm	-0.0372 ppm
Concentration per Run 2	-0.0157 ppm	20.4077 ppm	-0.0036 ppm	0.0096 ppm	-0.0004 ppm	-0.0005 ppm	-0.0400 ppm
Concentration per Run 3	-0.0135 ppm	20.7314 ppm	-0.0039 ppm	0.0085 ppm	0.0005 ppm	0.0006 ppm	-0.0361 ppm
Recovery Percentage 1	-15.430 %	203,327.919 %	-7.633 %	0.397 %	1.260 %	2.575 %	-75.475 %
Concentration RSD	11.6 %	2.2 %	5.2 %	24.7 %	205.8 %	239.2 %	5.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0031 ppm	-0.0208 ppm	-0.0025 ppm	0.0002 ppm	19.3639 ppm	-0.0156 ppm	10.1074 [SIC 10]
Concentration per Run 1	-0.0047 ppm	-0.0205 ppm	-0.0033 ppm	0.0002 ppm	19.4150 ppm	-0.0153 ppm	10.1232 ppm
Concentration per Run 2	-0.0032 ppm	-0.0206 ppm	-0.0027 ppm	0.0003 ppm	19.3144 ppm	-0.0125 ppm	10.1093 ppm
Concentration per Run 3	-0.0015 ppm	-0.0214 ppm	-0.0014 ppm	0.0002 ppm	19.3622 ppm	-0.0190 ppm	10.0898 ppm
Recovery Percentage 1	-31.131 %	-4.161 %	-5.010 %	2.286 %	193,638.622 %	-77.976 %	101,074.055 %
Concentration RSD	51.7 %	2.4 %	38.3 %	29.6 %	0.3 %	20.7 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0059 ppm	100.4968 %	100.7406 %	100.7625 %	101.5302 %	97.8032 %	102.0858 %
Concentration per Run 1	-0.0059 ppm	101.5533 %	100.6914 %	100.5075 %	102.6341 %	98.0261 %	102.0892 %
Concentration per Run 2	-0.0056 ppm	100.1271 %	100.7914 %	100.9471 %	101.3394 %	97.8697 %	102.0698 %
Concentration per Run 3	-0.0063 ppm	99.8099 %	100.7389 %	100.8329 %	100.6170 %	97.5139 %	102.0985 %
Recovery Percentage 1	-118.609 %						
Concentration RSD	5.3 %	0.9 %	0.0 %	0.2 %	1.0 %	0.3 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR Check
Analysis started at: 3/10/2025 07:36:11
Comments <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0027 ppm	0.2284 ppm	16.9124 ppm	17.4084 [SIC 20]	19.1549 ppm	5.0568 ppm	0.0197 ppm
Concentration per Run 1	0.0031 ppm	0.2288 ppm	16.9119 ppm	17.3674 ppm	19.2476 ppm	5.0723 ppm	0.0207 ppm
Concentration per Run 2	0.0025 ppm	0.2289 ppm	16.8621 ppm	17.3541 ppm	19.2944 ppm	5.1063 ppm	0.0218 ppm
Concentration per Run 3	0.0026 ppm	0.2274 ppm	16.9632 ppm	17.5037 ppm	18.9226 ppm	4.9917 ppm	0.0164 ppm
Recovery Percentage 1	0.000 %	0.000 %	84.562 %	87.042 %	95.774 %	101.135 %	0.000 %
Concentration RSD	12.7 %	0.4 %	0.3 %	0.5 %	1.1 %	1.2 %	14.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	4.2120 ppm	4.3825 ppm	0.0035 ppm	20.5699 [SIC 20]	-0.0219 ppm	495.2622 ppm	20.3901 ppm
Concentration per Run 1	4.2117 ppm	4.3776 ppm	0.0025 ppm	20.6976 ppm	-0.0225 ppm	500.9131 ppm	20.4408 ppm
Concentration per Run 2	4.1918 ppm	4.3668 ppm	0.0049 ppm	20.5229 ppm	-0.0216 ppm	498.8164 ppm	20.4094 ppm
Concentration per Run 3	4.2326 ppm	4.4031 ppm	0.0030 ppm	20.4891 ppm	-0.0215 ppm	486.0572 ppm	20.3201 ppm
Recovery Percentage 1	84.241 %	87.650 %	0.000 %	102.849 %	0.000 %	99.052 %	101.950 %
Concentration RSD	0.5 %	0.4 %	35.9 %	0.5 %	2.6 %	1.6 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0514 ppm	0.0021 ppm	4.3593 [SIC 20]	433.4096 [SIC 500]	8.5015 ppm	46.3976 ppm	4.5086 ppm
Concentration per Run 1	-0.0536 ppm	0.0017 ppm	4.3584 ppm	449.5554 ppm	8.4935 ppm	46.3628 ppm	4.4936 ppm
Concentration per Run 2	-0.0496 ppm	0.0021 ppm	4.3442 ppm	431.8846 ppm	8.4735 ppm	46.2190 ppm	4.5007 ppm
Concentration per Run 3	-0.0511 ppm	0.0024 ppm	4.3754 ppm	418.7889 ppm	8.5375 ppm	46.6111 ppm	4.5314 ppm
Recovery Percentage 1	0.000 %	0.000 %	87.187 %	86.682 %	85.015 %	92.795 %	90.171 %
Concentration RSD	4.0 %	16.0 %	0.4 %	3.6 %	0.4 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	4.1926 [SIC 20]	19.6900 ppm	8.7897 [SIC 20]	5.0785 ppm	0.0044 ppm	4.7439 ppm	-0.0093 ppm
Concentration per Run 1	4.2019 ppm	19.6468 ppm	8.7950 ppm	5.0182 ppm	0.0033 ppm	4.7484 ppm	-0.0098 ppm
Concentration per Run 2	4.1763 ppm	19.6305 ppm	8.7540 ppm	5.1099 ppm	0.0057 ppm	4.7213 ppm	-0.0085 ppm
Concentration per Run 3	4.1997 ppm	19.7926 ppm	8.8201 ppm	5.1074 ppm	0.0043 ppm	4.7620 ppm	-0.0096 ppm
Recovery Percentage 1	83.852 %	98.450 %	87.897 %	101.570 %	0.000 %	94.878 %	0.000 %
Concentration RSD	0.3 %	0.5 %	0.4 %	1.0 %	26.8 %	0.4 %	7.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	16.4647 ppm	95.9193 %	89.6080 %	98.0621 %	96.7446 %	114.2487 %	89.8386 %
Concentration per Run 1	16.4745 ppm	95.9331 %	89.5921 %	98.1268 %	96.8553 %	114.5400 %	89.7816 %
Concentration per Run 2	16.3832 ppm	95.6158 %	89.5234 %	98.1463 %	96.3622 %	114.6316 %	89.7627 %
Concentration per Run 3	16.5365 ppm	96.2091 %	89.7084 %	97.9133 %	97.0163 %	113.5746 %	89.9714 %
Recovery Percentage 1	82.324 %						
Concentration RSD	0.5 %	0.3 %	0.1 %	0.1 %	0.4 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LLOQ 0.01 pass
Analysis started at: 3/10/2025 08:25:38
Comments <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0099 ppm	0.0133 ppm	0.0108 ppm	**0.0156 ppm**	0.0102 ppm	0.0104 ppm	0.0101 ppm
Concentration per Run 1	0.0099 ppm	0.0089 ppm	0.0105 ppm	0.0157 ppm	0.0100 ppm	0.0103 ppm	0.0110 ppm
Concentration per Run 2	0.0098 ppm	0.0152 ppm	0.0102 ppm	0.0153 ppm	0.0103 ppm	0.0105 ppm	0.0084 ppm
Concentration per Run 3	0.0099 ppm	0.0157 ppm	0.0116 ppm	0.0158 ppm	0.0103 ppm	0.0105 ppm	0.0110 ppm
Recovery Percentage 1	0.000 %	0.000 %	107.540 %	155.835 %	102.115 %	0.000 %	0.000 %
Concentration RSD	0.4 %	28.7 %	6.9 %	**1.6 %**	1.9 %	1.3 %	14.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0107 ppm	0.0102 ppm	0.0102 ppm	0.0104 ppm	0.0118 ppm	0.1420 ppm	0.0115 ppm
Concentration per Run 1	0.0107 ppm	0.0102 ppm	0.0101 ppm	0.0106 ppm	0.0115 ppm	0.1311 ppm	0.0109 ppm
Concentration per Run 2	0.0106 ppm	0.0102 ppm	0.0102 ppm	0.0104 ppm	0.0123 ppm	0.1543 ppm	0.0118 ppm
Concentration per Run 3	0.0107 ppm	0.0101 ppm	0.0102 ppm	0.0104 ppm	0.0116 ppm	0.1407 ppm	0.0117 ppm
Recovery Percentage 1	0.000 %	101.649 %	101.674 %	104.359 %	0.000 %	0.000 %	114.748 %
Concentration RSD	0.4 %	0.4 %	0.3 %	1.0 %	3.4 %	8.2 %	4.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0120 ppm	0.0106 ppm	0.0101 ppm	0.2229 ppm	0.0102 ppm	0.0093 ppm	0.0104 ppm
Concentration per Run 1	0.0121 ppm	0.0105 ppm	0.0102 ppm	0.2156 ppm	0.0104 ppm	0.0100 ppm	0.0090 ppm
Concentration per Run 2	0.0135 ppm	0.0107 ppm	0.0101 ppm	0.2269 ppm	0.0103 ppm	0.0089 ppm	0.0112 ppm
Concentration per Run 3	0.0106 ppm	0.0107 ppm	0.0100 ppm	0.2261 ppm	0.0099 ppm	0.0090 ppm	0.0109 ppm
Recovery Percentage 1	0.000 %	106.320 %	100.980 %	0.000 %	101.942 %	92.991 %	0.000 %
Concentration RSD	12.1 %	0.9 %	0.7 %	2.8 %	2.5 %	6.6 %	11.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	**0.0124 ppm**	0.1170 ppm	0.0103 ppm	0.0103 ppm	0.0102 ppm	0.0087 ppm	0.0100 ppm
Concentration per Run 1	0.0126 ppm	0.1181 ppm	0.0109 ppm	0.0102 ppm	0.0102 ppm	0.0080 ppm	0.0099 ppm
Concentration per Run 2	0.0111 ppm	0.1173 ppm	0.0094 ppm	0.0104 ppm	0.0104 ppm	0.0066 ppm	0.0101 ppm
Concentration per Run 3	0.0135 ppm	0.1158 ppm	0.0105 ppm	0.0104 ppm	0.0100 ppm	0.0115 ppm	0.0101 ppm
Recovery Percentage 1	123.790 %	0.000 %	102.720 %	103.223 %	102.136 %	86.956 %	100.490 %
Concentration RSD	**9.8 %**	1.0 %	7.5 %	1.4 %	2.0 %	28.7 %	1.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0093 ppm	101.7873 %	101.3807 %	101.7220 %	102.8468 %	99.3491 %	103.0021 %
Concentration per Run 1	0.0096 ppm	103.2224 %	101.4727 %	101.7475 %	104.5763 %	99.2642 %	103.1004 %
Concentration per Run 2	0.0094 ppm	101.0221 %	101.3988 %	101.4760 %	102.0139 %	99.2762 %	103.0411 %
Concentration per Run 3	0.0090 ppm	101.1174 %	101.2706 %	101.9425 %	101.9501 %	99.5068 %	102.8647 %
Recovery Percentage 1	93.194 %						
Concentration RSD	3.6 %	1.2 %	0.1 %	0.2 %	1.5 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: IEC 500 Al +Pb
Analysis started at: 3/10/2025 08:30:48
Comments <Comment>
Rack: 1
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	503.4283 [SIC 500]	0.0031 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0767 ppm
Concentration per Run 1	-0.0003 ppm	500.9713 ppm	0.0026 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0770 ppm
Concentration per Run 2	0.0002 ppm	505.6842 ppm	0.0022 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0774 ppm
Concentration per Run 3	0.0001 ppm	503.6296 ppm	0.0045 ppm	0.0020 ppm	0.0001 ppm	0.0000 ppm	-0.0757 ppm
Recovery Percentage 1	-0.328 %	503,428.339 %	62.133 %	5.109 %	0.313 %	0.100 %	-76.675 %
Concentration RSD	1,806.0 %	0.5 %	40.4 %	26.1 %	185.8 %	166.8 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0032 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0021 ppm	0.0556 ppm	0.0010 ppm
Concentration per Run 1	-0.0032 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	-0.0025 ppm	0.0498 ppm	0.0014 ppm
Concentration per Run 2	-0.0032 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0018 ppm	0.0515 ppm	0.0004 ppm
Concentration per Run 3	-0.0032 ppm	0.0006 ppm	0.0002 ppm	-0.0001 ppm	-0.0018 ppm	0.0654 ppm	0.0012 ppm
Recovery Percentage 1	-79.151 %	2.450 %	1.428 %	-0.039 %	-4.138 %	2.223 %	10.027 %
Concentration RSD	0.7 %	37.5 %	82.0 %	2,444.9 %	18.7 %	15.3 %	55.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	0.0008 ppm	-0.0013 ppm	0.0273 ppm	0.0014 ppm	0.0000 ppm	-0.0102 ppm
Concentration per Run 1	0.0050 ppm	0.0009 ppm	-0.0011 ppm	0.0253 ppm	0.0011 ppm	-0.0012 ppm	-0.0094 ppm
Concentration per Run 2	0.0015 ppm	0.0007 ppm	-0.0017 ppm	0.0241 ppm	0.0015 ppm	0.0023 ppm	-0.0086 ppm
Concentration per Run 3	0.0013 ppm	0.0009 ppm	-0.0011 ppm	0.0325 ppm	0.0015 ppm	-0.0011 ppm	-0.0125 ppm
Recovery Percentage 1	2.594 %	8.255 %	-2.618 %	1.365 %	5.428 %	-0.072 %	-20.350 %
Concentration RSD	80.1 %	17.2 %	24.8 %	16.6 %	19.3 %	27,873.7 %	20.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	-0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0098 ppm	-0.0002 ppm
Concentration per Run 1	0.0021 ppm	-0.0015 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0071 ppm	-0.0003 ppm
Concentration per Run 2	0.0026 ppm	-0.0005 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0129 ppm	0.0001 ppm
Concentration per Run 3	0.0051 ppm	-0.0018 ppm	-0.0011 ppm	0.0001 ppm	0.0002 ppm	-0.0095 ppm	-0.0003 ppm
Recovery Percentage 1	32.810 %	-0.247 %	0.508 %	0.417 %	1.101 %	-49.072 %	-1.825 %
Concentration RSD	48.7 %	55.4 %	476.4 %	90.9 %	127.2 %	29.8 %	118.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0008 ppm	101.4159 %	95.6061 %	95.6575 %	103.6089 %	91.4265 %	98.6488 %
Concentration per Run 1	-0.0011 ppm	101.6947 %	95.6255 %	95.6558 %	104.0785 %	91.6574 %	98.6137 %
Concentration per Run 2	-0.0006 ppm	101.2942 %	95.5304 %	95.8020 %	103.2486 %	91.7647 %	98.6162 %
Concentration per Run 3	-0.0007 ppm	101.2589 %	95.6624 %	95.5147 %	103.4998 %	90.8574 %	98.7164 %
Recovery Percentage 1	-16.108 %						
Concentration RSD	31.2 %	0.2 %	0.1 %	0.2 %	0.4 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: IEC 10 V -TI
Analysis started at: 3/10/2025 08:36:03
Comments <Comment>
Rack: 1
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0185 ppm	-0.0005 ppm	0.0049 ppm	0.0001 ppm	0.0003 ppm	-0.0084 ppm
Concentration per Run 1	-0.0001 ppm	0.0157 ppm	-0.0008 ppm	0.0049 ppm	0.0001 ppm	0.0003 ppm	-0.0057 ppm
Concentration per Run 2	0.0006 ppm	0.0183 ppm	-0.0011 ppm	0.0049 ppm	0.0000 ppm	0.0003 ppm	-0.0079 ppm
Concentration per Run 3	0.0004 ppm	0.0216 ppm	0.0004 ppm	0.0049 ppm	0.0001 ppm	0.0003 ppm	-0.0116 ppm
Recovery Percentage 1	5.521 %	18.497 %	-9.966 %	16.402 %	0.821 %	6.806 %	-8.411 %
Concentration RSD	131.9 %	16.0 %	155.6 %	0.6 %	72.0 %	2.0 %	35.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0004 ppm	0.0032 ppm	0.0339 ppm	-0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0003 ppm	0.0033 ppm	0.0352 ppm	-0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0003 ppm	0.0034 ppm	0.0321 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0011 ppm	0.0006 ppm	0.0031 ppm	0.0345 ppm	-0.0002 ppm
Recovery Percentage 1	1.727 %	-0.091 %	12.350 %	3.880 %	6.482 %	1.357 %	-0.648 %
Concentration RSD	134.4 %	164.1 %	6.6 %	37.8 %	5.1 %	4.9 %	761.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	-0.0001 ppm	-0.0040 ppm	0.0106 ppm	0.0000 ppm	-0.0016 ppm	-0.0096 ppm
Concentration per Run 1	0.0049 ppm	0.0000 ppm	-0.0040 ppm	0.0129 ppm	0.0005 ppm	-0.0023 ppm	-0.0085 ppm
Concentration per Run 2	0.0017 ppm	-0.0002 ppm	-0.0040 ppm	0.0079 ppm	-0.0002 ppm	-0.0027 ppm	-0.0103 ppm
Concentration per Run 3	0.0010 ppm	0.0000 ppm	-0.0040 ppm	0.0108 ppm	-0.0003 ppm	0.0001 ppm	-0.0099 ppm
Recovery Percentage 1	2.560 %	-0.739 %	-7.998 %	0.528 %	0.156 %	-16.488 %	-19.178 %
Concentration RSD	81.0 %	171.5 %	0.9 %	24.1 %	1,129.1 %	91.1 %	9.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	10.0170 [SIC 10]
Concentration per Run 1	-0.0007 ppm	-0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0003 ppm	-0.0008 ppm	10.0363 ppm
Concentration per Run 2	0.0025 ppm	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	10.0016 ppm
Concentration per Run 3	0.0035 ppm	0.0014 ppm	0.0014 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	10.0130 ppm
Recovery Percentage 1	17.494 %	0.081 %	1.679 %	0.335 %	1.126 %	0.085 %	100,169.721 %
Concentration RSD	126.6 %	207.3 %	104.2 %	55.1 %	147.7 %	4,551.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0011 ppm	101.0308 %	101.5421 %	100.9309 %	102.5632 %	98.2146 %	103.7136 %
Concentration per Run 1	-0.0010 ppm	101.9305 %	101.4542 %	101.0975 %	103.9303 %	97.9469 %	103.6155 %
Concentration per Run 2	-0.0012 ppm	100.8119 %	101.6767 %	100.7064 %	102.1439 %	98.0231 %	103.8933 %
Concentration per Run 3	-0.0010 ppm	100.3499 %	101.4953 %	100.9888 %	101.6154 %	98.6737 %	103.6320 %
Recovery Percentage 1	-21.573 %						
Concentration RSD	13.9 %	0.8 %	0.1 %	0.2 %	1.2 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 400 Na pass
Analysis started at: 3/10/2025 08:41:13
Comments <Comment>
Rack: 1
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0037 ppm	-0.0011 ppm	0.0037 ppm	0.0001 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 1	0.0003 ppm	0.0052 ppm	-0.0021 ppm	0.0037 ppm	0.0001 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 2	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0039 ppm	0.0001 ppm	0.0000 ppm	0.0056 ppm
Concentration per Run 3	0.0004 ppm	0.0061 ppm	-0.0013 ppm	0.0033 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration RSD	39.8 %	92.2 %	98.5 %	9.4 %	27.5 %	156.6 %	33.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0093 ppm	0.1617 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0093 ppm	0.1112 ppm	0.0009 ppm
Concentration per Run 2	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0098 ppm	0.1702 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0005 ppm	-0.0087 ppm	0.2038 ppm	0.0020 ppm
Concentration RSD	83.2 %	159.7 %	100.3 %	21.8 %	5.9 %	29.0 %	54.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0006 ppm	0.0001 ppm	0.0000 ppm	368.0681 ppm	-0.0004 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	-0.0006 ppm	0.0000 ppm	0.0001 ppm	369.2914 ppm	-0.0007 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0018 ppm	0.0002 ppm	0.0000 ppm	367.1867 ppm	-0.0005 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run 3	-0.0031 ppm	0.0002 ppm	-0.0001 ppm	367.7262 ppm	-0.0001 ppm	0.0016 ppm	-0.0008 ppm
Concentration RSD	374.9 %	95.5 %	5,479.5 %	0.3 %	71.2 %	72.9 %	2,045.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 1	0.0012 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run 2	0.0011 ppm	0.0013 ppm	0.0009 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0010 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm	0.0008 ppm
Concentration RSD	100.6 %	36.5 %	84.1 %	315.0 %	342.8 %	417,066.4 %	5.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0011 ppm	98.5051 %	93.8501 %	103.7310 %	100.5349 %	105.2550 %	95.9073 %
Concentration per Run 1	-0.0012 ppm	99.2187 %	93.8869 %	103.8076 %	101.5087 %	105.5357 %	95.9306 %
Concentration per Run 2	-0.0010 ppm	98.3132 %	93.9438 %	103.8930 %	100.3959 %	105.2861 %	96.0691 %
Concentration per Run 3	-0.0010 ppm	97.9834 %	93.7197 %	103.4922 %	99.7002 %	104.9432 %	95.7221 %
Concentration RSD	13.8 %	0.6 %	0.1 %	0.2 %	0.9 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 10 Ni pass
Analysis started at: 3/10/2025 08:46:33
Comments <Comment>
Rack: 1
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0029 ppm	-0.0002 ppm	0.0036 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0048 ppm	0.0004 ppm	0.0040 ppm	0.0000 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 2	-0.0001 ppm	0.0030 ppm	-0.0005 ppm	0.0032 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 3	-0.0002 ppm	0.0008 ppm	-0.0005 ppm	0.0035 ppm	0.0001 ppm	0.0000 ppm	-0.0022 ppm
Concentration RSD	128.7 %	68.9 %	250.0 %	10.2 %	172.7 %	95.0 %	331.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0016 ppm	-0.0001 ppm	0.0004 ppm	-0.0115 ppm	0.0476 ppm	0.0006 ppm
Concentration per Run 1	0.0002 ppm	0.0014 ppm	-0.0002 ppm	0.0005 ppm	-0.0118 ppm	0.0587 ppm	0.0006 ppm
Concentration per Run 2	0.0002 ppm	0.0017 ppm	0.0002 ppm	0.0004 ppm	-0.0115 ppm	0.0329 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	0.0015 ppm	-0.0003 ppm	0.0003 ppm	-0.0113 ppm	0.0511 ppm	0.0002 ppm
Concentration RSD	15.2 %	10.4 %	245.4 %	31.2 %	2.2 %	27.9 %	66.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	0.0000 ppm	0.0004 ppm	0.1074 ppm	10.2197 [SIC 20]	0.0004 ppm	-0.0173 ppm
Concentration per Run 1	0.0019 ppm	0.0002 ppm	0.0006 ppm	0.1157 ppm	10.1962 ppm	-0.0003 ppm	-0.0177 ppm
Concentration per Run 2	0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.1081 ppm	10.1904 ppm	-0.0004 ppm	-0.0167 ppm
Concentration per Run 3	0.0011 ppm	0.0000 ppm	0.0004 ppm	0.0983 ppm	10.2723 ppm	0.0021 ppm	-0.0175 ppm
Concentration RSD	62.1 %	383.3 %	40.5 %	8.1 %	0.4 %	314.4 %	3.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.0005 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 1	-0.0019 ppm	0.0016 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 2	-0.0008 ppm	-0.0001 ppm	0.0021 ppm	0.0000 ppm	-0.0001 ppm	-0.0018 ppm	0.0004 ppm
Concentration per Run 3	-0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	0.0003 ppm
Concentration RSD	76.0 %	161.2 %	61.2 %	21.1 %	165.7 %	303.6 %	18.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0011 ppm	101.2494 %	101.2186 %	100.6972 %	101.5833 %	98.4206 %	102.0740 %
Concentration per Run 1	-0.0011 ppm	102.5434 %	101.3543 %	101.0836 %	103.0612 %	98.7386 %	102.2786 %
Concentration per Run 2	-0.0013 ppm	100.6538 %	100.8473 %	100.8277 %	100.8829 %	98.5499 %	101.7881 %
Concentration per Run 3	-0.0009 ppm	100.5509 %	101.4544 %	100.1802 %	100.8059 %	97.9733 %	102.1554 %
Concentration RSD	16.7 %	1.1 %	0.3 %	0.5 %	1.3 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 20 Zn pass
Analysis started at: 3/10/2025 08:51:44
Comments <Comment>
Rack: 1
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0009 ppm	0.0008 ppm	0.0029 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0033 ppm	0.0005 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 2	-0.0002 ppm	-0.0022 ppm	0.0011 ppm	0.0028 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	0.0018 ppm	0.0027 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm
Concentration RSD	62.8 %	131.1 %	148.5 %	9.4 %	7.4 %	35.2 %	2,386.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0357 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	0.0427 ppm	0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0014 ppm	0.0397 ppm	0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0246 ppm	0.0004 ppm
Concentration RSD	53.4 %	78.6 %	182.0 %	22.1 %	38.3 %	27.2 %	55.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0002 ppm	0.0005 ppm	0.0438 ppm	0.0024 ppm	-0.0009 ppm	-0.0034 ppm
Concentration per Run 1	0.0025 ppm	0.0003 ppm	0.0005 ppm	0.0445 ppm	0.0022 ppm	-0.0014 ppm	-0.0033 ppm
Concentration per Run 2	0.0030 ppm	0.0002 ppm	0.0003 ppm	0.0460 ppm	0.0027 ppm	-0.0014 ppm	-0.0030 ppm
Concentration per Run 3	0.0006 ppm	0.0001 ppm	0.0005 ppm	0.0408 ppm	0.0022 ppm	0.0002 ppm	-0.0038 ppm
Concentration RSD	61.9 %	56.1 %	23.9 %	6.1 %	11.7 %	106.7 %	12.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	-0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0023 ppm	0.0000 ppm
Concentration per Run 1	-0.0007 ppm	-0.0010 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	-0.0030 ppm	-0.0001 ppm
Concentration per Run 2	0.0019 ppm	-0.0009 ppm	0.0005 ppm	0.0001 ppm	-0.0002 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 3	-0.0009 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0025 ppm	0.0002 ppm
Concentration RSD	2,243.1 %	53.3 %	554.5 %	10.7 %	4,731.4 %	39.1 %	388.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	**20.2056 [SIC 20]**	101.6547 %	101.5824 %	101.0247 %	101.7819 %	99.5591 %	102.0857 %
Concentration per Run 1	20.2447 ppm	102.7661 %	101.6322 %	101.1705 %	103.1553 %	99.5247 %	102.0741 %
Concentration per Run 2	20.2062 ppm	100.9705 %	101.7188 %	100.9090 %	100.9868 %	99.6691 %	102.2196 %
Concentration per Run 3	20.1659 ppm	101.2275 %	101.3962 %	100.9946 %	101.2037 %	99.4837 %	101.9635 %
Concentration RSD	0.2 %	1.0 %	0.2 %	0.1 %	1.2 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 09:39:07
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4639 ppm	0.5084 ppm	0.4999 ppm	0.4996 ppm	0.4840 ppm	0.4997 ppm	0.4866 ppm
Concentration per Run 1	0.4651 ppm	0.4994 ppm	0.5036 ppm	0.5013 ppm	0.4744 ppm	0.4895 ppm	0.4737 ppm
Concentration per Run 2	0.4641 ppm	0.5139 ppm	0.5013 ppm	0.4992 ppm	0.4886 ppm	0.5040 ppm	0.4904 ppm
Concentration per Run 3	0.4627 ppm	0.5118 ppm	0.4949 ppm	0.4982 ppm	0.4890 ppm	0.5057 ppm	0.4956 ppm
Recovery Percentage 1	92.790 %	101.674 %	99.987 %	99.915 %	96.801 %	99.945 %	97.315 %
Concentration RSD	0.3 %	1.5 %	0.9 %	0.3 %	1.7 %	1.8 %	2.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5262 ppm	0.5144 ppm	0.4848 ppm	0.4829 ppm	0.5019 ppm	5.1653 ppm	0.4904 ppm
Concentration per Run 1	0.5276 ppm	0.5162 ppm	0.4861 ppm	0.4827 ppm	0.4917 ppm	5.0720 ppm	0.4820 ppm
Concentration per Run 2	0.5258 ppm	0.5143 ppm	0.4847 ppm	0.4850 ppm	0.5073 ppm	5.2006 ppm	0.4953 ppm
Concentration per Run 3	0.5251 ppm	0.5127 ppm	0.4836 ppm	0.4810 ppm	0.5066 ppm	5.2233 ppm	0.4941 ppm
Recovery Percentage 1	105.235 %	102.877 %	96.961 %	96.580 %	100.376 %	103.306 %	98.088 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.4 %	1.8 %	1.6 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5044 ppm	0.4911 ppm	0.4879 ppm	9.8103 ppm	0.5011 ppm	0.4977 ppm	0.5128 ppm
Concentration per Run 1	0.5075 ppm	0.4809 ppm	0.4895 ppm	9.6227 ppm	0.5035 ppm	0.5005 ppm	0.5147 ppm
Concentration per Run 2	0.5007 ppm	0.4960 ppm	0.4879 ppm	9.8858 ppm	0.5011 ppm	0.4967 ppm	0.5111 ppm
Concentration per Run 3	0.5049 ppm	0.4966 ppm	0.4864 ppm	9.9223 ppm	0.4989 ppm	0.4958 ppm	0.5125 ppm
Recovery Percentage 1	100.872 %	98.225 %	97.588 %	98.103 %	100.229 %	99.536 %	102.557 %
Concentration RSD	0.7 %	1.8 %	0.3 %	1.7 %	0.5 %	0.5 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4983 ppm	5.7597 ppm	0.5240 ppm	0.4954 ppm	0.4838 ppm	0.4883 ppm	0.4835 ppm
Concentration per Run 1	0.5006 ppm	5.7752 ppm	0.5241 ppm	0.4855 ppm	0.4844 ppm	0.4907 ppm	0.4844 ppm
Concentration per Run 2	0.4968 ppm	5.7621 ppm	0.5267 ppm	0.5001 ppm	0.4841 ppm	0.4878 ppm	0.4830 ppm
Concentration per Run 3	0.4976 ppm	5.7419 ppm	0.5214 ppm	0.5008 ppm	0.4829 ppm	0.4864 ppm	0.4832 ppm
Recovery Percentage 1	99.662 %	109.709 %	104.808 %	99.088 %	96.763 %	97.662 %	96.706 %
Concentration RSD	0.4 %	0.3 %	0.5 %	1.7 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5181 ppm	101.5422 %	100.1878 %	101.7654 %	105.0658 %	98.3485 %	104.7442 %
Concentration per Run 1	0.5198 ppm	103.3937 %	100.1766 %	101.7925 %	107.2014 %	98.0551 %	104.7060 %
Concentration per Run 2	0.5175 ppm	100.8601 %	100.0229 %	101.7296 %	104.2836 %	98.3532 %	104.5874 %
Concentration per Run 3	0.5168 ppm	100.3729 %	100.3637 %	101.7742 %	103.7124 %	98.6373 %	104.9394 %
Recovery Percentage 1	103.610 %						
Concentration RSD	0.3 %	1.6 %	0.2 %	0.0 %	1.8 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 09:44:01
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0026 ppm	0.0002 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run 1	0.0001 ppm	0.0078 ppm	-0.0020 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	-0.0035 ppm
Concentration per Run 2	0.0003 ppm	0.0014 ppm	0.0008 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0049 ppm
Concentration per Run 3	0.0002 ppm	-0.0013 ppm	0.0018 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm
Recovery Percentage 1	4.193 %	2.602 %	4.338 %	4.924 %	0.451 %	0.570 %	-3.170 %
Concentration RSD	47.0 %	179.2 %	905.9 %	8.2 %	8.3 %	66.7 %	60.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0147 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0078 ppm	0.0011 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0345 ppm	0.0001 ppm
Recovery Percentage 1	3.405 %	0.419 %	-0.358 %	3.853 %	0.500 %	0.588 %	5.063 %
Concentration RSD	45.9 %	136.8 %	225.0 %	13.0 %	219.2 %	118.5 %	109.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0118 ppm	0.0003 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0118 ppm	0.0002 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0153 ppm	0.0002 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 3	0.0006 ppm	0.0003 ppm	0.0004 ppm	0.0084 ppm	0.0004 ppm	-0.0006 ppm	-0.0006 ppm
Recovery Percentage 1	0.308 %	1.619 %	0.697 %	0.592 %	1.170 %	-6.609 %	0.183 %
Concentration RSD	174.3 %	68.7 %	31.2 %	29.3 %	44.3 %	16.8 %	705.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0009 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	0.0016 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0015 ppm	0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	-0.0023 ppm	0.0004 ppm
Concentration per Run 3	-0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Recovery Percentage 1	8.100 %	0.182 %	1.801 %	0.690 %	0.841 %	-3.277 %	2.479 %
Concentration RSD	119.4 %	73.8 %	15.1 %	15.9 %	23.4 %	221.5 %	64.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0006 ppm	101.2066 %	100.4360 %	101.6686 %	103.0467 %	99.4824 %	103.3414 %
Concentration per Run 1	-0.0008 ppm	103.0511 %	100.3585 %	101.6788 %	105.2075 %	99.4266 %	103.3434 %
Concentration per Run 2	-0.0005 ppm	99.9727 %	100.4390 %	101.6918 %	101.7170 %	99.6541 %	103.3109 %
Concentration per Run 3	-0.0005 ppm	100.5958 %	100.5105 %	101.6352 %	102.2157 %	99.3664 %	103.3698 %
Recovery Percentage 1	-11.826 %						
Concentration RSD	25.1 %	1.6 %	0.1 %	0.0 %	1.8 %	0.2 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-1 WG2037928
Analysis started at: 3/10/2025 09:59:35
Comments <Comment>
Rack: 1
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0024 ppm	-0.0015 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	0.0119 ppm
Concentration per Run 1	0.0000 ppm	0.0029 ppm	-0.0014 ppm	0.0027 ppm	0.0000 ppm	0.0000 ppm	0.0120 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0007 ppm	0.0023 ppm	0.0001 ppm	0.0000 ppm	0.0132 ppm
Concentration per Run 3	0.0001 ppm	0.0043 ppm	-0.0023 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0105 ppm
Concentration RSD	261.6 %	90.8 %	54.4 %	9.1 %	850.7 %	129.6 %	11.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	0.0065 ppm	0.0305 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0007 ppm	-0.0003 ppm	0.0003 ppm	0.0062 ppm	0.0318 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0060 ppm	0.0181 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0074 ppm	0.0416 ppm	-0.0001 ppm
Concentration RSD	658.4 %	23.5 %	411.8 %	20.4 %	11.4 %	38.7 %	819.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0014 ppm	0.0003 ppm	0.0010 ppm	0.0167 ppm	-0.0011 ppm	-0.0024 ppm	0.0010 ppm
Concentration per Run 1	0.0017 ppm	0.0004 ppm	0.0008 ppm	0.0189 ppm	-0.0010 ppm	-0.0032 ppm	0.0005 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0009 ppm	0.0194 ppm	-0.0012 ppm	-0.0017 ppm	0.0019 ppm
Concentration per Run 3	0.0018 ppm	0.0002 ppm	0.0012 ppm	0.0118 ppm	-0.0010 ppm	-0.0024 ppm	0.0007 ppm
Concentration RSD	52.8 %	65.8 %	18.7 %	25.5 %	8.9 %	32.1 %	75.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	0.0110 ppm	0.0017 ppm	0.0000 ppm	0.0001 ppm	-0.0125 ppm	0.0000 ppm
Concentration per Run 1	-0.0020 ppm	0.0098 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0129 ppm	-0.0001 ppm
Concentration per Run 2	-0.0009 ppm	0.0118 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	-0.0117 ppm	-0.0001 ppm
Concentration per Run 3	0.0014 ppm	0.0114 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0127 ppm	0.0001 ppm
Concentration RSD	355.4 %	9.8 %	33.1 %	108.6 %	128.1 %	5.2 %	675.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0017 ppm	99.6932 %	99.5784 %	99.6919 %	101.7073 %	95.0454 %	102.9552 %
Concentration per Run 1	-0.0016 ppm	101.9558 %	99.5153 %	99.6214 %	104.5032 %	95.0397 %	102.8174 %
Concentration per Run 2	-0.0017 ppm	99.8350 %	99.5764 %	99.7025 %	101.5945 %	95.1129 %	102.8751 %
Concentration per Run 3	-0.0018 ppm	97.2888 %	99.6435 %	99.7519 %	99.0241 %	94.9836 %	103.1731 %
Concentration RSD	6.4 %	2.3 %	0.1 %	0.1 %	2.7 %	0.1 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-2 WG2037928
Analysis started at: 3/10/2025 10:04:47
Comments <Comment>
Rack: 1
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0481 ppm	2.1420 ppm	0.1139 ppm	1.0141 [SIC 20]	2.0513 ppm	0.0527 ppm	9.9942 ppm
Concentration per Run 1	0.0484 ppm	2.1197 ppm	0.1122 ppm	1.0028 ppm	2.0237 ppm	0.0521 ppm	9.8439 ppm
Concentration per Run 2	0.0480 ppm	2.1499 ppm	0.1146 ppm	1.0066 ppm	2.0556 ppm	0.0529 ppm	10.0263 ppm
Concentration per Run 3	0.0479 ppm	2.1564 ppm	0.1150 ppm	1.0327 ppm	2.0746 ppm	0.0532 ppm	10.1123 ppm
Concentration RSD	0.6 %	0.9 %	1.3 %	1.6 %	1.3 %	1.1 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0582 ppm	0.5360 ppm	0.2044 ppm	0.2638 ppm	1.0716 ppm	10.5581 ppm	0.0007 ppm
Concentration per Run 1	0.0576 ppm	0.5299 ppm	0.2044 ppm	0.2639 ppm	1.0592 ppm	10.4380 ppm	0.0000 ppm
Concentration per Run 2	0.0577 ppm	0.5313 ppm	0.2043 ppm	0.2635 ppm	1.0779 ppm	10.6035 ppm	0.0014 ppm
Concentration per Run 3	0.0594 ppm	0.5470 ppm	0.2044 ppm	0.2639 ppm	1.0778 ppm	10.6330 ppm	0.0008 ppm
Concentration RSD	1.7 %	1.8 %	0.0 %	0.1 %	1.0 %	1.0 %	96.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1449 ppm	0.5274 ppm	1.0030 [SIC 20]	10.3316 ppm	0.5276 ppm	0.5430 ppm	0.5325 ppm
Concentration per Run 1	10.1325 ppm	0.5207 ppm	0.9893 ppm	10.2150 ppm	0.5217 ppm	0.5367 ppm	0.5290 ppm
Concentration per Run 2	10.1541 ppm	0.5287 ppm	0.9962 ppm	10.3630 ppm	0.5228 ppm	0.5368 ppm	0.5266 ppm
Concentration per Run 3	10.1482 ppm	0.5328 ppm	1.0233 ppm	10.4169 ppm	0.5384 ppm	0.5555 ppm	0.5418 ppm
Concentration RSD	0.1 %	1.2 %	1.8 %	1.0 %	1.8 %	2.0 %	1.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1093 ppm	1.1875 ppm	1.0390 [SIC 20]	1.0169 ppm	0.9929 ppm	0.1047 ppm	0.5121 ppm
Concentration per Run 1	0.1090 ppm	1.1733 ppm	1.0246 ppm	1.0049 ppm	0.9925 ppm	0.1040 ppm	0.5112 ppm
Concentration per Run 2	0.1065 ppm	1.1784 ppm	1.0312 ppm	1.0211 ppm	0.9931 ppm	0.1031 ppm	0.5122 ppm
Concentration per Run 3	0.1124 ppm	1.2108 ppm	1.0611 ppm	1.0248 ppm	0.9931 ppm	0.1069 ppm	0.5130 ppm
Concentration RSD	2.7 %	1.7 %	1.9 %	1.0 %	0.0 %	1.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5418 ppm	99.5226 %	98.1214 %	99.5172 %	102.7511 %	96.2509 %	102.4374 %
Concentration per Run 1	0.5349 ppm	100.6000 %	98.1687 %	100.5288 %	103.9614 %	97.3564 %	102.4217 %
Concentration per Run 2	0.5376 ppm	99.4859 %	97.9872 %	100.3993 %	102.5749 %	96.8244 %	102.3354 %
Concentration per Run 3	0.5531 ppm	98.4819 %	98.2084 %	97.6236 %	101.7170 %	94.5719 %	102.5551 %
Concentration RSD	1.8 %	1.1 %	0.1 %	1.6 %	1.1 %	1.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2512815-01D40 WG2037928
Analysis started at: 3/10/2025 10:09:48
Comments <Comment>
Rack: 1
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0557 ppm	-0.0006 ppm	0.0025 ppm	0.0009 ppm	-0.0006 ppm	0.1981 ppm
Concentration per Run 1	0.0000 ppm	0.0575 ppm	-0.0022 ppm	0.0029 ppm	0.0009 ppm	-0.0006 ppm	0.1931 ppm
Concentration per Run 2	-0.0001 ppm	0.0532 ppm	-0.0015 ppm	0.0020 ppm	0.0010 ppm	-0.0006 ppm	0.2012 ppm
Concentration per Run 3	-0.0003 ppm	0.0565 ppm	0.0018 ppm	0.0026 ppm	0.0009 ppm	-0.0006 ppm	0.1999 ppm
Concentration RSD	133.2 %	4.0 %	336.9 %	18.4 %	7.3 %	2.2 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0019 ppm	0.0120 ppm	18.3582 ppm	0.0988 ppm	19.7972 ppm	0.0436 ppm	0.0003 ppm
Concentration per Run 1	-0.0019 ppm	0.0121 ppm	18.3758 ppm	0.0987 ppm	19.3864 ppm	0.0333 ppm	0.0007 ppm
Concentration per Run 2	-0.0019 ppm	0.0119 ppm	18.3814 ppm	0.0985 ppm	20.0003 ppm	0.0383 ppm	0.0005 ppm
Concentration per Run 3	-0.0020 ppm	0.0118 ppm	18.3174 ppm	0.0991 ppm	20.0049 ppm	0.0592 ppm	-0.0002 ppm
Concentration RSD	2.7 %	1.1 %	0.2 %	0.3 %	1.8 %	31.5 %	139.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0465 ppm	0.0684 ppm	0.2652 ppm	0.2756 ppm	0.3364 ppm	0.0022 ppm	-0.0223 ppm
Concentration per Run 1	0.0467 ppm	0.0667 ppm	0.2652 ppm	0.2721 ppm	0.3361 ppm	0.0014 ppm	-0.0214 ppm
Concentration per Run 2	0.0450 ppm	0.0691 ppm	0.2660 ppm	0.2770 ppm	0.3371 ppm	0.0024 ppm	-0.0244 ppm
Concentration per Run 3	0.0478 ppm	0.0693 ppm	0.2643 ppm	0.2776 ppm	0.3360 ppm	0.0026 ppm	-0.0212 ppm
Concentration RSD	3.1 %	2.1 %	0.3 %	1.1 %	0.2 %	28.9 %	7.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	1.0999 ppm	0.0013 ppm	0.0008 ppm	0.0531 ppm	0.0013 ppm	0.0691 ppm
Concentration per Run 1	0.0011 ppm	1.0997 ppm	0.0017 ppm	0.0008 ppm	0.0531 ppm	0.0000 ppm	0.0693 ppm
Concentration per Run 2	-0.0003 ppm	1.1035 ppm	0.0017 ppm	0.0008 ppm	0.0533 ppm	0.0025 ppm	0.0687 ppm
Concentration per Run 3	0.0029 ppm	1.0964 ppm	0.0005 ppm	0.0008 ppm	0.0531 ppm	0.0013 ppm	0.0692 ppm
Concentration RSD	128.4 %	0.3 %	53.2 %	3.1 %	0.2 %	97.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0011 ppm	101.7130 %	101.1772 %	102.0993 %	104.7034 %	97.9406 %	105.1895 %
Concentration per Run 1	-0.0013 ppm	103.2205 %	101.3781 %	102.2843 %	106.7566 %	97.9169 %	105.3210 %
Concentration per Run 2	-0.0010 ppm	100.8429 %	101.0313 %	101.9104 %	103.6770 %	97.6923 %	105.1147 %
Concentration per Run 3	-0.0011 ppm	101.0755 %	101.1223 %	102.1032 %	103.6765 %	98.2126 %	105.1328 %
Concentration RSD	14.7 %	1.3 %	0.2 %	0.2 %	1.7 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-3D40 WG2037928
Analysis started at: 3/10/2025 10:15:02
Comments <Comment>
Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	0.1177 ppm	0.0010 ppm	0.0295 ppm	0.0553 ppm	0.0008 ppm	0.4733 ppm
Concentration per Run 1	0.0014 ppm	0.1124 ppm	0.0014 ppm	0.0294 ppm	0.0539 ppm	0.0007 ppm	0.4618 ppm
Concentration per Run 2	0.0014 ppm	0.1217 ppm	0.0013 ppm	0.0294 ppm	0.0566 ppm	0.0008 ppm	0.4860 ppm
Concentration per Run 3	0.0015 ppm	0.1190 ppm	0.0003 ppm	0.0297 ppm	0.0555 ppm	0.0008 ppm	0.4722 ppm
Concentration RSD	6.8 %	4.1 %	57.9 %	0.6 %	2.5 %	5.8 %	2.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0267 ppm	19.0620 ppm	0.1101 ppm	20.7054 ppm	0.3242 ppm	0.0003 ppm
Concentration per Run 1	-0.0005 ppm	0.0269 ppm	19.1762 ppm	0.1107 ppm	20.1903 ppm	0.3115 ppm	0.0004 ppm
Concentration per Run 2	-0.0004 ppm	0.0265 ppm	19.0329 ppm	0.1097 ppm	21.1812 ppm	0.3296 ppm	0.0000 ppm
Concentration per Run 3	-0.0005 ppm	0.0268 ppm	18.9770 ppm	0.1100 ppm	20.7448 ppm	0.3314 ppm	0.0005 ppm
Concentration RSD	6.8 %	0.9 %	0.5 %	0.5 %	2.4 %	3.4 %	79.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3265 ppm	0.0857 ppm	0.3037 ppm	0.5575 ppm	0.3652 ppm	0.0181 ppm	-0.0080 ppm
Concentration per Run 1	0.3324 ppm	0.0839 ppm	0.3045 ppm	0.5405 ppm	0.3653 ppm	0.0186 ppm	-0.0093 ppm
Concentration per Run 2	0.3231 ppm	0.0871 ppm	0.3037 ppm	0.5710 ppm	0.3661 ppm	0.0186 ppm	-0.0080 ppm
Concentration per Run 3	0.3238 ppm	0.0861 ppm	0.3029 ppm	0.5610 ppm	0.3643 ppm	0.0171 ppm	-0.0066 ppm
Concentration RSD	1.6 %	1.9 %	0.3 %	2.8 %	0.3 %	4.9 %	16.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0036 ppm	1.1838 ppm	0.0295 ppm	0.0278 ppm	0.0819 ppm	0.0040 ppm	0.0856 ppm
Concentration per Run 1	0.0051 ppm	1.1846 ppm	0.0291 ppm	0.0270 ppm	0.0824 ppm	0.0057 ppm	0.0857 ppm
Concentration per Run 2	0.0015 ppm	1.1863 ppm	0.0292 ppm	0.0284 ppm	0.0818 ppm	0.0043 ppm	0.0856 ppm
Concentration per Run 3	0.0041 ppm	1.1806 ppm	0.0303 ppm	0.0278 ppm	0.0815 ppm	0.0019 ppm	0.0854 ppm
Concentration RSD	52.0 %	0.2 %	2.2 %	2.5 %	0.5 %	48.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0129 ppm	101.3107 %	101.3386 %	102.3428 %	104.4240 %	98.0749 %	105.2728 %
Concentration per Run 1	0.0131 ppm	103.5070 %	100.8507 %	102.4387 %	106.8448 %	97.9920 %	104.8669 %
Concentration per Run 2	0.0130 ppm	99.3067 %	101.3509 %	102.3578 %	102.3036 %	97.8938 %	105.3109 %
Concentration per Run 3	0.0127 ppm	101.1185 %	101.8142 %	102.2319 %	104.1234 %	98.3389 %	105.6404 %
Concentration RSD	1.7 %	2.1 %	0.5 %	0.1 %	2.2 %	0.2 %	0.4 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-4D40 WG2037928
Analysis started at: 3/10/2025 10:20:15
Comments <Comment>
Rack: 1
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0608 ppm	-0.0016 ppm	0.0020 ppm	0.0009 ppm	-0.0006 ppm	0.1903 ppm
Concentration per Run 1	-0.0001 ppm	0.0606 ppm	-0.0021 ppm	0.0021 ppm	0.0009 ppm	-0.0006 ppm	0.1887 ppm
Concentration per Run 2	0.0000 ppm	0.0571 ppm	-0.0020 ppm	0.0017 ppm	0.0008 ppm	-0.0006 ppm	0.1910 ppm
Concentration per Run 3	0.0000 ppm	0.0646 ppm	-0.0008 ppm	0.0021 ppm	0.0008 ppm	-0.0006 ppm	0.1913 ppm
Concentration RSD	263.2 %	6.2 %	42.8 %	10.5 %	4.5 %	3.3 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0019 ppm	0.0118 ppm	18.0837 ppm	0.0974 ppm	19.4938 ppm	0.0354 ppm	0.0003 ppm
Concentration per Run 1	-0.0018 ppm	0.0115 ppm	18.1201 ppm	0.0977 ppm	19.1350 ppm	0.0399 ppm	0.0006 ppm
Concentration per Run 2	-0.0019 ppm	0.0119 ppm	18.0296 ppm	0.0970 ppm	19.6713 ppm	0.0333 ppm	-0.0001 ppm
Concentration per Run 3	-0.0019 ppm	0.0118 ppm	18.1014 ppm	0.0975 ppm	19.6751 ppm	0.0330 ppm	0.0004 ppm
Concentration RSD	2.8 %	1.6 %	0.3 %	0.4 %	1.6 %	11.0 %	114.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0443 ppm	0.0675 ppm	0.2620 ppm	0.2641 ppm	0.3314 ppm	0.0037 ppm	-0.0217 ppm
Concentration per Run 1	0.0432 ppm	0.0663 ppm	0.2625 ppm	0.2607 ppm	0.3319 ppm	0.0045 ppm	-0.0224 ppm
Concentration per Run 2	0.0434 ppm	0.0680 ppm	0.2631 ppm	0.2679 ppm	0.3334 ppm	0.0035 ppm	-0.0221 ppm
Concentration per Run 3	0.0461 ppm	0.0682 ppm	0.2604 ppm	0.2636 ppm	0.3289 ppm	0.0031 ppm	-0.0207 ppm
Concentration RSD	3.7 %	1.6 %	0.5 %	1.4 %	0.7 %	19.3 %	4.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	1.0911 ppm	0.0013 ppm	0.0007 ppm	0.0528 ppm	-0.0012 ppm	0.0683 ppm
Concentration per Run 1	0.0010 ppm	1.0885 ppm	0.0016 ppm	0.0008 ppm	0.0532 ppm	0.0002 ppm	0.0683 ppm
Concentration per Run 2	0.0020 ppm	1.0993 ppm	0.0019 ppm	0.0007 ppm	0.0526 ppm	-0.0020 ppm	0.0682 ppm
Concentration per Run 3	-0.0016 ppm	1.0856 ppm	0.0004 ppm	0.0007 ppm	0.0527 ppm	-0.0017 ppm	0.0683 ppm
Concentration RSD	383.0 %	0.7 %	59.8 %	7.2 %	0.6 %	104.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0015 ppm	102.1884 %	101.3232 %	102.3136 %	104.8917 %	98.1899 %	105.1937 %
Concentration per Run 1	-0.0016 ppm	103.7367 %	101.1809 %	102.3454 %	106.6446 %	98.1224 %	105.0893 %
Concentration per Run 2	-0.0015 ppm	101.3555 %	101.6884 %	102.3236 %	103.9894 %	97.5961 %	105.4730 %
Concentration per Run 3	-0.0015 ppm	101.4728 %	101.1003 %	102.2719 %	104.0413 %	98.8512 %	105.0187 %
Concentration RSD	4.7 %	1.3 %	0.3 %	0.0 %	1.4 %	0.6 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-5D40 WG2037928
Analysis started at: 3/10/2025 10:25:29
Comments <Comment>
Rack: 1
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0517 ppm	2.0972 ppm	0.1202 ppm	0.9888 ppm	1.9266 ppm	0.0496 ppm	9.9852 ppm
Concentration per Run 1	0.0520 ppm	2.0766 ppm	0.1183 ppm	0.9896 ppm	1.8880 ppm	0.0491 ppm	9.8757 ppm
Concentration per Run 2	0.0517 ppm	2.1040 ppm	0.1199 ppm	0.9877 ppm	1.9432 ppm	0.0498 ppm	10.0330 ppm
Concentration per Run 3	0.0512 ppm	2.1111 ppm	0.1223 ppm	0.9891 ppm	1.9487 ppm	0.0499 ppm	10.0469 ppm
Concentration RSD	0.8 %	0.9 %	1.7 %	0.1 %	1.7 %	0.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0532 ppm	0.5141 ppm	17.9943 ppm	0.3495 ppm	20.1025 ppm	10.4620 ppm	0.0005 ppm
Concentration per Run 1	0.0532 ppm	0.5150 ppm	18.1586 ppm	0.3540 ppm	19.9064 ppm	10.3565 ppm	0.0005 ppm
Concentration per Run 2	0.0531 ppm	0.5136 ppm	17.7571 ppm	0.3458 ppm	20.1784 ppm	10.4964 ppm	0.0011 ppm
Concentration per Run 3	0.0533 ppm	0.5138 ppm	18.0672 ppm	0.3487 ppm	20.2228 ppm	10.5330 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.2 %	1.2 %	1.2 %	0.9 %	0.9 %	106.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3024 ppm	0.5673 ppm	1.2124 [SIC 20]	10.4245 ppm	0.8179 ppm	0.5401 ppm	0.4864 ppm
Concentration per Run 1	10.4202 ppm	0.5625 ppm	1.2129 ppm	10.3198 ppm	0.8201 ppm	0.5412 ppm	0.4884 ppm
Concentration per Run 2	10.2300 ppm	0.5700 ppm	1.2103 ppm	10.4640 ppm	0.8156 ppm	0.5385 ppm	0.4882 ppm
Concentration per Run 3	10.2569 ppm	0.5695 ppm	1.2139 ppm	10.4899 ppm	0.8180 ppm	0.5406 ppm	0.4827 ppm
Concentration RSD	1.0 %	0.7 %	0.2 %	0.9 %	0.3 %	0.3 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1233 ppm	1.7954 ppm	1.0048 [SIC 20]	0.9942 ppm	1.0275 ppm	0.1214 ppm	0.5562 ppm
Concentration per Run 1	0.1239 ppm	1.7977 ppm	1.0056 ppm	0.9845 ppm	1.0399 ppm	0.1211 ppm	0.5621 ppm
Concentration per Run 2	0.1223 ppm	1.7925 ppm	1.0033 ppm	0.9986 ppm	1.0194 ppm	0.1208 ppm	0.5511 ppm
Concentration per Run 3	0.1237 ppm	1.7960 ppm	1.0055 ppm	0.9994 ppm	1.0233 ppm	0.1223 ppm	0.5552 ppm
Concentration RSD	0.7 %	0.1 %	0.1 %	0.8 %	1.1 %	0.6 %	1.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5071 ppm	100.9007 %	99.0226 %	102.0025 %	104.0086 %	99.5453 %	102.9446 %
Concentration per Run 1	0.5085 ppm	101.9142 %	97.9886 %	102.2017 %	105.1057 %	99.5132 %	101.9427 %
Concentration per Run 2	0.5051 ppm	100.7674 %	99.7537 %	101.7481 %	103.8534 %	99.6481 %	103.7232 %
Concentration per Run 3	0.5078 ppm	100.0203 %	99.3255 %	102.0577 %	103.0666 %	99.4747 %	103.1679 %
Concentration RSD	0.4 %	0.9 %	0.9 %	0.2 %	1.0 %	0.1 %	0.9 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037928-6D200 WG2037928
Analysis started at: 3/10/2025 10:30:40
Comments <Comment>
Rack: 1
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0137 ppm	0.0014 ppm	0.0019 ppm	0.0003 ppm	-0.0001 ppm	0.0405 ppm
Concentration per Run 1	0.0004 ppm	0.0142 ppm	0.0021 ppm	0.0019 ppm	0.0003 ppm	-0.0001 ppm	0.0410 ppm
Concentration per Run 2	0.0003 ppm	0.0129 ppm	0.0020 ppm	0.0020 ppm	0.0003 ppm	-0.0001 ppm	0.0408 ppm
Concentration per Run 3	0.0003 ppm	0.0141 ppm	0.0001 ppm	0.0019 ppm	0.0003 ppm	-0.0001 ppm	0.0396 ppm
Concentration RSD	23.2 %	5.4 %	80.7 %	4.9 %	10.1 %	0.5 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0024 ppm	3.7825 ppm	0.0202 ppm	3.9889 ppm	0.0065 ppm	0.0005 ppm
Concentration per Run 1	-0.0004 ppm	0.0024 ppm	3.7789 ppm	0.0204 ppm	3.9060 ppm	0.0254 ppm	-0.0001 ppm
Concentration per Run 2	-0.0003 ppm	0.0025 ppm	3.7889 ppm	0.0201 ppm	4.0263 ppm	0.0005 ppm	0.0008 ppm
Concentration per Run 3	-0.0004 ppm	0.0025 ppm	3.7797 ppm	0.0199 ppm	4.0345 ppm	-0.0064 ppm	0.0009 ppm
Concentration RSD	14.7 %	2.3 %	0.1 %	1.2 %	1.8 %	256.8 %	108.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0113 ppm	0.0141 ppm	0.0537 ppm	0.0589 ppm	0.0672 ppm	0.0002 ppm	-0.0060 ppm
Concentration per Run 1	0.0130 ppm	0.0139 ppm	0.0536 ppm	0.0556 ppm	0.0667 ppm	-0.0002 ppm	-0.0061 ppm
Concentration per Run 2	0.0101 ppm	0.0142 ppm	0.0535 ppm	0.0582 ppm	0.0669 ppm	-0.0004 ppm	-0.0051 ppm
Concentration per Run 3	0.0109 ppm	0.0142 ppm	0.0539 ppm	0.0629 ppm	0.0680 ppm	0.0012 ppm	-0.0069 ppm
Concentration RSD	13.3 %	1.1 %	0.4 %	6.2 %	1.0 %	511.0 %	14.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.2169 ppm	0.0010 ppm	0.0002 ppm	0.0109 ppm	0.0011 ppm	0.0143 ppm
Concentration per Run 1	0.0012 ppm	0.2175 ppm	0.0014 ppm	0.0002 ppm	0.0110 ppm	0.0017 ppm	0.0144 ppm
Concentration per Run 2	0.0033 ppm	0.2152 ppm	0.0009 ppm	0.0003 ppm	0.0110 ppm	0.0006 ppm	0.0145 ppm
Concentration per Run 3	-0.0003 ppm	0.2179 ppm	0.0007 ppm	0.0002 ppm	0.0108 ppm	0.0010 ppm	0.0141 ppm
Concentration RSD	128.8 %	0.7 %	34.2 %	30.2 %	0.9 %	48.3 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0010 ppm	102.2962 %	101.5813 %	102.0829 %	104.9067 %	98.1070 %	104.9310 %
Concentration per Run 1	-0.0011 ppm	103.6931 %	101.7774 %	102.2137 %	106.8580 %	98.3008 %	105.0846 %
Concentration per Run 2	-0.0010 ppm	101.8137 %	101.5173 %	102.0611 %	104.1000 %	98.5454 %	104.8317 %
Concentration per Run 3	-0.0010 ppm	101.3818 %	101.4490 %	101.9740 %	103.7621 %	97.4748 %	104.8766 %
Concentration RSD	7.0 %	1.2 %	0.2 %	0.1 %	1.6 %	0.6 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 10:35:47
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4664 ppm	0.5162 ppm	0.5007 ppm	0.5008 ppm	0.4900 ppm	0.5041 ppm	0.4842 ppm
Concentration per Run 1	0.4660 ppm	0.5079 ppm	0.5031 ppm	0.5014 ppm	0.4800 ppm	0.4949 ppm	0.4748 ppm
Concentration per Run 2	0.4665 ppm	0.5206 ppm	0.5009 ppm	0.5004 ppm	0.4932 ppm	0.5086 ppm	0.4909 ppm
Concentration per Run 3	0.4666 ppm	0.5202 ppm	0.4983 ppm	0.5005 ppm	0.4966 ppm	0.5089 ppm	0.4868 ppm
Recovery Percentage 1	93.275 %	103.244 %	100.149 %	100.158 %	97.990 %	100.825 %	96.835 %
Concentration RSD	0.1 %	1.4 %	0.5 %	0.1 %	1.8 %	1.6 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5233 ppm	0.5132 ppm	0.4893 ppm	0.4878 ppm	0.5073 ppm	5.1872 ppm	0.4936 ppm
Concentration per Run 1	0.5238 ppm	0.5140 ppm	0.4886 ppm	0.4874 ppm	0.4977 ppm	5.0931 ppm	0.4822 ppm
Concentration per Run 2	0.5240 ppm	0.5135 ppm	0.4895 ppm	0.4877 ppm	0.5124 ppm	5.2327 ppm	0.4982 ppm
Concentration per Run 3	0.5223 ppm	0.5121 ppm	0.4896 ppm	0.4883 ppm	0.5118 ppm	5.2360 ppm	0.5005 ppm
Recovery Percentage 1	104.670 %	102.636 %	97.853 %	97.558 %	101.461 %	103.745 %	98.721 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.1 %	1.6 %	1.6 %	2.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5090 ppm	0.4981 ppm	0.4891 ppm	9.9598 ppm	0.5016 ppm	0.4985 ppm	0.5149 ppm
Concentration per Run 1	0.5115 ppm	0.4885 ppm	0.4911 ppm	9.7600 ppm	0.5028 ppm	0.4989 ppm	0.5154 ppm
Concentration per Run 2	0.5075 ppm	0.5032 ppm	0.4886 ppm	10.0378 ppm	0.5018 ppm	0.4981 ppm	0.5119 ppm
Concentration per Run 3	0.5081 ppm	0.5028 ppm	0.4876 ppm	10.0817 ppm	0.5002 ppm	0.4985 ppm	0.5175 ppm
Recovery Percentage 1	101.803 %	99.629 %	97.821 %	99.598 %	100.317 %	99.700 %	102.985 %
Concentration RSD	0.4 %	1.7 %	0.4 %	1.8 %	0.3 %	0.1 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4973 ppm	5.7679 ppm	0.5217 ppm	0.4994 ppm	0.4889 ppm	0.4882 ppm	0.4854 ppm
Concentration per Run 1	0.4980 ppm	5.7785 ppm	0.5205 ppm	0.4894 ppm	0.4879 ppm	0.4896 ppm	0.4856 ppm
Concentration per Run 2	0.5005 ppm	5.7704 ppm	0.5220 ppm	0.5032 ppm	0.4892 ppm	0.4873 ppm	0.4853 ppm
Concentration per Run 3	0.4935 ppm	5.7550 ppm	0.5227 ppm	0.5057 ppm	0.4894 ppm	0.4877 ppm	0.4852 ppm
Recovery Percentage 1	99.465 %	109.866 %	104.345 %	99.881 %	97.772 %	97.633 %	97.078 %
Concentration RSD	0.7 %	0.2 %	0.2 %	1.8 %	0.2 %	0.3 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5161 ppm	100.9985 %	100.4997 %	101.6081 %	103.9781 %	98.3147 %	104.2046 %
Concentration per Run 1	0.5168 ppm	102.3889 %	100.4799 %	101.6716 %	105.4962 %	98.1447 %	104.2548 %
Concentration per Run 2	0.5163 ppm	100.2743 %	100.3456 %	101.7118 %	103.4131 %	98.2986 %	104.0415 %
Concentration per Run 3	0.5152 ppm	100.3323 %	100.6734 %	101.4409 %	103.0252 %	98.5009 %	104.3174 %
Recovery Percentage 1	103.218 %						
Concentration RSD	0.2 %	1.2 %	0.2 %	0.1 %	1.3 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 10:40:40
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0022 ppm	0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run 1	0.0003 ppm	0.0052 ppm	-0.0009 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	-0.0036 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0003 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	-0.0039 ppm
Concentration per Run 3	0.0004 ppm	-0.0039 ppm	0.0021 ppm	0.0016 ppm	0.0000 ppm	0.0001 ppm	-0.0029 ppm
Recovery Percentage 1	4.574 %	2.195 %	9.816 %	5.494 %	0.538 %	1.607 %	-3.482 %
Concentration RSD	97.5 %	242.2 %	309.1 %	15.1 %	45.4 %	11.8 %	14.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0014 ppm	0.0013 ppm	0.0014 ppm
Concentration per Run 1	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0019 ppm	-0.0196 ppm	0.0015 ppm
Concentration per Run 2	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0138 ppm	0.0014 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0013 ppm	0.0096 ppm	0.0012 ppm
Recovery Percentage 1	5.528 %	0.641 %	2.431 %	4.760 %	2.794 %	0.051 %	13.794 %
Concentration RSD	41.7 %	119.3 %	80.3 %	36.5 %	33.1 %	1,439.3 %	9.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0002 ppm	0.0004 ppm	0.0053 ppm	0.0001 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 1	0.0018 ppm	0.0002 ppm	0.0001 ppm	0.0058 ppm	-0.0003 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0013 ppm	0.0003 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0016 ppm	0.0001 ppm	0.0007 ppm	0.0089 ppm	0.0005 ppm	-0.0016 ppm	0.0019 ppm
Recovery Percentage 1	1.166 %	2.310 %	0.801 %	0.266 %	0.574 %	-4.992 %	0.618 %
Concentration RSD	76.5 %	40.6 %	78.4 %	71.6 %	291.9 %	187.3 %	459.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	0.0018 ppm	0.0005 ppm	0.0001 ppm	0.0003 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 1	0.0012 ppm	0.0015 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0012 ppm	0.0003 ppm
Concentration per Run 2	0.0012 ppm	0.0020 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0022 ppm	0.0003 ppm
Concentration per Run 3	-0.0009 ppm	0.0020 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm
Recovery Percentage 1	5.111 %	0.366 %	0.931 %	0.869 %	2.624 %	-5.679 %	3.090 %
Concentration RSD	230.8 %	16.1 %	186.6 %	18.3 %	89.4 %	97.9 %	10.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0007 ppm	101.5704 %	101.0981 %	101.5826 %	102.7535 %	99.4002 %	103.1434 %
Concentration per Run 1	-0.0007 ppm	103.1010 %	101.1782 %	101.5371 %	104.5875 %	99.4015 %	103.2722 %
Concentration per Run 2	-0.0008 ppm	101.5910 %	101.1877 %	101.7935 %	102.7141 %	99.6812 %	103.1922 %
Concentration per Run 3	-0.0004 ppm	100.0192 %	100.9285 %	101.4172 %	100.9591 %	99.1178 %	102.9659 %
Recovery Percentage 1	-13.249 %						
Concentration RSD	34.8 %	1.5 %	0.1 %	0.2 %	1.8 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-1 WG2038135
Analysis started at: 3/10/2025 11:36:48
Comments <Comment>
Rack: 1
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0335 ppm	-0.0013 ppm	0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0851 ppm
Concentration per Run 1	0.0003 ppm	0.0349 ppm	0.0018 ppm	0.0020 ppm	0.0003 ppm	0.0000 ppm	0.0837 ppm
Concentration per Run 2	0.0002 ppm	0.0336 ppm	-0.0044 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0874 ppm
Concentration per Run 3	0.0007 ppm	0.0321 ppm	-0.0014 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0841 ppm
Concentration RSD	67.1 %	4.1 %	231.2 %	36.1 %	2.8 %	879.0 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0542 ppm	0.0199 ppm	-0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0530 ppm	0.0136 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0545 ppm	0.0316 ppm	-0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0009 ppm	0.0549 ppm	0.0146 ppm	-0.0002 ppm
Concentration RSD	109.5 %	172.4 %	29.9 %	22.5 %	1.9 %	50.8 %	385.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0150 ppm	0.0020 ppm	0.0007 ppm	0.0209 ppm	-0.0004 ppm	0.0013 ppm	0.0009 ppm
Concentration per Run 1	0.0151 ppm	0.0019 ppm	0.0005 ppm	0.0166 ppm	-0.0005 ppm	0.0019 ppm	0.0024 ppm
Concentration per Run 2	0.0136 ppm	0.0021 ppm	0.0007 ppm	0.0237 ppm	-0.0002 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run 3	0.0163 ppm	0.0022 ppm	0.0008 ppm	0.0225 ppm	-0.0006 ppm	0.0014 ppm	0.0007 ppm
Concentration RSD	8.8 %	6.2 %	22.9 %	18.2 %	50.2 %	52.3 %	160.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0453 ppm	0.0070 ppm	0.0003 ppm	0.0013 ppm	-0.0108 ppm	0.0001 ppm
Concentration per Run 1	-0.0006 ppm	0.0432 ppm	0.0062 ppm	0.0003 ppm	0.0012 ppm	-0.0106 ppm	0.0002 ppm
Concentration per Run 2	-0.0008 ppm	0.0458 ppm	0.0085 ppm	0.0003 ppm	0.0012 ppm	-0.0117 ppm	0.0000 ppm
Concentration per Run 3	0.0011 ppm	0.0469 ppm	0.0062 ppm	0.0002 ppm	0.0014 ppm	-0.0101 ppm	0.0003 ppm
Concentration RSD	1,356.2 %	4.3 %	19.3 %	12.2 %	7.8 %	7.5 %	108.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	101.2169 %	100.6492 %	100.4933 %	103.3712 %	95.7315 %	103.9692 %
Concentration per Run 1	0.0011 ppm	102.0734 %	100.4335 %	100.2980 %	104.5299 %	95.3275 %	103.8641 %
Concentration per Run 2	0.0010 ppm	100.9425 %	100.6715 %	100.5714 %	103.1123 %	96.1786 %	104.0203 %
Concentration per Run 3	0.0011 ppm	100.6348 %	100.8427 %	100.6104 %	102.4715 %	95.6884 %	104.0231 %
Concentration RSD	5.2 %	0.7 %	0.2 %	0.2 %	1.0 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-2D2 WG2038135
Analysis started at: 3/10/2025 11:41:59
Comments <Comment>
Rack: 1
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0509 ppm	2.3461 ppm	0.1188 ppm	0.9895 ppm	2.2185 ppm	0.0569 ppm	10.6690 ppm
Concentration per Run 1	0.0512 ppm	2.3383 ppm	0.1202 ppm	1.0111 ppm	2.2139 ppm	0.0568 ppm	10.6377 ppm
Concentration per Run 2	0.0510 ppm	2.3612 ppm	0.1205 ppm	0.9880 ppm	2.2150 ppm	0.0571 ppm	10.6932 ppm
Concentration per Run 3	0.0505 ppm	2.3389 ppm	0.1156 ppm	0.9695 ppm	2.2266 ppm	0.0569 ppm	10.6761 ppm
Concentration RSD	0.8 %	0.6 %	2.3 %	2.1 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0562 ppm	0.5170 ppm	0.2124 ppm	0.2753 ppm	1.1652 ppm	11.2429 ppm	0.0017 ppm
Concentration per Run 1	0.0573 ppm	0.5284 ppm	0.2141 ppm	0.2777 ppm	1.1615 ppm	11.2132 ppm	0.0017 ppm
Concentration per Run 2	0.0563 ppm	0.5169 ppm	0.2124 ppm	0.2752 ppm	1.1694 ppm	11.2908 ppm	0.0015 ppm
Concentration per Run 3	0.0550 ppm	0.5056 ppm	0.2108 ppm	0.2729 ppm	1.1647 ppm	11.2245 ppm	0.0020 ppm
Concentration RSD	2.0 %	2.2 %	0.8 %	0.9 %	0.3 %	0.4 %	16.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.7271 ppm	0.5707 ppm	0.9661 ppm	11.2285 ppm	0.5112 ppm	0.5200 ppm	0.5188 ppm
Concentration per Run 1	10.8118 ppm	0.5712 ppm	0.9867 ppm	11.2092 ppm	0.5214 ppm	0.5310 ppm	0.5290 ppm
Concentration per Run 2	10.7230 ppm	0.5714 ppm	0.9661 ppm	11.2713 ppm	0.5117 ppm	0.5220 ppm	0.5191 ppm
Concentration per Run 3	10.6463 ppm	0.5697 ppm	0.9455 ppm	11.2050 ppm	0.5007 ppm	0.5071 ppm	0.5082 ppm
Concentration RSD	0.8 %	0.2 %	2.1 %	0.3 %	2.0 %	2.3 %	2.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1175 ppm	1.5206 ppm	1.0023 [SIC 20]	1.1024 ppm	1.0452 ppm	0.1143 ppm	0.5276 ppm
Concentration per Run 1	0.1207 ppm	1.5579 ppm	1.0255 ppm	1.0986 ppm	1.0529 ppm	0.1166 ppm	0.5326 ppm
Concentration per Run 2	0.1179 ppm	1.5192 ppm	1.0027 ppm	1.1071 ppm	1.0441 ppm	0.1147 ppm	0.5272 ppm
Concentration per Run 3	0.1139 ppm	1.4847 ppm	0.9789 ppm	1.1017 ppm	1.0384 ppm	0.1116 ppm	0.5228 ppm
Concentration RSD	2.9 %	2.4 %	2.3 %	0.4 %	0.7 %	2.2 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5260 ppm	100.2313 %	99.3252 %	101.0667 %	102.4931 %	98.5946 %	102.7167 %
Concentration per Run 1	0.5369 ppm	100.6705 %	99.4263 %	101.3432 %	103.0153 %	98.8519 %	102.7776 %
Concentration per Run 2	0.5262 ppm	100.0603 %	99.4166 %	101.2643 %	102.3103 %	98.7474 %	102.8266 %
Concentration per Run 3	0.5150 ppm	99.9630 %	99.1327 %	100.5925 %	102.1537 %	98.1846 %	102.5458 %
Concentration RSD	2.1 %	0.4 %	0.2 %	0.4 %	0.4 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2512366-01D2 WG2038135
Analysis started at: 3/10/2025 11:46:59
Comments <Comment>
Rack: 1
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0012 ppm	95.4445 ppm	0.0316 ppm	0.3824 ppm	0.6622 ppm	0.0046 ppm	648.1872 ppm
Concentration per Run 1	0.0013 ppm	95.8698 ppm	0.0306 ppm	0.3931 ppm	0.6643 ppm	0.0046 ppm	651.2884 ppm
Concentration per Run 2	0.0014 ppm	95.5687 ppm	0.0304 ppm	0.3818 ppm	0.6630 ppm	0.0046 ppm	648.1358 ppm
Concentration per Run 3	0.0010 ppm	94.8949 ppm	0.0339 ppm	0.3722 ppm	0.6594 ppm	0.0046 ppm	645.1373 ppm
Concentration RSD	13.9 %	0.5 %	6.2 %	2.7 %	0.4 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0057 ppm	0.0476 ppm	0.2581 ppm	0.4875 ppm	110.8166 ppm	18.2292 ppm	0.0921 ppm
Concentration per Run 1	-0.0055 ppm	0.0492 ppm	0.2591 ppm	0.4902 ppm	110.6200 ppm	18.2790 ppm	0.0931 ppm
Concentration per Run 2	-0.0057 ppm	0.0476 ppm	0.2575 ppm	0.4867 ppm	110.7030 ppm	18.2463 ppm	0.0916 ppm
Concentration per Run 3	-0.0058 ppm	0.0459 ppm	0.2576 ppm	0.4857 ppm	111.1267 ppm	18.1623 ppm	0.0915 ppm
Concentration RSD	2.3 %	3.4 %	0.3 %	0.5 %	0.2 %	0.3 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	55.4948 ppm	2.6575 ppm	0.0160 ppm	6.1552 ppm	0.1192 ppm	0.3782 ppm	-0.0044 ppm
Concentration per Run 1	55.7338 ppm	2.6746 ppm	0.0161 ppm	6.1781 ppm	0.1226 ppm	0.3916 ppm	-0.0029 ppm
Concentration per Run 2	55.5035 ppm	2.6555 ppm	0.0161 ppm	6.1591 ppm	0.1191 ppm	0.3751 ppm	-0.0037 ppm
Concentration per Run 3	55.2470 ppm	2.6423 ppm	0.0157 ppm	6.1286 ppm	0.1159 ppm	0.3680 ppm	-0.0066 ppm
Concentration RSD	0.4 %	0.6 %	1.6 %	0.4 %	2.8 %	3.2 %	44.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	156.2375 [SIC 50]	0.0288 ppm	3.7606 ppm	4.0002 ppm	-0.0073 ppm	0.1925 ppm
Concentration per Run 1	0.0047 ppm	159.0505 ppm	0.0309 ppm	3.7732 ppm	4.0149 ppm	-0.0053 ppm	0.1928 ppm
Concentration per Run 2	0.0020 ppm	156.3846 ppm	0.0299 ppm	3.7461 ppm	4.0152 ppm	-0.0081 ppm	0.1925 ppm
Concentration per Run 3	0.0035 ppm	153.2775 ppm	0.0256 ppm	3.7625 ppm	3.9704 ppm	-0.0085 ppm	0.1921 ppm
Concentration RSD	39.1 %	1.8 %	9.8 %	0.4 %	0.6 %	24.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.4611 ppm	114.8664 %	109.1732 %	108.7893 %	102.4486 %	92.0898 %	98.4658 %
Concentration per Run 1	2.5276 ppm	114.5206 %	109.4486 %	109.0617 %	102.0924 %	92.2349 %	98.6265 %
Concentration per Run 2	2.4595 ppm	115.4601 %	109.1840 %	108.6948 %	102.8772 %	92.1741 %	98.4704 %
Concentration per Run 3	2.3963 ppm	114.6184 %	108.8870 %	108.6115 %	102.3761 %	91.8604 %	98.3005 %
Concentration RSD	2.7 %	0.4 %	0.3 %	0.2 %	0.4 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2512366-02D2 WG2038135
Analysis started at: 3/10/2025 11:52:23
Comments <Comment>
Rack: 1
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0012 ppm	82.9937 ppm	0.0291 ppm	0.1830 ppm	0.6060 ppm	0.0049 ppm	569.2755 ppm
Concentration per Run 1	0.0010 ppm	82.8999 ppm	0.0299 ppm	0.1854 ppm	0.6058 ppm	0.0049 ppm	569.1732 ppm
Concentration per Run 2	0.0014 ppm	83.4370 ppm	0.0292 ppm	0.1833 ppm	0.6083 ppm	0.0049 ppm	575.5993 ppm
Concentration per Run 3	0.0011 ppm	82.6442 ppm	0.0283 ppm	0.1802 ppm	0.6041 ppm	0.0048 ppm	563.0541 ppm
Concentration RSD	18.1 %	0.5 %	2.7 %	1.4 %	0.4 %	0.4 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0053 ppm	0.0401 ppm	0.2052 ppm	0.3731 ppm	119.5042 ppm	10.4267 ppm	0.0676 ppm
Concentration per Run 1	-0.0053 ppm	0.0408 ppm	0.2059 ppm	0.3749 ppm	118.8092 ppm	10.4251 ppm	0.0671 ppm
Concentration per Run 2	-0.0054 ppm	0.0407 ppm	0.2058 ppm	0.3731 ppm	120.6792 ppm	10.4744 ppm	0.0682 ppm
Concentration per Run 3	-0.0053 ppm	0.0388 ppm	0.2039 ppm	0.3713 ppm	119.0241 ppm	10.3807 ppm	0.0677 ppm
Concentration RSD	0.7 %	2.8 %	0.6 %	0.5 %	0.9 %	0.4 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	45.8929 ppm	2.9653 ppm	0.0185 ppm	5.1101 ppm	0.0860 ppm	0.2304 ppm	-0.0050 ppm
Concentration per Run 1	46.0721 ppm	2.9628 ppm	0.0185 ppm	5.1062 ppm	0.0873 ppm	0.2328 ppm	-0.0041 ppm
Concentration per Run 2	45.8053 ppm	2.9837 ppm	0.0192 ppm	5.1320 ppm	0.0861 ppm	0.2311 ppm	-0.0040 ppm
Concentration per Run 3	45.8013 ppm	2.9494 ppm	0.0179 ppm	5.0921 ppm	0.0845 ppm	0.2273 ppm	-0.0068 ppm
Concentration RSD	0.3 %	0.6 %	3.4 %	0.4 %	1.7 %	1.2 %	32.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	145.5277 [SIC 50]	0.0188 ppm	2.8825 ppm	3.4591 ppm	-0.0054 ppm	0.1911 ppm
Concentration per Run 1	0.0007 ppm	147.4051 ppm	0.0180 ppm	2.8736 ppm	3.4652 ppm	-0.0040 ppm	0.1915 ppm
Concentration per Run 2	-0.0004 ppm	146.1168 ppm	0.0200 ppm	2.9332 ppm	3.4522 ppm	-0.0073 ppm	0.1911 ppm
Concentration per Run 3	0.0026 ppm	143.0612 ppm	0.0184 ppm	2.8408 ppm	3.4598 ppm	-0.0049 ppm	0.1906 ppm
Concentration RSD	158.0 %	1.5 %	5.7 %	1.6 %	0.2 %	31.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8286 ppm	111.1767 %	106.0366 %	106.6998 %	102.3322 %	92.6766 %	98.8927 %
Concentration per Run 1	0.8420 ppm	111.6289 %	105.9678 %	107.0977 %	102.9206 %	92.8534 %	98.7419 %
Concentration per Run 2	0.8319 ppm	110.5183 %	106.3867 %	106.5024 %	101.6163 %	92.3928 %	99.0894 %
Concentration per Run 3	0.8118 ppm	111.3830 %	105.7554 %	106.4993 %	102.4597 %	92.7836 %	98.8467 %
Concentration RSD	1.9 %	0.5 %	0.3 %	0.3 %	0.6 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2512366-03D2 WG2038135
Analysis started at: 3/10/2025 11:57:48
Comments <Comment>
Rack: 1
Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0016 ppm	111.6066 ppm	0.0262 ppm	0.2959 ppm	0.7996 ppm	0.0061 ppm	761.0300 ppm
Concentration per Run 1	0.0016 ppm	111.9724 ppm	0.0299 ppm	0.3010 ppm	0.8014 ppm	0.0061 ppm	763.6227 ppm
Concentration per Run 2	0.0018 ppm	111.6208 ppm	0.0239 ppm	0.2958 ppm	0.7994 ppm	0.0061 ppm	764.3092 ppm
Concentration per Run 3	0.0012 ppm	111.2265 ppm	0.0248 ppm	0.2910 ppm	0.7980 ppm	0.0060 ppm	755.1580 ppm
Concentration RSD	19.5 %	0.3 %	12.3 %	1.7 %	0.2 %	0.7 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0068 ppm	0.0433 ppm	0.2690 ppm	0.3817 ppm	115.8257 ppm	15.3055 ppm	0.1075 ppm
Concentration per Run 1	-0.0066 ppm	0.0444 ppm	0.2722 ppm	0.3821 ppm	115.3862 ppm	15.3815 ppm	0.1076 ppm
Concentration per Run 2	-0.0068 ppm	0.0433 ppm	0.2673 ppm	0.3818 ppm	115.5517 ppm	15.3087 ppm	0.1071 ppm
Concentration per Run 3	-0.0070 ppm	0.0422 ppm	0.2677 ppm	0.3813 ppm	116.5394 ppm	15.2261 ppm	0.1078 ppm
Concentration RSD	2.7 %	2.5 %	1.0 %	0.1 %	0.5 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	65.5660 ppm	3.1883 ppm	0.0236 ppm	8.6825 ppm	0.1226 ppm	0.3239 ppm	-0.0051 ppm
Concentration per Run 1	65.9926 ppm	3.2026 ppm	0.0241 ppm	8.7193 ppm	0.1255 ppm	0.3299 ppm	-0.0057 ppm
Concentration per Run 2	65.4309 ppm	3.1856 ppm	0.0232 ppm	8.6667 ppm	0.1222 ppm	0.3245 ppm	-0.0025 ppm
Concentration per Run 3	65.2744 ppm	3.1767 ppm	0.0233 ppm	8.6614 ppm	0.1202 ppm	0.3172 ppm	-0.0070 ppm
Concentration RSD	0.6 %	0.4 %	2.1 %	0.4 %	2.2 %	2.0 %	45.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	186.0395 [SIC 50]	0.0241 ppm	4.1408 ppm	4.4247 ppm	-0.0083 ppm	0.1867 ppm
Concentration per Run 1	0.0015 ppm	189.8510 ppm	0.0269 ppm	4.1481 ppm	4.4417 ppm	-0.0120 ppm	0.1875 ppm
Concentration per Run 2	0.0031 ppm	185.7653 ppm	0.0229 ppm	4.1381 ppm	4.4280 ppm	-0.0091 ppm	0.1863 ppm
Concentration per Run 3	-0.0010 ppm	182.5022 ppm	0.0225 ppm	4.1363 ppm	4.4044 ppm	-0.0040 ppm	0.1862 ppm
Concentration RSD	178.4 %	2.0 %	10.1 %	0.2 %	0.4 %	48.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.2824 ppm	114.7038 %	108.4420 %	108.5774 %	102.4479 %	91.9769 %	98.1315 %
Concentration per Run 1	1.3091 ppm	114.2224 %	108.3333 %	108.7959 %	101.8822 %	91.8163 %	97.9658 %
Concentration per Run 2	1.2822 ppm	114.7662 %	108.6185 %	108.4862 %	102.4325 %	92.1812 %	98.2564 %
Concentration per Run 3	1.2560 ppm	115.1228 %	108.3741 %	108.4501 %	103.0289 %	91.9331 %	98.1723 %
Concentration RSD	2.1 %	0.4 %	0.1 %	0.2 %	0.6 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511296-01D2 WG2038135
Analysis started at: 3/10/2025 12:03:13
Comments <Comment>
Rack: 1
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	40.5938 ppm	0.0422 ppm	0.0087 ppm	0.1526 ppm	0.0025 ppm	9.0434 ppm
Concentration per Run 1	-0.0002 ppm	39.6958 ppm	0.0432 ppm	0.0089 ppm	0.1494 ppm	0.0028 ppm	8.8164 ppm
Concentration per Run 2	0.0001 ppm	41.0952 ppm	0.0431 ppm	0.0091 ppm	0.1551 ppm	0.0023 ppm	9.1414 ppm
Concentration per Run 3	0.0002 ppm	40.9904 ppm	0.0402 ppm	0.0081 ppm	0.1533 ppm	0.0023 ppm	9.1725 ppm
Concentration RSD	3,640.2 %	1.9 %	4.1 %	6.5 %	1.9 %	11.4 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0069 ppm	0.1183 ppm	0.0364 ppm	60.0974 ppm	4.4223 ppm	0.0186 ppm
Concentration per Run 1	0.0000 ppm	0.0072 ppm	0.1195 ppm	0.0369 ppm	58.7065 ppm	4.3250 ppm	0.0183 ppm
Concentration per Run 2	-0.0001 ppm	0.0070 ppm	0.1179 ppm	0.0362 ppm	60.7860 ppm	4.4874 ppm	0.0180 ppm
Concentration per Run 3	0.0000 ppm	0.0064 ppm	0.1175 ppm	0.0362 ppm	60.7998 ppm	4.4544 ppm	0.0195 ppm
Concentration RSD	165.4 %	6.0 %	0.9 %	1.0 %	2.0 %	1.9 %	4.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.6334 ppm	0.2342 ppm	0.0056 ppm	0.2702 ppm	0.0193 ppm	0.0924 ppm	0.0021 ppm
Concentration per Run 1	6.6852 ppm	0.2293 ppm	0.0059 ppm	0.2667 ppm	0.0198 ppm	0.0956 ppm	0.0014 ppm
Concentration per Run 2	6.6200 ppm	0.2363 ppm	0.0054 ppm	0.2704 ppm	0.0197 ppm	0.0928 ppm	0.0010 ppm
Concentration per Run 3	6.5949 ppm	0.2370 ppm	0.0056 ppm	0.2736 ppm	0.0184 ppm	0.0888 ppm	0.0039 ppm
Concentration RSD	0.7 %	1.8 %	4.2 %	1.3 %	4.0 %	3.7 %	75.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	30.0343 [SIC 50]	0.0191 ppm	0.0245 ppm	1.2701 ppm	-0.0078 ppm	0.1027 ppm
Concentration per Run 1	0.0021 ppm	31.9491 ppm	0.0197 ppm	0.0239 ppm	1.3080 ppm	-0.0085 ppm	0.1034 ppm
Concentration per Run 2	0.0038 ppm	30.1328 ppm	0.0192 ppm	0.0256 ppm	1.2424 ppm	-0.0059 ppm	0.1028 ppm
Concentration per Run 3	0.0021 ppm	28.0211 ppm	0.0185 ppm	0.0241 ppm	1.2601 ppm	-0.0090 ppm	0.1019 ppm
Concentration RSD	36.3 %	6.5 %	3.1 %	3.7 %	2.7 %	21.5 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2463 ppm	111.4909 %	110.6061 %	109.1809 %	104.6512 %	96.3565 %	104.3560 %
Concentration per Run 1	0.2535 ppm	113.5905 %	110.5351 %	108.4418 %	107.1051 %	96.0687 %	104.0779 %
Concentration per Run 2	0.2454 ppm	110.8863 %	111.3266 %	109.5407 %	103.6469 %	96.3207 %	104.7356 %
Concentration per Run 3	0.2401 ppm	109.9959 %	109.9567 %	109.5601 %	103.2015 %	96.6803 %	104.2544 %
Concentration RSD	2.7 %	1.7 %	0.6 %	0.6 %	2.0 %	0.3 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-3D2 WG2038135
Analysis started at: 3/10/2025 12:08:17
Comments <Comment>
Rack: 1
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0488 ppm	43.2279 ppm	0.1443 ppm	0.9466 ppm	2.2470 ppm	0.0556 ppm	33.2500 ppm
Concentration per Run 1	0.0491 ppm	42.9465 ppm	0.1463 ppm	0.9712 ppm	2.2396 ppm	0.0554 ppm	33.1734 ppm
Concentration per Run 2	0.0489 ppm	43.5526 ppm	0.1442 ppm	0.9431 ppm	2.2665 ppm	0.0560 ppm	33.4334 ppm
Concentration per Run 3	0.0486 ppm	43.1848 ppm	0.1425 ppm	0.9256 ppm	2.2349 ppm	0.0555 ppm	33.1431 ppm
Concentration RSD	0.5 %	0.7 %	1.3 %	2.4 %	0.8 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0537 ppm	0.5095 ppm	0.2953 ppm	0.3012 ppm	52.5813 ppm	14.8720 ppm	0.0201 ppm
Concentration per Run 1	0.0550 ppm	0.5228 ppm	0.2980 ppm	0.3024 ppm	52.4115 ppm	14.8068 ppm	0.0200 ppm
Concentration per Run 2	0.0536 ppm	0.5074 ppm	0.2950 ppm	0.3010 ppm	52.9079 ppm	14.9471 ppm	0.0203 ppm
Concentration per Run 3	0.0525 ppm	0.4983 ppm	0.2929 ppm	0.3001 ppm	52.4245 ppm	14.8622 ppm	0.0199 ppm
Concentration RSD	2.3 %	2.4 %	0.9 %	0.4 %	0.5 %	0.5 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	24.2864 ppm	0.7904 ppm	0.9172 ppm	10.8977 ppm	0.5174 ppm	0.6064 ppm	0.3127 ppm
Concentration per Run 1	24.4626 ppm	0.7861 ppm	0.9391 ppm	10.8431 ppm	0.5299 ppm	0.6220 ppm	0.3215 ppm
Concentration per Run 2	24.2393 ppm	0.7968 ppm	0.9153 ppm	10.9873 ppm	0.5149 ppm	0.6015 ppm	0.3116 ppm
Concentration per Run 3	24.1574 ppm	0.7884 ppm	0.8973 ppm	10.8627 ppm	0.5073 ppm	0.5957 ppm	0.3050 ppm
Concentration RSD	0.7 %	0.7 %	2.3 %	0.7 %	2.2 %	2.3 %	2.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1018 ppm	28.6367 [SIC 50]	0.9372 ppm	1.0741 ppm	1.8970 ppm	0.1104 ppm	0.5784 ppm
Concentration per Run 1	0.1066 ppm	30.3637 ppm	0.9607 ppm	1.0690 ppm	1.9317 ppm	0.1113 ppm	0.5814 ppm
Concentration per Run 2	0.1019 ppm	28.5795 ppm	0.9336 ppm	1.0815 ppm	1.8851 ppm	0.1116 ppm	0.5772 ppm
Concentration per Run 3	0.0968 ppm	26.9671 ppm	0.9172 ppm	1.0717 ppm	1.8742 ppm	0.1082 ppm	0.5765 ppm
Concentration RSD	4.8 %	5.9 %	2.3 %	0.6 %	1.6 %	1.7 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7493 ppm	108.4748 %	107.1801 %	107.2829 %	102.8079 %	97.8736 %	102.3680 %
Concentration per Run 1	0.7676 ppm	108.7822 %	107.3326 %	107.2480 %	103.1785 %	97.2991 %	102.3172 %
Concentration per Run 2	0.7460 ppm	108.3639 %	107.2121 %	107.2138 %	102.4866 %	98.0237 %	102.5351 %
Concentration per Run 3	0.7344 ppm	108.2782 %	106.9955 %	107.3871 %	102.7587 %	98.2980 %	102.2518 %
Concentration RSD	2.2 %	0.2 %	0.2 %	0.1 %	0.3 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-4D2 WG2038135
Analysis started at: 3/10/2025 12:13:18
Comments <Comment>
Rack: 1
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	37.6395 ppm	0.0440 ppm	0.0204 ppm	0.2520 ppm	0.0035 ppm	28.3114 ppm
Concentration per Run 1	0.0003 ppm	36.9209 ppm	0.0448 ppm	0.0204 ppm	0.2472 ppm	0.0034 ppm	27.8178 ppm
Concentration per Run 2	0.0000 ppm	38.1191 ppm	0.0420 ppm	0.0206 ppm	0.2554 ppm	0.0035 ppm	28.5312 ppm
Concentration per Run 3	0.0001 ppm	37.8786 ppm	0.0454 ppm	0.0201 ppm	0.2534 ppm	0.0035 ppm	28.5854 ppm
Concentration RSD	101.5 %	1.7 %	4.1 %	1.5 %	1.7 %	1.7 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0170 ppm	0.1208 ppm	0.1773 ppm	57.8909 ppm	4.3584 ppm	0.0164 ppm
Concentration per Run 1	-0.0001 ppm	0.0172 ppm	0.1206 ppm	0.1776 ppm	56.8093 ppm	4.2640 ppm	0.0160 ppm
Concentration per Run 2	-0.0002 ppm	0.0171 ppm	0.1208 ppm	0.1774 ppm	58.3881 ppm	4.4420 ppm	0.0171 ppm
Concentration per Run 3	-0.0002 ppm	0.0166 ppm	0.1208 ppm	0.1770 ppm	58.4751 ppm	4.3693 ppm	0.0160 ppm
Concentration RSD	29.0 %	1.9 %	0.1 %	0.2 %	1.6 %	2.1 %	3.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.1952 ppm	0.3013 ppm	0.0074 ppm	0.3107 ppm	0.0850 ppm	0.2202 ppm	-0.0009 ppm
Concentration per Run 1	18.2450 ppm	0.2962 ppm	0.0076 ppm	0.3131 ppm	0.0866 ppm	0.2257 ppm	-0.0003 ppm
Concentration per Run 2	18.1995 ppm	0.3041 ppm	0.0075 ppm	0.3161 ppm	0.0844 ppm	0.2183 ppm	-0.0017 ppm
Concentration per Run 3	18.1412 ppm	0.3035 ppm	0.0072 ppm	0.3030 ppm	0.0841 ppm	0.2167 ppm	-0.0008 ppm
Concentration RSD	0.3 %	1.5 %	3.1 %	2.2 %	1.6 %	2.2 %	75.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	28.3164 [SIC 50]	0.0525 ppm	0.0315 ppm	1.1412 ppm	-0.0077 ppm	0.0921 ppm
Concentration per Run 1	0.0030 ppm	29.7985 ppm	0.0524 ppm	0.0308 ppm	1.1711 ppm	-0.0081 ppm	0.0924 ppm
Concentration per Run 2	0.0019 ppm	28.4018 ppm	0.0531 ppm	0.0324 ppm	1.1362 ppm	-0.0090 ppm	0.0922 ppm
Concentration per Run 3	0.0016 ppm	26.7489 ppm	0.0519 ppm	0.0312 ppm	1.1164 ppm	-0.0061 ppm	0.0919 ppm
Concentration RSD	33.8 %	5.4 %	1.1 %	2.7 %	2.4 %	19.6 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8176 ppm	109.7783 %	108.1912 %	107.3496 %	103.7744 %	95.6604 %	103.0483 %
Concentration per Run 1	0.8312 ppm	111.2428 %	108.3380 %	107.5318 %	105.5332 %	96.0037 %	103.1289 %
Concentration per Run 2	0.8159 ppm	109.0522 %	108.2088 %	107.6179 %	103.1014 %	95.9050 %	102.9514 %
Concentration per Run 3	0.8057 ppm	109.0400 %	108.0266 %	106.8993 %	102.6887 %	95.0725 %	103.0646 %
Concentration RSD	1.6 %	1.2 %	0.1 %	0.4 %	1.5 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-5D2 WG2038135
Analysis started at: 3/10/2025 12:18:21
Comments <Comment>
Rack: 1
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0169 ppm	39.3029 ppm	0.1629 ppm	0.9907 ppm	2.0857 ppm	0.0523 ppm	17.8772 ppm
Concentration per Run 1	0.0170 ppm	39.0807 ppm	0.1639 ppm	1.0004 ppm	2.0662 ppm	0.0519 ppm	17.7698 ppm
Concentration per Run 2	0.0169 ppm	39.4150 ppm	0.1623 ppm	0.9821 ppm	2.0937 ppm	0.0523 ppm	17.9328 ppm
Concentration per Run 3	0.0167 ppm	39.4131 ppm	0.1626 ppm	0.9896 ppm	2.0973 ppm	0.0525 ppm	17.9290 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.9 %	0.8 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0539 ppm	0.5032 ppm	0.3011 ppm	0.2850 ppm	55.9120 ppm	14.2667 ppm	0.0168 ppm
Concentration per Run 1	0.0544 ppm	0.5077 ppm	0.3013 ppm	0.2840 ppm	55.5604 ppm	14.2174 ppm	0.0166 ppm
Concentration per Run 2	0.0534 ppm	0.5002 ppm	0.3018 ppm	0.2863 ppm	56.0983 ppm	14.2991 ppm	0.0172 ppm
Concentration per Run 3	0.0538 ppm	0.5016 ppm	0.3001 ppm	0.2847 ppm	56.0774 ppm	14.2834 ppm	0.0165 ppm
Concentration RSD	0.9 %	0.8 %	0.3 %	0.4 %	0.5 %	0.3 %	2.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.1349 ppm	0.7109 ppm	0.9638 ppm	10.4286 ppm	0.5104 ppm	0.6211 ppm	0.5015 ppm
Concentration per Run 1	16.1199 ppm	0.7067 ppm	0.9734 ppm	10.3594 ppm	0.5161 ppm	0.6278 ppm	0.5043 ppm
Concentration per Run 2	16.1464 ppm	0.7127 ppm	0.9571 ppm	10.4543 ppm	0.5070 ppm	0.6171 ppm	0.5001 ppm
Concentration per Run 3	16.1385 ppm	0.7134 ppm	0.9610 ppm	10.4723 ppm	0.5082 ppm	0.6185 ppm	0.5000 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.6 %	1.0 %	0.9 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1200 ppm	27.9183 [SIC 50]	1.0146 [SIC 20]	1.0119 ppm	2.0615 ppm	0.1155 ppm	0.5703 ppm
Concentration per Run 1	0.1227 ppm	29.4112 ppm	1.0252 ppm	1.0049 ppm	2.0691 ppm	0.1166 ppm	0.5700 ppm
Concentration per Run 2	0.1172 ppm	27.5612 ppm	1.0065 ppm	1.0154 ppm	2.0624 ppm	0.1130 ppm	0.5712 ppm
Concentration per Run 3	0.1201 ppm	26.7825 ppm	1.0121 ppm	1.0153 ppm	2.0531 ppm	0.1168 ppm	0.5699 ppm
Concentration RSD	2.3 %	4.8 %	0.9 %	0.6 %	0.4 %	1.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.7258 ppm	109.9997 %	108.9683 %	109.3480 %	103.5392 %	99.0355 %	102.8510 %
Concentration per Run 1	0.7319 ppm	110.4601 %	109.4897 %	108.9888 %	103.9420 %	98.2254 %	102.8937 %
Concentration per Run 2	0.7228 ppm	109.9226 %	108.8039 %	110.1726 %	103.1913 %	99.6316 %	102.7173 %
Concentration per Run 3	0.7228 ppm	109.6164 %	108.6114 %	108.8827 %	103.4843 %	99.2496 %	102.9420 %
Concentration RSD	0.7 %	0.4 %	0.4 %	0.7 %	0.4 %	0.7 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038135-6D10 WG2038135
Analysis started at: 3/10/2025 12:23:22
Comments <Comment>
Rack: 1
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	7.9870 ppm	0.0083 ppm	0.0030 ppm	0.0307 ppm	0.0004 ppm	1.7729 ppm
Concentration per Run 1	0.0003 ppm	7.8426 ppm	0.0093 ppm	0.0034 ppm	0.0304 ppm	0.0004 ppm	1.7459 ppm
Concentration per Run 2	-0.0001 ppm	8.0546 ppm	0.0086 ppm	0.0031 ppm	0.0310 ppm	0.0004 ppm	1.7750 ppm
Concentration per Run 3	0.0004 ppm	8.0639 ppm	0.0071 ppm	0.0026 ppm	0.0306 ppm	0.0005 ppm	1.7979 ppm
Concentration RSD	136.8 %	1.6 %	13.1 %	13.0 %	1.0 %	4.8 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0014 ppm	0.0235 ppm	0.0071 ppm	11.8515 ppm	0.9059 ppm	0.0041 ppm
Concentration per Run 1	0.0000 ppm	0.0013 ppm	0.0233 ppm	0.0073 ppm	11.6633 ppm	0.8824 ppm	0.0036 ppm
Concentration per Run 2	0.0000 ppm	0.0016 ppm	0.0234 ppm	0.0070 ppm	11.9313 ppm	0.9283 ppm	0.0046 ppm
Concentration per Run 3	0.0001 ppm	0.0013 ppm	0.0238 ppm	0.0071 ppm	11.9600 ppm	0.9070 ppm	0.0042 ppm
Concentration RSD	62.9 %	14.3 %	1.2 %	1.8 %	1.4 %	2.5 %	12.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.3571 ppm	0.0463 ppm	0.0017 ppm	0.0659 ppm	0.0039 ppm	0.0171 ppm	-0.0002 ppm
Concentration per Run 1	1.3451 ppm	0.0454 ppm	0.0019 ppm	0.0715 ppm	0.0038 ppm	0.0173 ppm	0.0007 ppm
Concentration per Run 2	1.3466 ppm	0.0471 ppm	0.0017 ppm	0.0643 ppm	0.0040 ppm	0.0186 ppm	0.0001 ppm
Concentration per Run 3	1.3797 ppm	0.0464 ppm	0.0015 ppm	0.0618 ppm	0.0038 ppm	0.0156 ppm	-0.0013 ppm
Concentration RSD	1.4 %	1.8 %	12.2 %	7.7 %	3.2 %	8.8 %	534.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	6.5026 ppm	0.0039 ppm	0.0049 ppm	0.2550 ppm	-0.0024 ppm	0.0202 ppm
Concentration per Run 1	0.0011 ppm	6.6349 ppm	0.0029 ppm	0.0049 ppm	0.2668 ppm	-0.0011 ppm	0.0200 ppm
Concentration per Run 2	0.0027 ppm	6.5087 ppm	0.0043 ppm	0.0049 ppm	0.2367 ppm	-0.0019 ppm	0.0201 ppm
Concentration per Run 3	0.0013 ppm	6.3642 ppm	0.0045 ppm	0.0049 ppm	0.2613 ppm	-0.0042 ppm	0.0205 ppm
Concentration RSD	53.0 %	2.1 %	22.0 %	0.6 %	6.3 %	66.7 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0496 ppm	104.4923 %	104.1075 %	103.5238 %	104.4987 %	97.8735 %	104.4826 %
Concentration per Run 1	0.0497 ppm	105.8838 %	105.0347 %	103.5216 %	106.0299 %	98.3930 %	105.3517 %
Concentration per Run 2	0.0492 ppm	104.0667 %	104.6639 %	103.6109 %	104.1435 %	98.0140 %	105.2399 %
Concentration per Run 3	0.0498 ppm	103.5263 %	102.6238 %	103.4388 %	103.3227 %	97.2136 %	102.8563 %
Concentration RSD	0.6 %	1.2 %	1.2 %	0.1 %	1.3 %	0.6 %	1.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 12:28:30
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4703 ppm	0.5212 ppm	0.4989 ppm	0.4973 ppm	0.4960 ppm	0.5083 ppm	0.4966 ppm
Concentration per Run 1	0.4705 ppm	0.5155 ppm	0.5008 ppm	0.4977 ppm	0.4885 ppm	0.5015 ppm	0.4910 ppm
Concentration per Run 2	0.4702 ppm	0.5255 ppm	0.4990 ppm	0.4962 ppm	0.4993 ppm	0.5111 ppm	0.4959 ppm
Concentration per Run 3	0.4703 ppm	0.5227 ppm	0.4969 ppm	0.4979 ppm	0.5001 ppm	0.5124 ppm	0.5030 ppm
Recovery Percentage 1	94.065 %	104.250 %	99.781 %	99.454 %	99.195 %	101.663 %	99.328 %
Concentration RSD	0.0 %	1.0 %	0.4 %	0.2 %	1.3 %	1.2 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5162 ppm	0.5088 ppm	0.4920 ppm	0.4884 ppm	0.5147 ppm	5.2439 ppm	0.5023 ppm
Concentration per Run 1	0.5175 ppm	0.5103 ppm	0.4923 ppm	0.4885 ppm	0.5072 ppm	5.1738 ppm	0.4958 ppm
Concentration per Run 2	0.5154 ppm	0.5076 ppm	0.4912 ppm	0.4892 ppm	0.5166 ppm	5.2695 ppm	0.5036 ppm
Concentration per Run 3	0.5157 ppm	0.5085 ppm	0.4925 ppm	0.4876 ppm	0.5202 ppm	5.2885 ppm	0.5076 ppm
Recovery Percentage 1	103.233 %	101.759 %	98.400 %	97.684 %	102.933 %	104.878 %	100.467 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	1.3 %	1.2 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5096 ppm	0.5027 ppm	0.4892 ppm	10.1149 ppm	0.4996 ppm	0.4942 ppm	0.5121 ppm
Concentration per Run 1	0.5070 ppm	0.4965 ppm	0.4886 ppm	9.9757 ppm	0.5005 ppm	0.4918 ppm	0.5093 ppm
Concentration per Run 2	0.5112 ppm	0.5059 ppm	0.4885 ppm	10.1606 ppm	0.4993 ppm	0.4946 ppm	0.5127 ppm
Concentration per Run 3	0.5107 ppm	0.5059 ppm	0.4904 ppm	10.2083 ppm	0.4988 ppm	0.4963 ppm	0.5144 ppm
Recovery Percentage 1	101.926 %	100.548 %	97.831 %	101.149 %	99.911 %	98.845 %	102.422 %
Concentration RSD	0.4 %	1.1 %	0.2 %	1.2 %	0.2 %	0.5 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4956 ppm	5.8988 ppm	0.5198 ppm	0.5054 ppm	0.4926 ppm	0.4845 ppm	0.4861 ppm
Concentration per Run 1	0.4971 ppm	5.9050 ppm	0.5214 ppm	0.4981 ppm	0.4918 ppm	0.4825 ppm	0.4854 ppm
Concentration per Run 2	0.4932 ppm	5.8929 ppm	0.5191 ppm	0.5086 ppm	0.4935 ppm	0.4816 ppm	0.4858 ppm
Concentration per Run 3	0.4966 ppm	5.8984 ppm	0.5189 ppm	0.5096 ppm	0.4926 ppm	0.4894 ppm	0.4873 ppm
Recovery Percentage 1	99.124 %	112.357 %	103.959 %	101.089 %	98.527 %	96.900 %	97.230 %
Concentration RSD	0.4 %	0.1 %	0.3 %	1.3 %	0.2 %	0.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5117 ppm	101.6263 %	101.8292 %	102.2451 %	103.7206 %	99.4507 %	104.4320 %
Concentration per Run 1	0.5128 ppm	102.4638 %	102.1676 %	102.4216 %	104.7389 %	99.4506 %	104.7282 %
Concentration per Run 2	0.5106 ppm	101.3638 %	101.6877 %	102.2949 %	103.4768 %	99.5788 %	104.2587 %
Concentration per Run 3	0.5116 ppm	101.0511 %	101.6323 %	102.0187 %	102.9462 %	99.3228 %	104.3090 %
Recovery Percentage 1	102.334 %						
Concentration RSD	0.2 %	0.7 %	0.3 %	0.2 %	0.9 %	0.1 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 12:33:23
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0018 ppm	-0.0001 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 1	0.0001 ppm	-0.0032 ppm	0.0013 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0020 ppm
Concentration per Run 2	0.0000 ppm	-0.0025 ppm	-0.0013 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 3	0.0008 ppm	0.0004 ppm	-0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	-0.0023 ppm
Recovery Percentage 1	6.271 %	-1.791 %	-2.144 %	2.949 %	0.938 %	1.277 %	-0.754 %
Concentration RSD	123.3 %	106.4 %	1,241.0 %	26.4 %	39.5 %	2.8 %	318.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0120 ppm	0.0003 ppm
Concentration per Run 1	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0179 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0006 ppm	0.0089 ppm	0.0002 ppm
Concentration per Run 3	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0004 ppm	0.0018 ppm	0.0090 ppm	0.0005 ppm
Recovery Percentage 1	5.703 %	0.659 %	1.608 %	3.110 %	2.029 %	0.479 %	3.044 %
Concentration RSD	34.4 %	110.0 %	17.1 %	67.3 %	63.8 %	43.3 %	60.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	0.0002 ppm	0.0002 ppm	0.0102 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0110 ppm	-0.0003 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 2	0.0023 ppm	0.0001 ppm	0.0003 ppm	0.0075 ppm	0.0005 ppm	0.0006 ppm	-0.0004 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0123 ppm	-0.0001 ppm	0.0005 ppm	0.0002 ppm
Recovery Percentage 1	1.041 %	1.743 %	0.347 %	0.511 %	0.122 %	-0.868 %	0.341 %
Concentration RSD	117.9 %	22.0 %	79.6 %	24.2 %	1,491.3 %	1,270.8 %	328.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0014 ppm	0.0202 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	-0.0015 ppm	0.0208 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 2	-0.0019 ppm	0.0198 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm	0.0004 ppm
Concentration per Run 3	-0.0007 ppm	0.0201 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	-13.941 %	4.048 %	-0.656 %	1.055 %	1.811 %	-4.283 %	2.453 %
Concentration RSD	45.9 %	2.5 %	120.5 %	27.3 %	84.5 %	246.8 %	63.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0005 ppm	101.6167 %	102.1111 %	101.8358 %	102.5110 %	99.8419 %	103.6859 %
Concentration per Run 1	-0.0003 ppm	102.7641 %	101.9763 %	102.2679 %	103.8719 %	99.9970 %	103.5829 %
Concentration per Run 2	-0.0005 ppm	100.9757 %	102.1457 %	101.7484 %	101.8306 %	99.7995 %	103.7586 %
Concentration per Run 3	-0.0006 ppm	101.1103 %	102.2115 %	101.4911 %	101.8305 %	99.7293 %	103.7162 %
Recovery Percentage 1	-9.493 %						
Concentration RSD	40.5 %	1.0 %	0.1 %	0.4 %	1.1 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 1000 Ca
Analysis started at: 3/10/2025 12:52:49
Comments <Comment>
Rack: 1
Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0245 ppm	-0.0026 ppm	0.0016 ppm	-0.0001 ppm	-0.0001 ppm	928.4048 ppm
Concentration per Run 1	-0.0002 ppm	0.0246 ppm	-0.0036 ppm	0.0017 ppm	0.0000 ppm	-0.0001 ppm	921.8192 ppm
Concentration per Run 2	0.0004 ppm	0.0268 ppm	-0.0026 ppm	0.0013 ppm	-0.0002 ppm	-0.0001 ppm	939.1248 ppm
Concentration per Run 3	0.0002 ppm	0.0220 ppm	-0.0017 ppm	0.0019 ppm	-0.0001 ppm	-0.0001 ppm	924.2705 ppm
Concentration RSD	222.0 %	9.9 %	36.2 %	19.0 %	85.6 %	14.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0083 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.0108 ppm	0.0407 ppm	-0.0171 ppm
Concentration per Run 1	-0.0082 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0099 ppm	0.0543 ppm	-0.0177 ppm
Concentration per Run 2	-0.0084 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	0.0111 ppm	0.0201 ppm	-0.0167 ppm
Concentration per Run 3	-0.0084 ppm	0.0000 ppm	0.0016 ppm	0.0000 ppm	0.0113 ppm	0.0477 ppm	-0.0170 ppm
Concentration RSD	1.4 %	280.8 %	65.9 %	2,652.6 %	7.4 %	44.6 %	2.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0003 ppm	0.0007 ppm	0.0464 ppm	-0.0001 ppm	-0.0016 ppm	-0.0012 ppm
Concentration per Run 1	0.0010 ppm	0.0003 ppm	0.0007 ppm	0.0438 ppm	-0.0007 ppm	-0.0019 ppm	-0.0005 ppm
Concentration per Run 2	0.0024 ppm	0.0001 ppm	0.0007 ppm	0.0496 ppm	0.0006 ppm	-0.0012 ppm	-0.0024 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0459 ppm	-0.0001 ppm	-0.0017 ppm	-0.0006 ppm
Concentration RSD	98.8 %	78.0 %	6.6 %	6.3 %	1,071.5 %	21.7 %	90.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0140 ppm	0.0013 ppm	0.0004 ppm	-0.0005 ppm	-0.0014 ppm	-0.0001 ppm
Concentration per Run 1	-0.0007 ppm	0.0136 ppm	0.0009 ppm	0.0004 ppm	-0.0005 ppm	-0.0031 ppm	-0.0002 ppm
Concentration per Run 2	0.0014 ppm	0.0132 ppm	0.0030 ppm	0.0004 ppm	-0.0001 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run 3	-0.0014 ppm	0.0151 ppm	0.0000 ppm	0.0004 ppm	-0.0008 ppm	-0.0022 ppm	0.0000 ppm
Concentration RSD	660.4 %	7.1 %	120.8 %	4.7 %	75.8 %	162.5 %	96.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0016 ppm	95.4651 %	90.2750 %	99.1923 %	97.1454 %	97.9336 %	92.5624 %
Concentration per Run 1	-0.0017 ppm	95.8565 %	90.1943 %	99.4222 %	97.5059 %	98.1865 %	92.5993 %
Concentration per Run 2	-0.0017 ppm	94.6620 %	90.3017 %	99.1972 %	96.3954 %	97.8818 %	92.5407 %
Concentration per Run 3	-0.0015 ppm	95.8768 %	90.3289 %	98.9575 %	97.5348 %	97.7324 %	92.5471 %
Concentration RSD	7.4 %	0.7 %	0.1 %	0.2 %	0.7 %	0.2 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2513083-01D2 WG2038135
Analysis started at: 3/10/2025 12:58:06
Comments <Comment>
Rack: 1
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0007 ppm	90.2816 ppm	0.0193 ppm	0.0041 ppm	0.9047 ppm	0.0033 ppm	12.6103 ppm
Concentration per Run 1	-0.0006 ppm	89.6325 ppm	0.0210 ppm	0.0046 ppm	0.8987 ppm	0.0033 ppm	12.5599 ppm
Concentration per Run 2	-0.0008 ppm	90.5233 ppm	0.0203 ppm	0.0040 ppm	0.9067 ppm	0.0033 ppm	12.6466 ppm
Concentration per Run 3	-0.0006 ppm	90.6889 ppm	0.0166 ppm	0.0037 ppm	0.9087 ppm	0.0033 ppm	12.6244 ppm
Concentration RSD	18.7 %	0.6 %	12.4 %	11.2 %	0.6 %	0.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0188 ppm	0.1380 ppm	0.0535 ppm	85.0676 ppm	2.1357 ppm	0.0467 ppm
Concentration per Run 1	-0.0009 ppm	0.0189 ppm	0.1374 ppm	0.0536 ppm	84.2401 ppm	2.1463 ppm	0.0456 ppm
Concentration per Run 2	-0.0009 ppm	0.0191 ppm	0.1386 ppm	0.0536 ppm	85.9937 ppm	2.1505 ppm	0.0471 ppm
Concentration per Run 3	-0.0010 ppm	0.0183 ppm	0.1381 ppm	0.0534 ppm	84.9689 ppm	2.1103 ppm	0.0475 ppm
Concentration RSD	4.9 %	2.0 %	0.5 %	0.2 %	1.0 %	1.0 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.2950 ppm	0.1829 ppm	0.0007 ppm	5.7434 ppm	0.0483 ppm	0.0682 ppm	-0.0079 ppm
Concentration per Run 1	9.2832 ppm	0.1819 ppm	0.0007 ppm	5.7013 ppm	0.0492 ppm	0.0694 ppm	-0.0072 ppm
Concentration per Run 2	9.2997 ppm	0.1833 ppm	0.0004 ppm	5.7597 ppm	0.0484 ppm	0.0696 ppm	-0.0088 ppm
Concentration per Run 3	9.3020 ppm	0.1834 ppm	0.0008 ppm	5.7692 ppm	0.0473 ppm	0.0656 ppm	-0.0078 ppm
Concentration RSD	0.1 %	0.5 %	30.5 %	0.6 %	2.0 %	3.3 %	10.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0031 ppm	17.1258 ppm	0.0072 ppm	0.0825 ppm	0.8585 ppm	-0.0077 ppm	0.2313 ppm
Concentration per Run 1	0.0026 ppm	18.5614 ppm	0.0090 ppm	0.0819 ppm	0.8680 ppm	-0.0060 ppm	0.2315 ppm
Concentration per Run 2	0.0047 ppm	17.0842 ppm	0.0065 ppm	0.0829 ppm	0.8607 ppm	-0.0089 ppm	0.2313 ppm
Concentration per Run 3	0.0019 ppm	15.7317 ppm	0.0060 ppm	0.0828 ppm	0.8470 ppm	-0.0081 ppm	0.2311 ppm
Concentration RSD	47.1 %	8.3 %	22.7 %	0.7 %	1.2 %	20.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1518 ppm	120.2078 %	119.1592 %	118.5173 %	108.7571 %	100.2704 %	108.3088 %
Concentration per Run 1	0.1546 ppm	120.4002 %	119.2735 %	118.6605 %	109.2202 %	99.8360 %	108.4309 %
Concentration per Run 2	0.1516 ppm	120.2960 %	119.3052 %	118.6592 %	108.5372 %	100.5986 %	108.3282 %
Concentration per Run 3	0.1493 ppm	119.9271 %	118.8987 %	118.2323 %	108.5140 %	100.3766 %	108.1674 %
Concentration RSD	1.7 %	0.2 %	0.2 %	0.2 %	0.4 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2513083-03D2 WG2038135
Analysis started at: 3/10/2025 13:03:20
Comments <Comment>
Rack: 1
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	64.6215 ppm	0.0075 ppm	0.0073 ppm	0.3711 ppm	0.0022 ppm	6.6460 ppm
Concentration per Run 1	-0.0002 ppm	64.3330 ppm	0.0072 ppm	0.0070 ppm	0.3701 ppm	0.0022 ppm	6.5999 ppm
Concentration per Run 2	-0.0002 ppm	64.9913 ppm	0.0064 ppm	0.0078 ppm	0.3728 ppm	0.0022 ppm	6.6912 ppm
Concentration per Run 3	-0.0002 ppm	64.5401 ppm	0.0090 ppm	0.0071 ppm	0.3704 ppm	0.0022 ppm	6.6469 ppm
Concentration RSD	23.6 %	0.5 %	17.6 %	6.0 %	0.4 %	0.3 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0243 ppm	0.1156 ppm	0.1129 ppm	82.5958 ppm	3.5937 ppm	0.0810 ppm
Concentration per Run 1	-0.0006 ppm	0.0252 ppm	0.1168 ppm	0.1136 ppm	81.8497 ppm	3.6115 ppm	0.0806 ppm
Concentration per Run 2	-0.0008 ppm	0.0240 ppm	0.1157 ppm	0.1127 ppm	83.2911 ppm	3.6140 ppm	0.0814 ppm
Concentration per Run 3	-0.0007 ppm	0.0236 ppm	0.1143 ppm	0.1122 ppm	82.6466 ppm	3.5557 ppm	0.0809 ppm
Concentration RSD	15.5 %	3.3 %	1.1 %	0.6 %	0.9 %	0.9 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.0347 ppm	0.8851 ppm	0.0027 ppm	2.3550 ppm	0.0632 ppm	0.0411 ppm	-0.0046 ppm
Concentration per Run 1	18.1865 ppm	0.8794 ppm	0.0034 ppm	2.3560 ppm	0.0645 ppm	0.0435 ppm	-0.0050 ppm
Concentration per Run 2	18.0474 ppm	0.8898 ppm	0.0025 ppm	2.3640 ppm	0.0635 ppm	0.0411 ppm	-0.0069 ppm
Concentration per Run 3	17.8701 ppm	0.8861 ppm	0.0022 ppm	2.3451 ppm	0.0616 ppm	0.0386 ppm	-0.0020 ppm
Concentration RSD	0.9 %	0.6 %	22.3 %	0.4 %	2.3 %	6.0 %	53.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	14.6618 ppm	0.0066 ppm	0.0526 ppm	1.8914 ppm	-0.0068 ppm	0.1666 ppm
Concentration per Run 1	0.0022 ppm	16.4152 ppm	0.0073 ppm	0.0523 ppm	1.8928 ppm	-0.0074 ppm	0.1679 ppm
Concentration per Run 2	0.0004 ppm	14.7614 ppm	0.0060 ppm	0.0529 ppm	1.8998 ppm	-0.0070 ppm	0.1664 ppm
Concentration per Run 3	-0.0002 ppm	12.8088 ppm	0.0065 ppm	0.0525 ppm	1.8814 ppm	-0.0060 ppm	0.1655 ppm
Concentration RSD	154.4 %	12.3 %	9.7 %	0.6 %	0.5 %	10.5 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1599 ppm	117.8357 %	116.9132 %	115.4162 %	107.8223 %	99.5431 %	107.6187 %
Concentration per Run 1	0.1638 ppm	118.5425 %	116.5897 %	115.5634 %	108.4745 %	98.9110 %	107.2292 %
Concentration per Run 2	0.1601 ppm	117.2721 %	116.8494 %	115.3616 %	107.3944 %	99.2206 %	107.6221 %
Concentration per Run 3	0.1559 ppm	117.6924 %	117.3005 %	115.3237 %	107.5981 %	100.4978 %	108.0049 %
Concentration RSD	2.5 %	0.5 %	0.3 %	0.1 %	0.5 %	0.8 %	0.4 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: EL2513083-04D2 WG2038135
Analysis started at: 3/10/2025 13:08:31
Comments <Comment>
Rack: 1
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0300 ppm	306.7306 ppm	0.0424 ppm	2.5033 [SIC 20]	5.2216 ppm	0.1437 ppm	109.4845 ppm
Concentration per Run 1	0.0300 ppm	307.9610 ppm	0.0467 ppm	2.5509 ppm	5.2067 ppm	0.1443 ppm	109.8112 ppm
Concentration per Run 2	0.0300 ppm	305.7728 ppm	0.0415 ppm	2.5119 ppm	5.2188 ppm	0.1435 ppm	109.5372 ppm
Concentration per Run 3	0.0300 ppm	306.4581 ppm	0.0388 ppm	2.4472 ppm	5.2394 ppm	0.1433 ppm	109.1050 ppm
Concentration RSD	0.1 %	0.4 %	9.5 %	2.1 %	0.3 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0036 ppm	1.1989 ppm	3.8263 ppm	27.5901 [SIC 20]	787.2497 [SIC 500]	30.2144 ppm	0.2643 ppm
Concentration per Run 1	0.0044 ppm	1.2242 ppm	3.8469 ppm	27.6481 ppm	784.7973 ppm	30.3420 ppm	0.2641 ppm
Concentration per Run 2	0.0035 ppm	1.2038 ppm	3.8268 ppm	27.6053 ppm	790.8475 ppm	30.2072 ppm	0.2657 ppm
Concentration per Run 3	0.0028 ppm	1.1687 ppm	3.8053 ppm	27.5169 ppm	786.1044 ppm	30.0940 ppm	0.2631 ppm
Concentration RSD	23.0 %	2.3 %	0.5 %	0.2 %	0.4 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	45.5055 ppm	9.4836 ppm	0.6249 ppm	23.5636 ppm	13.2273 [SIC 20]	24.3821 ppm	-0.0129 ppm
Concentration per Run 1	45.7488 ppm	9.5183 ppm	0.6374 ppm	23.6278 ppm	13.4921 ppm	24.8810 ppm	-0.0093 ppm
Concentration per Run 2	45.5572 ppm	9.4836 ppm	0.6268 ppm	23.5570 ppm	13.2749 ppm	24.4575 ppm	-0.0142 ppm
Concentration per Run 3	45.2107 ppm	9.4487 ppm	0.6105 ppm	23.5061 ppm	12.9149 ppm	23.8079 ppm	-0.0153 ppm
Concentration RSD	0.6 %	0.4 %	2.2 %	0.3 %	2.2 %	2.2 %	24.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0961 ppm	53.2479 [SIC 50]	7.1116 [SIC 20]	2.0854 ppm	9.6859 ppm	-0.0041 ppm	0.4738 ppm
Concentration per Run 1	0.0967 ppm	54.4714 ppm	7.2643 ppm	2.0914 ppm	9.7080 ppm	-0.0050 ppm	0.4756 ppm
Concentration per Run 2	0.0974 ppm	53.4560 ppm	7.1339 ppm	2.0994 ppm	9.6949 ppm	-0.0007 ppm	0.4746 ppm
Concentration per Run 3	0.0942 ppm	51.8164 ppm	6.9367 ppm	2.0653 ppm	9.6548 ppm	-0.0065 ppm	0.4711 ppm
Concentration RSD	1.8 %	2.5 %	2.3 %	0.9 %	0.3 %	73.5 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	77.1208 [SIC 20]	125.7577 %	120.5199 %	112.3673 %	107.5742 %	95.4948 %	104.0330 %
Concentration per Run 1	78.2941 ppm	125.9535 %	120.6058 %	112.7753 %	107.8102 %	95.5019 %	104.1243 %
Concentration per Run 2	77.3912 ppm	125.4816 %	120.5695 %	112.3111 %	107.4960 %	95.3011 %	104.0613 %
Concentration per Run 3	75.6771 ppm	125.8380 %	120.3843 %	112.0156 %	107.4163 %	95.6813 %	103.9133 %
Concentration RSD	1.7 %	0.2 %	0.1 %	0.3 %	0.2 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2513083-05D2 WG2038135
Analysis started at: 3/10/2025 13:14:13
Comments <Comment>
Rack: 1
Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	73.9121 ppm	0.0181 ppm	0.0223 ppm	0.3341 ppm	0.0034 ppm	46.8766 ppm
Concentration per Run 1	-0.0006 ppm	73.6232 ppm	0.0193 ppm	0.0231 ppm	0.3334 ppm	0.0034 ppm	46.7921 ppm
Concentration per Run 2	0.0000 ppm	74.2568 ppm	0.0175 ppm	0.0218 ppm	0.3363 ppm	0.0034 ppm	46.8452 ppm
Concentration per Run 3	0.0000 ppm	73.8564 ppm	0.0173 ppm	0.0221 ppm	0.3327 ppm	0.0034 ppm	46.9927 ppm
Concentration RSD	204.1 %	0.4 %	6.1 %	3.2 %	0.6 %	0.3 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0671 ppm	0.1237 ppm	0.2276 ppm	149.9585 ppm	7.3098 ppm	0.1295 ppm
Concentration per Run 1	-0.0008 ppm	0.0685 ppm	0.1242 ppm	0.2280 ppm	149.1745 ppm	7.3244 ppm	0.1287 ppm
Concentration per Run 2	-0.0008 ppm	0.0673 ppm	0.1232 ppm	0.2275 ppm	149.3796 ppm	7.3430 ppm	0.1308 ppm
Concentration per Run 3	-0.0011 ppm	0.0656 ppm	0.1237 ppm	0.2273 ppm	151.3213 ppm	7.2620 ppm	0.1290 ppm
Concentration RSD	17.3 %	2.2 %	0.4 %	0.2 %	0.8 %	0.6 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	44.8708 ppm	2.3156 ppm	0.0012 ppm	4.0326 ppm	0.1400 ppm	0.0633 ppm	-0.0087 ppm
Concentration per Run 1	45.0926 ppm	2.3094 ppm	0.0010 ppm	4.0286 ppm	0.1440 ppm	0.0650 ppm	-0.0076 ppm
Concentration per Run 2	44.8927 ppm	2.3200 ppm	0.0015 ppm	4.0575 ppm	0.1396 ppm	0.0631 ppm	-0.0096 ppm
Concentration per Run 3	44.6271 ppm	2.3175 ppm	0.0012 ppm	4.0117 ppm	0.1364 ppm	0.0620 ppm	-0.0090 ppm
Concentration RSD	0.5 %	0.2 %	17.4 %	0.6 %	2.7 %	2.4 %	11.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	16.7633 ppm	0.0081 ppm	0.1309 ppm	2.0131 ppm	-0.0064 ppm	0.1800 ppm
Concentration per Run 1	0.0016 ppm	18.2454 ppm	0.0085 ppm	0.1305 ppm	2.0236 ppm	-0.0057 ppm	0.1803 ppm
Concentration per Run 2	0.0008 ppm	16.7751 ppm	0.0090 ppm	0.1318 ppm	2.0188 ppm	-0.0060 ppm	0.1804 ppm
Concentration per Run 3	0.0005 ppm	15.2694 ppm	0.0069 ppm	0.1305 ppm	1.9967 ppm	-0.0076 ppm	0.1794 ppm
Concentration RSD	62.2 %	8.9 %	13.4 %	0.6 %	0.7 %	15.8 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3384 ppm	126.9626 %	126.2410 %	125.4503 %	105.6811 %	100.2692 %	105.7696 %
Concentration per Run 1	0.3448 ppm	127.3795 %	126.0272 %	126.0755 %	106.0308 %	100.4522 %	105.5774 %
Concentration per Run 2	0.3384 ppm	127.0596 %	126.4311 %	126.0745 %	105.8797 %	100.4567 %	105.7917 %
Concentration per Run 3	0.3319 ppm	126.4487 %	126.2646 %	124.2011 %	105.1329 %	99.8988 %	105.9396 %
Concentration RSD	1.9 %	0.4 %	0.2 %	0.9 %	0.5 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2513083-04D20 WG2038135
Analysis started at: 3/10/2025 13:25:13
Comments <Comment>
Rack: 1
Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0034 ppm	31.9736 ppm	0.0056 ppm	0.2646 ppm	0.5584 ppm	0.0158 ppm	12.2055 ppm
Concentration per Run 1	0.0030 ppm	31.6909 ppm	0.0052 ppm	0.2642 ppm	0.5534 ppm	0.0157 ppm	12.1508 ppm
Concentration per Run 2	0.0036 ppm	32.0602 ppm	0.0040 ppm	0.2640 ppm	0.5597 ppm	0.0159 ppm	12.2238 ppm
Concentration per Run 3	0.0035 ppm	32.1697 ppm	0.0077 ppm	0.2657 ppm	0.5622 ppm	0.0159 ppm	12.2420 ppm
Concentration RSD	8.8 %	0.8 %	33.6 %	0.4 %	0.8 %	0.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.1278 ppm	0.4428 ppm	3.0135 ppm	112.2980 ppm	3.1257 ppm	0.0272 ppm
Concentration per Run 1	-0.0003 ppm	0.1281 ppm	0.4426 ppm	3.0196 ppm	110.7503 ppm	3.0953 ppm	0.0268 ppm
Concentration per Run 2	-0.0004 ppm	0.1271 ppm	0.4444 ppm	3.0085 ppm	113.1326 ppm	3.1306 ppm	0.0274 ppm
Concentration per Run 3	-0.0004 ppm	0.1281 ppm	0.4414 ppm	3.0123 ppm	113.0112 ppm	3.1512 ppm	0.0272 ppm
Concentration RSD	20.9 %	0.4 %	0.3 %	0.2 %	1.2 %	0.9 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.5043 ppm	1.0510 ppm	0.0668 ppm	2.4406 ppm	1.4110 ppm	2.5788 ppm	-0.0028 ppm
Concentration per Run 1	5.4958 ppm	1.0453 ppm	0.0672 ppm	2.4209 ppm	1.4134 ppm	2.5856 ppm	-0.0038 ppm
Concentration per Run 2	5.5182 ppm	1.0525 ppm	0.0665 ppm	2.4473 ppm	1.4093 ppm	2.5705 ppm	-0.0002 ppm
Concentration per Run 3	5.4989 ppm	1.0551 ppm	0.0667 ppm	2.4536 ppm	1.4103 ppm	2.5804 ppm	-0.0043 ppm
Concentration RSD	0.2 %	0.5 %	0.6 %	0.7 %	0.2 %	0.3 %	81.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0098 ppm	6.2872 ppm	0.7646 ppm	0.2203 ppm	1.0806 ppm	0.0003 ppm	0.0533 ppm
Concentration per Run 1	0.0097 ppm	6.2808 ppm	0.7674 ppm	0.2183 ppm	1.0819 ppm	0.0022 ppm	0.0531 ppm
Concentration per Run 2	0.0095 ppm	6.2928 ppm	0.7618 ppm	0.2209 ppm	1.0819 ppm	-0.0001 ppm	0.0535 ppm
Concentration per Run 3	0.0102 ppm	6.2878 ppm	0.7644 ppm	0.2216 ppm	1.0780 ppm	-0.0012 ppm	0.0533 ppm
Concentration RSD	3.7 %	0.1 %	0.4 %	0.8 %	0.2 %	648.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	10.9479 ppm	105.0417 %	104.5749 %	104.3921 %	104.7946 %	98.9652 %	104.9228 %
Concentration per Run 1	10.9791 ppm	105.4199 %	104.4939 %	104.4026 %	105.2722 %	98.8527 %	104.8015 %
Concentration per Run 2	10.9122 ppm	105.0027 %	104.5427 %	104.4184 %	104.6281 %	99.2436 %	104.8664 %
Concentration per Run 3	10.9524 ppm	104.7026 %	104.6880 %	104.3554 %	104.4835 %	98.7992 %	105.1006 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.0 %	0.4 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 13:30:18
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4688 ppm	0.5280 ppm	0.5042 ppm	0.5012 ppm	0.4962 ppm	0.5058 ppm	0.4975 ppm
Concentration per Run 1	0.4698 ppm	0.5217 ppm	0.5008 ppm	0.4963 ppm	0.4903 ppm	0.4995 ppm	0.4904 ppm
Concentration per Run 2	0.4691 ppm	0.5299 ppm	0.5012 ppm	0.4979 ppm	0.4986 ppm	0.5086 ppm	0.5006 ppm
Concentration per Run 3	0.4676 ppm	0.5324 ppm	0.5107 ppm	0.5093 ppm	0.4997 ppm	0.5092 ppm	0.5015 ppm
Recovery Percentage 1	93.764 %	105.600 %	100.848 %	100.234 %	99.234 %	101.162 %	99.499 %
Concentration RSD	0.2 %	1.1 %	1.1 %	1.4 %	1.0 %	1.1 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5187 ppm	0.5124 ppm	0.4906 ppm	0.4877 ppm	0.5228 ppm	5.2194 ppm	0.5023 ppm
Concentration per Run 1	0.5140 ppm	0.5081 ppm	0.4917 ppm	0.4876 ppm	0.5180 ppm	5.1447 ppm	0.4957 ppm
Concentration per Run 2	0.5150 ppm	0.5096 ppm	0.4904 ppm	0.4869 ppm	0.5231 ppm	5.2207 ppm	0.5055 ppm
Concentration per Run 3	0.5271 ppm	0.5195 ppm	0.4898 ppm	0.4886 ppm	0.5274 ppm	5.2928 ppm	0.5056 ppm
Recovery Percentage 1	103.735 %	102.479 %	98.120 %	97.540 %	104.568 %	104.388 %	100.454 %
Concentration RSD	1.4 %	1.2 %	0.2 %	0.2 %	0.9 %	1.4 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5071 ppm	0.5005 ppm	0.4934 ppm	10.1168 ppm	0.5030 ppm	0.4965 ppm	0.5164 ppm
Concentration per Run 1	0.5068 ppm	0.4936 ppm	0.4882 ppm	9.9813 ppm	0.4984 ppm	0.4898 ppm	0.5088 ppm
Concentration per Run 2	0.5065 ppm	0.5034 ppm	0.4902 ppm	10.1677 ppm	0.4993 ppm	0.4927 ppm	0.5135 ppm
Concentration per Run 3	0.5080 ppm	0.5044 ppm	0.5017 ppm	10.2014 ppm	0.5114 ppm	0.5072 ppm	0.5268 ppm
Recovery Percentage 1	101.422 %	100.097 %	98.673 %	101.168 %	100.602 %	99.306 %	103.278 %
Concentration RSD	0.2 %	1.2 %	1.5 %	1.2 %	1.4 %	1.9 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5015 ppm	5.9083 ppm	0.5233 ppm	0.5054 ppm	0.4924 ppm	0.4891 ppm	0.4853 ppm
Concentration per Run 1	0.4927 ppm	5.8514 ppm	0.5168 ppm	0.4990 ppm	0.4929 ppm	0.4870 ppm	0.4862 ppm
Concentration per Run 2	0.5001 ppm	5.8717 ppm	0.5204 ppm	0.5080 ppm	0.4928 ppm	0.4846 ppm	0.4862 ppm
Concentration per Run 3	0.5117 ppm	6.0019 ppm	0.5327 ppm	0.5092 ppm	0.4916 ppm	0.4958 ppm	0.4836 ppm
Recovery Percentage 1	100.300 %	112.539 %	104.660 %	101.078 %	98.487 %	97.830 %	97.064 %
Concentration RSD	1.9 %	1.4 %	1.6 %	1.1 %	0.2 %	1.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5154 ppm	101.9557 %	102.3963 %	102.0047 %	103.8233 %	99.0514 %	104.9265 %
Concentration per Run 1	0.5103 ppm	102.9833 %	102.4604 %	102.7671 %	104.9115 %	99.9364 %	104.9321 %
Concentration per Run 2	0.5115 ppm	101.4695 %	102.3144 %	102.4867 %	103.2596 %	99.6519 %	104.8461 %
Concentration per Run 3	0.5245 ppm	101.4143 %	102.4141 %	100.7604 %	103.2990 %	97.5659 %	105.0012 %
Recovery Percentage 1	103.090 %						
Concentration RSD	1.5 %	0.9 %	0.1 %	1.1 %	0.9 %	1.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 13:35:12
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0021 ppm	-0.0007 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run 1	-0.0001 ppm	0.0046 ppm	-0.0007 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 2	0.0003 ppm	0.0027 ppm	-0.0013 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 3	0.0003 ppm	-0.0012 ppm	-0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0065 ppm
Recovery Percentage 1	3.500 %	2.058 %	-14.754 %	4.429 %	0.594 %	1.831 %	2.477 %
Concentration RSD	151.9 %	143.7 %	75.3 %	13.8 %	78.4 %	17.5 %	141.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0041 ppm	0.0129 ppm	0.0007 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0038 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run 2	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0051 ppm	0.0188 ppm	-0.0003 ppm
Concentration per Run 3	0.0003 ppm	-0.0006 ppm	-0.0002 ppm	0.0006 ppm	0.0035 ppm	0.0198 ppm	0.0011 ppm
Recovery Percentage 1	6.630 %	-0.868 %	-0.289 %	5.622 %	8.239 %	0.517 %	6.617 %
Concentration RSD	11.0 %	211.9 %	491.9 %	12.5 %	19.8 %	85.3 %	127.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	0.0004 ppm	0.0003 ppm	0.0059 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 1	0.0020 ppm	0.0003 ppm	0.0004 ppm	0.0087 ppm	0.0003 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0067 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.0011 ppm	0.0003 ppm	0.0004 ppm	0.0024 ppm	0.0003 ppm	-0.0020 ppm	-0.0004 ppm
Recovery Percentage 1	0.998 %	3.517 %	0.653 %	0.296 %	0.859 %	-3.771 %	-0.200 %
Concentration RSD	103.2 %	21.5 %	21.9 %	54.1 %	78.1 %	389.7 %	443.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.0117 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 1	-0.0016 ppm	0.0142 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0023 ppm	0.0002 ppm
Concentration per Run 2	0.0030 ppm	0.0104 ppm	0.0012 ppm	0.0002 ppm	0.0003 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0008 ppm	0.0104 ppm	-0.0008 ppm	0.0002 ppm	0.0005 ppm	-0.0007 ppm	0.0003 ppm
Recovery Percentage 1	7.277 %	2.331 %	0.274 %	1.868 %	4.592 %	-5.630 %	2.506 %
Concentration RSD	320.1 %	18.7 %	752.6 %	27.8 %	22.2 %	89.0 %	32.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	102.1760 %	102.6195 %	102.3447 %	102.6221 %	100.9547 %	103.8455 %
Concentration per Run 1	0.0011 ppm	103.1209 %	102.3781 %	102.3185 %	103.9030 %	101.5007 %	103.6802 %
Concentration per Run 2	0.0007 ppm	101.6206 %	102.7864 %	102.3400 %	102.1190 %	100.8772 %	103.9387 %
Concentration per Run 3	0.0005 ppm	101.7865 %	102.6940 %	102.3757 %	101.8443 %	100.4862 %	103.9175 %
Recovery Percentage 1	15.174 %						
Concentration RSD	36.0 %	0.8 %	0.2 %	0.0 %	1.1 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2509654-05d4 WG2037369
Analysis started at: 3/10/2025 13:47:07
Comments <Comment>
Rack: 1
Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0007 ppm	56.4355 ppm	0.0549 ppm	0.0054 ppm	0.7840 ppm	0.0039 ppm	603.5331 ppm
Concentration per Run 1	0.0007 ppm	56.3567 ppm	0.0572 ppm	0.0058 ppm	0.7823 ppm	0.0039 ppm	602.0728 ppm
Concentration per Run 2	0.0008 ppm	56.4977 ppm	0.0545 ppm	0.0050 ppm	0.7862 ppm	0.0039 ppm	604.6002 ppm
Concentration per Run 3	0.0007 ppm	56.4521 ppm	0.0531 ppm	0.0053 ppm	0.7834 ppm	0.0040 ppm	603.9263 ppm
Concentration RSD	8.3 %	0.1 %	3.8 %	7.2 %	0.3 %	1.5 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0057 ppm	0.0916 ppm	0.0747 ppm	0.1819 ppm	144.9162 ppm	3.7492 ppm	0.1346 ppm
Concentration per Run 1	-0.0056 ppm	0.0917 ppm	0.0748 ppm	0.1822 ppm	143.2359 ppm	3.7504 ppm	0.1338 ppm
Concentration per Run 2	-0.0057 ppm	0.0914 ppm	0.0747 ppm	0.1816 ppm	145.5069 ppm	3.7597 ppm	0.1345 ppm
Concentration per Run 3	-0.0058 ppm	0.0917 ppm	0.0747 ppm	0.1820 ppm	146.0059 ppm	3.7375 ppm	0.1355 ppm
Concentration RSD	2.3 %	0.2 %	0.1 %	0.1 %	1.0 %	0.3 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.3472 ppm	3.1638 ppm	0.0064 ppm	0.2700 ppm	0.1747 ppm	0.0965 ppm	-0.0102 ppm
Concentration per Run 1	38.4278 ppm	3.1576 ppm	0.0065 ppm	0.2651 ppm	0.1749 ppm	0.0978 ppm	-0.0112 ppm
Concentration per Run 2	38.3858 ppm	3.1659 ppm	0.0066 ppm	0.2726 ppm	0.1742 ppm	0.0967 ppm	-0.0095 ppm
Concentration per Run 3	38.2280 ppm	3.1677 ppm	0.0060 ppm	0.2723 ppm	0.1750 ppm	0.0948 ppm	-0.0098 ppm
Concentration RSD	0.3 %	0.2 %	4.3 %	1.6 %	0.2 %	1.6 %	9.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	1.3003 ppm	0.0039 ppm	1.0516 ppm	0.0909 ppm	0.0016 ppm	0.0768 ppm
Concentration per Run 1	0.0016 ppm	1.3041 ppm	0.0034 ppm	1.0502 ppm	0.0907 ppm	0.0010 ppm	0.0769 ppm
Concentration per Run 2	0.0016 ppm	1.2963 ppm	0.0033 ppm	1.0537 ppm	0.0910 ppm	0.0027 ppm	0.0767 ppm
Concentration per Run 3	0.0017 ppm	1.3005 ppm	0.0050 ppm	1.0509 ppm	0.0909 ppm	0.0009 ppm	0.0766 ppm
Concentration RSD	5.4 %	0.3 %	24.8 %	0.2 %	0.2 %	64.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3634 ppm	113.3978 %	109.3719 %	111.9855 %	103.0866 %	97.3565 %	100.0478 %
Concentration per Run 1	0.3638 ppm	113.5778 %	109.3734 %	112.0982 %	103.3243 %	97.2542 %	100.0177 %
Concentration per Run 2	0.3631 ppm	113.2202 %	109.1822 %	111.8696 %	103.0626 %	97.5098 %	99.8526 %
Concentration per Run 3	0.3632 ppm	113.3953 %	109.5602 %	111.9889 %	102.8731 %	97.3053 %	100.2730 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-04d2 WG2037369
Analysis started at: 3/10/2025 13:52:24
Comments <Comment>
Rack: 1
Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	28.6016 ppm	0.0156 ppm	0.0136 ppm	0.1313 ppm	0.0015 ppm	214.2432 ppm
Concentration per Run 1	0.0001 ppm	28.4255 ppm	0.0164 ppm	0.0134 ppm	0.1305 ppm	0.0015 ppm	212.8011 ppm
Concentration per Run 2	0.0003 ppm	28.9370 ppm	0.0154 ppm	0.0137 ppm	0.1330 ppm	0.0015 ppm	215.3002 ppm
Concentration per Run 3	0.0001 ppm	28.4424 ppm	0.0150 ppm	0.0137 ppm	0.1305 ppm	0.0015 ppm	214.6282 ppm
Concentration RSD	64.5 %	1.0 %	4.5 %	1.1 %	1.1 %	0.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	0.0317 ppm	0.0438 ppm	0.0759 ppm	82.2704 ppm	3.0670 ppm	0.0532 ppm
Concentration per Run 1	-0.0020 ppm	0.0318 ppm	0.0438 ppm	0.0763 ppm	81.1366 ppm	3.0405 ppm	0.0530 ppm
Concentration per Run 2	-0.0021 ppm	0.0319 ppm	0.0437 ppm	0.0761 ppm	83.1440 ppm	3.1029 ppm	0.0536 ppm
Concentration per Run 3	-0.0021 ppm	0.0314 ppm	0.0438 ppm	0.0752 ppm	82.5305 ppm	3.0577 ppm	0.0531 ppm
Concentration RSD	3.2 %	0.9 %	0.2 %	0.7 %	1.3 %	1.1 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	44.1914 ppm	2.1020 ppm	0.0024 ppm	0.4467 ppm	0.0653 ppm	0.0251 ppm	-0.0068 ppm
Concentration per Run 1	44.2345 ppm	2.0902 ppm	0.0026 ppm	0.4395 ppm	0.0657 ppm	0.0249 ppm	-0.0084 ppm
Concentration per Run 2	44.1727 ppm	2.1241 ppm	0.0024 ppm	0.4545 ppm	0.0654 ppm	0.0247 ppm	-0.0051 ppm
Concentration per Run 3	44.1671 ppm	2.0916 ppm	0.0022 ppm	0.4461 ppm	0.0649 ppm	0.0256 ppm	-0.0069 ppm
Concentration RSD	0.1 %	0.9 %	9.1 %	1.7 %	0.6 %	2.0 %	23.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0004 ppm	2.2898 ppm	0.0059 ppm	0.5052 ppm	0.5084 ppm	-0.0022 ppm	0.0819 ppm
Concentration per Run 1	-0.0006 ppm	2.2906 ppm	0.0052 ppm	0.5015 ppm	0.5093 ppm	-0.0027 ppm	0.0822 ppm
Concentration per Run 2	-0.0021 ppm	2.2955 ppm	0.0056 ppm	0.5115 ppm	0.5079 ppm	-0.0026 ppm	0.0817 ppm
Concentration per Run 3	0.0016 ppm	2.2834 ppm	0.0069 ppm	0.5027 ppm	0.5081 ppm	-0.0013 ppm	0.0820 ppm
Concentration RSD	497.5 %	0.3 %	15.0 %	1.1 %	0.2 %	34.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1989 ppm	118.7468 %	117.1938 %	118.5991 %	101.6802 %	97.5836 %	100.8678 %
Concentration per Run 1	0.1994 ppm	119.0955 %	117.0212 %	118.6974 %	102.2606 %	97.5575 %	100.6248 %
Concentration per Run 2	0.1995 ppm	118.2563 %	117.1754 %	118.3795 %	100.9354 %	97.3583 %	100.8700 %
Concentration per Run 3	0.1977 ppm	118.8886 %	117.3850 %	118.7205 %	101.8448 %	97.8351 %	101.1085 %
Concentration RSD	0.5 %	0.4 %	0.2 %	0.2 %	0.7 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-09D2 WG2037369
Analysis started at: 3/10/2025 13:57:45
Comments <Comment>
Rack: 1
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0014 ppm	69.0013 ppm	0.0438 ppm	0.0115 ppm	0.5070 ppm	0.0037 ppm	70.5557 ppm
Concentration per Run 1	0.0012 ppm	68.5498 ppm	0.0418 ppm	0.0115 ppm	0.5034 ppm	0.0037 ppm	70.0021 ppm
Concentration per Run 2	0.0015 ppm	69.2058 ppm	0.0443 ppm	0.0116 ppm	0.5086 ppm	0.0036 ppm	70.6883 ppm
Concentration per Run 3	0.0015 ppm	69.2484 ppm	0.0454 ppm	0.0115 ppm	0.5089 ppm	0.0037 ppm	70.9767 ppm
Concentration RSD	10.7 %	0.6 %	4.2 %	0.7 %	0.6 %	0.4 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0028 ppm	0.0696 ppm	0.1138 ppm	0.2506 ppm	151.7155 ppm	4.4301 ppm	0.1275 ppm
Concentration per Run 1	0.0028 ppm	0.0696 ppm	0.1134 ppm	0.2504 ppm	148.6126 ppm	4.3729 ppm	0.1263 ppm
Concentration per Run 2	0.0028 ppm	0.0697 ppm	0.1142 ppm	0.2502 ppm	152.4282 ppm	4.4508 ppm	0.1285 ppm
Concentration per Run 3	0.0028 ppm	0.0693 ppm	0.1138 ppm	0.2513 ppm	154.1057 ppm	4.4666 ppm	0.1279 ppm
Concentration RSD	1.3 %	0.3 %	0.3 %	0.2 %	1.9 %	1.1 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	32.2260 ppm	3.7930 ppm	0.0104 ppm	0.3905 ppm	0.1508 ppm	1.1092 ppm	-0.0097 ppm
Concentration per Run 1	32.1306 ppm	3.7655 ppm	0.0103 ppm	0.3825 ppm	0.1506 ppm	1.1092 ppm	-0.0084 ppm
Concentration per Run 2	32.3225 ppm	3.8047 ppm	0.0104 ppm	0.3912 ppm	0.1509 ppm	1.1092 ppm	-0.0101 ppm
Concentration per Run 3	32.2248 ppm	3.8088 ppm	0.0104 ppm	0.3978 ppm	0.1509 ppm	1.1092 ppm	-0.0105 ppm
Concentration RSD	0.3 %	0.6 %	0.4 %	2.0 %	0.1 %	0.0 %	11.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	2.2553 ppm	0.0366 ppm	0.2328 ppm	0.5617 ppm	-0.0030 ppm	0.1440 ppm
Concentration per Run 1	0.0006 ppm	2.2575 ppm	0.0365 ppm	0.2311 ppm	0.5608 ppm	-0.0007 ppm	0.1439 ppm
Concentration per Run 2	0.0022 ppm	2.2566 ppm	0.0362 ppm	0.2336 ppm	0.5628 ppm	-0.0040 ppm	0.1445 ppm
Concentration per Run 3	0.0028 ppm	2.2520 ppm	0.0369 ppm	0.2336 ppm	0.5616 ppm	-0.0042 ppm	0.1436 ppm
Concentration RSD	59.3 %	0.1 %	1.0 %	0.6 %	0.2 %	65.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0172 ppm	127.7458 %	127.3655 %	125.9220 %	106.4567 %	100.0535 %	105.8921 %
Concentration per Run 1	1.0192 ppm	128.2464 %	127.4998 %	126.0218 %	107.2147 %	100.1302 %	105.9800 %
Concentration per Run 2	1.0162 ppm	127.7165 %	127.1375 %	125.8952 %	106.3990 %	100.0527 %	105.7606 %
Concentration per Run 3	1.0163 ppm	127.2746 %	127.4592 %	125.8489 %	105.7565 %	99.9774 %	105.9356 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.7 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-15D2 WG2037369
Analysis started at: 3/10/2025 14:02:53
Comments <Comment>
Rack: 1
Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	101.5117 ppm	0.0655 ppm	0.0271 ppm	0.5493 ppm	0.0055 ppm	521.8127 ppm
Concentration per Run 1	0.0005 ppm	100.7303 ppm	0.0660 ppm	0.0272 ppm	0.5467 ppm	0.0054 ppm	515.8657 ppm
Concentration per Run 2	0.0004 ppm	101.9372 ppm	0.0650 ppm	0.0277 ppm	0.5514 ppm	0.0054 ppm	524.8664 ppm
Concentration per Run 3	0.0007 ppm	101.8678 ppm	0.0654 ppm	0.0266 ppm	0.5499 ppm	0.0055 ppm	524.7060 ppm
Concentration RSD	29.8 %	0.7 %	0.8 %	2.0 %	0.4 %	0.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0047 ppm	0.1097 ppm	0.1182 ppm	0.2649 ppm	219.1466 ppm	9.5609 ppm	0.1866 ppm
Concentration per Run 1	-0.0046 ppm	0.1090 ppm	0.1180 ppm	0.2642 ppm	215.9960 ppm	9.4902 ppm	0.1857 ppm
Concentration per Run 2	-0.0049 ppm	0.1096 ppm	0.1186 ppm	0.2652 ppm	220.6384 ppm	9.5866 ppm	0.1874 ppm
Concentration per Run 3	-0.0048 ppm	0.1104 ppm	0.1180 ppm	0.2652 ppm	220.8054 ppm	9.6061 ppm	0.1868 ppm
Concentration RSD	3.2 %	0.6 %	0.3 %	0.2 %	1.2 %	0.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	107.1824 ppm	6.5481 ppm	0.0019 ppm	0.9764 ppm	0.2406 ppm	0.1022 ppm	-0.0143 ppm
Concentration per Run 1	107.3351 ppm	6.4962 ppm	0.0022 ppm	0.9744 ppm	0.2400 ppm	0.1024 ppm	-0.0147 ppm
Concentration per Run 2	107.3140 ppm	6.5675 ppm	0.0018 ppm	0.9775 ppm	0.2400 ppm	0.1004 ppm	-0.0159 ppm
Concentration per Run 3	106.8980 ppm	6.5806 ppm	0.0017 ppm	0.9772 ppm	0.2419 ppm	0.1039 ppm	-0.0122 ppm
Concentration RSD	0.2 %	0.7 %	12.6 %	0.2 %	0.4 %	1.7 %	13.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	4.3452 ppm	0.0082 ppm	1.4071 ppm	0.9803 ppm	0.0001 ppm	0.1979 ppm
Concentration per Run 1	-0.0020 ppm	4.3520 ppm	0.0087 ppm	1.3980 ppm	0.9805 ppm	0.0017 ppm	0.1985 ppm
Concentration per Run 2	0.0017 ppm	4.3373 ppm	0.0069 ppm	1.4130 ppm	0.9796 ppm	-0.0025 ppm	0.1977 ppm
Concentration per Run 3	0.0013 ppm	4.3463 ppm	0.0090 ppm	1.4104 ppm	0.9808 ppm	0.0010 ppm	0.1974 ppm
Concentration RSD	577.4 %	0.2 %	13.9 %	0.6 %	0.1 %	4,348.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5517 ppm	139.9461 %	135.5468 %	138.0957 %	103.7808 %	98.7326 %	100.7800 %
Concentration per Run 1	0.5509 ppm	141.0521 %	135.3111 %	137.9565 %	104.8913 %	98.7327 %	100.6556 %
Concentration per Run 2	0.5509 ppm	139.7152 %	135.6090 %	138.0001 %	103.3600 %	98.8353 %	100.8328 %
Concentration per Run 3	0.5533 ppm	139.0709 %	135.7202 %	138.3303 %	103.0910 %	98.6297 %	100.8516 %
Concentration RSD	0.2 %	0.7 %	0.2 %	0.1 %	0.9 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-18D2 WG2037369
Analysis started at: 3/10/2025 14:08:09
Comments <Comment>
Rack: 1
Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	79.5802 ppm	0.0448 ppm	0.0245 ppm	0.5203 ppm	0.0043 ppm	454.5415 ppm
Concentration per Run 1	0.0003 ppm	79.3175 ppm	0.0445 ppm	0.0243 ppm	0.5178 ppm	0.0043 ppm	454.1089 ppm
Concentration per Run 2	0.0001 ppm	79.6547 ppm	0.0469 ppm	0.0248 ppm	0.5212 ppm	0.0043 ppm	454.7670 ppm
Concentration per Run 3	0.0003 ppm	79.7685 ppm	0.0431 ppm	0.0244 ppm	0.5218 ppm	0.0043 ppm	454.7487 ppm
Concentration RSD	41.8 %	0.3 %	4.2 %	1.0 %	0.4 %	0.5 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0043 ppm	0.0847 ppm	0.0969 ppm	0.2209 ppm	178.9106 ppm	8.7465 ppm	0.1645 ppm
Concentration per Run 1	-0.0043 ppm	0.0848 ppm	0.0972 ppm	0.2215 ppm	178.6591 ppm	8.7154 ppm	0.1635 ppm
Concentration per Run 2	-0.0043 ppm	0.0847 ppm	0.0964 ppm	0.2206 ppm	178.4096 ppm	8.7604 ppm	0.1654 ppm
Concentration per Run 3	-0.0044 ppm	0.0846 ppm	0.0970 ppm	0.2206 ppm	179.6631 ppm	8.7638 ppm	0.1645 ppm
Concentration RSD	1.1 %	0.1 %	0.4 %	0.2 %	0.4 %	0.3 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	133.0547 ppm	5.4664 ppm	0.0014 ppm	1.2587 ppm	0.1744 ppm	0.0690 ppm	-0.0117 ppm
Concentration per Run 1	133.6455 ppm	5.4463 ppm	0.0011 ppm	1.2550 ppm	0.1747 ppm	0.0713 ppm	-0.0094 ppm
Concentration per Run 2	132.3330 ppm	5.4752 ppm	0.0018 ppm	1.2609 ppm	0.1741 ppm	0.0680 ppm	-0.0125 ppm
Concentration per Run 3	133.1857 ppm	5.4776 ppm	0.0012 ppm	1.2602 ppm	0.1745 ppm	0.0678 ppm	-0.0132 ppm
Concentration RSD	0.5 %	0.3 %	27.1 %	0.3 %	0.2 %	2.8 %	17.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	3.3407 ppm	0.0096 ppm	1.3063 ppm	1.0062 ppm	-0.0012 ppm	0.1621 ppm
Concentration per Run 1	0.0028 ppm	3.3507 ppm	0.0097 ppm	1.3017 ppm	1.0082 ppm	-0.0019 ppm	0.1622 ppm
Concentration per Run 2	0.0008 ppm	3.3295 ppm	0.0088 ppm	1.3084 ppm	1.0041 ppm	-0.0004 ppm	0.1621 ppm
Concentration per Run 3	0.0019 ppm	3.3419 ppm	0.0103 ppm	1.3089 ppm	1.0063 ppm	-0.0012 ppm	0.1621 ppm
Concentration RSD	53.7 %	0.3 %	7.7 %	0.3 %	0.2 %	66.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4215 ppm	136.1184 %	131.4926 %	133.3898 %	103.0731 %	97.8759 %	99.8939 %
Concentration per Run 1	0.4213 ppm	136.1254 %	131.5225 %	133.5674 %	103.2350 %	98.0010 %	99.8433 %
Concentration per Run 2	0.4216 ppm	136.4672 %	131.6630 %	133.4011 %	103.1583 %	97.9585 %	100.0321 %
Concentration per Run 3	0.4216 ppm	135.7626 %	131.2924 %	133.2009 %	102.8260 %	97.6684 %	99.8064 %
Concentration RSD	0.0 %	0.3 %	0.1 %	0.1 %	0.2 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-19D2 WG2037369
Analysis started at: 3/10/2025 14:13:36
Comments <Comment>
Rack: 1
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	70.3803 ppm	0.0362 ppm	0.0078 ppm	0.2936 ppm	0.0038 ppm	14.1263 ppm
Concentration per Run 1	0.0004 ppm	69.9542 ppm	0.0371 ppm	0.0077 ppm	0.2918 ppm	0.0037 ppm	14.0374 ppm
Concentration per Run 2	0.0002 ppm	70.6325 ppm	0.0352 ppm	0.0082 ppm	0.2946 ppm	0.0038 ppm	14.1569 ppm
Concentration per Run 3	0.0003 ppm	70.5542 ppm	0.0364 ppm	0.0077 ppm	0.2945 ppm	0.0038 ppm	14.1846 ppm
Concentration RSD	34.4 %	0.5 %	2.7 %	3.5 %	0.5 %	0.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0630 ppm	0.0858 ppm	0.1524 ppm	148.6101 ppm	4.3869 ppm	0.0928 ppm
Concentration per Run 1	-0.0008 ppm	0.0631 ppm	0.0858 ppm	0.1523 ppm	147.0274 ppm	4.3458 ppm	0.0911 ppm
Concentration per Run 2	-0.0007 ppm	0.0628 ppm	0.0859 ppm	0.1522 ppm	148.7898 ppm	4.4112 ppm	0.0931 ppm
Concentration per Run 3	-0.0009 ppm	0.0630 ppm	0.0856 ppm	0.1528 ppm	150.0130 ppm	4.4036 ppm	0.0942 ppm
Concentration RSD	9.3 %	0.3 %	0.2 %	0.2 %	1.0 %	0.8 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	22.5482 ppm	4.5446 ppm	0.0012 ppm	0.3320 ppm	0.1227 ppm	0.0566 ppm	-0.0096 ppm
Concentration per Run 1	22.5040 ppm	4.5182 ppm	0.0014 ppm	0.3270 ppm	0.1225 ppm	0.0556 ppm	-0.0105 ppm
Concentration per Run 2	22.5986 ppm	4.5597 ppm	0.0014 ppm	0.3324 ppm	0.1231 ppm	0.0571 ppm	-0.0091 ppm
Concentration per Run 3	22.5420 ppm	4.5558 ppm	0.0007 ppm	0.3365 ppm	0.1225 ppm	0.0572 ppm	-0.0090 ppm
Concentration RSD	0.2 %	0.5 %	35.8 %	1.4 %	0.3 %	1.5 %	9.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	2.7200 ppm	0.0079 ppm	0.0667 ppm	0.7523 ppm	-0.0036 ppm	0.1434 ppm
Concentration per Run 1	-0.0011 ppm	2.7157 ppm	0.0089 ppm	0.0662 ppm	0.7524 ppm	-0.0035 ppm	0.1436 ppm
Concentration per Run 2	0.0024 ppm	2.7143 ppm	0.0080 ppm	0.0669 ppm	0.7526 ppm	-0.0031 ppm	0.1437 ppm
Concentration per Run 3	0.0001 ppm	2.7299 ppm	0.0067 ppm	0.0669 ppm	0.7519 ppm	-0.0042 ppm	0.1429 ppm
Concentration RSD	384.1 %	0.3 %	13.6 %	0.6 %	0.0 %	15.9 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3187 ppm	133.8613 %	134.1708 %	133.0721 %	108.0076 %	103.2408 %	108.2942 %
Concentration per Run 1	0.3177 ppm	134.3823 %	134.3520 %	133.1107 %	108.6287 %	103.4565 %	108.3905 %
Concentration per Run 2	0.3188 ppm	133.6138 %	134.0692 %	133.2327 %	107.6603 %	103.4045 %	108.2762 %
Concentration per Run 3	0.3196 ppm	133.5879 %	134.0912 %	132.8729 %	107.7337 %	102.8614 %	108.2160 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.1 %	0.5 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-20D2 WG2037369
Analysis started at: 3/10/2025 14:18:47
Comments <Comment>
Rack: 1
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	31.1000 ppm	0.0222 ppm	0.0107 ppm	0.1221 ppm	0.0017 ppm	221.2564 ppm
Concentration per Run 1	0.0001 ppm	31.3993 ppm	0.0222 ppm	0.0107 ppm	0.1232 ppm	0.0017 ppm	223.0838 ppm
Concentration per Run 2	0.0000 ppm	30.9273 ppm	0.0221 ppm	0.0106 ppm	0.1215 ppm	0.0017 ppm	219.8393 ppm
Concentration per Run 3	0.0000 ppm	30.9732 ppm	0.0221 ppm	0.0109 ppm	0.1215 ppm	0.0016 ppm	220.8462 ppm
Concentration RSD	419.9 %	0.8 %	0.3 %	1.4 %	0.8 %	1.1 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0020 ppm	0.0356 ppm	0.0410 ppm	0.0928 ppm	90.5817 ppm	2.7697 ppm	0.0609 ppm
Concentration per Run 1	-0.0019 ppm	0.0361 ppm	0.0408 ppm	0.0930 ppm	90.7790 ppm	2.7783 ppm	0.0608 ppm
Concentration per Run 2	-0.0021 ppm	0.0352 ppm	0.0413 ppm	0.0928 ppm	90.1880 ppm	2.7727 ppm	0.0614 ppm
Concentration per Run 3	-0.0022 ppm	0.0356 ppm	0.0409 ppm	0.0925 ppm	90.7780 ppm	2.7581 ppm	0.0606 ppm
Concentration RSD	8.7 %	1.3 %	0.6 %	0.3 %	0.4 %	0.4 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	48.1299 ppm	2.5803 ppm	0.0009 ppm	0.4193 ppm	0.0754 ppm	0.0277 ppm	-0.0063 ppm
Concentration per Run 1	48.0995 ppm	2.6078 ppm	0.0009 ppm	0.4230 ppm	0.0756 ppm	0.0266 ppm	-0.0059 ppm
Concentration per Run 2	48.3109 ppm	2.5645 ppm	0.0011 ppm	0.4185 ppm	0.0753 ppm	0.0266 ppm	-0.0054 ppm
Concentration per Run 3	47.9792 ppm	2.5687 ppm	0.0008 ppm	0.4165 ppm	0.0752 ppm	0.0299 ppm	-0.0076 ppm
Concentration RSD	0.3 %	0.9 %	14.8 %	0.8 %	0.2 %	6.8 %	18.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	1.2539 ppm	0.0055 ppm	0.5976 ppm	0.4276 ppm	-0.0013 ppm	0.0843 ppm
Concentration per Run 1	0.0017 ppm	1.2489 ppm	0.0059 ppm	0.6030 ppm	0.4278 ppm	-0.0022 ppm	0.0842 ppm
Concentration per Run 2	-0.0021 ppm	1.2553 ppm	0.0055 ppm	0.5948 ppm	0.4285 ppm	-0.0020 ppm	0.0846 ppm
Concentration per Run 3	-0.0003 ppm	1.2575 ppm	0.0052 ppm	0.5950 ppm	0.4265 ppm	0.0002 ppm	0.0842 ppm
Concentration RSD	807.4 %	0.4 %	6.9 %	0.8 %	0.2 %	97.6 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2181 ppm	121.5626 %	119.6602 %	120.5307 %	101.8670 %	97.8791 %	100.5846 %
Concentration per Run 1	0.2169 ppm	120.5041 %	119.7988 %	120.7677 %	100.9397 %	98.2056 %	100.6220 %
Concentration per Run 2	0.2178 ppm	122.1786 %	119.2504 %	120.6024 %	102.5368 %	97.9489 %	100.3355 %
Concentration per Run 3	0.2195 ppm	122.0049 %	119.9314 %	120.2221 %	102.1245 %	97.4828 %	100.7964 %
Concentration RSD	0.6 %	0.8 %	0.3 %	0.2 %	0.8 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-21D2 WG2037369
Analysis started at: 3/10/2025 14:24:10
Comments <Comment>
Rack: 1
Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	135.8621 ppm	0.0544 ppm	0.0073 ppm	0.2650 ppm	0.0049 ppm	5.4648 ppm
Concentration per Run 1	-0.0005 ppm	135.7666 ppm	0.0574 ppm	0.0075 ppm	0.2647 ppm	0.0050 ppm	5.4594 ppm
Concentration per Run 2	-0.0001 ppm	135.5337 ppm	0.0549 ppm	0.0074 ppm	0.2653 ppm	0.0049 ppm	5.4532 ppm
Concentration per Run 3	0.0004 ppm	136.2860 ppm	0.0509 ppm	0.0071 ppm	0.2651 ppm	0.0049 ppm	5.4819 ppm
Concentration RSD	688.8 %	0.3 %	6.0 %	2.7 %	0.1 %	0.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0014 ppm	0.0820 ppm	0.1321 ppm	0.2015 ppm	218.0099 ppm	4.9930 ppm	0.1527 ppm
Concentration per Run 1	-0.0013 ppm	0.0821 ppm	0.1325 ppm	0.2012 ppm	216.5847 ppm	4.9844 ppm	0.1524 ppm
Concentration per Run 2	-0.0015 ppm	0.0823 ppm	0.1318 ppm	0.2016 ppm	218.1241 ppm	4.9929 ppm	0.1524 ppm
Concentration per Run 3	-0.0013 ppm	0.0818 ppm	0.1321 ppm	0.2017 ppm	219.3209 ppm	5.0018 ppm	0.1533 ppm
Concentration RSD	7.5 %	0.3 %	0.3 %	0.1 %	0.6 %	0.2 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	34.9105 ppm	2.8988 ppm	0.0018 ppm	0.2623 ppm	0.1761 ppm	0.0831 ppm	-0.0139 ppm
Concentration per Run 1	35.0038 ppm	2.8977 ppm	0.0015 ppm	0.2635 ppm	0.1768 ppm	0.0843 ppm	-0.0125 ppm
Concentration per Run 2	34.8569 ppm	2.8933 ppm	0.0017 ppm	0.2628 ppm	0.1766 ppm	0.0824 ppm	-0.0143 ppm
Concentration per Run 3	34.8708 ppm	2.9056 ppm	0.0023 ppm	0.2605 ppm	0.1750 ppm	0.0828 ppm	-0.0149 ppm
Concentration RSD	0.2 %	0.2 %	21.8 %	0.6 %	0.6 %	1.2 %	8.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	3.1707 ppm	0.0097 ppm	0.0357 ppm	0.9373 ppm	-0.0013 ppm	0.2157 ppm
Concentration per Run 1	0.0019 ppm	3.1862 ppm	0.0096 ppm	0.0356 ppm	0.9404 ppm	0.0002 ppm	0.2158 ppm
Concentration per Run 2	-0.0001 ppm	3.1742 ppm	0.0101 ppm	0.0357 ppm	0.9360 ppm	-0.0022 ppm	0.2152 ppm
Concentration per Run 3	0.0002 ppm	3.1516 ppm	0.0094 ppm	0.0358 ppm	0.9354 ppm	-0.0020 ppm	0.2160 ppm
Concentration RSD	160.5 %	0.6 %	4.0 %	0.2 %	0.3 %	100.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4093 ppm	128.4877 %	129.0227 %	127.0900 %	109.2331 %	103.4797 %	109.8199 %
Concentration per Run 1	0.4107 ppm	128.3842 %	128.7975 %	127.1480 %	109.2424 %	103.1651 %	109.5643 %
Concentration per Run 2	0.4087 ppm	128.7925 %	129.1372 %	126.6843 %	109.5470 %	103.2384 %	109.9500 %
Concentration per Run 3	0.4085 ppm	128.2863 %	129.1335 %	127.4377 %	108.9100 %	104.0356 %	109.9456 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.3 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-22D2 WG2037369
Analysis started at: 3/10/2025 14:29:24
Comments <Comment>
Rack: 1
Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	98.8235 ppm	0.0557 ppm	0.0259 ppm	0.6851 ppm	0.0050 ppm	483.5676 ppm
Concentration per Run 1	0.0001 ppm	98.5963 ppm	0.0558 ppm	0.0256 ppm	0.6838 ppm	0.0050 ppm	483.4651 ppm
Concentration per Run 2	0.0003 ppm	99.2487 ppm	0.0566 ppm	0.0259 ppm	0.6868 ppm	0.0050 ppm	486.6682 ppm
Concentration per Run 3	0.0003 ppm	98.6255 ppm	0.0548 ppm	0.0264 ppm	0.6847 ppm	0.0050 ppm	480.5696 ppm
Concentration RSD	45.8 %	0.4 %	1.6 %	1.6 %	0.2 %	0.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0046 ppm	0.0968 ppm	0.1224 ppm	0.2237 ppm	195.4717 ppm	10.0771 ppm	0.1848 ppm
Concentration per Run 1	-0.0045 ppm	0.0975 ppm	0.1227 ppm	0.2249 ppm	193.9833 ppm	10.0542 ppm	0.1844 ppm
Concentration per Run 2	-0.0046 ppm	0.0969 ppm	0.1223 ppm	0.2229 ppm	197.7395 ppm	10.1197 ppm	0.1850 ppm
Concentration per Run 3	-0.0045 ppm	0.0958 ppm	0.1222 ppm	0.2233 ppm	194.6924 ppm	10.0575 ppm	0.1850 ppm
Concentration RSD	1.7 %	0.9 %	0.2 %	0.5 %	1.0 %	0.4 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	108.8650 ppm	5.0861 ppm	0.0010 ppm	1.3446 ppm	0.2098 ppm	0.0851 ppm	-0.0123 ppm
Concentration per Run 1	109.2107 ppm	5.0832 ppm	0.0009 ppm	1.3406 ppm	0.2107 ppm	0.0852 ppm	-0.0117 ppm
Concentration per Run 2	108.5642 ppm	5.1144 ppm	0.0007 ppm	1.3515 ppm	0.2100 ppm	0.0853 ppm	-0.0123 ppm
Concentration per Run 3	108.8203 ppm	5.0608 ppm	0.0013 ppm	1.3417 ppm	0.2086 ppm	0.0849 ppm	-0.0128 ppm
Concentration RSD	0.3 %	0.5 %	31.3 %	0.4 %	0.5 %	0.3 %	4.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0012 ppm	2.3258 ppm	0.0093 ppm	1.1546 ppm	1.2276 ppm	0.0006 ppm	0.1856 ppm
Concentration per Run 1	-0.0032 ppm	2.3337 ppm	0.0107 ppm	1.1519 ppm	1.2337 ppm	0.0034 ppm	0.1865 ppm
Concentration per Run 2	0.0020 ppm	2.3227 ppm	0.0084 ppm	1.1576 ppm	1.2240 ppm	-0.0015 ppm	0.1850 ppm
Concentration per Run 3	-0.0024 ppm	2.3211 ppm	0.0089 ppm	1.1543 ppm	1.2253 ppm	0.0000 ppm	0.1854 ppm
Concentration RSD	229.1 %	0.3 %	12.9 %	0.2 %	0.4 %	410.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4791 ppm	135.4676 %	130.9389 %	133.6659 %	103.5634 %	99.2018 %	100.2816 %
Concentration per Run 1	0.4806 ppm	135.6036 %	130.7326 %	133.7822 %	103.7140 %	98.8786 %	99.9710 %
Concentration per Run 2	0.4795 ppm	134.7776 %	131.1504 %	133.3549 %	102.7343 %	99.1871 %	100.5272 %
Concentration per Run 3	0.4771 ppm	136.0218 %	130.9337 %	133.8606 %	104.2419 %	99.5398 %	100.3467 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.2 %	0.7 %	0.3 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511495-03D2 WG2037369
Analysis started at: 3/10/2025 14:34:39
Comments <Comment>
Rack: 1
Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	31.5078 ppm	0.0167 ppm	0.0219 ppm	0.1360 ppm	0.0017 ppm	163.9917 ppm
Concentration per Run 1	0.0001 ppm	31.4823 ppm	0.0156 ppm	0.0216 ppm	0.1358 ppm	0.0018 ppm	164.2223 ppm
Concentration per Run 2	0.0003 ppm	31.4446 ppm	0.0179 ppm	0.0222 ppm	0.1360 ppm	0.0017 ppm	163.6640 ppm
Concentration per Run 3	0.0000 ppm	31.5966 ppm	0.0165 ppm	0.0218 ppm	0.1363 ppm	0.0017 ppm	164.0887 ppm
Concentration RSD	125.1 %	0.3 %	7.0 %	1.5 %	0.2 %	1.7 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0016 ppm	0.0319 ppm	0.0511 ppm	0.0828 ppm	86.0009 ppm	3.3322 ppm	0.0574 ppm
Concentration per Run 1	-0.0016 ppm	0.0317 ppm	0.0512 ppm	0.0828 ppm	85.8345 ppm	3.3412 ppm	0.0561 ppm
Concentration per Run 2	-0.0015 ppm	0.0319 ppm	0.0513 ppm	0.0827 ppm	85.5346 ppm	3.3365 ppm	0.0590 ppm
Concentration per Run 3	-0.0016 ppm	0.0321 ppm	0.0510 ppm	0.0828 ppm	86.6336 ppm	3.3187 ppm	0.0573 ppm
Concentration RSD	3.6 %	0.7 %	0.2 %	0.1 %	0.7 %	0.4 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	37.7365 ppm	2.2618 ppm	0.0036 ppm	0.5530 ppm	0.0680 ppm	0.0509 ppm	-0.0050 ppm
Concentration per Run 1	37.7515 ppm	2.2627 ppm	0.0037 ppm	0.5481 ppm	0.0674 ppm	0.0504 ppm	-0.0048 ppm
Concentration per Run 2	37.8093 ppm	2.2541 ppm	0.0036 ppm	0.5561 ppm	0.0688 ppm	0.0509 ppm	-0.0060 ppm
Concentration per Run 3	37.6486 ppm	2.2687 ppm	0.0034 ppm	0.5547 ppm	0.0679 ppm	0.0514 ppm	-0.0040 ppm
Concentration RSD	0.2 %	0.3 %	4.0 %	0.8 %	1.0 %	1.0 %	20.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	5.3290 ppm	0.0062 ppm	0.4012 ppm	0.6136 ppm	-0.0032 ppm	0.0940 ppm
Concentration per Run 1	-0.0001 ppm	5.3271 ppm	0.0071 ppm	0.4001 ppm	0.6143 ppm	-0.0031 ppm	0.0940 ppm
Concentration per Run 2	0.0009 ppm	5.3337 ppm	0.0053 ppm	0.4014 ppm	0.6143 ppm	-0.0029 ppm	0.0943 ppm
Concentration per Run 3	0.0017 ppm	5.3263 ppm	0.0061 ppm	0.4021 ppm	0.6124 ppm	-0.0038 ppm	0.0935 ppm
Concentration RSD	107.5 %	0.1 %	14.4 %	0.2 %	0.2 %	14.1 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2238 ppm	118.8803 %	118.1864 %	118.1387 %	101.2048 %	98.4088 %	100.5946 %
Concentration per Run 1	0.2235 ppm	118.4395 %	118.1393 %	118.1585 %	100.9357 %	98.3419 %	100.5090 %
Concentration per Run 2	0.2236 ppm	119.7228 %	118.0751 %	118.0021 %	101.8363 %	98.4523 %	100.5257 %
Concentration per Run 3	0.2243 ppm	118.4785 %	118.3448 %	118.2556 %	100.8424 %	98.4323 %	100.7490 %
Concentration RSD	0.2 %	0.6 %	0.1 %	0.1 %	0.5 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 14:39:59
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4749 ppm	0.5275 ppm	0.4954 ppm	0.4891 ppm	0.5010 ppm	0.5077 ppm	0.5150 ppm
Concentration per Run 1	0.4739 ppm	0.5204 ppm	0.4960 ppm	0.4906 ppm	0.4937 ppm	0.5006 ppm	0.5147 ppm
Concentration per Run 2	0.4746 ppm	0.5287 ppm	0.4948 ppm	0.4884 ppm	0.5034 ppm	0.5097 ppm	0.5126 ppm
Concentration per Run 3	0.4761 ppm	0.5333 ppm	0.4955 ppm	0.4883 ppm	0.5058 ppm	0.5127 ppm	0.5176 ppm
Recovery Percentage 1	94.972 %	105.495 %	99.084 %	97.819 %	100.196 %	101.532 %	102.995 %
Concentration RSD	0.2 %	1.2 %	0.1 %	0.3 %	1.3 %	1.2 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5011 ppm	0.4962 ppm	0.4976 ppm	0.4839 ppm	0.5240 ppm	5.2815 ppm	0.5090 ppm
Concentration per Run 1	0.5025 ppm	0.4981 ppm	0.4991 ppm	0.4819 ppm	0.5208 ppm	5.2161 ppm	0.5013 ppm
Concentration per Run 2	0.5005 ppm	0.4947 ppm	0.4963 ppm	0.4846 ppm	0.5251 ppm	5.3090 ppm	0.5116 ppm
Concentration per Run 3	0.5002 ppm	0.4959 ppm	0.4974 ppm	0.4853 ppm	0.5261 ppm	5.3194 ppm	0.5142 ppm
Recovery Percentage 1	100.214 %	99.245 %	99.519 %	96.787 %	104.799 %	105.630 %	101.808 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.4 %	0.5 %	1.1 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5090 ppm	0.5029 ppm	0.4856 ppm	10.2856 ppm	0.4918 ppm	0.4866 ppm	0.5074 ppm
Concentration per Run 1	0.5094 ppm	0.4970 ppm	0.4864 ppm	10.1417 ppm	0.4938 ppm	0.4889 ppm	0.5104 ppm
Concentration per Run 2	0.5077 ppm	0.5046 ppm	0.4846 ppm	10.3387 ppm	0.4909 ppm	0.4851 ppm	0.5039 ppm
Concentration per Run 3	0.5100 ppm	0.5072 ppm	0.4859 ppm	10.3764 ppm	0.4908 ppm	0.4858 ppm	0.5079 ppm
Recovery Percentage 1	101.802 %	100.585 %	97.125 %	102.856 %	98.367 %	97.323 %	101.476 %
Concentration RSD	0.2 %	1.1 %	0.2 %	1.2 %	0.4 %	0.4 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4902 ppm	5.7454 ppm	0.5113 ppm	0.5089 ppm	0.4990 ppm	0.4774 ppm	0.4878 ppm
Concentration per Run 1	0.4916 ppm	5.7667 ppm	0.5125 ppm	0.5012 ppm	0.4990 ppm	0.4772 ppm	0.4881 ppm
Concentration per Run 2	0.4892 ppm	5.7292 ppm	0.5112 ppm	0.5114 ppm	0.4987 ppm	0.4766 ppm	0.4872 ppm
Concentration per Run 3	0.4900 ppm	5.7403 ppm	0.5102 ppm	0.5140 ppm	0.4992 ppm	0.4784 ppm	0.4882 ppm
Recovery Percentage 1	98.050 %	109.436 %	102.260 %	101.775 %	99.794 %	95.474 %	97.562 %
Concentration RSD	0.2 %	0.3 %	0.2 %	1.3 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5035 ppm	101.5029 %	103.2825 %	102.3081 %	101.6547 %	100.8447 %	103.7558 %
Concentration per Run 1	0.5045 ppm	102.3480 %	103.1933 %	102.5406 %	102.5692 %	100.5330 %	103.6302 %
Concentration per Run 2	0.5037 ppm	101.1977 %	103.2452 %	102.0708 %	101.3437 %	101.0034 %	103.7534 %
Concentration per Run 3	0.5022 ppm	100.9631 %	103.4091 %	102.3130 %	101.0511 %	100.9977 %	103.8839 %
Recovery Percentage 1	100.694 %						
Concentration RSD	0.2 %	0.7 %	0.1 %	0.2 %	0.8 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 14:44:52
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0040 ppm	-0.0009 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0111 ppm
Concentration per Run 1	0.0002 ppm	0.0016 ppm	-0.0006 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0115 ppm
Concentration per Run 2	0.0005 ppm	0.0017 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0114 ppm
Concentration per Run 3	0.0002 ppm	0.0087 ppm	-0.0021 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	0.0104 ppm
Recovery Percentage 1	5.910 %	3.979 %	-17.500 %	1.856 %	2.005 %	2.334 %	11.118 %
Concentration RSD	59.4 %	102.2 %	131.4 %	65.7 %	18.1 %	20.2 %	5.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0076 ppm	0.0112 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0079 ppm	0.0045 ppm	0.0005 ppm
Concentration per Run 2	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0080 ppm	0.0089 ppm	0.0002 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0069 ppm	0.0203 ppm	-0.0001 ppm
Recovery Percentage 1	7.177 %	1.048 %	1.286 %	3.756 %	15.231 %	0.449 %	1.950 %
Concentration RSD	19.2 %	54.4 %	26.3 %	39.0 %	7.6 %	72.4 %	157.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0050 ppm	0.0005 ppm	0.0003 ppm	0.0159 ppm	0.0001 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 1	0.0042 ppm	0.0007 ppm	0.0004 ppm	0.0194 ppm	0.0002 ppm	-0.0022 ppm	-0.0003 ppm
Concentration per Run 2	0.0052 ppm	0.0004 ppm	0.0003 ppm	0.0139 ppm	0.0003 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run 3	0.0057 ppm	0.0004 ppm	0.0002 ppm	0.0143 ppm	-0.0001 ppm	-0.0007 ppm	0.0004 ppm
Recovery Percentage 1	5.050 %	4.895 %	0.541 %	0.793 %	0.380 %	-11.050 %	0.526 %
Concentration RSD	14.8 %	32.7 %	31.7 %	19.2 %	214.0 %	85.6 %	206.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	0.0067 ppm	0.0010 ppm	0.0002 ppm	0.0005 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 1	0.0005 ppm	0.0075 ppm	0.0005 ppm	0.0002 ppm	0.0004 ppm	-0.0012 ppm	0.0003 ppm
Concentration per Run 2	0.0018 ppm	0.0067 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm	-0.0014 ppm	0.0006 ppm
Concentration per Run 3	0.0008 ppm	0.0060 ppm	0.0013 ppm	0.0001 ppm	0.0007 ppm	-0.0009 ppm	0.0002 ppm
Recovery Percentage 1	10.344 %	1.341 %	1.995 %	1.699 %	4.945 %	-5.747 %	3.581 %
Concentration RSD	64.9 %	11.2 %	43.3 %	26.7 %	30.4 %	22.2 %	69.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.5009 %	103.5140 %	102.2204 %	100.6570 %	101.4706 %	102.8418 %
Concentration per Run 1	0.0001 ppm	102.1209 %	103.8293 %	102.3318 %	101.3612 %	101.2591 %	103.1302 %
Concentration per Run 2	-0.0002 ppm	101.3662 %	103.2582 %	102.0832 %	100.4734 %	101.4726 %	102.6045 %
Concentration per Run 3	-0.0002 ppm	101.0157 %	103.4544 %	102.2461 %	100.1365 %	101.6801 %	102.7907 %
Recovery Percentage 1	-2.087 %						
Concentration RSD	174.9 %	0.6 %	0.3 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 1000 Ca
Analysis started at: 3/10/2025 15:20:20
Comments <Comment>
Rack: 1
Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0224 ppm	-0.0028 ppm	0.0006 ppm	-0.0002 ppm	-0.0001 ppm	930.9582 ppm
Concentration per Run 1	0.0000 ppm	0.0257 ppm	-0.0006 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	920.8071 ppm
Concentration per Run 2	-0.0003 ppm	0.0147 ppm	-0.0054 ppm	0.0008 ppm	-0.0003 ppm	-0.0001 ppm	937.2736 ppm
Concentration per Run 3	-0.0002 ppm	0.0268 ppm	-0.0025 ppm	0.0007 ppm	-0.0001 ppm	-0.0001 ppm	934.7938 ppm
Concentration RSD	74.4 %	29.9 %	84.9 %	40.1 %	44.1 %	66.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0082 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0109 ppm	0.0279 ppm	-0.0166 ppm
Concentration per Run 1	-0.0081 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0105 ppm	0.0068 ppm	-0.0163 ppm
Concentration per Run 2	-0.0083 ppm	-0.0002 ppm	0.0007 ppm	0.0001 ppm	0.0114 ppm	0.0306 ppm	-0.0165 ppm
Concentration per Run 3	-0.0082 ppm	-0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0106 ppm	0.0464 ppm	-0.0172 ppm
Concentration RSD	0.8 %	104.9 %	39.0 %	39.7 %	4.3 %	71.4 %	2.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0018 ppm	0.0003 ppm	0.0004 ppm	0.0338 ppm	0.0002 ppm	-0.0024 ppm	-0.0017 ppm
Concentration per Run 1	0.0031 ppm	0.0004 ppm	0.0003 ppm	0.0359 ppm	0.0002 ppm	-0.0039 ppm	-0.0019 ppm
Concentration per Run 2	0.0013 ppm	0.0001 ppm	0.0004 ppm	0.0313 ppm	0.0005 ppm	-0.0014 ppm	-0.0011 ppm
Concentration per Run 3	0.0011 ppm	0.0004 ppm	0.0007 ppm	0.0341 ppm	-0.0002 ppm	-0.0019 ppm	-0.0021 ppm
Concentration RSD	60.2 %	55.3 %	48.9 %	6.8 %	205.1 %	57.0 %	30.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	0.0069 ppm	0.0012 ppm	0.0005 ppm	-0.0004 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	-0.0022 ppm	0.0066 ppm	0.0010 ppm	0.0004 ppm	-0.0003 ppm	-0.0032 ppm	0.0000 ppm
Concentration per Run 2	-0.0006 ppm	0.0068 ppm	0.0027 ppm	0.0005 ppm	-0.0003 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0018 ppm	0.0073 ppm	0.0000 ppm	0.0005 ppm	-0.0005 ppm	0.0013 ppm	0.0002 ppm
Concentration RSD	610.2 %	5.4 %	110.0 %	8.2 %	35.3 %	259.7 %	113.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0015 ppm	95.1298 %	90.9912 %	99.6741 %	96.7652 %	98.9661 %	93.2481 %
Concentration per Run 1	-0.0014 ppm	95.6635 %	90.9936 %	99.7304 %	97.3386 %	99.1108 %	93.1966 %
Concentration per Run 2	-0.0017 ppm	95.0463 %	91.0332 %	99.8542 %	96.5875 %	99.1198 %	93.3134 %
Concentration per Run 3	-0.0014 ppm	94.6796 %	90.9469 %	99.4376 %	96.3693 %	98.6677 %	93.2342 %
Concentration RSD	10.5 %	0.5 %	0.0 %	0.2 %	0.5 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: xLDR 500 Fe Fail
Analysis started at: 3/10/2025 15:39:56
Comments <Comment>
Rack: 1
Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0010 ppm	-0.0046 ppm	-0.0021 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	0.0009 ppm	-0.0013 ppm	-0.0046 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 2	0.0011 ppm	-0.0024 ppm	-0.0007 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	-0.0102 ppm	-0.0010 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	-0.0038 ppm
Concentration RSD	8.8 %	104.9 %	103.4 %	338.6 %	17.1 %	98.6 %	500.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	-0.0002 ppm	-0.0047 ppm	-0.0051 ppm	419.6184 [SIC 500]	-0.1082 ppm	0.0004 ppm
Concentration per Run 1	-0.0003 ppm	0.0000 ppm	-0.0046 ppm	-0.0053 ppm	414.9102 ppm	-0.1149 ppm	0.0013 ppm
Concentration per Run 2	-0.0005 ppm	-0.0004 ppm	-0.0047 ppm	-0.0049 ppm	424.3375 ppm	-0.1155 ppm	-0.0002 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	-0.0048 ppm	-0.0051 ppm	419.6076 ppm	-0.0941 ppm	0.0002 ppm
Concentration RSD	30.7 %	96.1 %	1.8 %	4.8 %	1.1 %	11.3 %	167.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0206 ppm	0.0007 ppm	-0.0048 ppm	0.0242 ppm	-0.0024 ppm	0.0005 ppm	-0.0242 ppm
Concentration per Run 1	0.0198 ppm	0.0006 ppm	-0.0050 ppm	0.0247 ppm	-0.0026 ppm	0.0016 ppm	-0.0237 ppm
Concentration per Run 2	0.0215 ppm	0.0007 ppm	-0.0049 ppm	0.0210 ppm	-0.0014 ppm	-0.0006 ppm	-0.0239 ppm
Concentration per Run 3	0.0204 ppm	0.0007 ppm	-0.0045 ppm	0.0268 ppm	-0.0032 ppm	0.0005 ppm	-0.0250 ppm
Concentration RSD	4.0 %	5.3 %	5.4 %	12.1 %	38.1 %	225.2 %	2.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0045 ppm	0.0045 ppm	0.0002 ppm	-0.0002 ppm	-0.0004 ppm	0.0043 ppm
Concentration per Run 1	0.0011 ppm	0.0045 ppm	0.0045 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 2	0.0006 ppm	0.0054 ppm	0.0042 ppm	0.0002 ppm	-0.0003 ppm	-0.0019 ppm	0.0045 ppm
Concentration per Run 3	0.0036 ppm	0.0035 ppm	0.0050 ppm	0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0043 ppm
Concentration RSD	91.3 %	21.4 %	8.5 %	4.8 %	91.9 %	299.1 %	5.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0071 ppm	99.3989 %	98.3798 %	99.9686 %	103.1748 %	97.4941 %	102.8601 %
Concentration per Run 1	-0.0072 ppm	99.8659 %	98.2725 %	99.9729 %	104.1583 %	97.1409 %	102.7636 %
Concentration per Run 2	-0.0070 ppm	99.0587 %	98.3693 %	99.7979 %	102.6652 %	97.7043 %	102.8622 %
Concentration per Run 3	-0.0070 ppm	99.2721 %	98.4977 %	100.1351 %	102.7010 %	97.6372 %	102.9545 %
Concentration RSD	1.3 %	0.4 %	0.1 %	0.2 %	0.8 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 300 Fe
Analysis started at: 3/10/2025 15:45:51
Comments <Comment>
Rack: 1
Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	-0.0010 ppm	-0.0014 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 1	0.0007 ppm	0.0010 ppm	-0.0020 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0025 ppm
Concentration per Run 2	0.0008 ppm	-0.0035 ppm	-0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 3	0.0009 ppm	-0.0005 ppm	-0.0019 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0063 ppm
Concentration RSD	10.7 %	227.8 %	72.2 %	71.8 %	40.2 %	176.0 %	89.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0000 ppm	-0.0029 ppm	-0.0016 ppm	270.5570 ppm	-0.0519 ppm	0.0006 ppm
Concentration per Run 1	-0.0006 ppm	0.0005 ppm	-0.0028 ppm	-0.0019 ppm	268.5794 ppm	-0.0426 ppm	0.0010 ppm
Concentration per Run 2	-0.0007 ppm	-0.0003 ppm	-0.0030 ppm	-0.0014 ppm	270.8869 ppm	-0.0547 ppm	0.0003 ppm
Concentration per Run 3	-0.0009 ppm	0.0000 ppm	-0.0030 ppm	-0.0016 ppm	272.2046 ppm	-0.0583 ppm	0.0006 ppm
Concentration RSD	14.2 %	1,077.6 %	4.3 %	17.6 %	0.7 %	15.8 %	52.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0103 ppm	0.0003 ppm	-0.0029 ppm	0.0123 ppm	-0.0053 ppm	-0.0009 ppm	-0.0155 ppm
Concentration per Run 1	0.0130 ppm	0.0004 ppm	-0.0025 ppm	0.0157 ppm	-0.0053 ppm	-0.0020 ppm	-0.0133 ppm
Concentration per Run 2	0.0081 ppm	0.0002 ppm	-0.0033 ppm	0.0091 ppm	-0.0053 ppm	-0.0004 ppm	-0.0168 ppm
Concentration per Run 3	0.0098 ppm	0.0002 ppm	-0.0029 ppm	0.0120 ppm	-0.0054 ppm	-0.0005 ppm	-0.0163 ppm
Concentration RSD	24.0 %	30.6 %	14.0 %	27.2 %	1.1 %	92.3 %	12.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	0.0029 ppm	0.0027 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0027 ppm
Concentration per Run 1	0.0040 ppm	0.0024 ppm	0.0031 ppm	0.0002 ppm	0.0000 ppm	0.0013 ppm	0.0028 ppm
Concentration per Run 2	0.0034 ppm	0.0030 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0026 ppm
Concentration per Run 3	-0.0014 ppm	0.0033 ppm	0.0024 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0027 ppm
Concentration RSD	146.5 %	15.6 %	12.8 %	11.7 %	30.6 %	682.2 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0050 ppm	100.1923 %	100.0679 %	101.2696 %	102.7306 %	98.4973 %	103.8692 %
Concentration per Run 1	-0.0050 ppm	100.3414 %	99.9850 %	101.3503 %	102.7856 %	98.8101 %	103.7702 %
Concentration per Run 2	-0.0050 ppm	100.2410 %	100.0562 %	101.1308 %	102.9392 %	98.5424 %	103.8300 %
Concentration per Run 3	-0.0052 ppm	99.9945 %	100.1626 %	101.3276 %	102.4670 %	98.1394 %	104.0074 %
Concentration RSD	2.1 %	0.2 %	0.1 %	0.1 %	0.2 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037857-3D2 WG2037857
Analysis started at: 3/10/2025 16:44:41
Comments <Comment>
Rack: 1
Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3087 ppm	14.8196 ppm	1.2349 ppm	0.8806 ppm	1.1531 ppm	0.6586 ppm	19.4103 ppm
Concentration per Run 1	0.3089 ppm	14.6035 ppm	1.2302 ppm	0.8791 ppm	1.1372 ppm	0.6489 ppm	19.1075 ppm
Concentration per Run 2	0.3091 ppm	14.9177 ppm	1.2349 ppm	0.8810 ppm	1.1594 ppm	0.6629 ppm	19.5386 ppm
Concentration per Run 3	0.3082 ppm	14.9374 ppm	1.2395 ppm	0.8819 ppm	1.1628 ppm	0.6641 ppm	19.5848 ppm
Concentration RSD	0.1 %	1.3 %	0.4 %	0.2 %	1.2 %	1.3 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.8674 ppm	0.3238 ppm	0.7152 ppm	0.8072 ppm	19.5611 ppm	3.8770 ppm	0.5219 ppm
Concentration per Run 1	0.8671 ppm	0.3243 ppm	0.7144 ppm	0.8098 ppm	19.2748 ppm	3.8460 ppm	0.5146 ppm
Concentration per Run 2	0.8684 ppm	0.3235 ppm	0.7158 ppm	0.8083 ppm	19.6858 ppm	3.8870 ppm	0.5240 ppm
Concentration per Run 3	0.8666 ppm	0.3236 ppm	0.7154 ppm	0.8034 ppm	19.7225 ppm	3.8980 ppm	0.5271 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	0.4 %	1.3 %	0.7 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2725 ppm	2.0774 ppm	0.5167 ppm	7.0580 ppm	1.2253 ppm	0.3618 ppm	0.3495 ppm
Concentration per Run 1	5.2810 ppm	2.0474 ppm	0.5156 ppm	6.9653 ppm	1.2241 ppm	0.3618 ppm	0.3490 ppm
Concentration per Run 2	5.2702 ppm	2.0912 ppm	0.5175 ppm	7.0905 ppm	1.2257 ppm	0.3628 ppm	0.3513 ppm
Concentration per Run 3	5.2662 ppm	2.0937 ppm	0.5171 ppm	7.1182 ppm	1.2261 ppm	0.3607 ppm	0.3483 ppm
Concentration RSD	0.1 %	1.3 %	0.2 %	1.2 %	0.1 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.6560 ppm	6.5322 ppm	0.3011 ppm	0.5319 ppm	0.9308 ppm	0.8171 ppm	0.3902 ppm
Concentration per Run 1	0.6550 ppm	6.5299 ppm	0.3016 ppm	0.5242 ppm	0.9312 ppm	0.8186 ppm	0.3905 ppm
Concentration per Run 2	0.6555 ppm	6.5347 ppm	0.3022 ppm	0.5349 ppm	0.9317 ppm	0.8178 ppm	0.3906 ppm
Concentration per Run 3	0.6576 ppm	6.5322 ppm	0.2995 ppm	0.5365 ppm	0.9293 ppm	0.8149 ppm	0.3894 ppm
Concentration RSD	0.2 %	0.0 %	0.5 %	1.3 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6578 ppm	106.2117 %	108.3803 %	108.0514 %	101.9492 %	100.7617 %	103.9961 %
Concentration per Run 1	0.6565 ppm	107.4940 %	108.3133 %	107.8852 %	103.3682 %	100.8525 %	103.9536 %
Concentration per Run 2	0.6591 ppm	105.6986 %	108.4202 %	107.8587 %	101.3399 %	100.6399 %	103.9236 %
Concentration per Run 3	0.6577 ppm	105.4424 %	108.4075 %	108.4103 %	101.1395 %	100.7926 %	104.1110 %
Concentration RSD	0.2 %	1.1 %	0.1 %	0.3 %	1.2 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-01D2 WG2037857
Analysis started at: 3/10/2025 16:49:34
Comments <Comment>
Rack: 1
Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0012 ppm	69.1668 ppm	0.0439 ppm	0.0006 ppm	0.4946 ppm	0.0028 ppm	6.7927 ppm
Concentration per Run 1	-0.0014 ppm	68.8296 ppm	0.0440 ppm	0.0011 ppm	0.4925 ppm	0.0028 ppm	6.7663 ppm
Concentration per Run 2	-0.0010 ppm	69.3659 ppm	0.0439 ppm	0.0001 ppm	0.4959 ppm	0.0028 ppm	6.8147 ppm
Concentration per Run 3	-0.0010 ppm	69.3048 ppm	0.0439 ppm	0.0005 ppm	0.4954 ppm	0.0028 ppm	6.7971 ppm
Concentration RSD	20.0 %	0.4 %	0.2 %	94.0 %	0.4 %	0.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0312 ppm	0.0732 ppm	0.0545 ppm	105.3119 ppm	10.3215 ppm	0.0554 ppm
Concentration per Run 1	-0.0005 ppm	0.0312 ppm	0.0730 ppm	0.0543 ppm	104.5300 ppm	10.2638 ppm	0.0560 ppm
Concentration per Run 2	-0.0005 ppm	0.0314 ppm	0.0729 ppm	0.0547 ppm	105.8530 ppm	10.3757 ppm	0.0555 ppm
Concentration per Run 3	-0.0005 ppm	0.0310 ppm	0.0737 ppm	0.0547 ppm	105.5526 ppm	10.3249 ppm	0.0549 ppm
Concentration RSD	0.6 %	0.6 %	0.6 %	0.4 %	0.7 %	0.5 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.7289 ppm	1.7536 ppm	0.0083 ppm	0.5006 ppm	0.0362 ppm	0.0343 ppm	-0.0050 ppm
Concentration per Run 1	14.7311 ppm	1.7483 ppm	0.0084 ppm	0.4969 ppm	0.0358 ppm	0.0349 ppm	-0.0066 ppm
Concentration per Run 2	14.7192 ppm	1.7583 ppm	0.0079 ppm	0.5024 ppm	0.0362 ppm	0.0344 ppm	-0.0036 ppm
Concentration per Run 3	14.7363 ppm	1.7541 ppm	0.0087 ppm	0.5024 ppm	0.0365 ppm	0.0336 ppm	-0.0049 ppm
Concentration RSD	0.1 %	0.3 %	5.1 %	0.6 %	1.0 %	1.9 %	30.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	2.7461 ppm	0.0060 ppm	0.0425 ppm	3.3320 ppm	-0.0059 ppm	0.1606 ppm
Concentration per Run 1	0.0008 ppm	2.7519 ppm	0.0046 ppm	0.0423 ppm	3.3365 ppm	-0.0056 ppm	0.1606 ppm
Concentration per Run 2	0.0013 ppm	2.7448 ppm	0.0067 ppm	0.0425 ppm	3.3294 ppm	-0.0066 ppm	0.1601 ppm
Concentration per Run 3	0.0022 ppm	2.7415 ppm	0.0067 ppm	0.0425 ppm	3.3301 ppm	-0.0054 ppm	0.1609 ppm
Concentration RSD	50.1 %	0.2 %	20.5 %	0.3 %	0.1 %	11.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1435 ppm	114.6303 %	117.4949 %	115.4497 %	102.6332 %	101.5079 %	104.9331 %
Concentration per Run 1	0.1434 ppm	114.6685 %	117.4514 %	115.3881 %	102.9148 %	101.4927 %	104.8755 %
Concentration per Run 2	0.1433 ppm	114.9639 %	117.5055 %	115.1439 %	102.8004 %	101.4634 %	104.9202 %
Concentration per Run 3	0.1438 ppm	114.2584 %	117.5276 %	115.8171 %	102.1845 %	101.5676 %	105.0034 %
Concentration RSD	0.2 %	0.3 %	0.0 %	0.3 %	0.4 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-02D2 WG2037857
Analysis started at: 3/10/2025 16:54:48
Comments <Comment>
Rack: 1
Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	63.4504 ppm	0.0182 ppm	0.0005 ppm	0.4379 ppm	0.0022 ppm	8.9054 ppm
Concentration per Run 1	-0.0004 ppm	62.5019 ppm	0.0174 ppm	0.0006 ppm	0.4309 ppm	0.0021 ppm	8.7990 ppm
Concentration per Run 2	-0.0007 ppm	63.8897 ppm	0.0177 ppm	0.0002 ppm	0.4409 ppm	0.0022 ppm	8.9604 ppm
Concentration per Run 3	-0.0004 ppm	63.9596 ppm	0.0196 ppm	0.0007 ppm	0.4418 ppm	0.0022 ppm	8.9568 ppm
Concentration RSD	36.1 %	1.3 %	6.4 %	56.3 %	1.4 %	1.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0310 ppm	0.0494 ppm	0.0684 ppm	75.3594 ppm	7.9617 ppm	0.0523 ppm
Concentration per Run 1	-0.0005 ppm	0.0308 ppm	0.0496 ppm	0.0681 ppm	74.4015 ppm	7.8380 ppm	0.0517 ppm
Concentration per Run 2	-0.0004 ppm	0.0310 ppm	0.0491 ppm	0.0686 ppm	75.8862 ppm	8.0180 ppm	0.0531 ppm
Concentration per Run 3	-0.0004 ppm	0.0313 ppm	0.0495 ppm	0.0685 ppm	75.7907 ppm	8.0291 ppm	0.0519 ppm
Concentration RSD	7.9 %	0.8 %	0.5 %	0.4 %	1.1 %	1.3 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.0765 ppm	1.2490 ppm	0.0037 ppm	0.5447 ppm	0.0349 ppm	0.0343 ppm	-0.0047 ppm
Concentration per Run 1	14.1333 ppm	1.2334 ppm	0.0035 ppm	0.5369 ppm	0.0349 ppm	0.0346 ppm	-0.0037 ppm
Concentration per Run 2	14.0199 ppm	1.2578 ppm	0.0043 ppm	0.5449 ppm	0.0348 ppm	0.0345 ppm	-0.0048 ppm
Concentration per Run 3	14.0763 ppm	1.2557 ppm	0.0033 ppm	0.5522 ppm	0.0351 ppm	0.0338 ppm	-0.0057 ppm
Concentration RSD	0.4 %	1.1 %	13.8 %	1.4 %	0.5 %	1.3 %	20.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.5596 ppm	0.0068 ppm	0.0348 ppm	2.9912 ppm	-0.0067 ppm	0.1053 ppm
Concentration per Run 1	0.0007 ppm	3.5373 ppm	0.0067 ppm	0.0342 ppm	2.9946 ppm	-0.0063 ppm	0.1053 ppm
Concentration per Run 2	0.0001 ppm	3.5603 ppm	0.0071 ppm	0.0351 ppm	2.9848 ppm	-0.0065 ppm	0.1055 ppm
Concentration per Run 3	0.0004 ppm	3.5812 ppm	0.0067 ppm	0.0352 ppm	2.9942 ppm	-0.0073 ppm	0.1052 ppm
Concentration RSD	74.0 %	0.6 %	3.4 %	1.6 %	0.2 %	8.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1413 ppm	115.1124 %	117.2887 %	114.4864 %	103.1022 %	100.7429 %	104.6379 %
Concentration per Run 1	0.1405 ppm	115.8592 %	117.0936 %	114.7597 %	104.1506 %	101.5097 %	104.5214 %
Concentration per Run 2	0.1418 ppm	114.7655 %	117.4467 %	114.5387 %	102.4171 %	100.4049 %	104.7738 %
Concentration per Run 3	0.1415 ppm	114.7126 %	117.3259 %	114.1608 %	102.7388 %	100.3142 %	104.6184 %
Concentration RSD	0.5 %	0.6 %	0.2 %	0.3 %	0.9 %	0.7 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-03D2 WG2037857
Analysis started at: 3/10/2025 16:59:52
Comments <Comment>
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	77.7994 ppm	0.0366 ppm	-0.0007 ppm	0.4450 ppm	0.0020 ppm	5.1476 ppm
Concentration per Run 1	-0.0006 ppm	77.3939 ppm	0.0397 ppm	-0.0007 ppm	0.4422 ppm	0.0020 ppm	5.1336 ppm
Concentration per Run 2	-0.0006 ppm	78.0176 ppm	0.0376 ppm	-0.0006 ppm	0.4466 ppm	0.0020 ppm	5.1536 ppm
Concentration per Run 3	-0.0005 ppm	77.9866 ppm	0.0324 ppm	-0.0008 ppm	0.4463 ppm	0.0021 ppm	5.1557 ppm
Concentration RSD	8.6 %	0.5 %	10.3 %	14.2 %	0.6 %	0.7 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0267 ppm	0.0788 ppm	0.0450 ppm	101.2712 ppm	5.5414 ppm	0.0478 ppm
Concentration per Run 1	-0.0010 ppm	0.0268 ppm	0.0787 ppm	0.0448 ppm	100.7153 ppm	5.5260 ppm	0.0473 ppm
Concentration per Run 2	-0.0009 ppm	0.0269 ppm	0.0791 ppm	0.0452 ppm	100.9916 ppm	5.5503 ppm	0.0474 ppm
Concentration per Run 3	-0.0009 ppm	0.0265 ppm	0.0785 ppm	0.0451 ppm	102.1065 ppm	5.5480 ppm	0.0486 ppm
Concentration RSD	5.9 %	0.7 %	0.4 %	0.5 %	0.7 %	0.2 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.6382 ppm	1.3269 ppm	0.0059 ppm	0.2890 ppm	0.0326 ppm	0.0309 ppm	-0.0043 ppm
Concentration per Run 1	14.6223 ppm	1.3223 ppm	0.0058 ppm	0.2881 ppm	0.0323 ppm	0.0304 ppm	-0.0048 ppm
Concentration per Run 2	14.6607 ppm	1.3266 ppm	0.0060 ppm	0.2910 ppm	0.0328 ppm	0.0316 ppm	-0.0041 ppm
Concentration per Run 3	14.6317 ppm	1.3319 ppm	0.0059 ppm	0.2879 ppm	0.0326 ppm	0.0308 ppm	-0.0039 ppm
Concentration RSD	0.1 %	0.4 %	1.4 %	0.6 %	0.8 %	2.0 %	10.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	7.8703 ppm	0.0062 ppm	0.0214 ppm	3.9241 ppm	-0.0091 ppm	0.1472 ppm
Concentration per Run 1	0.0017 ppm	7.8634 ppm	0.0063 ppm	0.0213 ppm	3.9232 ppm	-0.0082 ppm	0.1466 ppm
Concentration per Run 2	0.0016 ppm	7.9179 ppm	0.0061 ppm	0.0215 ppm	3.9268 ppm	-0.0096 ppm	0.1478 ppm
Concentration per Run 3	-0.0006 ppm	7.8297 ppm	0.0063 ppm	0.0215 ppm	3.9221 ppm	-0.0096 ppm	0.1471 ppm
Concentration RSD	148.0 %	0.6 %	1.5 %	0.4 %	0.1 %	8.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1390 ppm	113.0253 %	115.1328 %	112.3086 %	102.8260 %	100.7657 %	104.4758 %
Concentration per Run 1	0.1390 ppm	113.1282 %	115.2387 %	112.3751 %	102.9756 %	100.9364 %	104.6558 %
Concentration per Run 2	0.1393 ppm	113.4253 %	115.0825 %	112.2603 %	103.0575 %	100.1489 %	104.3882 %
Concentration per Run 3	0.1386 ppm	112.5222 %	115.0773 %	112.2905 %	102.4447 %	101.2118 %	104.3833 %
Concentration RSD	0.3 %	0.4 %	0.1 %	0.1 %	0.3 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-04D2 WG2037857
Analysis started at: 3/10/2025 17:05:06
Comments <Comment>
Rack: 1
Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	26.6745 ppm	0.0067 ppm	0.0000 ppm	0.4646 ppm	0.0011 ppm	19.4086 ppm
Concentration per Run 1	-0.0002 ppm	26.2576 ppm	0.0086 ppm	0.0000 ppm	0.4577 ppm	0.0010 ppm	19.1235 ppm
Concentration per Run 2	-0.0003 ppm	26.8347 ppm	0.0052 ppm	0.0003 ppm	0.4674 ppm	0.0011 ppm	19.4915 ppm
Concentration per Run 3	-0.0002 ppm	26.9310 ppm	0.0062 ppm	-0.0005 ppm	0.4687 ppm	0.0011 ppm	19.6109 ppm
Concentration RSD	8.1 %	1.4 %	26.1 %	929.0 %	1.3 %	3.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0120 ppm	0.0223 ppm	0.0322 ppm	45.0040 ppm	5.7340 ppm	0.0231 ppm
Concentration per Run 1	-0.0005 ppm	0.0122 ppm	0.0225 ppm	0.0324 ppm	44.3294 ppm	5.6563 ppm	0.0224 ppm
Concentration per Run 2	-0.0006 ppm	0.0121 ppm	0.0221 ppm	0.0322 ppm	45.2018 ppm	5.7711 ppm	0.0238 ppm
Concentration per Run 3	-0.0004 ppm	0.0118 ppm	0.0224 ppm	0.0319 ppm	45.4810 ppm	5.7746 ppm	0.0232 ppm
Concentration RSD	16.8 %	1.9 %	0.9 %	0.7 %	1.3 %	1.2 %	3.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.9739 ppm	0.3514 ppm	0.0008 ppm	0.4505 ppm	0.0099 ppm	0.0088 ppm	-0.0024 ppm
Concentration per Run 1	9.9934 ppm	0.3459 ppm	0.0010 ppm	0.4430 ppm	0.0099 ppm	0.0097 ppm	-0.0024 ppm
Concentration per Run 2	9.9846 ppm	0.3537 ppm	0.0010 ppm	0.4555 ppm	0.0097 ppm	0.0089 ppm	-0.0025 ppm
Concentration per Run 3	9.9436 ppm	0.3547 ppm	0.0005 ppm	0.4530 ppm	0.0102 ppm	0.0079 ppm	-0.0022 ppm
Concentration RSD	0.3 %	1.4 %	32.8 %	1.5 %	2.6 %	9.7 %	6.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	2.4439 ppm	0.0040 ppm	0.0522 ppm	1.6936 ppm	-0.0060 ppm	0.0811 ppm
Concentration per Run 1	0.0001 ppm	2.4477 ppm	0.0038 ppm	0.0515 ppm	1.6969 ppm	-0.0061 ppm	0.0817 ppm
Concentration per Run 2	0.0001 ppm	2.4406 ppm	0.0032 ppm	0.0524 ppm	1.6946 ppm	-0.0067 ppm	0.0809 ppm
Concentration per Run 3	0.0012 ppm	2.4434 ppm	0.0048 ppm	0.0527 ppm	1.6895 ppm	-0.0052 ppm	0.0808 ppm
Concentration RSD	135.4 %	0.1 %	20.9 %	1.3 %	0.2 %	12.7 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0664 ppm	110.5398 %	113.2440 %	111.2125 %	101.5589 %	101.9935 %	103.2882 %
Concentration per Run 1	0.0663 ppm	111.8448 %	113.2460 %	111.1852 %	102.8920 %	101.8429 %	103.2109 %
Concentration per Run 2	0.0664 ppm	110.2169 %	113.0807 %	111.1711 %	101.2973 %	101.9872 %	103.1280 %
Concentration per Run 3	0.0665 ppm	109.5576 %	113.4054 %	111.2813 %	100.4874 %	102.1505 %	103.5258 %
Concentration RSD	0.2 %	1.1 %	0.1 %	0.1 %	1.2 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-05D2 WG2037857
Analysis started at: 3/10/2025 17:10:12
Comments <Comment>
Rack: 1
Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	48.6394 ppm	0.0112 ppm	-0.0017 ppm	0.3258 ppm	0.0024 ppm	6.0059 ppm
Concentration per Run 1	-0.0003 ppm	48.1088 ppm	0.0122 ppm	-0.0018 ppm	0.3221 ppm	0.0024 ppm	5.9443 ppm
Concentration per Run 2	0.0000 ppm	48.9230 ppm	0.0101 ppm	-0.0015 ppm	0.3278 ppm	0.0024 ppm	6.0344 ppm
Concentration per Run 3	-0.0002 ppm	48.8866 ppm	0.0111 ppm	-0.0018 ppm	0.3277 ppm	0.0024 ppm	6.0390 ppm
Concentration RSD	99.4 %	0.9 %	9.3 %	11.6 %	1.0 %	0.6 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0170 ppm	0.0456 ppm	0.0433 ppm	56.3370 ppm	9.9392 ppm	0.0579 ppm
Concentration per Run 1	-0.0005 ppm	0.0171 ppm	0.0458 ppm	0.0431 ppm	55.7856 ppm	9.8246 ppm	0.0567 ppm
Concentration per Run 2	-0.0005 ppm	0.0167 ppm	0.0456 ppm	0.0431 ppm	56.6121 ppm	9.9990 ppm	0.0593 ppm
Concentration per Run 3	-0.0004 ppm	0.0171 ppm	0.0454 ppm	0.0437 ppm	56.6132 ppm	9.9940 ppm	0.0577 ppm
Concentration RSD	7.4 %	1.3 %	0.4 %	0.7 %	0.8 %	1.0 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.6539 ppm	0.9969 ppm	0.0012 ppm	0.5896 ppm	0.0311 ppm	0.0128 ppm	-0.0037 ppm
Concentration per Run 1	9.6672 ppm	0.9857 ppm	0.0011 ppm	0.5817 ppm	0.0305 ppm	0.0136 ppm	-0.0026 ppm
Concentration per Run 2	9.6712 ppm	1.0037 ppm	0.0013 ppm	0.5930 ppm	0.0311 ppm	0.0134 ppm	-0.0035 ppm
Concentration per Run 3	9.6234 ppm	1.0014 ppm	0.0011 ppm	0.5942 ppm	0.0316 ppm	0.0113 ppm	-0.0050 ppm
Concentration RSD	0.3 %	1.0 %	8.9 %	1.2 %	1.8 %	10.1 %	33.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	7.4312 ppm	0.0058 ppm	0.0455 ppm	2.6134 ppm	-0.0049 ppm	0.0794 ppm
Concentration per Run 1	-0.0004 ppm	7.4377 ppm	0.0059 ppm	0.0448 ppm	2.6112 ppm	-0.0037 ppm	0.0796 ppm
Concentration per Run 2	-0.0016 ppm	7.4262 ppm	0.0062 ppm	0.0457 ppm	2.6155 ppm	-0.0078 ppm	0.0796 ppm
Concentration per Run 3	0.0016 ppm	7.4298 ppm	0.0053 ppm	0.0459 ppm	2.6135 ppm	-0.0032 ppm	0.0791 ppm
Concentration RSD	1,350.2 %	0.1 %	8.0 %	1.2 %	0.1 %	50.8 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1006 ppm	121.7506 %	125.2261 %	122.5553 %	102.1889 %	103.0456 %	104.1646 %
Concentration per Run 1	0.1003 ppm	122.0922 %	125.3206 %	122.6383 %	102.7841 %	103.1005 %	104.2957 %
Concentration per Run 2	0.1007 ppm	121.6158 %	124.8791 %	122.4301 %	101.9222 %	103.2226 %	103.9131 %
Concentration per Run 3	0.1009 ppm	121.5439 %	125.4785 %	122.5975 %	101.8603 %	102.8136 %	104.2849 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.5 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-06D2 WG2037857
Analysis started at: 3/10/2025 17:15:16
Comments <Comment>
Rack: 1
Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	48.3731 ppm	0.0114 ppm	-0.0008 ppm	0.3602 ppm	0.0021 ppm	16.6683 ppm
Concentration per Run 1	-0.0001 ppm	47.7888 ppm	0.0115 ppm	-0.0006 ppm	0.3551 ppm	0.0021 ppm	16.5426 ppm
Concentration per Run 2	-0.0002 ppm	48.6303 ppm	0.0117 ppm	-0.0015 ppm	0.3625 ppm	0.0021 ppm	16.7311 ppm
Concentration per Run 3	0.0001 ppm	48.7004 ppm	0.0110 ppm	-0.0002 ppm	0.3631 ppm	0.0021 ppm	16.7312 ppm
Concentration RSD	249.2 %	1.0 %	3.3 %	85.0 %	1.2 %	0.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0303 ppm	0.0505 ppm	0.0662 ppm	73.9035 ppm	10.3126 ppm	0.0533 ppm
Concentration per Run 1	-0.0006 ppm	0.0303 ppm	0.0501 ppm	0.0663 ppm	73.1114 ppm	10.1652 ppm	0.0527 ppm
Concentration per Run 2	-0.0006 ppm	0.0306 ppm	0.0509 ppm	0.0663 ppm	74.2654 ppm	10.3605 ppm	0.0534 ppm
Concentration per Run 3	-0.0006 ppm	0.0300 ppm	0.0507 ppm	0.0661 ppm	74.3336 ppm	10.4121 ppm	0.0539 ppm
Concentration RSD	4.8 %	1.0 %	0.8 %	0.2 %	0.9 %	1.3 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3270 ppm	1.2521 ppm	0.0006 ppm	0.5170 ppm	0.0352 ppm	0.0165 ppm	-0.0041 ppm
Concentration per Run 1	14.3510 ppm	1.2403 ppm	0.0002 ppm	0.5116 ppm	0.0352 ppm	0.0153 ppm	-0.0051 ppm
Concentration per Run 2	14.3656 ppm	1.2579 ppm	0.0012 ppm	0.5213 ppm	0.0356 ppm	0.0172 ppm	-0.0045 ppm
Concentration per Run 3	14.2644 ppm	1.2580 ppm	0.0004 ppm	0.5181 ppm	0.0347 ppm	0.0169 ppm	-0.0026 ppm
Concentration RSD	0.4 %	0.8 %	83.1 %	0.9 %	1.3 %	6.3 %	31.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.0016 ppm	0.0060 ppm	0.0751 ppm	2.9926 ppm	-0.0047 ppm	0.0949 ppm
Concentration per Run 1	0.0001 ppm	3.9966 ppm	0.0060 ppm	0.0741 ppm	2.9939 ppm	-0.0056 ppm	0.0951 ppm
Concentration per Run 2	0.0002 ppm	4.0099 ppm	0.0065 ppm	0.0755 ppm	2.9996 ppm	-0.0034 ppm	0.0950 ppm
Concentration per Run 3	0.0004 ppm	3.9985 ppm	0.0056 ppm	0.0758 ppm	2.9844 ppm	-0.0053 ppm	0.0946 ppm
Concentration RSD	78.7 %	0.2 %	7.4 %	1.2 %	0.3 %	25.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1368 ppm	114.3175 %	117.2520 %	115.0222 %	101.9839 %	103.5481 %	103.6177 %
Concentration per Run 1	0.1372 ppm	114.5223 %	117.1077 %	114.9669 %	102.4605 %	103.5774 %	103.5889 %
Concentration per Run 2	0.1361 ppm	114.3736 %	117.0264 %	114.7893 %	101.8817 %	103.4963 %	103.3366 %
Concentration per Run 3	0.1371 ppm	114.0566 %	117.6220 %	115.3103 %	101.6095 %	103.5705 %	103.9276 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	0.4 %	0.0 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 17:20:19
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4904 ppm	0.5283 ppm	0.4879 ppm	0.4760 ppm	0.5033 ppm	0.5119 ppm	0.5256 ppm
Concentration per Run 1	0.4909 ppm	0.5188 ppm	0.4843 ppm	0.4729 ppm	0.4962 ppm	0.5049 ppm	0.5152 ppm
Concentration per Run 2	0.4902 ppm	0.5319 ppm	0.4882 ppm	0.4777 ppm	0.5070 ppm	0.5151 ppm	0.5302 ppm
Concentration per Run 3	0.4900 ppm	0.5343 ppm	0.4912 ppm	0.4774 ppm	0.5065 ppm	0.5158 ppm	0.5314 ppm
Recovery Percentage 1	98.072 %	105.662 %	97.582 %	95.194 %	100.651 %	102.388 %	105.122 %
Concentration RSD	0.1 %	1.6 %	0.7 %	0.6 %	1.2 %	1.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4805 ppm	0.4794 ppm	0.5105 ppm	0.4819 ppm	0.5352 ppm	5.2940 ppm	0.5199 ppm
Concentration per Run 1	0.4780 ppm	0.4770 ppm	0.5099 ppm	0.4810 ppm	0.5268 ppm	5.2230 ppm	0.5121 ppm
Concentration per Run 2	0.4818 ppm	0.4806 ppm	0.5111 ppm	0.4826 ppm	0.5395 ppm	5.3252 ppm	0.5229 ppm
Concentration per Run 3	0.4817 ppm	0.4806 ppm	0.5106 ppm	0.4820 ppm	0.5394 ppm	5.3338 ppm	0.5247 ppm
Recovery Percentage 1	96.098 %	95.878 %	102.098 %	96.373 %	107.043 %	105.880 %	103.984 %
Concentration RSD	0.5 %	0.4 %	0.1 %	0.2 %	1.4 %	1.2 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5163 ppm	0.5079 ppm	0.4820 ppm	10.5117 ppm	0.4820 ppm	0.4748 ppm	0.4958 ppm
Concentration per Run 1	0.5175 ppm	0.5007 ppm	0.4792 ppm	10.3865 ppm	0.4793 ppm	0.4725 ppm	0.4955 ppm
Concentration per Run 2	0.5145 ppm	0.5117 ppm	0.4830 ppm	10.5813 ppm	0.4827 ppm	0.4732 ppm	0.4942 ppm
Concentration per Run 3	0.5170 ppm	0.5113 ppm	0.4837 ppm	10.5672 ppm	0.4839 ppm	0.4788 ppm	0.4976 ppm
Recovery Percentage 1	103.265 %	101.580 %	96.390 %	105.117 %	96.395 %	94.969 %	99.151 %
Concentration RSD	0.3 %	1.2 %	0.5 %	1.0 %	0.5 %	0.7 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4844 ppm	5.5972 ppm	0.4986 ppm	0.5105 ppm	0.5105 ppm	0.4616 ppm	0.4933 ppm
Concentration per Run 1	0.4791 ppm	5.5647 ppm	0.4962 ppm	0.5031 ppm	0.5099 ppm	0.4601 ppm	0.4928 ppm
Concentration per Run 2	0.4862 ppm	5.6071 ppm	0.4997 ppm	0.5139 ppm	0.5107 ppm	0.4608 ppm	0.4933 ppm
Concentration per Run 3	0.4879 ppm	5.6199 ppm	0.4999 ppm	0.5144 ppm	0.5109 ppm	0.4640 ppm	0.4938 ppm
Recovery Percentage 1	96.878 %	106.614 %	99.716 %	102.093 %	102.105 %	92.328 %	98.661 %
Concentration RSD	1.0 %	0.5 %	0.4 %	1.3 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4942 ppm	101.6954 %	105.0156 %	103.4425 %	99.9790 %	103.9589 %	102.7394 %
Concentration per Run 1	0.4912 ppm	102.9763 %	105.0009 %	103.6215 %	101.3507 %	104.6661 %	102.7489 %
Concentration per Run 2	0.4946 ppm	101.1584 %	104.9867 %	103.7250 %	99.3659 %	103.7200 %	102.7045 %
Concentration per Run 3	0.4969 ppm	100.9514 %	105.0592 %	102.9811 %	99.2205 %	103.4908 %	102.7649 %
Recovery Percentage 1	98.847 %						
Concentration RSD	0.6 %	1.1 %	0.0 %	0.4 %	1.2 %	0.6 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 17:25:12
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0040 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0051 ppm
Concentration per Run 1	0.0007 ppm	0.0029 ppm	0.0031 ppm	0.0008 ppm	0.0002 ppm	0.0002 ppm	0.0040 ppm
Concentration per Run 2	0.0005 ppm	0.0060 ppm	-0.0012 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0052 ppm
Concentration per Run 3	0.0007 ppm	0.0031 ppm	-0.0007 ppm	-0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0062 ppm
Recovery Percentage 1	12.318 %	4.003 %	7.999 %	0.695 %	2.289 %	3.907 %	5.112 %
Concentration RSD	16.6 %	44.1 %	590.1 %	247.3 %	25.7 %	3.5 %	21.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0065 ppm	0.0211 ppm	0.0007 ppm
Concentration per Run 1	0.0005 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0065 ppm	0.0216 ppm	0.0007 ppm
Concentration per Run 2	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0004 ppm	0.0068 ppm	0.0304 ppm	0.0009 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	0.0064 ppm	0.0112 ppm	0.0006 ppm
Recovery Percentage 1	9.584 %	0.447 %	2.706 %	2.181 %	13.097 %	0.842 %	7.247 %
Concentration RSD	32.4 %	192.6 %	72.9 %	112.5 %	2.8 %	45.8 %	25.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0026 ppm	0.0005 ppm	0.0006 ppm	0.0070 ppm	0.0002 ppm	0.0002 ppm	0.0015 ppm
Concentration per Run 1	0.0024 ppm	0.0005 ppm	0.0005 ppm	0.0091 ppm	0.0008 ppm	0.0009 ppm	0.0029 ppm
Concentration per Run 2	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0069 ppm	0.0005 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0052 ppm	0.0005 ppm	0.0009 ppm	0.0050 ppm	-0.0008 ppm	-0.0004 ppm	0.0006 ppm
Recovery Percentage 1	2.593 %	4.792 %	1.172 %	0.351 %	0.653 %	1.789 %	3.010 %
Concentration RSD	97.5 %	8.0 %	48.4 %	29.9 %	503.5 %	380.5 %	78.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0070 ppm	0.0007 ppm	0.0003 ppm	0.0008 ppm	0.0009 ppm	0.0005 ppm
Concentration per Run 1	0.0010 ppm	0.0089 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 2	-0.0011 ppm	0.0065 ppm	0.0013 ppm	0.0003 ppm	0.0008 ppm	0.0007 ppm	0.0004 ppm
Concentration per Run 3	-0.0004 ppm	0.0056 ppm	0.0008 ppm	0.0003 ppm	0.0009 ppm	0.0016 ppm	0.0007 ppm
Recovery Percentage 1	-1.814 %	1.399 %	1.304 %	2.646 %	7.845 %	4.264 %	5.210 %
Concentration RSD	577.4 %	24.3 %	112.5 %	3.2 %	17.1 %	73.9 %	26.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	101.8253 %	105.7196 %	103.5048 %	98.8145 %	105.7646 %	102.1282 %
Concentration per Run 1	0.0001 ppm	102.9342 %	105.6277 %	103.8697 %	100.1892 %	106.3958 %	102.1248 %
Concentration per Run 2	-0.0001 ppm	102.1264 %	105.5781 %	103.2443 %	98.8518 %	105.2750 %	101.9337 %
Concentration per Run 3	-0.0002 ppm	100.4152 %	105.9530 %	103.4005 %	97.4025 %	105.6229 %	102.3262 %
Recovery Percentage 1	-0.629 %						
Concentration RSD	512.9 %	1.3 %	0.2 %	0.3 %	1.4 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037857-1 WG2037857
Analysis started at: 3/10/2025 17:31:05
Comments <Comment>
Rack: 1
Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0129 ppm	-0.0015 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0338 ppm
Concentration per Run 1	0.0000 ppm	0.0165 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0321 ppm
Concentration per Run 2	0.0001 ppm	0.0131 ppm	-0.0025 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm	0.0364 ppm
Concentration per Run 3	0.0000 ppm	0.0090 ppm	-0.0021 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0329 ppm
Recovery Percentage 1	0.641 %	12.850 %	-29.571 %	0.719 %	2.292 %	0.693 %	33.819 %
Concentration RSD	140.2 %	29.5 %	95.0 %	139.7 %	21.5 %	89.5 %	6.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0275 ppm	0.0144 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0282 ppm	0.0287 ppm	0.0009 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0282 ppm	-0.0057 ppm	0.0007 ppm
Concentration per Run 3	0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0261 ppm	0.0202 ppm	0.0006 ppm
Recovery Percentage 1	3.341 %	-0.636 %	3.243 %	1.408 %	55.026 %	0.577 %	7.258 %
Concentration RSD	22.1 %	169.4 %	46.6 %	57.9 %	4.4 %	124.6 %	20.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0062 ppm	0.0009 ppm	0.0005 ppm	0.0110 ppm	-0.0005 ppm	0.0034 ppm	0.0021 ppm
Concentration per Run 1	0.0044 ppm	0.0012 ppm	0.0005 ppm	0.0116 ppm	-0.0008 ppm	0.0018 ppm	0.0013 ppm
Concentration per Run 2	0.0070 ppm	0.0008 ppm	0.0007 ppm	0.0121 ppm	-0.0004 ppm	0.0033 ppm	0.0018 ppm
Concentration per Run 3	0.0070 ppm	0.0008 ppm	0.0004 ppm	0.0091 ppm	-0.0003 ppm	0.0049 ppm	0.0034 ppm
Recovery Percentage 1	6.155 %	9.464 %	1.047 %	0.548 %	-1.949 %	33.615 %	4.271 %
Concentration RSD	24.0 %	21.0 %	33.2 %	14.5 %	63.0 %	46.1 %	50.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0234 ppm	0.0063 ppm	0.0001 ppm	0.0008 ppm	-0.0054 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	0.0234 ppm	0.0067 ppm	0.0002 ppm	0.0007 ppm	-0.0050 ppm	0.0001 ppm
Concentration per Run 2	0.0005 ppm	0.0229 ppm	0.0061 ppm	0.0001 ppm	0.0008 ppm	-0.0062 ppm	0.0002 ppm
Concentration per Run 3	-0.0008 ppm	0.0237 ppm	0.0061 ppm	0.0002 ppm	0.0009 ppm	-0.0049 ppm	0.0000 ppm
Recovery Percentage 1	3.729 %	4.670 %	12.553 %	1.494 %	7.965 %	-26.889 %	0.977 %
Concentration RSD	307.2 %	1.6 %	5.5 %	16.8 %	12.7 %	12.6 %	82.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0055 ppm	102.4613 %	106.3920 %	102.4179 %	100.4695 %	101.9555 %	103.5432 %
Concentration per Run 1	0.0054 ppm	102.9227 %	106.2920 %	102.2267 %	100.9157 %	101.9849 %	103.3730 %
Concentration per Run 2	0.0055 ppm	102.3664 %	106.2689 %	102.5579 %	100.3935 %	101.7243 %	103.4781 %
Concentration per Run 3	0.0055 ppm	102.0948 %	106.6152 %	102.4689 %	100.0993 %	102.1573 %	103.7784 %
Recovery Percentage 1	109.884 %						
Concentration RSD	1.3 %	0.4 %	0.2 %	0.2 %	0.4 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037857-2D2 WG2037857
Analysis started at: 3/10/2025 17:36:17
Comments <Comment>
Rack: 1
Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3151 ppm	14.8290 ppm	1.1855 ppm	0.8368 ppm	1.0990 ppm	0.6499 ppm	20.0862 ppm
Concentration per Run 1	0.3153 ppm	14.4789 ppm	1.1884 ppm	0.8377 ppm	1.0718 ppm	0.6347 ppm	19.6468 ppm
Concentration per Run 2	0.3151 ppm	15.1355 ppm	1.1866 ppm	0.8370 ppm	1.1239 ppm	0.6628 ppm	20.4670 ppm
Concentration per Run 3	0.3149 ppm	14.8724 ppm	1.1815 ppm	0.8355 ppm	1.1014 ppm	0.6524 ppm	20.1447 ppm
Concentration RSD	0.1 %	2.2 %	0.3 %	0.1 %	2.4 %	2.2 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.7821 ppm	0.3039 ppm	0.7113 ppm	0.7702 ppm	19.5575 ppm	3.8446 ppm	0.5330 ppm
Concentration per Run 1	0.7831 ppm	0.3041 ppm	0.7107 ppm	0.7701 ppm	19.1051 ppm	3.7454 ppm	0.5182 ppm
Concentration per Run 2	0.7833 ppm	0.3041 ppm	0.7130 ppm	0.7707 ppm	19.9356 ppm	3.9236 ppm	0.5446 ppm
Concentration per Run 3	0.7800 ppm	0.3035 ppm	0.7100 ppm	0.7698 ppm	19.6317 ppm	3.8649 ppm	0.5364 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.1 %	2.1 %	2.4 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2282 ppm	2.0662 ppm	0.4987 ppm	7.1948 ppm	1.1720 ppm	0.3422 ppm	0.3267 ppm
Concentration per Run 1	5.2295 ppm	2.0188 ppm	0.4980 ppm	7.0164 ppm	1.1726 ppm	0.3423 ppm	0.3282 ppm
Concentration per Run 2	5.2358 ppm	2.1066 ppm	0.4993 ppm	7.3468 ppm	1.1728 ppm	0.3418 ppm	0.3259 ppm
Concentration per Run 3	5.2192 ppm	2.0731 ppm	0.4990 ppm	7.2211 ppm	1.1705 ppm	0.3426 ppm	0.3261 ppm
Concentration RSD	0.2 %	2.1 %	0.1 %	2.3 %	0.1 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.6316 ppm	7.1782 ppm	0.2875 ppm	0.5203 ppm	0.9580 ppm	0.7373 ppm	0.3860 ppm
Concentration per Run 1	0.6307 ppm	7.1890 ppm	0.2866 ppm	0.5079 ppm	0.9577 ppm	0.7390 ppm	0.3857 ppm
Concentration per Run 2	0.6324 ppm	7.1814 ppm	0.2901 ppm	0.5319 ppm	0.9585 ppm	0.7391 ppm	0.3868 ppm
Concentration per Run 3	0.6315 ppm	7.1642 ppm	0.2857 ppm	0.5212 ppm	0.9579 ppm	0.7338 ppm	0.3855 ppm
Concentration RSD	0.1 %	0.2 %	0.8 %	2.3 %	0.0 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6264 ppm	106.9347 %	110.7153 %	108.8554 %	99.8616 %	103.9781 %	102.5152 %
Concentration per Run 1	0.6257 ppm	108.6419 %	110.7298 %	108.8106 %	101.8029 %	103.8989 %	102.5499 %
Concentration per Run 2	0.6268 ppm	105.2271 %	110.6671 %	109.2035 %	98.2456 %	103.9808 %	102.4771 %
Concentration per Run 3	0.6269 ppm	106.9350 %	110.7491 %	108.5522 %	99.5363 %	104.0547 %	102.5186 %
Concentration RSD	0.1 %	1.6 %	0.0 %	0.3 %	1.8 %	0.1 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-07D2 WG2037857
Analysis started at: 3/10/2025 17:41:08
Comments <Comment>
Rack: 1
Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	71.2525 ppm	0.0171 ppm	0.0023 ppm	0.4967 ppm	0.0030 ppm	21.9123 ppm
Concentration per Run 1	-0.0005 ppm	70.4288 ppm	0.0179 ppm	0.0024 ppm	0.4907 ppm	0.0030 ppm	21.7944 ppm
Concentration per Run 2	-0.0007 ppm	71.6182 ppm	0.0166 ppm	0.0024 ppm	0.4999 ppm	0.0030 ppm	21.9444 ppm
Concentration per Run 3	-0.0006 ppm	71.7105 ppm	0.0168 ppm	0.0021 ppm	0.4996 ppm	0.0030 ppm	21.9981 ppm
Concentration RSD	9.1 %	1.0 %	4.2 %	8.5 %	1.1 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0300 ppm	0.0613 ppm	0.0711 ppm	78.7091 ppm	14.8071 ppm	0.0587 ppm
Concentration per Run 1	-0.0004 ppm	0.0299 ppm	0.0612 ppm	0.0709 ppm	78.0767 ppm	14.6709 ppm	0.0572 ppm
Concentration per Run 2	-0.0006 ppm	0.0299 ppm	0.0612 ppm	0.0711 ppm	78.9676 ppm	14.8773 ppm	0.0596 ppm
Concentration per Run 3	-0.0005 ppm	0.0301 ppm	0.0616 ppm	0.0712 ppm	79.0828 ppm	14.8730 ppm	0.0592 ppm
Concentration RSD	12.3 %	0.4 %	0.4 %	0.2 %	0.7 %	0.8 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3658 ppm	1.5581 ppm	0.0049 ppm	0.8605 ppm	0.0368 ppm	0.0362 ppm	-0.0035 ppm
Concentration per Run 1	14.3790 ppm	1.5458 ppm	0.0048 ppm	0.8499 ppm	0.0370 ppm	0.0371 ppm	-0.0049 ppm
Concentration per Run 2	14.3440 ppm	1.5635 ppm	0.0046 ppm	0.8685 ppm	0.0367 ppm	0.0360 ppm	-0.0027 ppm
Concentration per Run 3	14.3743 ppm	1.5651 ppm	0.0052 ppm	0.8630 ppm	0.0368 ppm	0.0354 ppm	-0.0030 ppm
Concentration RSD	0.1 %	0.7 %	6.5 %	1.1 %	0.3 %	2.3 %	34.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	4.5661 ppm	0.0062 ppm	0.1142 ppm	3.5208 ppm	-0.0057 ppm	0.1040 ppm
Concentration per Run 1	-0.0007 ppm	4.5749 ppm	0.0064 ppm	0.1128 ppm	3.5250 ppm	-0.0043 ppm	0.1038 ppm
Concentration per Run 2	0.0017 ppm	4.5514 ppm	0.0065 ppm	0.1150 ppm	3.5163 ppm	-0.0059 ppm	0.1041 ppm
Concentration per Run 3	-0.0003 ppm	4.5720 ppm	0.0057 ppm	0.1147 ppm	3.5211 ppm	-0.0069 ppm	0.1040 ppm
Concentration RSD	508.5 %	0.3 %	7.4 %	1.1 %	0.1 %	22.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1831 ppm	119.3060 %	123.7737 %	120.7643 %	101.1253 %	104.3513 %	103.5838 %
Concentration per Run 1	0.1835 ppm	119.2407 %	123.8007 %	121.1677 %	101.4392 %	104.2854 %	103.5727 %
Concentration per Run 2	0.1830 ppm	119.3176 %	123.9199 %	120.7378 %	101.0217 %	104.6603 %	103.7254 %
Concentration per Run 3	0.1828 ppm	119.3596 %	123.6006 %	120.3873 %	100.9150 %	104.1081 %	103.4532 %
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	0.3 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-08D2 WG2037857
Analysis started at: 3/10/2025 17:46:10
Comments <Comment>
Rack: 1
Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	44.2528 ppm	0.0058 ppm	-0.0010 ppm	0.3682 ppm	0.0016 ppm	6.7735 ppm
Concentration per Run 1	-0.0005 ppm	43.7403 ppm	0.0058 ppm	-0.0014 ppm	0.3646 ppm	0.0016 ppm	6.6954 ppm
Concentration per Run 2	-0.0004 ppm	44.4481 ppm	0.0049 ppm	-0.0008 ppm	0.3695 ppm	0.0016 ppm	6.8222 ppm
Concentration per Run 3	-0.0003 ppm	44.5701 ppm	0.0067 ppm	-0.0008 ppm	0.3706 ppm	0.0016 ppm	6.8030 ppm
Concentration RSD	22.5 %	1.0 %	15.8 %	34.5 %	0.9 %	0.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0149 ppm	0.0322 ppm	0.0589 ppm	47.4611 ppm	9.4505 ppm	0.0386 ppm
Concentration per Run 1	-0.0004 ppm	0.0146 ppm	0.0321 ppm	0.0593 ppm	46.9538 ppm	9.3550 ppm	0.0387 ppm
Concentration per Run 2	-0.0004 ppm	0.0150 ppm	0.0324 ppm	0.0586 ppm	47.6532 ppm	9.4851 ppm	0.0378 ppm
Concentration per Run 3	-0.0004 ppm	0.0151 ppm	0.0321 ppm	0.0589 ppm	47.7765 ppm	9.5114 ppm	0.0394 ppm
Concentration RSD	8.5 %	1.5 %	0.6 %	0.6 %	0.9 %	0.9 %	2.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.5850 ppm	0.6654 ppm	0.0005 ppm	0.7894 ppm	0.0232 ppm	0.0096 ppm	-0.0017 ppm
Concentration per Run 1	9.5640 ppm	0.6585 ppm	0.0007 ppm	0.7802 ppm	0.0233 ppm	0.0084 ppm	-0.0020 ppm
Concentration per Run 2	9.5897 ppm	0.6683 ppm	0.0004 ppm	0.7909 ppm	0.0230 ppm	0.0103 ppm	-0.0021 ppm
Concentration per Run 3	9.6012 ppm	0.6693 ppm	0.0003 ppm	0.7970 ppm	0.0233 ppm	0.0103 ppm	-0.0010 ppm
Concentration RSD	0.2 %	0.9 %	40.3 %	1.1 %	0.7 %	11.4 %	33.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0008 ppm	5.8193 ppm	0.0048 ppm	0.0181 ppm	2.3583 ppm	-0.0049 ppm	0.0581 ppm
Concentration per Run 1	-0.0017 ppm	5.8389 ppm	0.0061 ppm	0.0179 ppm	2.3566 ppm	-0.0063 ppm	0.0581 ppm
Concentration per Run 2	-0.0020 ppm	5.8541 ppm	0.0041 ppm	0.0181 ppm	2.3583 ppm	-0.0037 ppm	0.0586 ppm
Concentration per Run 3	0.0014 ppm	5.7648 ppm	0.0043 ppm	0.0182 ppm	2.3600 ppm	-0.0046 ppm	0.0575 ppm
Concentration RSD	237.8 %	0.8 %	22.6 %	0.8 %	0.1 %	27.4 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1030 ppm	110.8110 %	114.5178 %	111.8260 %	100.7999 %	104.0014 %	103.0901 %
Concentration per Run 1	0.1032 ppm	111.6357 %	114.6321 %	111.9086 %	101.8898 %	103.9332 %	103.1458 %
Concentration per Run 2	0.1032 ppm	110.1144 %	114.4926 %	111.8376 %	100.0994 %	103.5885 %	103.1376 %
Concentration per Run 3	0.1028 ppm	110.6828 %	114.4286 %	111.7317 %	100.4103 %	104.4826 %	102.9868 %
Concentration RSD	0.2 %	0.7 %	0.1 %	0.1 %	0.9 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-09D2 WG2037857
Analysis started at: 3/10/2025 17:51:14
Comments <Comment>
Rack: 1
Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0011 ppm	79.4246 ppm	0.0244 ppm	-0.0003 ppm	0.6063 ppm	0.0030 ppm	10.0300 ppm
Concentration per Run 1	-0.0012 ppm	79.1027 ppm	0.0268 ppm	-0.0004 ppm	0.6035 ppm	0.0030 ppm	9.9850 ppm
Concentration per Run 2	-0.0012 ppm	79.4771 ppm	0.0225 ppm	-0.0001 ppm	0.6060 ppm	0.0030 ppm	10.0781 ppm
Concentration per Run 3	-0.0009 ppm	79.6940 ppm	0.0239 ppm	-0.0004 ppm	0.6093 ppm	0.0030 ppm	10.0269 ppm
Concentration RSD	13.2 %	0.4 %	9.1 %	53.6 %	0.5 %	0.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0429 ppm	0.0917 ppm	0.1003 ppm	112.4722 ppm	21.9649 ppm	0.0893 ppm
Concentration per Run 1	-0.0009 ppm	0.0431 ppm	0.0917 ppm	0.0999 ppm	111.6989 ppm	21.8676 ppm	0.0889 ppm
Concentration per Run 2	-0.0010 ppm	0.0428 ppm	0.0916 ppm	0.1002 ppm	113.1208 ppm	21.9927 ppm	0.0892 ppm
Concentration per Run 3	-0.0009 ppm	0.0427 ppm	0.0919 ppm	0.1009 ppm	112.5968 ppm	22.0343 ppm	0.0898 ppm
Concentration RSD	3.3 %	0.5 %	0.2 %	0.5 %	0.6 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	25.8207 ppm	1.9857 ppm	0.0030 ppm	0.6532 ppm	0.0608 ppm	0.0297 ppm	-0.0064 ppm
Concentration per Run 1	25.7750 ppm	1.9807 ppm	0.0031 ppm	0.6521 ppm	0.0609 ppm	0.0288 ppm	-0.0049 ppm
Concentration per Run 2	25.8305 ppm	1.9867 ppm	0.0029 ppm	0.6518 ppm	0.0607 ppm	0.0310 ppm	-0.0053 ppm
Concentration per Run 3	25.8566 ppm	1.9897 ppm	0.0030 ppm	0.6558 ppm	0.0609 ppm	0.0291 ppm	-0.0089 ppm
Concentration RSD	0.2 %	0.2 %	2.5 %	0.3 %	0.2 %	4.0 %	34.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	2.0690 ppm	0.0069 ppm	0.0710 ppm	5.1013 ppm	-0.0070 ppm	0.1635 ppm
Concentration per Run 1	-0.0015 ppm	2.0707 ppm	0.0074 ppm	0.0706 ppm	5.0936 ppm	-0.0052 ppm	0.1637 ppm
Concentration per Run 2	-0.0015 ppm	2.0761 ppm	0.0062 ppm	0.0711 ppm	5.0933 ppm	-0.0075 ppm	0.1631 ppm
Concentration per Run 3	-0.0018 ppm	2.0600 ppm	0.0071 ppm	0.0715 ppm	5.1171 ppm	-0.0083 ppm	0.1636 ppm
Concentration RSD	10.8 %	0.4 %	9.3 %	0.6 %	0.3 %	22.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2271 ppm	118.6730 %	122.9139 %	120.4432 %	101.8550 %	105.7730 %	104.1843 %
Concentration per Run 1	0.2269 ppm	118.6177 %	123.0308 %	120.5976 %	101.9633 %	105.7104 %	104.2573 %
Concentration per Run 2	0.2279 ppm	118.4589 %	122.9771 %	120.3417 %	101.6172 %	105.6149 %	104.3355 %
Concentration per Run 3	0.2265 ppm	118.9422 %	122.7339 %	120.3902 %	101.9846 %	105.9938 %	103.9601 %
Concentration RSD	0.3 %	0.2 %	0.1 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511558-10D2 WG2037857
Analysis started at: 3/10/2025 17:56:25
Comments <Comment>
Rack: 1
Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	98.3542 ppm	0.0473 ppm	0.0018 ppm	0.3458 ppm	0.0030 ppm	3.1133 ppm
Concentration per Run 1	-0.0005 ppm	97.8168 ppm	0.0455 ppm	0.0016 ppm	0.3438 ppm	0.0029 ppm	3.0924 ppm
Concentration per Run 2	-0.0003 ppm	98.6616 ppm	0.0505 ppm	0.0019 ppm	0.3468 ppm	0.0030 ppm	3.1193 ppm
Concentration per Run 3	-0.0003 ppm	98.5842 ppm	0.0459 ppm	0.0019 ppm	0.3468 ppm	0.0030 ppm	3.1283 ppm
Concentration RSD	30.9 %	0.5 %	5.9 %	9.8 %	0.5 %	0.9 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0257 ppm	0.0858 ppm	0.0507 ppm	126.5714 ppm	3.1407 ppm	0.0513 ppm
Concentration per Run 1	-0.0009 ppm	0.0256 ppm	0.0862 ppm	0.0508 ppm	125.2263 ppm	3.1326 ppm	0.0506 ppm
Concentration per Run 2	-0.0008 ppm	0.0261 ppm	0.0856 ppm	0.0506 ppm	126.8883 ppm	3.1305 ppm	0.0517 ppm
Concentration per Run 3	-0.0009 ppm	0.0254 ppm	0.0854 ppm	0.0508 ppm	127.5996 ppm	3.1592 ppm	0.0516 ppm
Concentration RSD	7.6 %	1.4 %	0.5 %	0.2 %	1.0 %	0.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.9853 ppm	1.2214 ppm	0.0043 ppm	0.3619 ppm	0.0360 ppm	0.0650 ppm	-0.0066 ppm
Concentration per Run 1	12.9941 ppm	1.2150 ppm	0.0048 ppm	0.3628 ppm	0.0364 ppm	0.0652 ppm	-0.0055 ppm
Concentration per Run 2	12.9780 ppm	1.2269 ppm	0.0040 ppm	0.3592 ppm	0.0352 ppm	0.0657 ppm	-0.0068 ppm
Concentration per Run 3	12.9836 ppm	1.2223 ppm	0.0041 ppm	0.3636 ppm	0.0363 ppm	0.0641 ppm	-0.0074 ppm
Concentration RSD	0.1 %	0.5 %	9.9 %	0.6 %	1.9 %	1.3 %	14.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	3.6225 ppm	0.0096 ppm	0.0213 ppm	5.2672 ppm	-0.0099 ppm	0.1692 ppm
Concentration per Run 1	0.0028 ppm	3.6270 ppm	0.0098 ppm	0.0212 ppm	5.2732 ppm	-0.0129 ppm	0.1698 ppm
Concentration per Run 2	0.0019 ppm	3.6367 ppm	0.0115 ppm	0.0213 ppm	5.2656 ppm	-0.0100 ppm	0.1688 ppm
Concentration per Run 3	0.0017 ppm	3.6039 ppm	0.0076 ppm	0.0214 ppm	5.2627 ppm	-0.0068 ppm	0.1689 ppm
Concentration RSD	28.1 %	0.5 %	20.5 %	0.7 %	0.1 %	30.9 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1442 ppm	116.1444 %	119.1523 %	115.3353 %	101.9697 %	103.0490 %	103.7304 %
Concentration per Run 1	0.1445 ppm	116.5340 %	118.9778 %	115.4584 %	102.5355 %	103.0472 %	103.4959 %
Concentration per Run 2	0.1443 ppm	115.8934 %	119.2220 %	115.1835 %	101.5234 %	102.6858 %	103.8831 %
Concentration per Run 3	0.1438 ppm	116.0057 %	119.2572 %	115.3642 %	101.8501 %	103.4142 %	103.8122 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	0.5 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511770-01D2 WG2037857
Analysis started at: 3/10/2025 18:01:39
Comments <Comment>
Rack: 1
Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0013 ppm	127.7998 ppm	0.0428 ppm	0.0113 ppm	0.8810 ppm	0.0057 ppm	28.4005 ppm
Concentration per Run 1	0.0014 ppm	126.8030 ppm	0.0415 ppm	0.0114 ppm	0.8770 ppm	0.0057 ppm	28.3387 ppm
Concentration per Run 2	0.0015 ppm	129.0740 ppm	0.0442 ppm	0.0108 ppm	0.8816 ppm	0.0057 ppm	28.4904 ppm
Concentration per Run 3	0.0011 ppm	127.5225 ppm	0.0427 ppm	0.0118 ppm	0.8844 ppm	0.0057 ppm	28.3724 ppm
Concentration RSD	16.8 %	0.9 %	3.1 %	4.5 %	0.4 %	0.6 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0569 ppm	0.1631 ppm	0.2312 ppm	160.4852 ppm	5.3468 ppm	0.1275 ppm
Concentration per Run 1	-0.0007 ppm	0.0569 ppm	0.1634 ppm	0.2317 ppm	159.3635 ppm	5.3067 ppm	0.1266 ppm
Concentration per Run 2	-0.0006 ppm	0.0572 ppm	0.1635 ppm	0.2312 ppm	161.2154 ppm	5.3656 ppm	0.1270 ppm
Concentration per Run 3	-0.0007 ppm	0.0565 ppm	0.1625 ppm	0.2307 ppm	160.8765 ppm	5.3680 ppm	0.1288 ppm
Concentration RSD	6.5 %	0.6 %	0.3 %	0.2 %	0.6 %	0.6 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	30.4795 ppm	4.1970 ppm	0.0059 ppm	0.8372 ppm	0.1113 ppm	1.4769 ppm	-0.0100 ppm
Concentration per Run 1	30.4752 ppm	4.1867 ppm	0.0060 ppm	0.8348 ppm	0.1121 ppm	1.4835 ppm	-0.0104 ppm
Concentration per Run 2	30.4630 ppm	4.2055 ppm	0.0056 ppm	0.8360 ppm	0.1114 ppm	1.4735 ppm	-0.0108 ppm
Concentration per Run 3	30.5003 ppm	4.1988 ppm	0.0059 ppm	0.8407 ppm	0.1105 ppm	1.4736 ppm	-0.0088 ppm
Concentration RSD	0.1 %	0.2 %	3.2 %	0.4 %	0.7 %	0.4 %	10.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0036 ppm	2.1039 ppm	0.0366 ppm	0.1525 ppm	4.1211 ppm	-0.0072 ppm	0.2591 ppm
Concentration per Run 1	0.0020 ppm	2.1122 ppm	0.0372 ppm	0.1519 ppm	4.1204 ppm	-0.0082 ppm	0.2599 ppm
Concentration per Run 2	0.0049 ppm	2.0987 ppm	0.0367 ppm	0.1525 ppm	4.1220 ppm	-0.0064 ppm	0.2587 ppm
Concentration per Run 3	0.0039 ppm	2.1010 ppm	0.0360 ppm	0.1531 ppm	4.1209 ppm	-0.0071 ppm	0.2587 ppm
Concentration RSD	40.7 %	0.3 %	1.7 %	0.4 %	0.0 %	12.1 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0183 ppm	120.3891 %	122.9887 %	118.6962 %	101.7303 %	102.9884 %	103.0309 %
Concentration per Run 1	1.0215 ppm	120.5498 %	123.1189 %	118.8959 %	102.1001 %	102.5983 %	103.0316 %
Concentration per Run 2	1.0183 ppm	119.7119 %	122.9295 %	118.5357 %	101.0925 %	103.1297 %	103.0344 %
Concentration per Run 3	1.0152 ppm	120.9056 %	122.9178 %	118.6570 %	101.9984 %	103.2371 %	103.0267 %
Concentration RSD	0.3 %	0.5 %	0.1 %	0.2 %	0.5 %	0.3 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511770-02D2 WG2037857
Analysis started at: 3/10/2025 18:06:55
Comments <Comment>
Rack: 1
Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	93.0588 ppm	0.0325 ppm	0.0020 ppm	0.2048 ppm	0.0031 ppm	10.1472 ppm
Concentration per Run 1	0.0003 ppm	92.7019 ppm	0.0322 ppm	0.0021 ppm	0.2037 ppm	0.0031 ppm	10.1191 ppm
Concentration per Run 2	-0.0001 ppm	93.3400 ppm	0.0311 ppm	0.0017 ppm	0.2051 ppm	0.0031 ppm	10.1863 ppm
Concentration per Run 3	0.0000 ppm	93.1345 ppm	0.0342 ppm	0.0022 ppm	0.2055 ppm	0.0031 ppm	10.1362 ppm
Concentration RSD	872.5 %	0.4 %	4.8 %	11.7 %	0.5 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0010 ppm	0.0488 ppm	0.1085 ppm	0.1117 ppm	122.0708 ppm	3.9823 ppm	0.0916 ppm
Concentration per Run 1	-0.0010 ppm	0.0490 ppm	0.1086 ppm	0.1119 ppm	121.5699 ppm	3.9641 ppm	0.0916 ppm
Concentration per Run 2	-0.0011 ppm	0.0486 ppm	0.1082 ppm	0.1121 ppm	122.4479 ppm	3.9887 ppm	0.0925 ppm
Concentration per Run 3	-0.0011 ppm	0.0488 ppm	0.1086 ppm	0.1113 ppm	122.1945 ppm	3.9940 ppm	0.0908 ppm
Concentration RSD	3.1 %	0.4 %	0.2 %	0.4 %	0.4 %	0.4 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	23.5848 ppm	1.6756 ppm	0.0027 ppm	0.8509 ppm	0.0837 ppm	0.0549 ppm	-0.0071 ppm
Concentration per Run 1	23.5555 ppm	1.6703 ppm	0.0026 ppm	0.8448 ppm	0.0837 ppm	0.0541 ppm	-0.0076 ppm
Concentration per Run 2	23.5983 ppm	1.6816 ppm	0.0029 ppm	0.8536 ppm	0.0827 ppm	0.0567 ppm	-0.0069 ppm
Concentration per Run 3	23.6007 ppm	1.6749 ppm	0.0025 ppm	0.8541 ppm	0.0848 ppm	0.0540 ppm	-0.0068 ppm
Concentration RSD	0.1 %	0.3 %	8.9 %	0.6 %	1.2 %	2.8 %	6.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.2778 ppm	0.0059 ppm	0.0471 ppm	3.7773 ppm	-0.0052 ppm	0.1900 ppm
Concentration per Run 1	0.0000 ppm	3.2738 ppm	0.0064 ppm	0.0468 ppm	3.7763 ppm	-0.0047 ppm	0.1901 ppm
Concentration per Run 2	0.0015 ppm	3.2729 ppm	0.0055 ppm	0.0472 ppm	3.7793 ppm	-0.0064 ppm	0.1901 ppm
Concentration per Run 3	-0.0004 ppm	3.2868 ppm	0.0059 ppm	0.0473 ppm	3.7763 ppm	-0.0044 ppm	0.1898 ppm
Concentration RSD	261.8 %	0.2 %	7.7 %	0.5 %	0.0 %	20.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1940 ppm	116.5775 %	120.1464 %	117.0867 %	101.7490 %	104.7491 %	104.0140 %
Concentration per Run 1	0.1935 ppm	116.6551 %	120.3593 %	117.2523 %	101.8903 %	104.9792 %	104.1428 %
Concentration per Run 2	0.1938 ppm	116.2755 %	120.1405 %	116.9575 %	101.5321 %	104.8758 %	104.0540 %
Concentration per Run 3	0.1947 ppm	116.8021 %	119.9394 %	117.0502 %	101.8245 %	104.3923 %	103.8454 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511826-02D2 WG2037857
Analysis started at: 3/10/2025 18:12:07
Comments <Comment>
Rack: 1
Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0017 ppm	60.3683 ppm	0.1478 ppm	0.0253 ppm	3.0522 ppm	0.0044 ppm	29.0935 ppm
Concentration per Run 1	0.0017 ppm	60.3078 ppm	0.1488 ppm	0.0256 ppm	3.0393 ppm	0.0044 ppm	29.0412 ppm
Concentration per Run 2	0.0018 ppm	60.5707 ppm	0.1443 ppm	0.0254 ppm	3.0639 ppm	0.0043 ppm	29.1683 ppm
Concentration per Run 3	0.0014 ppm	60.2266 ppm	0.1504 ppm	0.0248 ppm	3.0535 ppm	0.0044 ppm	29.0709 ppm
Concentration RSD	12.2 %	0.3 %	2.1 %	1.5 %	0.4 %	0.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0049 ppm	0.0421 ppm	0.1285 ppm	0.7108 ppm	187.3132 ppm	4.0246 ppm	0.0989 ppm
Concentration per Run 1	0.0048 ppm	0.0418 ppm	0.1281 ppm	0.7103 ppm	186.5498 ppm	4.0145 ppm	0.0995 ppm
Concentration per Run 2	0.0049 ppm	0.0423 ppm	0.1284 ppm	0.7113 ppm	187.2980 ppm	4.0365 ppm	0.0981 ppm
Concentration per Run 3	0.0050 ppm	0.0422 ppm	0.1290 ppm	0.7108 ppm	188.0917 ppm	4.0227 ppm	0.0991 ppm
Concentration RSD	1.3 %	0.6 %	0.4 %	0.1 %	0.4 %	0.3 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.8281 ppm	2.5700 ppm	0.0101 ppm	1.7734 ppm	0.1094 ppm	8.2973 ppm	-0.0036 ppm
Concentration per Run 1	17.8272 ppm	2.5695 ppm	0.0102 ppm	1.7699 ppm	0.1085 ppm	8.2795 ppm	-0.0033 ppm
Concentration per Run 2	17.7924 ppm	2.5789 ppm	0.0099 ppm	1.7866 ppm	0.1095 ppm	8.2794 ppm	-0.0040 ppm
Concentration per Run 3	17.8649 ppm	2.5616 ppm	0.0103 ppm	1.7637 ppm	0.1102 ppm	8.3330 ppm	-0.0036 ppm
Concentration RSD	0.2 %	0.3 %	1.8 %	0.7 %	0.8 %	0.4 %	8.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0063 ppm	1.4918 ppm	0.2831 ppm	1.0180 ppm	2.1331 ppm	-0.0066 ppm	0.1857 ppm
Concentration per Run 1	0.0059 ppm	1.4879 ppm	0.2835 ppm	1.0162 ppm	2.1332 ppm	-0.0068 ppm	0.1853 ppm
Concentration per Run 2	0.0063 ppm	1.4893 ppm	0.2820 ppm	1.0207 ppm	2.1318 ppm	-0.0047 ppm	0.1857 ppm
Concentration per Run 3	0.0068 ppm	1.4982 ppm	0.2837 ppm	1.0173 ppm	2.1342 ppm	-0.0083 ppm	0.1859 ppm
Concentration RSD	7.5 %	0.4 %	0.3 %	0.2 %	0.1 %	27.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	6.0502 ppm	115.1960 %	117.8221 %	113.4053 %	102.8577 %	104.9172 %	104.0489 %
Concentration per Run 1	6.0347 ppm	115.5169 %	117.6076 %	113.2168 %	103.1077 %	105.0741 %	103.9759 %
Concentration per Run 2	6.0367 ppm	114.8871 %	117.9512 %	113.8212 %	102.5538 %	105.2386 %	104.1047 %
Concentration per Run 3	6.0791 ppm	115.1840 %	117.9075 %	113.1778 %	102.9115 %	104.4389 %	104.0660 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.3 %	0.3 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511882-01D2 WG2037857
Analysis started at: 3/10/2025 18:17:23
Comments <Comment>
Rack: 1
Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0029 ppm	89.4218 ppm	0.0540 ppm	0.0185 ppm	0.9039 ppm	0.0034 ppm	104.4682 ppm
Concentration per Run 1	0.0029 ppm	89.0565 ppm	0.0536 ppm	0.0187 ppm	0.8998 ppm	0.0034 ppm	103.9883 ppm
Concentration per Run 2	0.0028 ppm	89.4491 ppm	0.0533 ppm	0.0180 ppm	0.9042 ppm	0.0034 ppm	104.5373 ppm
Concentration per Run 3	0.0028 ppm	89.7596 ppm	0.0552 ppm	0.0186 ppm	0.9078 ppm	0.0034 ppm	104.8791 ppm
Concentration RSD	1.8 %	0.4 %	1.9 %	2.0 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.1064 ppm	0.1166 ppm	0.4887 ppm	164.0858 ppm	9.2714 ppm	0.1492 ppm
Concentration per Run 1	-0.0001 ppm	0.1060 ppm	0.1170 ppm	0.4887 ppm	162.0809 ppm	9.2282 ppm	0.1493 ppm
Concentration per Run 2	-0.0002 ppm	0.1066 ppm	0.1168 ppm	0.4900 ppm	164.6072 ppm	9.2613 ppm	0.1482 ppm
Concentration per Run 3	-0.0001 ppm	0.1067 ppm	0.1161 ppm	0.4874 ppm	165.5693 ppm	9.3247 ppm	0.1499 ppm
Concentration RSD	37.8 %	0.3 %	0.4 %	0.3 %	1.1 %	0.5 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	45.2325 ppm	4.0981 ppm	0.0047 ppm	3.6939 ppm	0.1154 ppm	2.7976 ppm	-0.0045 ppm
Concentration per Run 1	45.3066 ppm	4.0829 ppm	0.0045 ppm	3.6743 ppm	0.1156 ppm	2.7980 ppm	-0.0043 ppm
Concentration per Run 2	45.3180 ppm	4.1015 ppm	0.0052 ppm	3.6957 ppm	0.1146 ppm	2.7971 ppm	-0.0040 ppm
Concentration per Run 3	45.0727 ppm	4.1100 ppm	0.0045 ppm	3.7117 ppm	0.1159 ppm	2.7976 ppm	-0.0054 ppm
Concentration RSD	0.3 %	0.3 %	8.4 %	0.5 %	0.6 %	0.0 %	16.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	1.7906 ppm	0.2175 ppm	0.3114 ppm	3.4073 ppm	-0.0015 ppm	0.2285 ppm
Concentration per Run 1	0.0047 ppm	1.7896 ppm	0.2186 ppm	0.3098 ppm	3.4079 ppm	-0.0013 ppm	0.2287 ppm
Concentration per Run 2	0.0030 ppm	1.7906 ppm	0.2164 ppm	0.3115 ppm	3.4155 ppm	0.0011 ppm	0.2287 ppm
Concentration per Run 3	0.0023 ppm	1.7916 ppm	0.2175 ppm	0.3129 ppm	3.3987 ppm	-0.0044 ppm	0.2279 ppm
Concentration RSD	36.9 %	0.1 %	0.5 %	0.5 %	0.2 %	183.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0682 ppm	118.3599 %	120.2389 %	118.0582 %	101.4699 %	104.2230 %	102.1316 %
Concentration per Run 1	1.0689 ppm	118.4349 %	120.2320 %	118.1023 %	101.7358 %	104.1942 %	102.0587 %
Concentration per Run 2	1.0679 ppm	118.2183 %	120.1296 %	118.2353 %	101.5150 %	104.2175 %	101.9900 %
Concentration per Run 3	1.0678 ppm	118.4263 %	120.3550 %	117.8370 %	101.1589 %	104.2573 %	102.3461 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.2 %	0.3 %	0.0 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 18:22:32
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4966 ppm	0.5355 ppm	0.4851 ppm	0.4715 ppm	0.5042 ppm	0.5128 ppm	0.5387 ppm
Concentration per Run 1	0.4989 ppm	0.5353 ppm	0.4854 ppm	0.4708 ppm	0.4986 ppm	0.5075 ppm	0.5336 ppm
Concentration per Run 2	0.4959 ppm	0.5344 ppm	0.4842 ppm	0.4723 ppm	0.5060 ppm	0.5150 ppm	0.5405 ppm
Concentration per Run 3	0.4948 ppm	0.5369 ppm	0.4856 ppm	0.4713 ppm	0.5081 ppm	0.5157 ppm	0.5419 ppm
Recovery Percentage 1	99.312 %	107.104 %	97.016 %	94.297 %	100.845 %	102.554 %	107.734 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	1.0 %	0.9 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4751 ppm	0.4735 ppm	0.5156 ppm	0.4810 ppm	0.5534 ppm	5.3754 ppm	0.5273 ppm
Concentration per Run 1	0.4751 ppm	0.4732 ppm	0.5172 ppm	0.4828 ppm	0.5515 ppm	5.2985 ppm	0.5215 ppm
Concentration per Run 2	0.4746 ppm	0.4732 ppm	0.5158 ppm	0.4806 ppm	0.5546 ppm	5.4210 ppm	0.5284 ppm
Concentration per Run 3	0.4756 ppm	0.4741 ppm	0.5140 ppm	0.4798 ppm	0.5542 ppm	5.4067 ppm	0.5320 ppm
Recovery Percentage 1	95.022 %	94.696 %	103.125 %	96.209 %	110.685 %	107.508 %	105.459 %
Concentration RSD	0.1 %	0.1 %	0.3 %	0.3 %	0.3 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5244 ppm	0.5069 ppm	0.4802 ppm	10.5911 ppm	0.4797 ppm	0.4720 ppm	0.4901 ppm
Concentration per Run 1	0.5193 ppm	0.5013 ppm	0.4806 ppm	10.4787 ppm	0.4803 ppm	0.4743 ppm	0.4891 ppm
Concentration per Run 2	0.5220 ppm	0.5095 ppm	0.4799 ppm	10.6275 ppm	0.4790 ppm	0.4718 ppm	0.4914 ppm
Concentration per Run 3	0.5320 ppm	0.5100 ppm	0.4802 ppm	10.6672 ppm	0.4798 ppm	0.4699 ppm	0.4899 ppm
Recovery Percentage 1	104.883 %	101.386 %	96.043 %	105.911 %	95.944 %	94.404 %	98.021 %
Concentration RSD	1.3 %	1.0 %	0.1 %	0.9 %	0.1 %	0.5 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4803 ppm	5.5380 ppm	0.4958 ppm	0.5139 ppm	0.5152 ppm	0.4563 ppm	0.4967 ppm
Concentration per Run 1	0.4805 ppm	5.5399 ppm	0.4957 ppm	0.5078 ppm	0.5168 ppm	0.4565 ppm	0.4985 ppm
Concentration per Run 2	0.4797 ppm	5.5329 ppm	0.4960 ppm	0.5157 ppm	0.5145 ppm	0.4572 ppm	0.4971 ppm
Concentration per Run 3	0.4806 ppm	5.5411 ppm	0.4957 ppm	0.5183 ppm	0.5143 ppm	0.4552 ppm	0.4947 ppm
Recovery Percentage 1	96.054 %	105.485 %	99.165 %	102.782 %	103.041 %	91.257 %	99.348 %
Concentration RSD	0.1 %	0.1 %	0.0 %	1.1 %	0.3 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4920 ppm	102.5395 %	106.0855 %	104.7470 %	100.0991 %	105.8150 %	102.8929 %
Concentration per Run 1	0.4917 ppm	103.3075 %	105.7327 %	104.6035 %	100.8130 %	105.9148 %	102.5159 %
Concentration per Run 2	0.4918 ppm	102.3388 %	106.2862 %	104.8634 %	99.9098 %	105.9304 %	103.1345 %
Concentration per Run 3	0.4925 ppm	101.9721 %	106.2375 %	104.7741 %	99.5745 %	105.5997 %	103.0283 %
Recovery Percentage 1	98.399 %						
Concentration RSD	0.1 %	0.7 %	0.3 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 18:27:26
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0096 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0114 ppm
Concentration per Run 1	0.0005 ppm	0.0099 ppm	-0.0005 ppm	0.0005 ppm	0.0004 ppm	0.0002 ppm	0.0114 ppm
Concentration per Run 2	0.0006 ppm	0.0119 ppm	-0.0012 ppm	0.0006 ppm	0.0004 ppm	0.0002 ppm	0.0113 ppm
Concentration per Run 3	0.0007 ppm	0.0070 ppm	0.0014 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0114 ppm
Recovery Percentage 1	12.067 %	9.584 %	-2.320 %	1.087 %	3.737 %	4.018 %	11.363 %
Concentration RSD	18.2 %	25.8 %	1,180.8 %	106.0 %	14.7 %	13.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0150 ppm	0.0160 ppm	0.0006 ppm
Concentration per Run 1	0.0005 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0158 ppm	0.0195 ppm	0.0010 ppm
Concentration per Run 2	0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0004 ppm	0.0147 ppm	0.0191 ppm	0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm	0.0145 ppm	0.0093 ppm	0.0007 ppm
Recovery Percentage 1	8.707 %	1.657 %	2.019 %	2.261 %	30.022 %	0.639 %	6.317 %
Concentration RSD	41.1 %	30.4 %	60.4 %	66.0 %	4.8 %	36.3 %	68.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0076 ppm	0.0006 ppm	0.0003 ppm	0.0067 ppm	0.0002 ppm	-0.0010 ppm	0.0014 ppm
Concentration per Run 1	0.0063 ppm	0.0006 ppm	0.0003 ppm	0.0068 ppm	0.0005 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 2	0.0089 ppm	0.0005 ppm	0.0003 ppm	0.0065 ppm	-0.0002 ppm	-0.0020 ppm	0.0012 ppm
Concentration per Run 3	0.0076 ppm	0.0006 ppm	0.0002 ppm	0.0068 ppm	0.0003 ppm	-0.0009 ppm	0.0010 ppm
Recovery Percentage 1	7.602 %	5.641 %	0.564 %	0.335 %	0.892 %	-9.793 %	2.861 %
Concentration RSD	16.8 %	9.5 %	23.2 %	3.1 %	166.2 %	105.2 %	41.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0069 ppm	0.0009 ppm	0.0002 ppm	0.0008 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 1	-0.0002 ppm	0.0079 ppm	0.0012 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0006 ppm	0.0066 ppm	0.0009 ppm	0.0002 ppm	0.0009 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 3	-0.0004 ppm	0.0063 ppm	0.0006 ppm	0.0003 ppm	0.0008 ppm	0.0011 ppm	0.0003 ppm
Recovery Percentage 1	-0.141 %	1.387 %	1.809 %	2.464 %	7.940 %	1.329 %	4.151 %
Concentration RSD	3,513.1 %	12.8 %	33.8 %	6.4 %	9.8 %	300.2 %	32.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	102.6334 %	106.1714 %	104.7554 %	99.2055 %	106.2668 %	102.1105 %
Concentration per Run 1	0.0004 ppm	103.3906 %	106.7914 %	104.5669 %	100.3824 %	106.1993 %	102.6915 %
Concentration per Run 2	0.0001 ppm	102.1078 %	106.2722 %	104.8303 %	98.3318 %	106.6153 %	102.2110 %
Concentration per Run 3	0.0001 ppm	102.4018 %	105.4507 %	104.8691 %	98.9022 %	105.9858 %	101.4290 %
Recovery Percentage 1	3.762 %						
Concentration RSD	82.9 %	0.7 %	0.6 %	0.2 %	1.1 %	0.3 %	0.6 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 18:34:24
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4884 ppm	0.5240 ppm	0.4871 ppm	0.4751 ppm	0.4993 ppm	0.5074 ppm	0.5248 ppm
Concentration per Run 1	0.4895 ppm	0.5105 ppm	0.4873 ppm	0.4750 ppm	0.4922 ppm	0.5006 ppm	0.5207 ppm
Concentration per Run 2	0.4879 ppm	0.5284 ppm	0.4862 ppm	0.4757 ppm	0.5023 ppm	0.5105 ppm	0.5267 ppm
Concentration per Run 3	0.4876 ppm	0.5332 ppm	0.4878 ppm	0.4745 ppm	0.5034 ppm	0.5111 ppm	0.5272 ppm
Recovery Percentage 1	97.672 %	104.806 %	97.416 %	95.019 %	99.856 %	101.482 %	104.965 %
Concentration RSD	0.2 %	2.3 %	0.2 %	0.1 %	1.2 %	1.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4841 ppm	0.4803 ppm	0.5080 ppm	0.4804 ppm	0.5293 ppm	5.3104 ppm	0.5188 ppm
Concentration per Run 1	0.4853 ppm	0.4811 ppm	0.5096 ppm	0.4793 ppm	0.5244 ppm	5.2399 ppm	0.5098 ppm
Concentration per Run 2	0.4853 ppm	0.4812 ppm	0.5075 ppm	0.4812 ppm	0.5301 ppm	5.3460 ppm	0.5226 ppm
Concentration per Run 3	0.4818 ppm	0.4787 ppm	0.5068 ppm	0.4808 ppm	0.5335 ppm	5.3454 ppm	0.5239 ppm
Recovery Percentage 1	96.827 %	96.068 %	101.593 %	96.083 %	105.864 %	106.209 %	103.757 %
Concentration RSD	0.4 %	0.3 %	0.3 %	0.2 %	0.9 %	1.1 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5140 ppm	0.5011 ppm	0.4803 ppm	10.4350 ppm	0.4828 ppm	0.4760 ppm	0.4946 ppm
Concentration per Run 1	0.5146 ppm	0.4956 ppm	0.4808 ppm	10.2993 ppm	0.4840 ppm	0.4765 ppm	0.4964 ppm
Concentration per Run 2	0.5113 ppm	0.5049 ppm	0.4807 ppm	10.4734 ppm	0.4835 ppm	0.4782 ppm	0.4954 ppm
Concentration per Run 3	0.5161 ppm	0.5029 ppm	0.4794 ppm	10.5323 ppm	0.4809 ppm	0.4733 ppm	0.4921 ppm
Recovery Percentage 1	102.799 %	100.229 %	96.059 %	104.350 %	96.560 %	95.192 %	98.929 %
Concentration RSD	0.5 %	1.0 %	0.2 %	1.2 %	0.3 %	0.5 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4812 ppm	5.5709 ppm	0.4992 ppm	0.5090 ppm	0.5076 ppm	0.4614 ppm	0.4926 ppm
Concentration per Run 1	0.4796 ppm	5.5784 ppm	0.5015 ppm	0.5016 ppm	0.5073 ppm	0.4626 ppm	0.4930 ppm
Concentration per Run 2	0.4840 ppm	5.5738 ppm	0.5010 ppm	0.5118 ppm	0.5079 ppm	0.4587 ppm	0.4927 ppm
Concentration per Run 3	0.4800 ppm	5.5605 ppm	0.4951 ppm	0.5136 ppm	0.5076 ppm	0.4630 ppm	0.4920 ppm
Recovery Percentage 1	96.233 %	106.112 %	99.841 %	101.801 %	101.521 %	92.288 %	98.513 %
Concentration RSD	0.5 %	0.2 %	0.7 %	1.3 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4965 ppm	102.6599 %	105.9478 %	105.1340 %	101.2270 %	105.2808 %	104.1658 %
Concentration per Run 1	0.4979 ppm	103.2162 %	105.9746 %	105.6323 %	101.8628 %	105.2636 %	104.0582 %
Concentration per Run 2	0.4982 ppm	102.1593 %	105.8728 %	104.8994 %	100.7572 %	105.1357 %	104.1015 %
Concentration per Run 3	0.4934 ppm	102.6042 %	105.9961 %	104.8702 %	101.0611 %	105.4431 %	104.3377 %
Recovery Percentage 1	99.303 %						
Concentration RSD	0.5 %	0.5 %	0.1 %	0.4 %	0.6 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 18:39:17
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0057 ppm	0.0005 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0070 ppm
Concentration per Run 1	0.0004 ppm	0.0073 ppm	0.0010 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0091 ppm
Concentration per Run 2	0.0002 ppm	0.0020 ppm	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0055 ppm
Concentration per Run 3	0.0004 ppm	0.0079 ppm	0.0009 ppm	0.0005 ppm	0.0003 ppm	0.0002 ppm	0.0065 ppm
Recovery Percentage 1	7.345 %	5.746 %	10.599 %	1.393 %	2.917 %	4.438 %	7.017 %
Concentration RSD	28.6 %	56.2 %	141.4 %	26.6 %	23.5 %	6.2 %	26.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0091 ppm	0.0136 ppm	0.0011 ppm
Concentration per Run 1	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0093 ppm	0.0080 ppm	0.0013 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0087 ppm	0.0201 ppm	0.0009 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0093 ppm	0.0127 ppm	0.0011 ppm
Recovery Percentage 1	8.437 %	1.021 %	0.517 %	2.251 %	18.222 %	0.545 %	10.934 %
Concentration RSD	35.8 %	59.8 %	231.0 %	82.0 %	4.2 %	44.8 %	19.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0041 ppm	0.0006 ppm	0.0005 ppm	0.0061 ppm	0.0005 ppm	-0.0004 ppm	0.0011 ppm
Concentration per Run 1	0.0027 ppm	0.0005 ppm	0.0007 ppm	0.0071 ppm	0.0006 ppm	-0.0016 ppm	0.0018 ppm
Concentration per Run 2	0.0045 ppm	0.0006 ppm	0.0005 ppm	0.0041 ppm	0.0002 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0051 ppm	0.0006 ppm	0.0005 ppm	0.0070 ppm	0.0006 ppm	0.0003 ppm	0.0021 ppm
Recovery Percentage 1	4.113 %	5.789 %	1.093 %	0.303 %	1.812 %	-4.191 %	2.180 %
Concentration RSD	30.3 %	9.5 %	16.6 %	28.2 %	48.8 %	240.2 %	137.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0063 ppm	0.0012 ppm	0.0003 ppm	0.0005 ppm	0.0012 ppm	0.0005 ppm
Concentration per Run 1	0.0010 ppm	0.0058 ppm	0.0020 ppm	0.0003 ppm	0.0003 ppm	0.0017 ppm	0.0002 ppm
Concentration per Run 2	-0.0008 ppm	0.0076 ppm	0.0006 ppm	0.0003 ppm	0.0006 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run 3	0.0010 ppm	0.0057 ppm	0.0009 ppm	0.0003 ppm	0.0005 ppm	0.0022 ppm	0.0006 ppm
Recovery Percentage 1	3.952 %	1.269 %	2.324 %	2.783 %	4.664 %	6.022 %	4.999 %
Concentration RSD	260.4 %	16.5 %	63.0 %	5.0 %	37.1 %	112.8 %	45.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	102.5422 %	106.0203 %	105.0255 %	99.8523 %	105.8972 %	103.0212 %
Concentration per Run 1	0.0001 ppm	103.0546 %	106.1632 %	104.9956 %	100.6628 %	106.2294 %	103.2044 %
Concentration per Run 2	0.0001 ppm	101.7601 %	106.1743 %	104.9408 %	99.0890 %	106.1251 %	103.1177 %
Concentration per Run 3	-0.0001 ppm	102.8118 %	105.7235 %	105.1400 %	99.8052 %	105.3372 %	102.7415 %
Recovery Percentage 1	0.709 %						
Concentration RSD	252.3 %	0.7 %	0.2 %	0.1 %	0.8 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037096-3 WG2037096 Q1 Soil LOQ
Analysis started at: 3/10/2025 18:44:28
Comments <Comment>
Rack: 2
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0068 ppm	0.0084 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0493 ppm
Concentration per Run 1	0.0003 ppm	0.0097 ppm	0.0078 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0488 ppm
Concentration per Run 2	0.0001 ppm	0.0056 ppm	0.0097 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0480 ppm
Concentration per Run 3	-0.0001 ppm	0.0052 ppm	0.0076 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0512 ppm
Concentration RSD	159.7 %	36.3 %	13.9 %	12.0 %	50.1 %	105.0 %	3.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.0180 ppm	0.0119 ppm	0.0015 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0009 ppm	0.0188 ppm	0.0170 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0170 ppm	0.0128 ppm	0.0018 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	-0.0004 ppm	0.0011 ppm	0.0183 ppm	0.0060 ppm	0.0016 ppm
Concentration RSD	156.5 %	82.3 %	147.2 %	11.1 %	5.0 %	46.9 %	18.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0061 ppm	0.0007 ppm	0.0008 ppm	0.0169 ppm	-0.0012 ppm	-0.0011 ppm	0.0018 ppm
Concentration per Run 1	0.0045 ppm	0.0007 ppm	0.0008 ppm	0.0175 ppm	-0.0016 ppm	-0.0019 ppm	0.0037 ppm
Concentration per Run 2	0.0069 ppm	0.0006 ppm	0.0006 ppm	0.0169 ppm	-0.0011 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0067 ppm	0.0008 ppm	0.0010 ppm	0.0163 ppm	-0.0010 ppm	-0.0014 ppm	0.0015 ppm
Concentration RSD	21.6 %	15.8 %	24.5 %	3.6 %	25.0 %	90.7 %	97.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	0.0192 ppm	0.0120 ppm	0.0002 ppm	0.0002 ppm	-0.0103 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	0.0184 ppm	0.0119 ppm	0.0002 ppm	0.0002 ppm	-0.0094 ppm	0.0000 ppm
Concentration per Run 2	0.0006 ppm	0.0196 ppm	0.0125 ppm	0.0001 ppm	0.0002 ppm	-0.0095 ppm	0.0001 ppm
Concentration per Run 3	0.0010 ppm	0.0197 ppm	0.0115 ppm	0.0002 ppm	0.0002 ppm	-0.0121 ppm	-0.0001 ppm
Concentration RSD	222.4 %	3.9 %	3.9 %	19.9 %	18.4 %	14.4 %	745.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0509 ppm	101.8632 %	105.1325 %	103.0787 %	100.0177 %	100.8601 %	103.1901 %
Concentration per Run 1	0.0504 ppm	102.8823 %	105.3444 %	103.2158 %	100.9816 %	101.5879 %	103.4322 %
Concentration per Run 2	0.0510 ppm	101.1564 %	104.8152 %	102.9224 %	99.4482 %	100.4331 %	102.8227 %
Concentration per Run 3	0.0512 ppm	101.5509 %	105.2378 %	103.0977 %	99.6233 %	100.5594 %	103.3155 %
Concentration RSD	0.8 %	0.9 %	0.3 %	0.1 %	0.8 %	0.6 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511892-01D2 WG2037857
Analysis started at: 3/10/2025 18:49:40
Comments <Comment>
Rack: 1
Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0015 ppm	76.3892 ppm	0.0665 ppm	0.0212 ppm	1.2772 ppm	0.0037 ppm	115.8648 ppm
Concentration per Run 1	0.0014 ppm	75.9611 ppm	0.0658 ppm	0.0213 ppm	1.2691 ppm	0.0036 ppm	115.3479 ppm
Concentration per Run 2	0.0015 ppm	76.6497 ppm	0.0673 ppm	0.0210 ppm	1.2820 ppm	0.0037 ppm	116.2744 ppm
Concentration per Run 3	0.0015 ppm	76.5567 ppm	0.0664 ppm	0.0212 ppm	1.2806 ppm	0.0037 ppm	115.9721 ppm
Concentration RSD	3.5 %	0.5 %	1.1 %	0.8 %	0.6 %	1.2 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0062 ppm	0.0623 ppm	0.1463 ppm	0.5644 ppm	153.5532 ppm	6.5693 ppm	0.0973 ppm
Concentration per Run 1	0.0063 ppm	0.0623 ppm	0.1466 ppm	0.5649 ppm	151.9277 ppm	6.5321 ppm	0.0962 ppm
Concentration per Run 2	0.0061 ppm	0.0621 ppm	0.1465 ppm	0.5635 ppm	154.3907 ppm	6.5792 ppm	0.0975 ppm
Concentration per Run 3	0.0062 ppm	0.0626 ppm	0.1457 ppm	0.5648 ppm	154.3414 ppm	6.5966 ppm	0.0982 ppm
Concentration RSD	1.1 %	0.4 %	0.3 %	0.1 %	0.9 %	0.5 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	31.6860 ppm	3.5087 ppm	0.0065 ppm	1.0600 ppm	0.1697 ppm	5.7181 ppm	-0.0047 ppm
Concentration per Run 1	31.7966 ppm	3.4851 ppm	0.0070 ppm	1.0541 ppm	0.1684 ppm	5.6854 ppm	-0.0021 ppm
Concentration per Run 2	31.6736 ppm	3.5250 ppm	0.0062 ppm	1.0601 ppm	0.1704 ppm	5.7206 ppm	-0.0055 ppm
Concentration per Run 3	31.5877 ppm	3.5159 ppm	0.0064 ppm	1.0656 ppm	0.1703 ppm	5.7482 ppm	-0.0064 ppm
Concentration RSD	0.3 %	0.6 %	6.1 %	0.5 %	0.7 %	0.6 %	49.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0040 ppm	1.7925 ppm	0.1186 ppm	0.3794 ppm	2.9261 ppm	-0.0037 ppm	0.2867 ppm
Concentration per Run 1	0.0043 ppm	1.7842 ppm	0.1186 ppm	0.3772 ppm	2.9339 ppm	-0.0036 ppm	0.2872 ppm
Concentration per Run 2	0.0038 ppm	1.7893 ppm	0.1182 ppm	0.3810 ppm	2.9236 ppm	-0.0021 ppm	0.2871 ppm
Concentration per Run 3	0.0040 ppm	1.8040 ppm	0.1190 ppm	0.3801 ppm	2.9208 ppm	-0.0055 ppm	0.2859 ppm
Concentration RSD	6.2 %	0.6 %	0.3 %	0.5 %	0.2 %	45.5 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.8583 ppm	117.2966 %	118.2496 %	115.6111 %	103.0417 %	100.3177 %	103.2658 %
Concentration per Run 1	2.8441 ppm	117.5061 %	118.1700 %	116.0063 %	103.5235 %	100.9119 %	103.1838 %
Concentration per Run 2	2.8565 ppm	117.2077 %	118.0740 %	115.8614 %	102.7157 %	100.4177 %	103.1190 %
Concentration per Run 3	2.8743 ppm	117.1761 %	118.5047 %	114.9656 %	102.8860 %	99.6235 %	103.4946 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.5 %	0.4 %	0.6 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511899-01D2 WG2037857
Analysis started at: 3/10/2025 18:54:49
Comments <Comment>
Rack: 2
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	91.4763 ppm	0.0543 ppm	0.0024 ppm	0.4921 ppm	0.0032 ppm	45.2140 ppm
Concentration per Run 1	-0.0005 ppm	90.9944 ppm	0.0512 ppm	0.0028 ppm	0.4903 ppm	0.0031 ppm	45.1293 ppm
Concentration per Run 2	0.0002 ppm	91.6417 ppm	0.0561 ppm	0.0025 ppm	0.4928 ppm	0.0032 ppm	45.2163 ppm
Concentration per Run 3	-0.0002 ppm	91.7928 ppm	0.0556 ppm	0.0019 ppm	0.4932 ppm	0.0032 ppm	45.2964 ppm
Concentration RSD	178.8 %	0.5 %	4.9 %	19.3 %	0.3 %	0.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0794 ppm	0.1529 ppm	0.3724 ppm	142.6838 ppm	22.3629 ppm	0.1216 ppm
Concentration per Run 1	-0.0005 ppm	0.0797 ppm	0.1530 ppm	0.3711 ppm	141.7344 ppm	22.2313 ppm	0.1203 ppm
Concentration per Run 2	-0.0005 ppm	0.0794 ppm	0.1527 ppm	0.3736 ppm	142.9414 ppm	22.4019 ppm	0.1213 ppm
Concentration per Run 3	-0.0006 ppm	0.0791 ppm	0.1531 ppm	0.3725 ppm	143.3755 ppm	22.4556 ppm	0.1231 ppm
Concentration RSD	12.0 %	0.4 %	0.1 %	0.3 %	0.6 %	0.5 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	41.0902 ppm	1.9559 ppm	0.0030 ppm	15.9657 ppm	0.1419 ppm	0.1151 ppm	0.0440 ppm
Concentration per Run 1	41.1107 ppm	1.9537 ppm	0.0030 ppm	15.8894 ppm	0.1431 ppm	0.1159 ppm	0.0424 ppm
Concentration per Run 2	41.0704 ppm	1.9578 ppm	0.0028 ppm	15.9890 ppm	0.1415 ppm	0.1150 ppm	0.0458 ppm
Concentration per Run 3	41.0897 ppm	1.9564 ppm	0.0030 ppm	16.0187 ppm	0.1412 ppm	0.1144 ppm	0.0436 ppm
Concentration RSD	0.0 %	0.1 %	3.8 %	0.4 %	0.7 %	0.6 %	3.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	2.3816 ppm	0.0134 ppm	0.1000 ppm	5.1013 ppm	-0.0049 ppm	0.2336 ppm
Concentration per Run 1	0.0023 ppm	2.3956 ppm	0.0150 ppm	0.0994 ppm	5.0978 ppm	-0.0054 ppm	0.2336 ppm
Concentration per Run 2	0.0003 ppm	2.3750 ppm	0.0119 ppm	0.1003 ppm	5.1025 ppm	-0.0033 ppm	0.2334 ppm
Concentration per Run 3	0.0012 ppm	2.3741 ppm	0.0132 ppm	0.1004 ppm	5.1036 ppm	-0.0060 ppm	0.2338 ppm
Concentration RSD	81.2 %	0.5 %	11.7 %	0.5 %	0.1 %	29.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.8201 ppm	117.2334 %	118.6248 %	118.6099 %	104.3219 %	103.8262 %	105.4035 %
Concentration per Run 1	0.8246 ppm	117.1884 %	118.7944 %	118.6109 %	104.4988 %	103.2665 %	105.5637 %
Concentration per Run 2	0.8195 ppm	117.4461 %	118.6300 %	118.7944 %	104.4458 %	104.0658 %	105.3410 %
Concentration per Run 3	0.8163 ppm	117.0657 %	118.4500 %	118.4244 %	104.0213 %	104.1462 %	105.3057 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.2 %	0.3 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LDR 20 As
Analysis started at: 3/10/2025 18:59:58
Comments <Comment>
Rack: 2
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0123 ppm	19.6401 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0089 ppm
Concentration per Run 1	0.0004 ppm	0.0139 ppm	19.5928 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0062 ppm
Concentration per Run 2	0.0003 ppm	0.0115 ppm	19.5733 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0109 ppm
Concentration per Run 3	0.0001 ppm	0.0114 ppm	19.7542 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0095 ppm
Concentration RSD	48.3 %	11.7 %	0.5 %	111.5 %	25.8 %	209.0 %	27.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0044 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0183 ppm	0.0146 ppm	0.0008 ppm
Concentration per Run 1	-0.0044 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0187 ppm	0.0080 ppm	0.0006 ppm
Concentration per Run 2	-0.0044 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0192 ppm	0.0139 ppm	0.0009 ppm
Concentration per Run 3	-0.0044 ppm	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0170 ppm	0.0220 ppm	0.0009 ppm
Concentration RSD	0.4 %	172.7 %	593.5 %	116.1 %	6.4 %	47.7 %	19.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0089 ppm	0.0005 ppm	0.0002 ppm	0.0170 ppm	0.0002 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0102 ppm	0.0006 ppm	0.0002 ppm	0.0149 ppm	0.0003 ppm	-0.0009 ppm	0.0015 ppm
Concentration per Run 2	0.0089 ppm	0.0005 ppm	0.0002 ppm	0.0170 ppm	0.0007 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 3	0.0077 ppm	0.0005 ppm	0.0002 ppm	0.0190 ppm	-0.0003 ppm	-0.0002 ppm	-0.0013 ppm
Concentration RSD	13.8 %	18.5 %	22.7 %	12.2 %	207.8 %	72.2 %	862.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	0.0032 ppm	0.0019 ppm	0.0001 ppm	0.0010 ppm	-0.0030 ppm	0.0001 ppm
Concentration per Run 1	0.0003 ppm	0.0033 ppm	0.0017 ppm	0.0001 ppm	0.0009 ppm	-0.0018 ppm	0.0001 ppm
Concentration per Run 2	0.0007 ppm	0.0026 ppm	0.0018 ppm	0.0001 ppm	0.0011 ppm	-0.0050 ppm	0.0002 ppm
Concentration per Run 3	-0.0009 ppm	0.0036 ppm	0.0021 ppm	0.0001 ppm	0.0010 ppm	-0.0020 ppm	-0.0001 ppm
Concentration RSD	1,483.0 %	16.1 %	10.4 %	10.5 %	10.8 %	60.7 %	156.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0003 ppm	103.8811 %	106.7850 %	105.1843 %	103.6124 %	102.8936 %	106.7118 %
Concentration per Run 1	-0.0004 ppm	104.4411 %	106.7002 %	104.9745 %	104.5193 %	103.1301 %	106.7290 %
Concentration per Run 2	-0.0003 ppm	103.1276 %	106.6374 %	105.6361 %	102.6777 %	103.2860 %	106.5197 %
Concentration per Run 3	-0.0001 ppm	104.0746 %	107.0173 %	104.9422 %	103.6401 %	102.2648 %	106.8865 %
Concentration RSD	57.8 %	0.7 %	0.2 %	0.4 %	0.9 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2509035-02D2 WG2037565
Analysis started at: 3/10/2025 19:05:08
Comments <Comment>
Rack: 2
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0064 ppm	146.7162 ppm	0.0144 ppm	0.1374 ppm	0.4282 ppm	0.0024 ppm	991.5903 ppm
Concentration per Run 1	0.0062 ppm	145.9039 ppm	0.0159 ppm	0.1370 ppm	0.4268 ppm	0.0024 ppm	991.7534 ppm
Concentration per Run 2	0.0065 ppm	146.5853 ppm	0.0125 ppm	0.1381 ppm	0.4303 ppm	0.0024 ppm	993.8999 ppm
Concentration per Run 3	0.0065 ppm	147.6593 ppm	0.0149 ppm	0.1370 ppm	0.4276 ppm	0.0024 ppm	989.1176 ppm
Concentration RSD	2.5 %	0.6 %	12.1 %	0.5 %	0.4 %	0.4 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0090 ppm	0.0566 ppm	0.2155 ppm	0.4482 ppm	81.9343 ppm	18.2368 ppm	0.0808 ppm
Concentration per Run 1	-0.0089 ppm	0.0563 ppm	0.2154 ppm	0.4482 ppm	81.9111 ppm	18.2345 ppm	0.0808 ppm
Concentration per Run 2	-0.0091 ppm	0.0569 ppm	0.2153 ppm	0.4480 ppm	82.1306 ppm	18.2853 ppm	0.0806 ppm
Concentration per Run 3	-0.0089 ppm	0.0568 ppm	0.2157 ppm	0.4484 ppm	81.7613 ppm	18.1906 ppm	0.0809 ppm
Concentration RSD	1.1 %	0.6 %	0.1 %	0.0 %	0.2 %	0.3 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	189.0486 ppm	1.5759 ppm	0.0053 ppm	17.9331 ppm	0.1338 ppm	0.0391 ppm	-0.0080 ppm
Concentration per Run 1	188.5152 ppm	1.5763 ppm	0.0055 ppm	17.9075 ppm	0.1340 ppm	0.0388 ppm	-0.0093 ppm
Concentration per Run 2	190.5368 ppm	1.5788 ppm	0.0053 ppm	17.9711 ppm	0.1336 ppm	0.0406 ppm	-0.0062 ppm
Concentration per Run 3	188.0937 ppm	1.5725 ppm	0.0050 ppm	17.9207 ppm	0.1338 ppm	0.0379 ppm	-0.0085 ppm
Concentration RSD	0.7 %	0.2 %	4.4 %	0.2 %	0.2 %	3.5 %	20.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	39.8449 [SIC 50]	0.0105 ppm	4.5964 ppm	4.0097 ppm	-0.0077 ppm	0.2395 ppm
Concentration per Run 1	0.0040 ppm	39.6823 ppm	0.0107 ppm	4.5344 ppm	4.0142 ppm	-0.0087 ppm	0.2397 ppm
Concentration per Run 2	0.0026 ppm	40.0237 ppm	0.0107 ppm	4.6656 ppm	4.0056 ppm	-0.0059 ppm	0.2389 ppm
Concentration per Run 3	0.0034 ppm	39.8286 ppm	0.0103 ppm	4.5892 ppm	4.0092 ppm	-0.0084 ppm	0.2400 ppm
Concentration RSD	21.8 %	0.4 %	2.1 %	1.4 %	0.1 %	19.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2165 ppm	108.0291 %	103.4871 %	106.4228 %	99.2620 %	94.2544 %	95.3894 %
Concentration per Run 1	0.2157 ppm	107.8418 %	103.5602 %	106.3489 %	99.0829 %	94.5690 %	95.3775 %
Concentration per Run 2	0.2179 ppm	107.9809 %	103.2757 %	106.2918 %	99.2581 %	93.7956 %	95.3491 %
Concentration per Run 3	0.2160 ppm	108.2647 %	103.6253 %	106.6277 %	99.4449 %	94.3986 %	95.4417 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.2 %	0.2 %	0.4 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511497-11 WG2036426
Analysis started at: 3/10/2025 19:10:40
Comments Zn hit RR
Rack: 2
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0355 ppm	-0.0008 ppm	0.0198 ppm	0.0279 ppm	0.0000 ppm	26.4070 ppm
Concentration per Run 1	0.0000 ppm	0.0348 ppm	0.0011 ppm	0.0196 ppm	0.0273 ppm	0.0000 ppm	26.1382 ppm
Concentration per Run 2	0.0000 ppm	0.0386 ppm	-0.0034 ppm	0.0199 ppm	0.0282 ppm	0.0000 ppm	26.5354 ppm
Concentration per Run 3	0.0003 ppm	0.0331 ppm	0.0000 ppm	0.0199 ppm	0.0281 ppm	0.0000 ppm	26.5473 ppm
Concentration RSD	125.6 %	7.9 %	300.4 %	0.9 %	1.7 %	109.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0014 ppm	0.0437 ppm	4.7423 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0015 ppm	0.0440 ppm	4.6649 ppm	0.0004 ppm
Concentration per Run 2	-0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.0014 ppm	0.0450 ppm	4.7823 ppm	0.0013 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm	0.0420 ppm	4.7797 ppm	0.0002 ppm
Concentration RSD	5.1 %	258.4 %	96.6 %	5.0 %	3.5 %	1.4 %	91.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.8693 ppm	0.0137 ppm	0.0003 ppm	61.3632 ppm	0.0008 ppm	-0.0007 ppm	0.0006 ppm
Concentration per Run 1	8.8892 ppm	0.0135 ppm	0.0004 ppm	60.4018 ppm	0.0007 ppm	-0.0017 ppm	0.0004 ppm
Concentration per Run 2	8.8270 ppm	0.0138 ppm	0.0003 ppm	61.9142 ppm	0.0008 ppm	-0.0011 ppm	0.0013 ppm
Concentration per Run 3	8.8919 ppm	0.0137 ppm	0.0002 ppm	61.7735 ppm	0.0009 ppm	0.0007 ppm	0.0002 ppm
Concentration RSD	0.4 %	1.2 %	31.1 %	1.4 %	13.8 %	171.1 %	91.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	4.7794 ppm	0.0000 ppm	0.1901 ppm	0.0013 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0018 ppm	4.7640 ppm	-0.0013 ppm	0.1871 ppm	0.0015 ppm	-0.0024 ppm	0.0002 ppm
Concentration per Run 2	-0.0005 ppm	4.7939 ppm	0.0006 ppm	0.1919 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0005 ppm	4.7803 ppm	0.0006 ppm	0.1913 ppm	0.0013 ppm	0.0013 ppm	0.0002 ppm
Concentration RSD	529.6 %	0.3 %	3,423.1 %	1.4 %	7.2 %	611.4 %	50.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	103.5041 %	102.8511 %	105.0277 %	104.5362 %	104.1346 %	103.8701 %
Concentration per Run 1	0.0014 ppm	104.1694 %	102.8369 %	105.2551 %	105.7077 %	104.7715 %	103.8963 %
Concentration per Run 2	0.0014 ppm	103.4127 %	103.0434 %	104.8878 %	104.1936 %	103.7730 %	104.0274 %
Concentration per Run 3	0.0012 ppm	102.9302 %	102.6731 %	104.9402 %	103.7072 %	103.8592 %	103.6865 %
Concentration RSD	10.3 %	0.6 %	0.2 %	0.2 %	1.0 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 19:36:10
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4698 ppm	0.5241 ppm	0.4944 ppm	0.4933 ppm	0.4946 ppm	0.4950 ppm	0.4911 ppm
Concentration per Run 1	0.4610 ppm	0.5163 ppm	0.4943 ppm	0.4949 ppm	0.4870 ppm	0.4871 ppm	0.4812 ppm
Concentration per Run 2	0.4598 ppm	0.5305 ppm	0.4928 ppm	0.4926 ppm	0.4982 ppm	0.4984 ppm	0.4927 ppm
Concentration per Run 3	0.4887 ppm	0.5255 ppm	0.4960 ppm	0.4923 ppm	0.4986 ppm	0.4995 ppm	0.4994 ppm
Recovery Percentage 1	93.969 %	104.821 %	98.874 %	98.650 %	98.920 %	98.998 %	98.220 %
Concentration RSD	3.5 %	1.4 %	0.3 %	0.3 %	1.3 %	1.4 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5182 ppm	0.5062 ppm	0.4963 ppm	0.4926 ppm	0.5056 ppm	5.2045 ppm	0.4953 ppm
Concentration per Run 1	0.5198 ppm	0.5076 ppm	0.4873 ppm	0.4821 ppm	0.4971 ppm	5.1241 ppm	0.4865 ppm
Concentration per Run 2	0.5180 ppm	0.5054 ppm	0.4845 ppm	0.4830 ppm	0.5082 ppm	5.2414 ppm	0.4987 ppm
Concentration per Run 3	0.5167 ppm	0.5055 ppm	0.5170 ppm	0.5127 ppm	0.5114 ppm	5.2480 ppm	0.5008 ppm
Recovery Percentage 1	103.630 %	101.232 %	99.253 %	98.520 %	101.117 %	104.090 %	99.064 %
Concentration RSD	0.3 %	0.2 %	3.6 %	3.5 %	1.5 %	1.3 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5193 ppm	0.4867 ppm	0.4817 ppm	10.0230 ppm	0.4946 ppm	0.4904 ppm	0.5072 ppm
Concentration per Run 1	0.5072 ppm	0.4789 ppm	0.4839 ppm	9.8769 ppm	0.4961 ppm	0.4909 ppm	0.5086 ppm
Concentration per Run 2	0.5046 ppm	0.4899 ppm	0.4813 ppm	10.0917 ppm	0.4945 ppm	0.4896 ppm	0.5057 ppm
Concentration per Run 3	0.5462 ppm	0.4913 ppm	0.4799 ppm	10.1003 ppm	0.4933 ppm	0.4909 ppm	0.5073 ppm
Recovery Percentage 1	103.864 %	97.337 %	96.340 %	100.230 %	98.927 %	98.089 %	101.434 %
Concentration RSD	4.5 %	1.4 %	0.4 %	1.3 %	0.3 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4871 ppm	5.7614 ppm	0.5172 ppm	0.5020 ppm	0.4957 ppm	0.4790 ppm	0.4899 ppm
Concentration per Run 1	0.4893 ppm	5.7821 ppm	0.5199 ppm	0.4942 ppm	0.4866 ppm	0.4816 ppm	0.4808 ppm
Concentration per Run 2	0.4869 ppm	5.7513 ppm	0.5176 ppm	0.5057 ppm	0.4846 ppm	0.4793 ppm	0.4786 ppm
Concentration per Run 3	0.4850 ppm	5.7509 ppm	0.5141 ppm	0.5061 ppm	0.5160 ppm	0.4761 ppm	0.5102 ppm
Recovery Percentage 1	97.412 %	109.742 %	103.446 %	100.404 %	99.146 %	95.798 %	97.976 %
Concentration RSD	0.4 %	0.3 %	0.6 %	1.3 %	3.6 %	0.6 %	3.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5105 ppm	102.2302 %	101.7268 %	105.0982 %	104.9963 %	101.6739 %	105.2406 %
Concentration per Run 1	0.5113 ppm	103.4683 %	103.2709 %	105.0122 %	106.4038 %	101.4362 %	106.8976 %
Concentration per Run 2	0.5109 ppm	101.6605 %	104.0360 %	105.2044 %	104.3837 %	101.6957 %	107.4531 %
Concentration per Run 3	0.5092 ppm	101.5618 %	97.8734 %	105.0778 %	104.2014 %	101.8898 %	101.3711 %
Recovery Percentage 1	102.098 %						
Concentration RSD	0.2 %	1.0 %	3.3 %	0.1 %	1.2 %	0.2 %	3.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 19:41:03
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0035 ppm	-0.0005 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run 1	0.0002 ppm	0.0024 ppm	0.0004 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0064 ppm
Concentration per Run 2	0.0001 ppm	0.0026 ppm	-0.0009 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0035 ppm
Concentration per Run 3	0.0003 ppm	0.0054 ppm	-0.0011 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Recovery Percentage 1	3.803 %	3.469 %	-10.506 %	1.421 %	1.068 %	1.922 %	4.840 %
Concentration RSD	50.2 %	48.7 %	160.8 %	89.2 %	59.1 %	18.9 %	29.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0044 ppm	0.0188 ppm	0.0007 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0052 ppm	0.0211 ppm	0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0044 ppm	0.0160 ppm	-0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0034 ppm	0.0193 ppm	0.0014 ppm
Recovery Percentage 1	5.663 %	-0.038 %	-1.070 %	3.867 %	8.724 %	0.752 %	6.505 %
Concentration RSD	13.7 %	1,446.9 %	71.3 %	43.7 %	20.5 %	13.7 %	113.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0006 ppm	0.0004 ppm	0.0004 ppm	0.0105 ppm	0.0004 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run 1	0.0017 ppm	0.0004 ppm	0.0003 ppm	0.0123 ppm	0.0010 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0005 ppm	0.0004 ppm	0.0007 ppm	0.0087 ppm	-0.0003 ppm	-0.0019 ppm	0.0014 ppm
Concentration per Run 3	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0107 ppm	0.0005 ppm	-0.0005 ppm	-0.0024 ppm
Recovery Percentage 1	0.597 %	3.967 %	0.876 %	0.527 %	1.542 %	-8.559 %	-0.627 %
Concentration RSD	167.4 %	13.2 %	52.7 %	17.0 %	180.7 %	103.4 %	618.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	0.0062 ppm	0.0020 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0007 ppm	0.0055 ppm	0.0006 ppm	0.0002 ppm	0.0002 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 2	0.0015 ppm	0.0067 ppm	0.0024 ppm	0.0001 ppm	0.0004 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run 3	0.0012 ppm	0.0063 ppm	0.0031 ppm	0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm
Recovery Percentage 1	11.239 %	1.239 %	4.065 %	1.475 %	2.599 %	1.476 %	1.305 %
Concentration RSD	32.0 %	9.8 %	64.2 %	18.4 %	59.2 %	503.5 %	34.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0009 ppm	102.0903 %	102.9286 %	104.0495 %	103.0181 %	101.4369 %	105.4002 %
Concentration per Run 1	-0.0008 ppm	103.2128 %	103.3101 %	103.7807 %	104.3884 %	100.8892 %	105.7278 %
Concentration per Run 2	-0.0010 ppm	101.6462 %	102.1512 %	103.8213 %	102.5034 %	101.3804 %	104.6472 %
Concentration per Run 3	-0.0010 ppm	101.4119 %	103.3245 %	104.5466 %	102.1625 %	102.0410 %	105.8255 %
Recovery Percentage 1	-18.994 %						
Concentration RSD	12.6 %	1.0 %	0.7 %	0.4 %	1.2 %	0.6 %	0.6 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-1 WG2037645
Analysis started at: 3/10/2025 20:00:45
Comments <Comment>
Rack: 2
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0039 ppm	-0.0005 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0151 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0013 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run 2	0.0001 ppm	0.0069 ppm	-0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run 3	0.0000 ppm	0.0049 ppm	0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0170 ppm
Recovery Percentage 1	0.688 %	3.903 %	-9.905 %	0.259 %	0.541 %	0.067 %	15.054 %
Concentration RSD	143.8 %	92.6 %	198.8 %	266.3 %	45.4 %	606.6 %	15.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0031 ppm	0.0129 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0030 ppm	0.0221 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0036 ppm	0.0136 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0003 ppm	0.0028 ppm	0.0030 ppm	-0.0008 ppm
Recovery Percentage 1	1.174 %	-0.871 %	-2.075 %	2.205 %	6.268 %	0.517 %	-2.022 %
Concentration RSD	55.9 %	81.8 %	63.7 %	52.0 %	12.4 %	73.9 %	275.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0033 ppm	0.0002 ppm	0.0001 ppm	0.0187 ppm	0.0004 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 1	0.0019 ppm	0.0004 ppm	0.0000 ppm	0.0214 ppm	0.0000 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run 2	0.0021 ppm	0.0002 ppm	0.0003 ppm	0.0178 ppm	0.0003 ppm	-0.0014 ppm	0.0003 ppm
Concentration per Run 3	0.0059 ppm	0.0001 ppm	-0.0001 ppm	0.0168 ppm	0.0008 ppm	-0.0004 ppm	0.0010 ppm
Recovery Percentage 1	3.272 %	2.463 %	0.169 %	0.933 %	1.416 %	-9.375 %	0.705 %
Concentration RSD	68.8 %	63.3 %	231.5 %	13.1 %	121.8 %	50.0 %	169.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0100 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm	-0.0017 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	0.0105 ppm	0.0002 ppm	0.0001 ppm	0.0009 ppm	-0.0031 ppm	0.0000 ppm
Concentration per Run 2	0.0025 ppm	0.0103 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 3	0.0011 ppm	0.0093 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0017 ppm	0.0001 ppm
Recovery Percentage 1	14.129 %	2.006 %	1.186 %	0.794 %	4.016 %	-8.513 %	-0.480 %
Concentration RSD	66.5 %	6.3 %	62.7 %	46.0 %	106.2 %	80.5 %	373.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0010 ppm	102.3844 %	104.4462 %	104.2526 %	105.2130 %	100.5156 %	108.5905 %
Concentration per Run 1	-0.0010 ppm	103.3238 %	104.5450 %	104.2902 %	106.6269 %	100.8701 %	108.7576 %
Concentration per Run 2	-0.0010 ppm	101.5859 %	104.3660 %	104.4071 %	104.2151 %	100.4160 %	108.4989 %
Concentration per Run 3	-0.0011 ppm	102.2434 %	104.4275 %	104.0604 %	104.7970 %	100.2606 %	108.5151 %
Recovery Percentage 1	-20.305 %						
Concentration RSD	5.6 %	0.9 %	0.1 %	0.2 %	1.2 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-2 WG2037645
Analysis started at: 3/10/2025 20:05:55
Comments <Comment>
Rack: 2
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0458 ppm	2.0573 ppm	0.1150 ppm	0.9766 ppm	1.9326 ppm	0.0483 ppm	9.6013 ppm
Concentration per Run 1	0.0456 ppm	2.0568 ppm	0.1153 ppm	0.9776 ppm	1.9232 ppm	0.0481 ppm	9.6060 ppm
Concentration per Run 2	0.0462 ppm	2.0516 ppm	0.1143 ppm	0.9771 ppm	1.9336 ppm	0.0484 ppm	9.6086 ppm
Concentration per Run 3	0.0456 ppm	2.0637 ppm	0.1154 ppm	0.9751 ppm	1.9409 ppm	0.0483 ppm	9.5893 ppm
Concentration RSD	0.7 %	0.3 %	0.5 %	0.1 %	0.5 %	0.3 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0537 ppm	0.4854 ppm	0.1875 ppm	0.2459 ppm	0.9849 ppm	10.5337 ppm	-0.0002 ppm
Concentration per Run 1	0.0538 ppm	0.4857 ppm	0.1868 ppm	0.2460 ppm	0.9862 ppm	10.4861 ppm	-0.0006 ppm
Concentration per Run 2	0.0538 ppm	0.4868 ppm	0.1879 ppm	0.2466 ppm	0.9848 ppm	10.5325 ppm	0.0000 ppm
Concentration per Run 3	0.0533 ppm	0.4836 ppm	0.1879 ppm	0.2451 ppm	0.9837 ppm	10.5824 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	0.3 %	0.1 %	0.5 %	160.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1345 ppm	0.4847 ppm	0.9474 ppm	10.3714 ppm	0.4786 ppm	0.5073 ppm	0.4788 ppm
Concentration per Run 1	10.1512 ppm	0.4853 ppm	0.9461 ppm	10.3475 ppm	0.4794 ppm	0.5067 ppm	0.4764 ppm
Concentration per Run 2	10.1389 ppm	0.4844 ppm	0.9485 ppm	10.3652 ppm	0.4789 ppm	0.5097 ppm	0.4805 ppm
Concentration per Run 3	10.1132 ppm	0.4844 ppm	0.9477 ppm	10.4014 ppm	0.4776 ppm	0.5056 ppm	0.4794 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.3 %	0.2 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1166 ppm	1.2231 ppm	0.9853 ppm	1.0028 ppm	0.9587 ppm	0.1106 ppm	0.4683 ppm
Concentration per Run 1	0.1178 ppm	1.2251 ppm	0.9868 ppm	0.9986 ppm	0.9592 ppm	0.1115 ppm	0.4688 ppm
Concentration per Run 2	0.1174 ppm	1.2235 ppm	0.9872 ppm	1.0039 ppm	0.9586 ppm	0.1109 ppm	0.4683 ppm
Concentration per Run 3	0.1145 ppm	1.2208 ppm	0.9819 ppm	1.0060 ppm	0.9583 ppm	0.1094 ppm	0.4679 ppm
Concentration RSD	1.5 %	0.2 %	0.3 %	0.4 %	0.0 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4938 ppm	101.6170 %	102.4689 %	103.6473 %	104.5094 %	100.9182 %	106.5417 %
Concentration per Run 1	0.4942 ppm	101.4355 %	102.6599 %	103.8772 %	104.6500 %	100.8704 %	106.7038 %
Concentration per Run 2	0.4940 ppm	101.9033 %	102.4205 %	103.5307 %	104.6337 %	100.8040 %	106.4636 %
Concentration per Run 3	0.4933 ppm	101.5122 %	102.3265 %	103.5339 %	104.2445 %	101.0802 %	106.4577 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.2 %	0.2 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511574-01 WG2037645
Analysis started at: 3/10/2025 20:10:55
Comments <Comment>
Rack: 2
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0081 ppm	-0.0002 ppm	0.0051 ppm	0.0175 ppm	0.0000 ppm	26.9808 ppm
Concentration per Run 1	0.0001 ppm	0.0054 ppm	0.0010 ppm	0.0053 ppm	0.0173 ppm	0.0000 ppm	26.6811 ppm
Concentration per Run 2	0.0001 ppm	0.0075 ppm	-0.0003 ppm	0.0052 ppm	0.0176 ppm	0.0000 ppm	27.1577 ppm
Concentration per Run 3	0.0001 ppm	0.0115 ppm	-0.0013 ppm	0.0050 ppm	0.0177 ppm	0.0000 ppm	27.1036 ppm
Concentration RSD	41.7 %	38.3 %	564.2 %	3.5 %	1.3 %	173.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0287 ppm	0.1396 ppm	2.4050 ppm	0.0017 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0288 ppm	0.1373 ppm	2.3944 ppm	0.0020 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0286 ppm	0.1414 ppm	2.4238 ppm	0.0019 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0287 ppm	0.1402 ppm	2.3969 ppm	0.0013 ppm
Concentration RSD	16.2 %	31.8 %	19.9 %	0.2 %	1.5 %	0.7 %	23.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.9362 ppm	0.0021 ppm	0.0013 ppm	7.7941 ppm	0.0002 ppm	0.0026 ppm	0.0012 ppm
Concentration per Run 1	6.9411 ppm	0.0020 ppm	0.0018 ppm	7.6924 ppm	0.0001 ppm	0.0022 ppm	0.0004 ppm
Concentration per Run 2	6.9041 ppm	0.0021 ppm	0.0011 ppm	7.8522 ppm	0.0002 ppm	0.0031 ppm	0.0025 ppm
Concentration per Run 3	6.9635 ppm	0.0021 ppm	0.0010 ppm	7.8377 ppm	0.0003 ppm	0.0026 ppm	0.0008 ppm
Concentration RSD	0.4 %	3.1 %	37.2 %	1.1 %	30.1 %	17.3 %	90.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	10.5290 ppm	0.0008 ppm	0.1414 ppm	0.0005 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 1	0.0011 ppm	10.6605 ppm	0.0014 ppm	0.1395 ppm	0.0005 ppm	-0.0017 ppm	0.0002 ppm
Concentration per Run 2	0.0023 ppm	10.5047 ppm	-0.0001 ppm	0.1426 ppm	0.0003 ppm	-0.0025 ppm	0.0007 ppm
Concentration per Run 3	0.0018 ppm	10.4218 ppm	0.0011 ppm	0.1420 ppm	0.0006 ppm	-0.0021 ppm	0.0007 ppm
Concentration RSD	33.9 %	1.2 %	99.8 %	1.2 %	26.4 %	18.4 %	46.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0195 ppm	102.3805 %	103.0760 %	104.0631 %	104.8704 %	100.7439 %	106.3123 %
Concentration per Run 1	0.0199 ppm	103.4377 %	103.0596 %	103.7455 %	106.1871 %	99.5643 %	106.3746 %
Concentration per Run 2	0.0194 ppm	101.9405 %	103.3849 %	103.8714 %	104.3092 %	100.9318 %	106.6610 %
Concentration per Run 3	0.0193 ppm	101.7634 %	102.7836 %	104.5723 %	104.1150 %	101.7356 %	105.9012 %
Concentration RSD	1.6 %	0.9 %	0.3 %	0.4 %	1.1 %	1.1 %	0.4 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-3 WG2037645
Analysis started at: 3/10/2025 20:16:06
Comments <Comment>
Rack: 2
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0478 ppm	2.0742 ppm	0.1176 ppm	0.9895 ppm	1.9671 ppm	0.0494 ppm	37.2329 ppm
Concentration per Run 1	0.0476 ppm	2.0617 ppm	0.1173 ppm	0.9899 ppm	1.9705 ppm	0.0491 ppm	37.1215 ppm
Concentration per Run 2	0.0481 ppm	2.0928 ppm	0.1157 ppm	0.9891 ppm	1.9511 ppm	0.0496 ppm	37.2320 ppm
Concentration per Run 3	0.0478 ppm	2.0682 ppm	0.1197 ppm	0.9894 ppm	1.9797 ppm	0.0495 ppm	37.3452 ppm
Concentration RSD	0.5 %	0.8 %	1.7 %	0.0 %	0.7 %	0.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0531 ppm	0.4855 ppm	0.1919 ppm	0.2780 ppm	1.0741 ppm	13.0973 ppm	0.0015 ppm
Concentration per Run 1	0.0532 ppm	0.4862 ppm	0.1922 ppm	0.2775 ppm	1.0608 ppm	13.0109 ppm	0.0019 ppm
Concentration per Run 2	0.0531 ppm	0.4851 ppm	0.1921 ppm	0.2792 ppm	1.0759 ppm	13.1563 ppm	0.0012 ppm
Concentration per Run 3	0.0531 ppm	0.4854 ppm	0.1915 ppm	0.2774 ppm	1.0857 ppm	13.1246 ppm	0.0014 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.4 %	1.2 %	0.6 %	23.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.4297 ppm	0.4905 ppm	0.8166 ppm	18.5046 ppm	0.4814 ppm	0.5129 ppm	0.3303 ppm
Concentration per Run 1	17.4300 ppm	0.4885 ppm	0.8149 ppm	18.3835 ppm	0.4825 ppm	0.5161 ppm	0.3243 ppm
Concentration per Run 2	17.4549 ppm	0.4899 ppm	0.8161 ppm	18.5951 ppm	0.4812 ppm	0.5115 ppm	0.3315 ppm
Concentration per Run 3	17.4042 ppm	0.4930 ppm	0.8187 ppm	18.5351 ppm	0.4805 ppm	0.5113 ppm	0.3352 ppm
Concentration RSD	0.1 %	0.5 %	0.2 %	0.6 %	0.2 %	0.5 %	1.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1235 ppm	11.8779 ppm	0.3211 ppm	1.1464 ppm	0.9430 ppm	0.1178 ppm	0.4722 ppm
Concentration per Run 1	0.1233 ppm	11.8800 ppm	0.3222 ppm	1.1396 ppm	0.9426 ppm	0.1160 ppm	0.4721 ppm
Concentration per Run 2	0.1239 ppm	11.8746 ppm	0.3191 ppm	1.1509 ppm	0.9438 ppm	0.1189 ppm	0.4723 ppm
Concentration per Run 3	0.1233 ppm	11.8790 ppm	0.3220 ppm	1.1487 ppm	0.9428 ppm	0.1185 ppm	0.4722 ppm
Concentration RSD	0.3 %	0.0 %	0.5 %	0.5 %	0.1 %	1.3 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5170 ppm	102.9482 %	103.8433 %	103.8482 %	105.2433 %	103.0973 %	106.6107 %
Concentration per Run 1	0.5180 ppm	103.5527 %	103.9449 %	103.9011 %	106.0631 %	103.1459 %	106.7076 %
Concentration per Run 2	0.5157 ppm	102.9381 %	103.6703 %	103.5953 %	105.1987 %	103.1002 %	106.4862 %
Concentration per Run 3	0.5174 ppm	102.3537 %	103.9147 %	104.0482 %	104.4682 %	103.0458 %	106.6385 %
Concentration RSD	0.2 %	0.6 %	0.1 %	0.2 %	0.8 %	0.0 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-4 WG2037645
Analysis started at: 3/10/2025 20:21:10
Comments <Comment>
Rack: 2
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0077 ppm	0.0006 ppm	0.0055 ppm	0.0178 ppm	0.0000 ppm	27.2237 ppm
Concentration per Run 1	0.0002 ppm	0.0069 ppm	-0.0016 ppm	0.0051 ppm	0.0175 ppm	0.0000 ppm	26.9164 ppm
Concentration per Run 2	0.0000 ppm	0.0067 ppm	0.0008 ppm	0.0062 ppm	0.0179 ppm	0.0000 ppm	27.2819 ppm
Concentration per Run 3	0.0000 ppm	0.0096 ppm	0.0026 ppm	0.0052 ppm	0.0180 ppm	0.0000 ppm	27.4727 ppm
Concentration RSD	125.1 %	21.6 %	374.3 %	10.3 %	1.3 %	314.2 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0293 ppm	0.1432 ppm	2.4103 ppm	0.0018 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0301 ppm	0.1403 ppm	2.3735 ppm	0.0014 ppm
Concentration per Run 2	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0287 ppm	0.1444 ppm	2.4285 ppm	0.0016 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0290 ppm	0.1449 ppm	2.4289 ppm	0.0023 ppm
Concentration RSD	54.3 %	219.0 %	41.9 %	2.7 %	1.8 %	1.3 %	27.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.1046 ppm	0.0022 ppm	0.0016 ppm	7.8993 ppm	0.0004 ppm	0.0020 ppm	0.0013 ppm
Concentration per Run 1	7.2685 ppm	0.0022 ppm	0.0017 ppm	7.7906 ppm	0.0002 ppm	0.0014 ppm	0.0010 ppm
Concentration per Run 2	7.0306 ppm	0.0022 ppm	0.0014 ppm	7.9434 ppm	0.0004 ppm	0.0017 ppm	0.0019 ppm
Concentration per Run 3	7.0148 ppm	0.0022 ppm	0.0016 ppm	7.9641 ppm	0.0008 ppm	0.0030 ppm	0.0011 ppm
Concentration RSD	2.0 %	1.7 %	9.7 %	1.2 %	72.1 %	40.6 %	35.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	10.5809 ppm	0.0031 ppm	0.1422 ppm	0.0007 ppm	-0.0012 ppm	0.0006 ppm
Concentration per Run 1	-0.0003 ppm	10.5454 ppm	0.0022 ppm	0.1401 ppm	0.0005 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 2	0.0007 ppm	10.6434 ppm	0.0047 ppm	0.1430 ppm	0.0007 ppm	-0.0022 ppm	0.0005 ppm
Concentration per Run 3	0.0007 ppm	10.5539 ppm	0.0024 ppm	0.1436 ppm	0.0008 ppm	-0.0013 ppm	0.0007 ppm
Concentration RSD	154.5 %	0.5 %	43.7 %	1.3 %	18.4 %	84.9 %	17.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0197 ppm	102.7830 %	102.6954 %	103.7938 %	104.1789 %	100.8649 %	104.6223 %
Concentration per Run 1	0.0197 ppm	103.7111 %	100.9852 %	103.8720 %	105.4793 %	101.2325 %	102.6386 %
Concentration per Run 2	0.0196 ppm	102.6830 %	103.5323 %	103.4013 %	104.0237 %	100.2529 %	105.6382 %
Concentration per Run 3	0.0198 ppm	101.9549 %	103.5685 %	104.1082 %	103.0337 %	101.1094 %	105.5902 %
Concentration RSD	0.6 %	0.9 %	1.4 %	0.3 %	1.2 %	0.5 %	1.6 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-5 WG2037645
Analysis started at: 3/10/2025 20:26:20
Comments <Comment>
Rack: 2
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0271 ppm	2.0889 ppm	0.1228 ppm	0.9808 ppm	1.9991 ppm	0.0503 ppm	36.4106 ppm
Concentration per Run 1	0.0250 ppm	2.0785 ppm	0.1214 ppm	0.9830 ppm	1.9617 ppm	0.0500 ppm	36.2728 ppm
Concentration per Run 2	0.0317 ppm	2.0844 ppm	0.1227 ppm	0.9769 ppm	1.9781 ppm	0.0505 ppm	36.4630 ppm
Concentration per Run 3	0.0248 ppm	2.1039 ppm	0.1244 ppm	0.9823 ppm	2.0576 ppm	0.0505 ppm	36.4959 ppm
Concentration RSD	14.4 %	0.6 %	1.2 %	0.3 %	2.6 %	0.6 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0532 ppm	0.4879 ppm	0.1965 ppm	0.2800 ppm	1.1487 ppm	13.0576 ppm	0.0021 ppm
Concentration per Run 1	0.0532 ppm	0.4883 ppm	0.1972 ppm	0.2797 ppm	1.1434 ppm	12.9851 ppm	0.0015 ppm
Concentration per Run 2	0.0530 ppm	0.4862 ppm	0.1964 ppm	0.2805 ppm	1.1494 ppm	13.0942 ppm	0.0026 ppm
Concentration per Run 3	0.0533 ppm	0.4891 ppm	0.1960 ppm	0.2797 ppm	1.1533 ppm	13.0935 ppm	0.0022 ppm
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	0.4 %	0.5 %	28.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.0057 ppm	0.5011 ppm	0.9525 ppm	18.2415 ppm	0.4863 ppm	0.5330 ppm	0.4819 ppm
Concentration per Run 1	17.0406 ppm	0.4973 ppm	0.9516 ppm	18.1421 ppm	0.4879 ppm	0.5314 ppm	0.4802 ppm
Concentration per Run 2	17.0090 ppm	0.5022 ppm	0.9508 ppm	18.2892 ppm	0.4838 ppm	0.5332 ppm	0.4779 ppm
Concentration per Run 3	16.9675 ppm	0.5039 ppm	0.9552 ppm	18.2931 ppm	0.4870 ppm	0.5343 ppm	0.4877 ppm
Concentration RSD	0.2 %	0.7 %	0.2 %	0.5 %	0.4 %	0.3 %	1.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1239 ppm	10.7767 ppm	0.9857 ppm	1.1491 ppm	0.9877 ppm	0.1176 ppm	0.4871 ppm
Concentration per Run 1	0.1235 ppm	10.7975 ppm	0.9832 ppm	1.1428 ppm	0.9877 ppm	0.1181 ppm	0.4883 ppm
Concentration per Run 2	0.1239 ppm	10.7321 ppm	0.9843 ppm	1.1516 ppm	0.9891 ppm	0.1162 ppm	0.4864 ppm
Concentration per Run 3	0.1241 ppm	10.8005 ppm	0.9896 ppm	1.1528 ppm	0.9863 ppm	0.1184 ppm	0.4864 ppm
Concentration RSD	0.2 %	0.4 %	0.3 %	0.5 %	0.1 %	1.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5179 ppm	102.4347 %	103.3377 %	103.6623 %	103.5913 %	102.9315 %	104.9191 %
Concentration per Run 1	0.5180 ppm	102.8907 %	103.1290 %	103.6015 %	104.2980 %	102.8370 %	104.6793 %
Concentration per Run 2	0.5167 ppm	102.4281 %	103.5069 %	103.6718 %	103.5057 %	103.2953 %	105.0898 %
Concentration per Run 3	0.5190 ppm	101.9852 %	103.3771 %	103.7136 %	102.9701 %	102.6620 %	104.9882 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.6 %	0.3 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037645-6D5 WG2037645
Analysis started at: 3/10/2025 20:31:22
Comments <Comment>
Rack: 2
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0025 ppm	-0.0013 ppm	0.0019 ppm	0.0036 ppm	0.0000 ppm	5.5131 ppm
Concentration per Run 1	0.0003 ppm	0.0065 ppm	0.0000 ppm	0.0021 ppm	0.0036 ppm	0.0000 ppm	5.4632 ppm
Concentration per Run 2	0.0003 ppm	0.0028 ppm	-0.0018 ppm	0.0016 ppm	0.0036 ppm	0.0000 ppm	5.5188 ppm
Concentration per Run 3	0.0003 ppm	-0.0018 ppm	-0.0022 ppm	0.0020 ppm	0.0036 ppm	0.0000 ppm	5.5572 ppm
Concentration RSD	5.8 %	166.1 %	86.2 %	11.6 %	0.7 %	82.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0056 ppm	0.0296 ppm	0.4864 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0057 ppm	0.0293 ppm	0.4855 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0055 ppm	0.0301 ppm	0.4806 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0055 ppm	0.0294 ppm	0.4932 ppm	0.0000 ppm
Concentration RSD	296.6 %	752.4 %	115.9 %	2.2 %	1.6 %	1.3 %	99.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.3947 ppm	0.0006 ppm	0.0009 ppm	1.5802 ppm	0.0004 ppm	-0.0001 ppm	0.0035 ppm
Concentration per Run 1	1.3953 ppm	0.0007 ppm	0.0010 ppm	1.5604 ppm	0.0003 ppm	-0.0002 ppm	0.0037 ppm
Concentration per Run 2	1.3932 ppm	0.0005 ppm	0.0006 ppm	1.5887 ppm	-0.0001 ppm	0.0018 ppm	0.0046 ppm
Concentration per Run 3	1.3956 ppm	0.0006 ppm	0.0009 ppm	1.5916 ppm	0.0009 ppm	-0.0020 ppm	0.0023 ppm
Concentration RSD	0.1 %	20.4 %	24.0 %	1.1 %	127.5 %	1,397.5 %	33.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	2.0801 ppm	0.0038 ppm	0.0286 ppm	0.0004 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	2.0825 ppm	0.0046 ppm	0.0282 ppm	0.0004 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run 2	0.0019 ppm	2.0975 ppm	0.0041 ppm	0.0287 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0017 ppm	2.0602 ppm	0.0026 ppm	0.0289 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	11.5 %	0.9 %	27.5 %	1.2 %	14.0 %	163.2 %	107.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0032 ppm	103.0420 %	105.1775 %	104.5866 %	103.6239 %	102.0377 %	106.3843 %
Concentration per Run 1	0.0032 ppm	103.7438 %	105.2668 %	104.5978 %	104.5737 %	101.8746 %	106.5008 %
Concentration per Run 2	0.0032 ppm	103.0467 %	105.1480 %	103.9917 %	103.6146 %	101.3092 %	106.3280 %
Concentration per Run 3	0.0032 ppm	102.3356 %	105.1177 %	105.1703 %	102.6835 %	102.9292 %	106.3243 %
Concentration RSD	0.4 %	0.7 %	0.1 %	0.6 %	0.9 %	0.8 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511574-02 WG2037645
Analysis started at: 3/10/2025 20:36:33
Comments <Comment>
Rack: 2
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0095 ppm	0.0007 ppm	0.0050 ppm	0.0183 ppm	0.0000 ppm	27.6708 ppm
Concentration per Run 1	0.0004 ppm	0.0061 ppm	-0.0002 ppm	0.0053 ppm	0.0180 ppm	0.0000 ppm	27.3597 ppm
Concentration per Run 2	0.0002 ppm	0.0164 ppm	0.0011 ppm	0.0045 ppm	0.0185 ppm	0.0000 ppm	27.7630 ppm
Concentration per Run 3	-0.0002 ppm	0.0059 ppm	0.0013 ppm	0.0052 ppm	0.0185 ppm	0.0000 ppm	27.8896 ppm
Concentration RSD	206.4 %	63.3 %	108.7 %	9.1 %	1.5 %	33.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0012 ppm	0.0284 ppm	0.3779 ppm	2.4364 ppm	0.0016 ppm
Concentration per Run 1	-0.0002 ppm	-0.0005 ppm	0.0012 ppm	0.0281 ppm	0.3747 ppm	2.3916 ppm	0.0017 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0291 ppm	0.3782 ppm	2.4515 ppm	0.0017 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0012 ppm	0.0280 ppm	0.3809 ppm	2.4663 ppm	0.0015 ppm
Concentration RSD	18.9 %	63.6 %	5.4 %	2.3 %	0.8 %	1.6 %	9.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.1190 ppm	0.0031 ppm	0.0008 ppm	8.0203 ppm	-0.0003 ppm	0.0035 ppm	-0.0001 ppm
Concentration per Run 1	7.0464 ppm	0.0030 ppm	0.0008 ppm	7.8904 ppm	-0.0004 ppm	0.0038 ppm	0.0008 ppm
Concentration per Run 2	7.2972 ppm	0.0034 ppm	0.0007 ppm	8.0695 ppm	-0.0001 ppm	0.0030 ppm	0.0001 ppm
Concentration per Run 3	7.0133 ppm	0.0031 ppm	0.0008 ppm	8.1009 ppm	-0.0003 ppm	0.0038 ppm	-0.0012 ppm
Concentration RSD	2.2 %	6.0 %	8.4 %	1.4 %	56.3 %	12.6 %	933.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	10.5742 ppm	0.0009 ppm	0.1435 ppm	0.0003 ppm	-0.0020 ppm	0.0007 ppm
Concentration per Run 1	0.0003 ppm	10.6046 ppm	0.0000 ppm	0.1413 ppm	0.0002 ppm	-0.0010 ppm	0.0006 ppm
Concentration per Run 2	0.0018 ppm	10.5803 ppm	0.0020 ppm	0.1442 ppm	0.0004 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 3	0.0030 ppm	10.5377 ppm	0.0006 ppm	0.1449 ppm	0.0004 ppm	-0.0036 ppm	0.0007 ppm
Concentration RSD	80.0 %	0.3 %	116.5 %	1.3 %	25.2 %	69.0 %	6.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0284 ppm	102.8747 %	103.5949 %	104.0155 %	103.6305 %	102.0906 %	104.6102 %
Concentration per Run 1	0.0284 ppm	103.6052 %	104.6548 %	104.2316 %	104.7777 %	101.8640 %	105.7975 %
Concentration per Run 2	0.0286 ppm	102.4012 %	101.7633 %	103.4939 %	103.2097 %	102.0653 %	102.3244 %
Concentration per Run 3	0.0284 ppm	102.6177 %	104.3667 %	104.3209 %	102.9043 %	102.3425 %	105.7086 %
Concentration RSD	0.4 %	0.6 %	1.5 %	0.4 %	1.0 %	0.2 %	1.9 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511583-01 WG2037645
Analysis started at: 3/10/2025 20:41:41
Comments <Comment>
Rack: 2
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0497 ppm	-0.0012 ppm	0.0167 ppm	0.0194 ppm	0.0000 ppm	8.3294 ppm
Concentration per Run 1	0.0001 ppm	0.0473 ppm	-0.0026 ppm	0.0172 ppm	0.0191 ppm	0.0000 ppm	8.2460 ppm
Concentration per Run 2	0.0000 ppm	0.0510 ppm	0.0002 ppm	0.0167 ppm	0.0195 ppm	0.0000 ppm	8.3452 ppm
Concentration per Run 3	-0.0002 ppm	0.0508 ppm	-0.0011 ppm	0.0162 ppm	0.0195 ppm	0.0000 ppm	8.3971 ppm
Concentration RSD	2,745.7 %	4.2 %	123.2 %	2.8 %	1.1 %	168.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0417 ppm	0.0442 ppm	1.4352 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0421 ppm	0.0434 ppm	1.4322 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0414 ppm	0.0444 ppm	1.4381 ppm	0.0000 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0416 ppm	0.0449 ppm	1.4353 ppm	-0.0002 ppm
Concentration RSD	73.4 %	105.3 %	86.8 %	0.8 %	1.7 %	0.2 %	138.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9287 ppm	0.0039 ppm	0.0002 ppm	10.7471 ppm	0.0352 ppm	0.0037 ppm	-0.0002 ppm
Concentration per Run 1	3.9660 ppm	0.0037 ppm	0.0001 ppm	10.6047 ppm	0.0351 ppm	0.0030 ppm	-0.0003 ppm
Concentration per Run 2	3.8956 ppm	0.0041 ppm	0.0004 ppm	10.8006 ppm	0.0353 ppm	0.0042 ppm	0.0010 ppm
Concentration per Run 3	3.9244 ppm	0.0039 ppm	0.0001 ppm	10.8361 ppm	0.0354 ppm	0.0039 ppm	-0.0014 ppm
Concentration RSD	0.9 %	5.0 %	87.5 %	1.2 %	0.5 %	17.4 %	571.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	1.9991 ppm	0.0020 ppm	0.0246 ppm	0.0002 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	1.9944 ppm	0.0017 ppm	0.0242 ppm	0.0002 ppm	-0.0016 ppm	0.0003 ppm
Concentration per Run 2	0.0017 ppm	2.0155 ppm	0.0016 ppm	0.0248 ppm	0.0003 ppm	-0.0020 ppm	0.0003 ppm
Concentration per Run 3	-0.0015 ppm	1.9873 ppm	0.0026 ppm	0.0248 ppm	0.0001 ppm	-0.0011 ppm	-0.0001 ppm
Concentration RSD	3,312.0 %	0.7 %	28.5 %	1.4 %	39.6 %	31.2 %	151.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2592 ppm	104.2890 %	105.5552 %	105.9350 %	103.7743 %	103.7219 %	105.2607 %
Concentration per Run 1	0.2592 ppm	105.0473 %	105.0194 %	106.2184 %	104.7449 %	103.9728 %	104.3865 %
Concentration per Run 2	0.2609 ppm	104.5447 %	106.0786 %	105.4449 %	103.8859 %	102.7859 %	106.0534 %
Concentration per Run 3	0.2575 ppm	103.2749 %	105.5674 %	106.1418 %	102.6920 %	104.4069 %	105.3422 %
Concentration RSD	0.6 %	0.9 %	0.5 %	0.4 %	1.0 %	0.8 %	0.8 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511591-01 WG2037645
Analysis started at: 3/10/2025 20:46:48
Comments <Comment>
Rack: 2
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0130 ppm	0.0000 ppm	0.0149 ppm	0.0238 ppm	0.0000 ppm	25.4535 ppm
Concentration per Run 1	0.0001 ppm	0.0142 ppm	0.0006 ppm	0.0147 ppm	0.0233 ppm	0.0000 ppm	25.0493 ppm
Concentration per Run 2	0.0000 ppm	0.0137 ppm	0.0000 ppm	0.0150 ppm	0.0239 ppm	0.0000 ppm	25.5965 ppm
Concentration per Run 3	-0.0001 ppm	0.0111 ppm	-0.0007 ppm	0.0152 ppm	0.0241 ppm	0.0000 ppm	25.7147 ppm
Concentration RSD	17,143.6 %	13.0 %	13,114.2 %	1.7 %	1.6 %	440.4 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0009 ppm	0.0185 ppm	0.2212 ppm	2.3245 ppm	0.0052 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0007 ppm	0.0186 ppm	0.2179 ppm	2.2799 ppm	0.0048 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0009 ppm	0.0185 ppm	0.2230 ppm	2.3391 ppm	0.0055 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0011 ppm	0.0184 ppm	0.2228 ppm	2.3545 ppm	0.0052 ppm
Concentration RSD	31.1 %	54.3 %	24.5 %	0.5 %	1.3 %	1.7 %	7.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2166 ppm	0.0008 ppm	0.0015 ppm	7.1299 ppm	0.0008 ppm	0.0099 ppm	0.0001 ppm
Concentration per Run 1	5.2146 ppm	0.0009 ppm	0.0013 ppm	7.0189 ppm	0.0006 ppm	0.0099 ppm	-0.0023 ppm
Concentration per Run 2	5.2245 ppm	0.0008 ppm	0.0014 ppm	7.1749 ppm	0.0013 ppm	0.0092 ppm	0.0003 ppm
Concentration per Run 3	5.2106 ppm	0.0008 ppm	0.0018 ppm	7.1957 ppm	0.0006 ppm	0.0105 ppm	0.0024 ppm
Concentration RSD	0.1 %	6.1 %	18.0 %	1.4 %	48.0 %	6.4 %	2,167.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	8.9121 ppm	0.0008 ppm	0.0866 ppm	0.0004 ppm	-0.0012 ppm	0.0015 ppm
Concentration per Run 1	-0.0003 ppm	8.8915 ppm	-0.0003 ppm	0.0852 ppm	0.0004 ppm	0.0004 ppm	0.0016 ppm
Concentration per Run 2	0.0010 ppm	8.9178 ppm	0.0008 ppm	0.0870 ppm	0.0003 ppm	-0.0010 ppm	0.0016 ppm
Concentration per Run 3	0.0008 ppm	8.9271 ppm	0.0017 ppm	0.0874 ppm	0.0004 ppm	-0.0029 ppm	0.0013 ppm
Concentration RSD	138.6 %	0.2 %	128.7 %	1.3 %	15.9 %	141.1 %	10.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0280 ppm	103.0180 %	105.1816 %	104.3366 %	103.0514 %	103.1570 %	105.2502 %
Concentration per Run 1	0.0278 ppm	104.5105 %	105.2479 %	104.4815 %	104.7773 %	103.4034 %	105.3153 %
Concentration per Run 2	0.0282 ppm	102.4508 %	105.2567 %	104.5756 %	102.4707 %	103.1520 %	105.2909 %
Concentration per Run 3	0.0280 ppm	102.0927 %	105.0404 %	103.9528 %	101.9061 %	102.9155 %	105.1444 %
Concentration RSD	0.7 %	1.3 %	0.1 %	0.3 %	1.5 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 20:51:58
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4773 ppm	0.5273 ppm	0.4879 ppm	0.4794 ppm	0.4993 ppm	0.5025 ppm	0.5157 ppm
Concentration per Run 1	0.4764 ppm	0.5188 ppm	0.4877 ppm	0.4781 ppm	0.4918 ppm	0.4950 ppm	0.5099 ppm
Concentration per Run 2	0.4782 ppm	0.5296 ppm	0.4853 ppm	0.4800 ppm	0.5016 ppm	0.5059 ppm	0.5196 ppm
Concentration per Run 3	0.4773 ppm	0.5336 ppm	0.4905 ppm	0.4802 ppm	0.5045 ppm	0.5066 ppm	0.5177 ppm
Recovery Percentage 1	95.458 %	105.463 %	97.571 %	95.886 %	99.858 %	100.495 %	103.149 %
Concentration RSD	0.2 %	1.5 %	0.5 %	0.2 %	1.3 %	1.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4905 ppm	0.4848 ppm	0.4992 ppm	0.4824 ppm	0.5175 ppm	5.2331 ppm	0.5087 ppm
Concentration per Run 1	0.4896 ppm	0.4836 ppm	0.5010 ppm	0.4816 ppm	0.5104 ppm	5.1530 ppm	0.4996 ppm
Concentration per Run 2	0.4901 ppm	0.4851 ppm	0.4994 ppm	0.4830 ppm	0.5203 ppm	5.2741 ppm	0.5117 ppm
Concentration per Run 3	0.4918 ppm	0.4858 ppm	0.4972 ppm	0.4826 ppm	0.5218 ppm	5.2722 ppm	0.5148 ppm
Recovery Percentage 1	98.100 %	96.964 %	99.844 %	96.485 %	103.495 %	104.662 %	101.735 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	1.2 %	1.3 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5148 ppm	0.4969 ppm	0.4771 ppm	10.3008 ppm	0.4828 ppm	0.4762 ppm	0.4965 ppm
Concentration per Run 1	0.5164 ppm	0.4903 ppm	0.4754 ppm	10.1417 ppm	0.4824 ppm	0.4754 ppm	0.4972 ppm
Concentration per Run 2	0.5141 ppm	0.4998 ppm	0.4775 ppm	10.3462 ppm	0.4831 ppm	0.4785 ppm	0.4963 ppm
Concentration per Run 3	0.5138 ppm	0.5005 ppm	0.4784 ppm	10.4145 ppm	0.4830 ppm	0.4746 ppm	0.4960 ppm
Recovery Percentage 1	102.957 %	99.376 %	95.419 %	103.008 %	96.568 %	95.236 %	99.300 %
Concentration RSD	0.3 %	1.2 %	0.3 %	1.4 %	0.1 %	0.4 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4805 ppm	5.6157 ppm	0.5008 ppm	0.5061 ppm	0.4994 ppm	0.4612 ppm	0.4868 ppm
Concentration per Run 1	0.4797 ppm	5.6011 ppm	0.5002 ppm	0.4983 ppm	0.4990 ppm	0.4600 ppm	0.4875 ppm
Concentration per Run 2	0.4796 ppm	5.6227 ppm	0.5011 ppm	0.5086 ppm	0.4998 ppm	0.4620 ppm	0.4870 ppm
Concentration per Run 3	0.4821 ppm	5.6233 ppm	0.5012 ppm	0.5114 ppm	0.4993 ppm	0.4616 ppm	0.4860 ppm
Recovery Percentage 1	96.093 %	106.965 %	100.166 %	101.215 %	99.872 %	92.232 %	97.365 %
Concentration RSD	0.3 %	0.2 %	0.1 %	1.4 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4960 ppm	102.2949 %	105.0670 %	104.9189 %	102.2716 %	104.2608 %	104.8597 %
Concentration per Run 1	0.4957 ppm	102.7086 %	104.7739 %	104.9875 %	103.0481 %	104.4076 %	104.6955 %
Concentration per Run 2	0.4951 ppm	102.1688 %	104.9550 %	105.0242 %	101.9442 %	104.3143 %	104.7289 %
Concentration per Run 3	0.4971 ppm	102.0074 %	105.4722 %	104.7450 %	101.8224 %	104.0604 %	105.1546 %
Recovery Percentage 1	99.198 %						
Concentration RSD	0.2 %	0.4 %	0.3 %	0.1 %	0.7 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 20:56:50
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0055 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run 1	0.0000 ppm	0.0103 ppm	-0.0002 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run 2	0.0002 ppm	0.0020 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0069 ppm
Concentration per Run 3	-0.0001 ppm	0.0040 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0043 ppm
Recovery Percentage 1	0.439 %	5.462 %	2.278 %	1.139 %	2.047 %	2.305 %	4.712 %
Concentration RSD	774.3 %	78.8 %	259.7 %	13.2 %	46.3 %	30.9 %	42.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0042 ppm	0.0189 ppm	0.0006 ppm
Concentration per Run 1	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0033 ppm	0.0098 ppm	0.0006 ppm
Concentration per Run 2	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0151 ppm	0.0008 ppm
Concentration per Run 3	0.0003 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0048 ppm	0.0319 ppm	0.0005 ppm
Recovery Percentage 1	6.639 %	0.265 %	-1.079 %	2.283 %	8.307 %	0.757 %	6.272 %
Concentration RSD	16.7 %	246.6 %	169.9 %	33.4 %	17.8 %	60.8 %	24.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0087 ppm	0.0002 ppm	-0.0019 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0083 ppm	-0.0003 ppm	-0.0033 ppm	0.0004 ppm
Concentration per Run 2	0.0010 ppm	0.0004 ppm	0.0004 ppm	0.0076 ppm	0.0007 ppm	-0.0021 ppm	0.0023 ppm
Concentration per Run 3	-0.0006 ppm	0.0003 ppm	0.0005 ppm	0.0101 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	0.095 %	3.707 %	1.089 %	0.433 %	0.624 %	-19.209 %	1.926 %
Concentration RSD	867.5 %	11.4 %	24.4 %	14.9 %	324.4 %	77.8 %	116.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0066 ppm	0.0018 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0008 ppm	0.0066 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0009 ppm	0.0063 ppm	0.0014 ppm	0.0002 ppm	0.0002 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0022 ppm	0.0069 ppm	0.0016 ppm	0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0005 ppm
Recovery Percentage 1	13.008 %	1.319 %	3.508 %	2.066 %	1.920 %	-0.011 %	2.739 %
Concentration RSD	59.6 %	4.0 %	26.8 %	2.3 %	27.3 %	50,408.5 %	72.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0010 ppm	102.4841 %	104.9462 %	104.9911 %	100.7389 %	105.1975 %	103.3016 %
Concentration per Run 1	-0.0008 ppm	103.1732 %	103.9085 %	105.0334 %	101.5616 %	104.9101 %	102.1469 %
Concentration per Run 2	-0.0012 ppm	102.0024 %	105.8620 %	105.0222 %	100.3136 %	105.4565 %	104.1418 %
Concentration per Run 3	-0.0010 ppm	102.2766 %	105.0682 %	104.9175 %	100.3415 %	105.2259 %	103.6161 %
Recovery Percentage 1	-20.217 %						
Concentration RSD	17.4 %	0.6 %	0.9 %	0.1 %	0.7 %	0.3 %	1.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-1 WG2037800
Analysis started at: 3/10/2025 21:02:34
Comments <Comment>
Rack: 2
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0055 ppm	-0.0012 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0138 ppm
Concentration per Run 1	0.0002 ppm	0.0009 ppm	-0.0018 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run 2	0.0002 ppm	0.0119 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0130 ppm
Concentration per Run 3	0.0005 ppm	0.0037 ppm	-0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0123 ppm
Concentration RSD	69.8 %	103.8 %	68.4 %	390.0 %	116.0 %	165.9 %	14.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0070 ppm	0.0255 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0077 ppm	0.0296 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0070 ppm	0.0263 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0062 ppm	0.0204 ppm	-0.0004 ppm
Concentration RSD	15.2 %	137.3 %	246.6 %	74.9 %	10.4 %	18.3 %	165.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0051 ppm	0.0004 ppm	-0.0001 ppm	0.0068 ppm	-0.0005 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 1	0.0056 ppm	0.0005 ppm	-0.0001 ppm	0.0091 ppm	-0.0003 ppm	-0.0006 ppm	0.0013 ppm
Concentration per Run 2	0.0043 ppm	0.0002 ppm	-0.0001 ppm	0.0029 ppm	-0.0005 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 3	0.0056 ppm	0.0005 ppm	-0.0001 ppm	0.0085 ppm	-0.0006 ppm	-0.0014 ppm	0.0001 ppm
Concentration RSD	14.7 %	37.1 %	46.4 %	49.5 %	30.8 %	62.8 %	90.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	0.0027 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	-0.0011 ppm	0.0031 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0025 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0026 ppm	0.0000 ppm
Concentration per Run 3	0.0008 ppm	0.0024 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	859.7 %	13.4 %	318.5 %	51.3 %	53.4 %	671.7 %	44.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0010 ppm	104.0303 %	107.1969 %	105.6879 %	102.1480 %	104.9726 %	105.4319 %
Concentration per Run 1	-0.0012 ppm	105.1555 %	107.7002 %	105.8018 %	103.6816 %	105.4444 %	105.9614 %
Concentration per Run 2	-0.0009 ppm	103.3849 %	106.8056 %	105.5778 %	101.3657 %	104.6946 %	104.8694 %
Concentration per Run 3	-0.0009 ppm	103.5507 %	107.0850 %	105.6840 %	101.3968 %	104.7788 %	105.4649 %
Concentration RSD	18.2 %	0.9 %	0.4 %	0.1 %	1.3 %	0.4 %	0.5 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-2 WG2037800
Analysis started at: 3/10/2025 21:07:47
Comments <Comment>
Rack: 2
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0489 ppm	2.0740 ppm	0.1094 ppm	0.9249 ppm	1.9825 ppm	0.0498 ppm	9.9738 ppm
Concentration per Run 1	0.0487 ppm	2.0457 ppm	0.1126 ppm	0.9255 ppm	1.9337 ppm	0.0493 ppm	9.8694 ppm
Concentration per Run 2	0.0491 ppm	2.0814 ppm	0.1090 ppm	0.9251 ppm	1.9994 ppm	0.0497 ppm	9.9649 ppm
Concentration per Run 3	0.0488 ppm	2.0949 ppm	0.1068 ppm	0.9242 ppm	2.0143 ppm	0.0505 ppm	10.0871 ppm
Concentration RSD	0.4 %	1.2 %	2.6 %	0.1 %	2.2 %	1.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0506 ppm	0.4634 ppm	0.1999 ppm	0.2470 ppm	1.0222 ppm	10.5907 ppm	0.0002 ppm
Concentration per Run 1	0.0508 ppm	0.4661 ppm	0.1985 ppm	0.2451 ppm	1.0078 ppm	10.4887 ppm	0.0005 ppm
Concentration per Run 2	0.0505 ppm	0.4625 ppm	0.2007 ppm	0.2479 ppm	1.0226 ppm	10.5746 ppm	0.0007 ppm
Concentration per Run 3	0.0505 ppm	0.4615 ppm	0.2006 ppm	0.2480 ppm	1.0363 ppm	10.7089 ppm	-0.0005 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.7 %	1.4 %	1.0 %	276.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1325 ppm	0.5011 ppm	0.9251 ppm	10.5479 ppm	0.4682 ppm	0.4951 ppm	0.4720 ppm
Concentration per Run 1	10.0818 ppm	0.4957 ppm	0.9287 ppm	10.4493 ppm	0.4694 ppm	0.4984 ppm	0.4702 ppm
Concentration per Run 2	10.1473 ppm	0.5001 ppm	0.9247 ppm	10.5233 ppm	0.4693 ppm	0.4943 ppm	0.4716 ppm
Concentration per Run 3	10.1684 ppm	0.5074 ppm	0.9217 ppm	10.6713 ppm	0.4658 ppm	0.4926 ppm	0.4743 ppm
Concentration RSD	0.4 %	1.2 %	0.4 %	1.1 %	0.4 %	0.6 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1057 ppm	0.9064 ppm	0.9334 ppm	1.0042 ppm	0.9905 ppm	0.0981 ppm	0.4872 ppm
Concentration per Run 1	0.1060 ppm	0.9092 ppm	0.9359 ppm	0.9925 ppm	0.9851 ppm	0.0995 ppm	0.4846 ppm
Concentration per Run 2	0.1053 ppm	0.9065 ppm	0.9321 ppm	1.0021 ppm	0.9914 ppm	0.0967 ppm	0.4881 ppm
Concentration per Run 3	0.1060 ppm	0.9033 ppm	0.9320 ppm	1.0181 ppm	0.9951 ppm	0.0981 ppm	0.4888 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	1.3 %	0.5 %	1.4 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4825 ppm	102.6314 %	105.1139 %	104.8527 %	101.9116 %	105.8943 %	104.0218 %
Concentration per Run 1	0.4845 ppm	103.4815 %	105.6550 %	105.0615 %	102.9184 %	105.5884 %	104.6547 %
Concentration per Run 2	0.4819 ppm	102.8792 %	104.9846 %	104.7716 %	102.0270 %	106.0055 %	103.8361 %
Concentration per Run 3	0.4811 ppm	101.5335 %	104.7022 %	104.7250 %	100.7896 %	106.0888 %	103.5746 %
Concentration RSD	0.4 %	1.0 %	0.5 %	0.2 %	1.0 %	0.3 %	0.5 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511591-02 WG2037645
Analysis started at: 3/10/2025 21:12:48
Comments <Comment>
Rack: 2
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0021 ppm	-0.0005 ppm	0.0152 ppm	0.0234 ppm	0.0000 ppm	25.7606 ppm
Concentration per Run 1	-0.0001 ppm	0.0043 ppm	-0.0006 ppm	0.0147 ppm	0.0231 ppm	0.0000 ppm	25.4968 ppm
Concentration per Run 2	0.0002 ppm	0.0004 ppm	-0.0004 ppm	0.0153 ppm	0.0235 ppm	0.0000 ppm	25.9442 ppm
Concentration per Run 3	0.0002 ppm	0.0017 ppm	-0.0006 ppm	0.0156 ppm	0.0237 ppm	0.0000 ppm	25.8407 ppm
Concentration RSD	123.8 %	93.0 %	25.4 %	2.8 %	1.3 %	189.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0060 ppm	0.0408 ppm	2.3173 ppm	0.0054 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0060 ppm	0.0400 ppm	2.3064 ppm	0.0053 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0061 ppm	0.0403 ppm	2.3281 ppm	0.0052 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0060 ppm	0.0420 ppm	2.3174 ppm	0.0056 ppm
Concentration RSD	14.5 %	2,553.1 %	54.8 %	1.0 %	2.6 %	0.5 %	3.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2755 ppm	0.0005 ppm	0.0022 ppm	7.2140 ppm	0.0006 ppm	-0.0014 ppm	0.0010 ppm
Concentration per Run 1	5.2917 ppm	0.0006 ppm	0.0024 ppm	7.1221 ppm	0.0005 ppm	-0.0014 ppm	0.0017 ppm
Concentration per Run 2	5.2715 ppm	0.0002 ppm	0.0022 ppm	7.2637 ppm	0.0009 ppm	-0.0003 ppm	-0.0005 ppm
Concentration per Run 3	5.2634 ppm	0.0005 ppm	0.0020 ppm	7.2560 ppm	0.0004 ppm	-0.0024 ppm	0.0019 ppm
Concentration RSD	0.3 %	47.0 %	8.9 %	1.1 %	40.0 %	75.8 %	132.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	8.8186 ppm	0.0013 ppm	0.0866 ppm	0.0005 ppm	-0.0021 ppm	0.0013 ppm
Concentration per Run 1	0.0005 ppm	8.8398 ppm	0.0008 ppm	0.0856 ppm	0.0004 ppm	-0.0013 ppm	0.0014 ppm
Concentration per Run 2	0.0012 ppm	8.8015 ppm	0.0014 ppm	0.0869 ppm	0.0006 ppm	-0.0033 ppm	0.0012 ppm
Concentration per Run 3	-0.0003 ppm	8.8144 ppm	0.0016 ppm	0.0872 ppm	0.0005 ppm	-0.0016 ppm	0.0013 ppm
Concentration RSD	159.0 %	0.2 %	32.6 %	1.0 %	19.2 %	54.7 %	5.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0098 ppm	103.3803 %	106.0658 %	105.1619 %	102.5316 %	104.6917 %	104.9720 %
Concentration per Run 1	0.0098 ppm	103.9353 %	106.1462 %	105.1080 %	103.3995 %	104.5251 %	105.0666 %
Concentration per Run 2	0.0097 ppm	102.8598 %	106.1348 %	105.3053 %	101.9275 %	104.8946 %	104.9725 %
Concentration per Run 3	0.0098 ppm	103.3459 %	105.9163 %	105.0724 %	102.2679 %	104.6556 %	104.8770 %
Concentration RSD	0.3 %	0.5 %	0.1 %	0.1 %	0.8 %	0.2 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511436-06 WG2037800
Analysis started at: 3/10/2025 21:18:03
Comments <Comment>
Rack: 2
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	1.2407 ppm	0.0039 ppm	0.2684 ppm	0.2907 ppm	0.0002 ppm	63.1638 ppm
Concentration per Run 1	0.0005 ppm	1.2224 ppm	0.0054 ppm	0.2686 ppm	0.2866 ppm	0.0002 ppm	62.4521 ppm
Concentration per Run 2	0.0000 ppm	1.2439 ppm	0.0038 ppm	0.2715 ppm	0.2920 ppm	0.0002 ppm	63.5733 ppm
Concentration per Run 3	0.0000 ppm	1.2557 ppm	0.0026 ppm	0.2652 ppm	0.2936 ppm	0.0002 ppm	63.4662 ppm
Concentration RSD	188.1 %	1.4 %	35.4 %	1.2 %	1.3 %	15.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0010 ppm	0.0067 ppm	0.0038 ppm	0.0031 ppm	79.1315 ppm	13.3762 ppm	0.0009 ppm
Concentration per Run 1	-0.0010 ppm	0.0066 ppm	0.0041 ppm	0.0032 ppm	78.1086 ppm	13.1950 ppm	0.0010 ppm
Concentration per Run 2	-0.0010 ppm	0.0071 ppm	0.0038 ppm	0.0033 ppm	79.5898 ppm	13.4535 ppm	0.0010 ppm
Concentration per Run 3	-0.0009 ppm	0.0065 ppm	0.0036 ppm	0.0029 ppm	79.6963 ppm	13.4802 ppm	0.0006 ppm
Concentration RSD	5.0 %	5.2 %	5.6 %	6.3 %	1.1 %	1.2 %	26.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.9727 ppm	2.3990 ppm	-0.0001 ppm	16.1442 ppm	0.0002 ppm	0.0008 ppm	-0.0041 ppm
Concentration per Run 1	14.9561 ppm	2.3668 ppm	-0.0001 ppm	15.9211 ppm	0.0005 ppm	0.0002 ppm	-0.0052 ppm
Concentration per Run 2	14.9724 ppm	2.4119 ppm	-0.0007 ppm	16.2294 ppm	0.0002 ppm	0.0005 ppm	-0.0037 ppm
Concentration per Run 3	14.9897 ppm	2.4184 ppm	0.0003 ppm	16.2819 ppm	-0.0001 ppm	0.0016 ppm	-0.0036 ppm
Concentration RSD	0.1 %	1.2 %	361.3 %	1.2 %	166.6 %	99.3 %	21.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	8.7621 ppm	0.0016 ppm	0.2273 ppm	0.0517 ppm	-0.0017 ppm	0.0153 ppm
Concentration per Run 1	-0.0012 ppm	8.7621 ppm	0.0024 ppm	0.2244 ppm	0.0521 ppm	-0.0030 ppm	0.0153 ppm
Concentration per Run 2	-0.0007 ppm	8.8654 ppm	0.0007 ppm	0.2284 ppm	0.0517 ppm	-0.0023 ppm	0.0154 ppm
Concentration per Run 3	-0.0007 ppm	8.6589 ppm	0.0016 ppm	0.2291 ppm	0.0514 ppm	0.0003 ppm	0.0153 ppm
Concentration RSD	32.8 %	1.2 %	53.1 %	1.1 %	0.7 %	102.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0106 ppm	110.0464 %	108.6065 %	106.5097 %	103.5220 %	101.1825 %	101.5582 %
Concentration per Run 1	0.0105 ppm	111.2840 %	108.8363 %	106.5141 %	104.9637 %	101.2694 %	101.7196 %
Concentration per Run 2	0.0108 ppm	109.4966 %	108.4068 %	106.2915 %	102.8611 %	99.9899 %	101.4475 %
Concentration per Run 3	0.0105 ppm	109.3585 %	108.5764 %	106.7233 %	102.7410 %	102.2882 %	101.5074 %
Concentration RSD	1.5 %	1.0 %	0.2 %	0.2 %	1.2 %	1.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-3 WG2037800
Analysis started at: 3/10/2025 21:25:25
Comments <Comment>
Rack: 2
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0505 ppm	3.5207 ppm	0.1193 ppm	1.2576 [SIC 20]	2.3541 ppm	0.0505 ppm	74.0925 ppm
Concentration per Run 1	0.0507 ppm	3.4890 ppm	0.1196 ppm	1.2513 ppm	2.3225 ppm	0.0501 ppm	73.4050 ppm
Concentration per Run 2	0.0505 ppm	3.5254 ppm	0.1162 ppm	1.2620 ppm	2.3584 ppm	0.0506 ppm	74.5047 ppm
Concentration per Run 3	0.0502 ppm	3.5475 ppm	0.1222 ppm	1.2595 ppm	2.3813 ppm	0.0508 ppm	74.3678 ppm
Concentration RSD	0.6 %	0.8 %	2.5 %	0.4 %	1.3 %	0.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0500 ppm	0.4907 ppm	0.2026 ppm	0.2657 ppm	81.0219 ppm	24.6176 ppm	0.0009 ppm
Concentration per Run 1	0.0499 ppm	0.4892 ppm	0.2031 ppm	0.2661 ppm	80.2392 ppm	24.3869 ppm	0.0007 ppm
Concentration per Run 2	0.0502 ppm	0.4928 ppm	0.2030 ppm	0.2647 ppm	81.3841 ppm	24.7161 ppm	0.0013 ppm
Concentration per Run 3	0.0499 ppm	0.4902 ppm	0.2017 ppm	0.2663 ppm	81.4424 ppm	24.7497 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.3 %	0.8 %	0.8 %	43.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	25.5342 ppm	2.9262 ppm	0.9556 ppm	27.4902 ppm	0.4874 ppm	0.5242 ppm	0.4972 ppm
Concentration per Run 1	25.5548 ppm	2.8976 ppm	0.9511 ppm	27.2360 ppm	0.4856 ppm	0.5223 ppm	0.4959 ppm
Concentration per Run 2	25.6176 ppm	2.9379 ppm	0.9602 ppm	27.5755 ppm	0.4889 ppm	0.5278 ppm	0.4994 ppm
Concentration per Run 3	25.4302 ppm	2.9430 ppm	0.9555 ppm	27.6591 ppm	0.4877 ppm	0.5225 ppm	0.4964 ppm
Concentration RSD	0.4 %	0.9 %	0.5 %	0.8 %	0.3 %	0.6 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1148 ppm	10.0152 ppm	0.9614 ppm	1.2550 ppm	1.0589 ppm	0.1102 ppm	0.5064 ppm
Concentration per Run 1	0.1142 ppm	9.9591 ppm	0.9594 ppm	1.2449 ppm	1.0606 ppm	0.1089 ppm	0.5072 ppm
Concentration per Run 2	0.1144 ppm	10.0577 ppm	0.9619 ppm	1.2577 ppm	1.0605 ppm	0.1091 ppm	0.5068 ppm
Concentration per Run 3	0.1159 ppm	10.0288 ppm	0.9627 ppm	1.2624 ppm	1.0558 ppm	0.1126 ppm	0.5050 ppm
Concentration RSD	0.8 %	0.5 %	0.2 %	0.7 %	0.3 %	1.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4929 ppm	107.9704 %	107.1916 %	105.3123 %	102.3044 %	101.3983 %	100.5985 %
Concentration per Run 1	0.4915 ppm	109.1311 %	107.1058 %	105.9692 %	103.7166 %	101.9961 %	100.5089 %
Concentration per Run 2	0.4941 ppm	107.2603 %	107.1424 %	104.6695 %	101.7509 %	101.0480 %	100.5712 %
Concentration per Run 3	0.4930 ppm	107.5199 %	107.3267 %	105.2982 %	101.4456 %	101.1507 %	100.7155 %
Concentration RSD	0.3 %	0.9 %	0.1 %	0.6 %	1.2 %	0.5 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-4 WG2037800
Analysis started at: 3/10/2025 21:30:27
Comments <Comment>
Rack: 2
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0503 ppm	3.5533 ppm	0.1194 ppm	1.2586 [SIC 20]	2.3375 ppm	0.0506 ppm	73.9726 ppm
Concentration per Run 1	0.0502 ppm	3.5384 ppm	0.1209 ppm	1.2512 ppm	2.2931 ppm	0.0504 ppm	73.6490 ppm
Concentration per Run 2	0.0504 ppm	3.5624 ppm	0.1176 ppm	1.2537 ppm	2.3331 ppm	0.0507 ppm	74.1701 ppm
Concentration per Run 3	0.0503 ppm	3.5592 ppm	0.1198 ppm	1.2708 ppm	2.3864 ppm	0.0506 ppm	74.0987 ppm
Concentration RSD	0.2 %	0.4 %	1.4 %	0.8 %	2.0 %	0.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0504 ppm	0.4912 ppm	0.2014 ppm	0.2658 ppm	80.9080 ppm	24.6272 ppm	0.0010 ppm
Concentration per Run 1	0.0501 ppm	0.4884 ppm	0.2026 ppm	0.2653 ppm	80.6473 ppm	24.5904 ppm	0.0006 ppm
Concentration per Run 2	0.0502 ppm	0.4899 ppm	0.2008 ppm	0.2661 ppm	80.9809 ppm	24.6006 ppm	0.0011 ppm
Concentration per Run 3	0.0510 ppm	0.4953 ppm	0.2008 ppm	0.2661 ppm	81.0959 ppm	24.6908 ppm	0.0012 ppm
Concentration RSD	1.0 %	0.7 %	0.5 %	0.2 %	0.3 %	0.2 %	33.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	25.5129 ppm	2.9335 ppm	0.9557 ppm	27.5248 ppm	0.4881 ppm	0.5221 ppm	0.4983 ppm
Concentration per Run 1	25.6146 ppm	2.9219 ppm	0.9497 ppm	27.5087 ppm	0.4857 ppm	0.5187 ppm	0.4942 ppm
Concentration per Run 2	25.4126 ppm	2.9412 ppm	0.9523 ppm	27.5053 ppm	0.4855 ppm	0.5209 ppm	0.4968 ppm
Concentration per Run 3	25.5117 ppm	2.9374 ppm	0.9651 ppm	27.5605 ppm	0.4931 ppm	0.5265 ppm	0.5041 ppm
Concentration RSD	0.4 %	0.3 %	0.9 %	0.1 %	0.9 %	0.8 %	1.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1150 ppm	10.0340 ppm	0.9622 ppm	1.2598 ppm	1.0575 ppm	0.1091 ppm	0.5064 ppm
Concentration per Run 1	0.1155 ppm	9.9774 ppm	0.9574 ppm	1.2538 ppm	1.0600 ppm	0.1113 ppm	0.5082 ppm
Concentration per Run 2	0.1135 ppm	10.0017 ppm	0.9554 ppm	1.2610 ppm	1.0554 ppm	0.1069 ppm	0.5049 ppm
Concentration per Run 3	0.1161 ppm	10.1227 ppm	0.9739 ppm	1.2646 ppm	1.0572 ppm	0.1090 ppm	0.5060 ppm
Concentration RSD	1.2 %	0.8 %	1.1 %	0.4 %	0.2 %	2.0 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4943 ppm	108.2811 %	107.2714 %	105.5835 %	102.3268 %	101.2520 %	100.6697 %
Concentration per Run 1	0.4920 ppm	109.0606 %	107.0811 %	105.7810 %	103.1066 %	101.8999 %	100.4354 %
Concentration per Run 2	0.4926 ppm	107.7574 %	107.6201 %	105.7895 %	101.8830 %	101.5904 %	100.9522 %
Concentration per Run 3	0.4984 ppm	108.0253 %	107.1129 %	105.1801 %	101.9909 %	100.2656 %	100.6214 %
Concentration RSD	0.7 %	0.6 %	0.3 %	0.3 %	0.7 %	0.9 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-5 WG2037800
Analysis started at: 3/10/2025 21:35:33
Comments <Comment>
Rack: 2
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0219 ppm	3.2478 ppm	0.1264 ppm	1.2296 [SIC 20]	2.2506 ppm	0.0492 ppm	70.9955 ppm
Concentration per Run 1	0.0223 ppm	3.2257 ppm	0.1273 ppm	1.2262 ppm	2.2429 ppm	0.0488 ppm	70.7004 ppm
Concentration per Run 2	0.0216 ppm	3.2535 ppm	0.1270 ppm	1.2277 ppm	2.2470 ppm	0.0492 ppm	71.0204 ppm
Concentration per Run 3	0.0219 ppm	3.2643 ppm	0.1249 ppm	1.2350 ppm	2.2619 ppm	0.0495 ppm	71.2657 ppm
Concentration RSD	1.5 %	0.6 %	1.0 %	0.4 %	0.4 %	0.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0498 ppm	0.4841 ppm	0.1970 ppm	0.2596 ppm	77.2347 ppm	24.0071 ppm	0.0008 ppm
Concentration per Run 1	0.0497 ppm	0.4830 ppm	0.1977 ppm	0.2591 ppm	76.7916 ppm	23.8354 ppm	0.0008 ppm
Concentration per Run 2	0.0497 ppm	0.4827 ppm	0.1968 ppm	0.2600 ppm	77.3053 ppm	24.0330 ppm	0.0012 ppm
Concentration per Run 3	0.0499 ppm	0.4867 ppm	0.1965 ppm	0.2597 ppm	77.6071 ppm	24.1530 ppm	0.0003 ppm
Concentration RSD	0.1 %	0.5 %	0.3 %	0.2 %	0.5 %	0.7 %	54.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	24.4744 ppm	2.7903 ppm	0.9412 ppm	26.3813 ppm	0.4792 ppm	0.5226 ppm	0.4806 ppm
Concentration per Run 1	24.5252 ppm	2.7732 ppm	0.9373 ppm	26.2202 ppm	0.4784 ppm	0.5223 ppm	0.4778 ppm
Concentration per Run 2	24.4747 ppm	2.7939 ppm	0.9404 ppm	26.4068 ppm	0.4776 ppm	0.5211 ppm	0.4792 ppm
Concentration per Run 3	24.4233 ppm	2.8038 ppm	0.9460 ppm	26.5171 ppm	0.4817 ppm	0.5244 ppm	0.4846 ppm
Concentration RSD	0.2 %	0.6 %	0.5 %	0.6 %	0.5 %	0.3 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1224 ppm	9.2624 ppm	0.9613 ppm	1.2263 ppm	1.0322 ppm	0.1154 ppm	0.4968 ppm
Concentration per Run 1	0.1228 ppm	9.2439 ppm	0.9590 ppm	1.2189 ppm	1.0337 ppm	0.1173 ppm	0.4971 ppm
Concentration per Run 2	0.1209 ppm	9.2450 ppm	0.9600 ppm	1.2286 ppm	1.0321 ppm	0.1157 ppm	0.4971 ppm
Concentration per Run 3	0.1234 ppm	9.2983 ppm	0.9649 ppm	1.2315 ppm	1.0309 ppm	0.1132 ppm	0.4961 ppm
Concentration RSD	1.0 %	0.3 %	0.3 %	0.5 %	0.1 %	1.8 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4850 ppm	108.3450 %	106.9375 %	105.8168 %	103.0852 %	101.2695 %	101.5076 %
Concentration per Run 1	0.4839 ppm	109.1485 %	106.8722 %	106.0825 %	103.8183 %	101.5452 %	101.4506 %
Concentration per Run 2	0.4850 ppm	108.2270 %	106.8577 %	105.8688 %	103.0980 %	101.4708 %	101.4664 %
Concentration per Run 3	0.4860 ppm	107.6596 %	107.0825 %	105.4991 %	102.3393 %	100.7924 %	101.6058 %
Concentration RSD	0.2 %	0.7 %	0.1 %	0.3 %	0.7 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2037800-6D5 WG2037800
Analysis started at: 3/10/2025 21:40:36
Comments <Comment>
Rack: 2
Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.2534 ppm	0.0020 ppm	0.0569 ppm	0.0592 ppm	0.0000 ppm	12.8242 ppm
Concentration per Run 1	0.0001 ppm	0.2478 ppm	0.0018 ppm	0.0570 ppm	0.0583 ppm	0.0000 ppm	12.7084 ppm
Concentration per Run 2	0.0000 ppm	0.2562 ppm	0.0017 ppm	0.0576 ppm	0.0595 ppm	0.0000 ppm	12.8999 ppm
Concentration per Run 3	0.0001 ppm	0.2561 ppm	0.0024 ppm	0.0562 ppm	0.0596 ppm	0.0000 ppm	12.8642 ppm
Concentration RSD	54.9 %	1.9 %	19.6 %	1.2 %	1.2 %	12.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0017 ppm	0.0007 ppm	0.0006 ppm	16.2959 ppm	2.6506 ppm	0.0012 ppm
Concentration per Run 1	-0.0002 ppm	0.0017 ppm	0.0008 ppm	0.0006 ppm	16.1098 ppm	2.6098 ppm	0.0014 ppm
Concentration per Run 2	-0.0001 ppm	0.0016 ppm	0.0006 ppm	0.0007 ppm	16.3796 ppm	2.6726 ppm	0.0017 ppm
Concentration per Run 3	-0.0001 ppm	0.0017 ppm	0.0006 ppm	0.0005 ppm	16.3984 ppm	2.6694 ppm	0.0005 ppm
Concentration RSD	11.6 %	4.1 %	19.0 %	15.0 %	1.0 %	1.3 %	53.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.0994 ppm	0.4943 ppm	0.0006 ppm	3.1697 ppm	0.0000 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run 1	3.0931 ppm	0.4872 ppm	0.0006 ppm	3.1262 ppm	0.0005 ppm	0.0015 ppm	0.0026 ppm
Concentration per Run 2	3.0960 ppm	0.4978 ppm	0.0009 ppm	3.1939 ppm	0.0001 ppm	-0.0011 ppm	0.0034 ppm
Concentration per Run 3	3.1092 ppm	0.4978 ppm	0.0004 ppm	3.1890 ppm	-0.0005 ppm	0.0005 ppm	0.0007 ppm
Concentration RSD	0.3 %	1.2 %	42.7 %	1.2 %	1,092.6 %	442.3 %	62.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	1.7847 ppm	0.0040 ppm	0.0465 ppm	0.0106 ppm	-0.0002 ppm	0.0032 ppm
Concentration per Run 1	0.0024 ppm	1.7766 ppm	0.0035 ppm	0.0458 ppm	0.0105 ppm	-0.0021 ppm	0.0031 ppm
Concentration per Run 2	0.0000 ppm	1.7939 ppm	0.0046 ppm	0.0468 ppm	0.0106 ppm	0.0013 ppm	0.0032 ppm
Concentration per Run 3	0.0020 ppm	1.7835 ppm	0.0039 ppm	0.0469 ppm	0.0107 ppm	0.0004 ppm	0.0033 ppm
Concentration RSD	89.7 %	0.5 %	13.7 %	1.4 %	0.9 %	1,089.4 %	3.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	104.8259 %	105.8089 %	105.0248 %	103.9230 %	101.9147 %	104.6578 %
Concentration per Run 1	0.0022 ppm	105.2945 %	105.9832 %	105.2217 %	104.7981 %	102.4922 %	104.8892 %
Concentration per Run 2	0.0019 ppm	104.7483 %	105.9556 %	104.8818 %	103.6438 %	101.5659 %	104.7406 %
Concentration per Run 3	0.0020 ppm	104.4350 %	105.4880 %	104.9708 %	103.3272 %	101.6862 %	104.3437 %
Concentration RSD	7.6 %	0.4 %	0.3 %	0.2 %	0.7 %	0.5 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2510283-04 WG2037800
Analysis started at: 3/10/2025 21:45:45
Comments <Comment>
Rack: 2
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.3084 ppm	0.0048 ppm	0.2735 ppm	0.0294 ppm	0.0000 ppm	41.7225 ppm
Concentration per Run 1	0.0001 ppm	0.3031 ppm	0.0047 ppm	0.2723 ppm	0.0294 ppm	0.0000 ppm	41.5270 ppm
Concentration per Run 2	0.0002 ppm	0.3085 ppm	0.0045 ppm	0.2750 ppm	0.0295 ppm	0.0000 ppm	41.8192 ppm
Concentration per Run 3	0.0005 ppm	0.3136 ppm	0.0052 ppm	0.2732 ppm	0.0294 ppm	0.0000 ppm	41.8212 ppm
Concentration RSD	71.8 %	1.7 %	7.5 %	0.5 %	0.1 %	68.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0031 ppm	0.0043 ppm	0.0077 ppm	1.0868 ppm	31.7397 ppm	0.0034 ppm
Concentration per Run 1	-0.0002 ppm	0.0029 ppm	0.0043 ppm	0.0075 ppm	1.0813 ppm	31.5637 ppm	0.0030 ppm
Concentration per Run 2	-0.0003 ppm	0.0030 ppm	0.0042 ppm	0.0078 ppm	1.0896 ppm	31.8246 ppm	0.0037 ppm
Concentration per Run 3	-0.0002 ppm	0.0033 ppm	0.0044 ppm	0.0077 ppm	1.0895 ppm	31.8308 ppm	0.0036 ppm
Concentration RSD	43.2 %	5.8 %	3.2 %	2.4 %	0.4 %	0.5 %	12.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.1898 ppm	0.4104 ppm	0.0024 ppm	105.2734 ppm	0.0121 ppm	0.0026 ppm	0.0011 ppm
Concentration per Run 1	9.1584 ppm	0.4092 ppm	0.0019 ppm	104.6611 ppm	0.0118 ppm	0.0028 ppm	0.0024 ppm
Concentration per Run 2	9.2014 ppm	0.4108 ppm	0.0026 ppm	104.8231 ppm	0.0121 ppm	0.0026 ppm	-0.0003 ppm
Concentration per Run 3	9.2098 ppm	0.4111 ppm	0.0027 ppm	106.3360 ppm	0.0123 ppm	0.0024 ppm	0.0012 ppm
Concentration RSD	0.3 %	0.3 %	17.9 %	0.9 %	2.0 %	7.8 %	121.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	2.7499 ppm	0.0019 ppm	0.1547 ppm	0.0148 ppm	-0.0021 ppm	0.0024 ppm
Concentration per Run 1	0.0025 ppm	2.7337 ppm	0.0024 ppm	0.1540 ppm	0.0147 ppm	-0.0011 ppm	0.0026 ppm
Concentration per Run 2	0.0003 ppm	2.7647 ppm	0.0020 ppm	0.1553 ppm	0.0147 ppm	-0.0038 ppm	0.0024 ppm
Concentration per Run 3	-0.0001 ppm	2.7513 ppm	0.0013 ppm	0.1549 ppm	0.0149 ppm	-0.0016 ppm	0.0023 ppm
Concentration RSD	157.1 %	0.6 %	27.2 %	0.4 %	1.0 %	67.3 %	5.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0409 ppm	102.7281 %	100.8363 %	103.2575 %	103.7767 %	102.7339 %	101.5536 %
Concentration per Run 1	0.0407 ppm	103.2080 %	101.1268 %	103.8873 %	104.4490 %	103.2329 %	101.7859 %
Concentration per Run 2	0.0410 ppm	102.7163 %	100.6719 %	102.7686 %	103.5573 %	102.2872 %	101.4637 %
Concentration per Run 3	0.0410 ppm	102.2598 %	100.7101 %	103.1164 %	103.3238 %	102.6815 %	101.4111 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.6 %	0.6 %	0.5 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 21:51:02
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4688 ppm	0.5192 ppm	0.4879 ppm	0.4858 ppm	0.4956 ppm	0.4973 ppm	0.4997 ppm
Concentration per Run 1	0.4684 ppm	0.5135 ppm	0.4868 ppm	0.4852 ppm	0.4881 ppm	0.4912 ppm	0.4934 ppm
Concentration per Run 2	0.4687 ppm	0.5211 ppm	0.4886 ppm	0.4863 ppm	0.4985 ppm	0.4999 ppm	0.5030 ppm
Concentration per Run 3	0.4692 ppm	0.5232 ppm	0.4884 ppm	0.4859 ppm	0.5003 ppm	0.5008 ppm	0.5028 ppm
Recovery Percentage 1	93.753 %	103.850 %	97.586 %	97.161 %	99.126 %	99.455 %	99.949 %
Concentration RSD	0.1 %	1.0 %	0.2 %	0.1 %	1.3 %	1.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5062 ppm	0.4983 ppm	0.4926 ppm	0.4810 ppm	0.5044 ppm	5.2540 ppm	0.5032 ppm
Concentration per Run 1	0.5046 ppm	0.4977 ppm	0.4909 ppm	0.4821 ppm	0.4976 ppm	5.1836 ppm	0.4967 ppm
Concentration per Run 2	0.5056 ppm	0.4980 ppm	0.4940 ppm	0.4801 ppm	0.5078 ppm	5.2967 ppm	0.5057 ppm
Concentration per Run 3	0.5083 ppm	0.4992 ppm	0.4928 ppm	0.4807 ppm	0.5079 ppm	5.2817 ppm	0.5072 ppm
Recovery Percentage 1	101.231 %	99.664 %	98.515 %	96.195 %	100.889 %	105.081 %	100.640 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	1.2 %	1.2 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5099 ppm	0.4895 ppm	0.4795 ppm	10.0892 ppm	0.4901 ppm	0.4833 ppm	0.5025 ppm
Concentration per Run 1	0.5086 ppm	0.4849 ppm	0.4796 ppm	9.9604 ppm	0.4898 ppm	0.4830 ppm	0.5028 ppm
Concentration per Run 2	0.5120 ppm	0.4913 ppm	0.4786 ppm	10.1260 ppm	0.4887 ppm	0.4810 ppm	0.5027 ppm
Concentration per Run 3	0.5091 ppm	0.4922 ppm	0.4803 ppm	10.1811 ppm	0.4919 ppm	0.4859 ppm	0.5021 ppm
Recovery Percentage 1	101.976 %	97.894 %	95.901 %	100.892 %	98.026 %	96.667 %	100.504 %
Concentration RSD	0.4 %	0.8 %	0.2 %	1.1 %	0.3 %	0.5 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4836 ppm	5.6712 ppm	0.5095 ppm	0.5044 ppm	0.4921 ppm	0.4702 ppm	0.4834 ppm
Concentration per Run 1	0.4849 ppm	5.6663 ppm	0.5103 ppm	0.4969 ppm	0.4909 ppm	0.4673 ppm	0.4822 ppm
Concentration per Run 2	0.4853 ppm	5.6743 ppm	0.5076 ppm	0.5068 ppm	0.4922 ppm	0.4698 ppm	0.4836 ppm
Concentration per Run 3	0.4806 ppm	5.6730 ppm	0.5107 ppm	0.5094 ppm	0.4933 ppm	0.4733 ppm	0.4844 ppm
Recovery Percentage 1	96.717 %	108.023 %	101.909 %	100.879 %	98.427 %	94.032 %	96.684 %
Concentration RSD	0.5 %	0.1 %	0.3 %	1.3 %	0.3 %	0.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5039 ppm	102.0442 %	104.1226 %	105.0029 %	103.1591 %	102.7160 %	105.7886 %
Concentration per Run 1	0.5025 ppm	102.6920 %	104.3898 %	104.8013 %	103.9495 %	102.7062 %	106.0329 %
Concentration per Run 2	0.5031 ppm	101.8456 %	104.0275 %	104.9697 %	102.8342 %	102.8184 %	105.7183 %
Concentration per Run 3	0.5060 ppm	101.5950 %	103.9503 %	105.2376 %	102.6935 %	102.6234 %	105.6145 %
Recovery Percentage 1	100.778 %						
Concentration RSD	0.4 %	0.6 %	0.2 %	0.2 %	0.7 %	0.1 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 21:55:55
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0037 ppm	0.0004 ppm	0.0013 ppm	0.0003 ppm	0.0002 ppm	0.0123 ppm
Concentration per Run 1	0.0006 ppm	0.0022 ppm	-0.0014 ppm	0.0013 ppm	0.0003 ppm	0.0002 ppm	0.0133 ppm
Concentration per Run 2	0.0004 ppm	0.0058 ppm	0.0012 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	0.0124 ppm
Concentration per Run 3	0.0005 ppm	0.0031 ppm	0.0015 ppm	0.0010 ppm	0.0003 ppm	0.0002 ppm	0.0112 ppm
Recovery Percentage 1	9.443 %	3.728 %	7.975 %	4.384 %	2.548 %	3.981 %	12.306 %
Concentration RSD	22.4 %	50.3 %	396.2 %	25.7 %	44.3 %	19.7 %	8.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0005 ppm	0.0096 ppm	0.0175 ppm	0.0013 ppm
Concentration per Run 1	0.0004 ppm	0.0003 ppm	0.0003 ppm	0.0004 ppm	0.0110 ppm	0.0192 ppm	0.0007 ppm
Concentration per Run 2	0.0003 ppm	0.0005 ppm	0.0004 ppm	0.0005 ppm	0.0099 ppm	0.0265 ppm	0.0019 ppm
Concentration per Run 3	0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0006 ppm	0.0081 ppm	0.0069 ppm	0.0013 ppm
Recovery Percentage 1	9.288 %	1.916 %	3.077 %	4.920 %	19.277 %	0.702 %	12.954 %
Concentration RSD	13.9 %	36.4 %	23.1 %	26.1 %	15.0 %	56.6 %	47.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0006 ppm	0.0006 ppm	0.0185 ppm	0.0005 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0026 ppm	0.0008 ppm	0.0006 ppm	0.0158 ppm	0.0006 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0034 ppm	0.0004 ppm	0.0005 ppm	0.0207 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 3	0.0055 ppm	0.0004 ppm	0.0006 ppm	0.0191 ppm	0.0007 ppm	-0.0002 ppm	0.0017 ppm
Recovery Percentage 1	3.830 %	5.542 %	1.190 %	0.925 %	1.887 %	-2.308 %	1.516 %
Concentration RSD	38.3 %	41.7 %	7.3 %	13.4 %	70.6 %	132.8 %	115.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	0.0078 ppm	0.0019 ppm	0.0003 ppm	0.0005 ppm	-0.0011 ppm	0.0003 ppm
Concentration per Run 1	-0.0013 ppm	0.0088 ppm	0.0009 ppm	0.0004 ppm	0.0004 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	0.0071 ppm	0.0030 ppm	0.0003 ppm	0.0006 ppm	-0.0023 ppm	0.0003 ppm
Concentration per Run 3	-0.0010 ppm	0.0073 ppm	0.0017 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm	0.0004 ppm
Recovery Percentage 1	-7.301 %	1.550 %	3.777 %	3.041 %	5.357 %	-5.552 %	2.625 %
Concentration RSD	97.5 %	12.2 %	56.7 %	16.0 %	26.5 %	101.6 %	73.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0009 ppm	102.6395 %	104.5884 %	104.7674 %	102.8488 %	102.6957 %	105.6427 %
Concentration per Run 1	-0.0007 ppm	103.1396 %	104.9172 %	104.8049 %	103.6604 %	102.4881 %	105.8977 %
Concentration per Run 2	-0.0010 ppm	102.4097 %	104.3533 %	104.3707 %	102.4363 %	102.9623 %	105.3993 %
Concentration per Run 3	-0.0009 ppm	102.3691 %	104.4947 %	105.1267 %	102.4497 %	102.6365 %	105.6310 %
Recovery Percentage 1	-17.609 %						
Concentration RSD	19.7 %	0.4 %	0.3 %	0.4 %	0.7 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-1 WG2038531
Analysis started at: 3/10/2025 22:01:09
Comments <Comment>
Rack: 2
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0012 ppm	-0.0005 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0170 ppm
Concentration per Run 1	0.0001 ppm	0.0012 ppm	0.0018 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0204 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0018 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0185 ppm
Concentration per Run 3	0.0002 ppm	0.0027 ppm	-0.0017 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0120 ppm
Recovery Percentage 1	2.075 %	1.214 %	-10.683 %	2.473 %	2.167 %	0.691 %	16.973 %
Concentration RSD	64.3 %	124.5 %	386.8 %	62.7 %	13.3 %	25.4 %	26.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0074 ppm	0.0226 ppm	0.0011 ppm
Concentration per Run 1	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0081 ppm	0.0166 ppm	0.0012 ppm
Concentration per Run 2	0.0002 ppm	-0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0081 ppm	0.0316 ppm	0.0007 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0059 ppm	0.0196 ppm	0.0014 ppm
Recovery Percentage 1	4.326 %	-0.207 %	-0.656 %	1.886 %	14.753 %	0.903 %	10.808 %
Concentration RSD	37.0 %	965.3 %	136.1 %	58.2 %	16.8 %	35.1 %	31.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0029 ppm	0.0005 ppm	0.0000 ppm	0.0138 ppm	0.0006 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 1	0.0028 ppm	0.0006 ppm	-0.0001 ppm	0.0148 ppm	0.0005 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 2	0.0030 ppm	0.0004 ppm	0.0000 ppm	0.0134 ppm	0.0009 ppm	-0.0022 ppm	-0.0005 ppm
Concentration per Run 3	0.0030 ppm	0.0006 ppm	0.0000 ppm	0.0132 ppm	0.0004 ppm	-0.0008 ppm	0.0002 ppm
Recovery Percentage 1	2.936 %	5.427 %	-0.063 %	0.690 %	2.377 %	-13.541 %	-0.070 %
Concentration RSD	3.5 %	18.1 %	165.2 %	6.5 %	39.9 %	56.9 %	1,245.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0027 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	0.0023 ppm	0.0007 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	0.0034 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	0.0023 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0003 ppm
Recovery Percentage 1	6.058 %	0.537 %	0.876 %	1.480 %	2.472 %	-0.031 %	1.670 %
Concentration RSD	83.1 %	22.7 %	52.2 %	48.8 %	55.7 %	5,084.1 %	103.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	103.4824 %	106.1343 %	105.3489 %	104.1672 %	102.4003 %	107.6245 %
Concentration per Run 1	-0.0001 ppm	103.2235 %	106.2580 %	105.4379 %	104.0847 %	102.6696 %	107.7328 %
Concentration per Run 2	0.0001 ppm	103.3192 %	106.3068 %	105.4503 %	103.9023 %	102.5473 %	107.7995 %
Concentration per Run 3	-0.0001 ppm	103.9046 %	105.8382 %	105.1585 %	104.5147 %	101.9839 %	107.3411 %
Recovery Percentage 1	-1.214 %						
Concentration RSD	163.7 %	0.4 %	0.2 %	0.2 %	0.3 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-2 WG2038531
Analysis started at: 3/10/2025 22:06:22
Comments <Comment>
Rack: 2
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0475 ppm	2.0906 ppm	0.1102 ppm	0.9516 ppm	1.9860 ppm	0.0494 ppm	9.5499 ppm
Concentration per Run 1	0.0471 ppm	2.0747 ppm	0.1102 ppm	0.9532 ppm	1.9565 ppm	0.0491 ppm	9.5009 ppm
Concentration per Run 2	0.0479 ppm	2.0953 ppm	0.1096 ppm	0.9514 ppm	1.9932 ppm	0.0494 ppm	9.5658 ppm
Concentration per Run 3	0.0476 ppm	2.1018 ppm	0.1108 ppm	0.9503 ppm	2.0084 ppm	0.0497 ppm	9.5831 ppm
Concentration RSD	0.8 %	0.7 %	0.5 %	0.2 %	1.3 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0538 ppm	0.4881 ppm	0.1960 ppm	0.2513 ppm	0.9978 ppm	10.4096 ppm	0.0002 ppm
Concentration per Run 1	0.0539 ppm	0.4899 ppm	0.1951 ppm	0.2500 ppm	0.9901 ppm	10.3160 ppm	0.0002 ppm
Concentration per Run 2	0.0539 ppm	0.4872 ppm	0.1960 ppm	0.2500 ppm	0.9995 ppm	10.4059 ppm	0.0002 ppm
Concentration per Run 3	0.0537 ppm	0.4871 ppm	0.1969 ppm	0.2539 ppm	1.0037 ppm	10.5069 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.9 %	0.7 %	0.9 %	13.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1060 ppm	0.4964 ppm	0.9283 ppm	10.2660 ppm	0.4828 ppm	0.5067 ppm	0.4845 ppm
Concentration per Run 1	10.0476 ppm	0.4946 ppm	0.9299 ppm	10.1809 ppm	0.4840 ppm	0.5070 ppm	0.4822 ppm
Concentration per Run 2	10.0879 ppm	0.4961 ppm	0.9289 ppm	10.2687 ppm	0.4832 ppm	0.5069 ppm	0.4850 ppm
Concentration per Run 3	10.1826 ppm	0.4985 ppm	0.9262 ppm	10.3483 ppm	0.4813 ppm	0.5061 ppm	0.4863 ppm
Concentration RSD	0.7 %	0.4 %	0.2 %	0.8 %	0.3 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1080 ppm	1.0579 ppm	0.9589 ppm	0.9906 ppm	0.9636 ppm	0.1030 ppm	0.4847 ppm
Concentration per Run 1	0.1075 ppm	1.0604 ppm	0.9610 ppm	0.9827 ppm	0.9588 ppm	0.1046 ppm	0.4820 ppm
Concentration per Run 2	0.1075 ppm	1.0566 ppm	0.9601 ppm	0.9914 ppm	0.9600 ppm	0.1022 ppm	0.4840 ppm
Concentration per Run 3	0.1089 ppm	1.0566 ppm	0.9556 ppm	0.9977 ppm	0.9719 ppm	0.1023 ppm	0.4881 ppm
Concentration RSD	0.8 %	0.2 %	0.3 %	0.8 %	0.8 %	1.3 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4983 ppm	102.9323 %	103.0599 %	104.3257 %	104.6572 %	102.6520 %	105.4980 %
Concentration per Run 1	0.4994 ppm	103.1315 %	103.7937 %	104.2676 %	105.0531 %	102.5297 %	106.2114 %
Concentration per Run 2	0.4985 ppm	102.6744 %	103.0945 %	104.3628 %	104.6075 %	102.5693 %	105.6505 %
Concentration per Run 3	0.4970 ppm	102.9909 %	102.2915 %	104.3468 %	104.3111 %	102.8571 %	104.6321 %
Concentration RSD	0.2 %	0.2 %	0.7 %	0.0 %	0.4 %	0.2 %	0.8 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-06 WG2038531
Analysis started at: 3/10/2025 22:11:24
Comments <Comment>
Rack: 2
Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0096 ppm	0.0003 ppm	0.0159 ppm	0.0242 ppm	0.0000 ppm	19.2028 ppm
Concentration per Run 1	0.0006 ppm	0.0084 ppm	0.0011 ppm	0.0163 ppm	0.0239 ppm	0.0000 ppm	18.9664 ppm
Concentration per Run 2	0.0003 ppm	0.0120 ppm	-0.0010 ppm	0.0157 ppm	0.0244 ppm	0.0000 ppm	19.3260 ppm
Concentration per Run 3	0.0004 ppm	0.0085 ppm	0.0009 ppm	0.0158 ppm	0.0243 ppm	0.0000 ppm	19.3161 ppm
Concentration RSD	33.3 %	21.5 %	348.2 %	1.8 %	1.1 %	59.9 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0066 ppm	2.1487 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0006 ppm	0.0068 ppm	2.1246 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0009 ppm	0.0068 ppm	2.1597 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0063 ppm	2.1618 ppm	0.0009 ppm
Concentration RSD	108.4 %	130.2 %	22.2 %	17.3 %	4.5 %	1.0 %	335.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9207 ppm	0.0008 ppm	0.0018 ppm	6.1953 ppm	0.0008 ppm	-0.0015 ppm	0.0009 ppm
Concentration per Run 1	4.9195 ppm	0.0006 ppm	0.0021 ppm	6.1185 ppm	0.0013 ppm	-0.0011 ppm	0.0014 ppm
Concentration per Run 2	4.9096 ppm	0.0010 ppm	0.0017 ppm	6.2368 ppm	0.0006 ppm	-0.0011 ppm	0.0010 ppm
Concentration per Run 3	4.9329 ppm	0.0008 ppm	0.0015 ppm	6.2306 ppm	0.0006 ppm	-0.0023 ppm	0.0003 ppm
Concentration RSD	0.2 %	20.4 %	16.5 %	1.1 %	46.4 %	46.6 %	64.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	4.0554 ppm	0.0010 ppm	0.0638 ppm	0.0005 ppm	-0.0017 ppm	0.0005 ppm
Concentration per Run 1	0.0007 ppm	4.0361 ppm	0.0022 ppm	0.0631 ppm	0.0006 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 2	0.0009 ppm	4.0722 ppm	0.0003 ppm	0.0642 ppm	0.0004 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run 3	0.0014 ppm	4.0580 ppm	0.0004 ppm	0.0641 ppm	0.0005 ppm	-0.0022 ppm	0.0004 ppm
Concentration RSD	35.2 %	0.4 %	109.2 %	1.0 %	14.9 %	43.3 %	55.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.8336 %	104.6685 %	104.8640 %	105.3981 %	101.1708 %	107.1379 %
Concentration per Run 1	0.0006 ppm	104.8197 %	104.8565 %	104.8330 %	106.6342 %	101.5642 %	107.3171 %
Concentration per Run 2	0.0003 ppm	103.4364 %	104.6587 %	104.8416 %	104.7343 %	100.8319 %	107.2054 %
Concentration per Run 3	0.0003 ppm	103.2448 %	104.4904 %	104.9173 %	104.8260 %	101.1163 %	106.8911 %
Concentration RSD	44.9 %	0.8 %	0.2 %	0.0 %	1.0 %	0.4 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-3 WG2038531
Analysis started at: 3/10/2025 22:16:33
Comments <Comment>
Rack: 2
Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0472 ppm	2.0676 ppm	0.1109 ppm	0.9737 ppm	2.0011 ppm	0.0492 ppm	28.8546 ppm
Concentration per Run 1	0.0476 ppm	2.0501 ppm	0.1101 ppm	0.9708 ppm	1.9613 ppm	0.0488 ppm	28.6099 ppm
Concentration per Run 2	0.0471 ppm	2.0828 ppm	0.1126 ppm	0.9719 ppm	2.0372 ppm	0.0495 ppm	29.0483 ppm
Concentration per Run 3	0.0469 ppm	2.0701 ppm	0.1100 ppm	0.9785 ppm	2.0049 ppm	0.0492 ppm	28.9054 ppm
Concentration RSD	0.8 %	0.8 %	1.3 %	0.4 %	1.9 %	0.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0537 ppm	0.4927 ppm	0.1921 ppm	0.2503 ppm	0.9927 ppm	12.5069 ppm	0.0001 ppm
Concentration per Run 1	0.0535 ppm	0.4916 ppm	0.1925 ppm	0.2512 ppm	0.9847 ppm	12.3744 ppm	0.0001 ppm
Concentration per Run 2	0.0536 ppm	0.4915 ppm	0.1919 ppm	0.2507 ppm	0.9978 ppm	12.5874 ppm	-0.0003 ppm
Concentration per Run 3	0.0539 ppm	0.4951 ppm	0.1920 ppm	0.2489 ppm	0.9956 ppm	12.5590 ppm	0.0007 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.5 %	0.7 %	0.9 %	366.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.8691 ppm	0.4889 ppm	0.9329 ppm	16.3905 ppm	0.4869 ppm	0.5129 ppm	0.4898 ppm
Concentration per Run 1	14.8972 ppm	0.4846 ppm	0.9294 ppm	16.2611 ppm	0.4852 ppm	0.5125 ppm	0.4843 ppm
Concentration per Run 2	14.8881 ppm	0.4919 ppm	0.9300 ppm	16.4945 ppm	0.4856 ppm	0.5130 ppm	0.4894 ppm
Concentration per Run 3	14.8221 ppm	0.4901 ppm	0.9392 ppm	16.4160 ppm	0.4899 ppm	0.5133 ppm	0.4958 ppm
Concentration RSD	0.3 %	0.8 %	0.6 %	0.7 %	0.5 %	0.1 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1122 ppm	5.1265 ppm	0.9651 ppm	1.0455 ppm	0.9491 ppm	0.1085 ppm	0.4804 ppm
Concentration per Run 1	0.1117 ppm	5.1132 ppm	0.9639 ppm	1.0358 ppm	0.9502 ppm	0.1085 ppm	0.4806 ppm
Concentration per Run 2	0.1110 ppm	5.1145 ppm	0.9634 ppm	1.0523 ppm	0.9502 ppm	0.1088 ppm	0.4808 ppm
Concentration per Run 3	0.1139 ppm	5.1518 ppm	0.9678 ppm	1.0483 ppm	0.9470 ppm	0.1083 ppm	0.4798 ppm
Concentration RSD	1.4 %	0.4 %	0.3 %	0.8 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5004 ppm	102.5535 %	103.2381 %	104.0700 %	104.7977 %	101.9589 %	106.1467 %
Concentration per Run 1	0.4988 ppm	103.4173 %	103.0959 %	104.2501 %	106.0251 %	102.2835 %	105.9816 %
Concentration per Run 2	0.5001 ppm	102.0545 %	103.0412 %	104.0642 %	104.0267 %	102.1527 %	105.9399 %
Concentration per Run 3	0.5025 ppm	102.1888 %	103.5773 %	103.8958 %	104.3412 %	101.4406 %	106.5188 %
Concentration RSD	0.4 %	0.7 %	0.3 %	0.2 %	1.0 %	0.4 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-4 WG2038531
Analysis started at: 3/10/2025 22:21:36
Comments <Comment>
Rack: 2
Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0471 ppm	2.0729 ppm	0.1135 ppm	0.9932 ppm	1.9955 ppm	0.0491 ppm	29.0879 ppm
Concentration per Run 1	0.0469 ppm	2.0578 ppm	0.1127 ppm	0.9850 ppm	1.9707 ppm	0.0487 ppm	28.9611 ppm
Concentration per Run 2	0.0472 ppm	2.0827 ppm	0.1147 ppm	0.9890 ppm	2.0087 ppm	0.0492 ppm	29.1159 ppm
Concentration per Run 3	0.0472 ppm	2.0781 ppm	0.1131 ppm	1.0056 ppm	2.0072 ppm	0.0492 ppm	29.1867 ppm
Concentration RSD	0.4 %	0.6 %	0.9 %	1.1 %	1.1 %	0.6 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0538 ppm	0.4902 ppm	0.1947 ppm	0.2497 ppm	1.0070 ppm	12.7043 ppm	-0.0004 ppm
Concentration per Run 1	0.0535 ppm	0.4878 ppm	0.1950 ppm	0.2501 ppm	1.0013 ppm	12.6344 ppm	-0.0002 ppm
Concentration per Run 2	0.0536 ppm	0.4868 ppm	0.1947 ppm	0.2499 ppm	1.0113 ppm	12.7675 ppm	0.0001 ppm
Concentration per Run 3	0.0544 ppm	0.4961 ppm	0.1944 ppm	0.2490 ppm	1.0085 ppm	12.7110 ppm	-0.0011 ppm
Concentration RSD	0.9 %	1.0 %	0.2 %	0.2 %	0.5 %	0.5 %	173.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.1399 ppm	0.4895 ppm	0.9450 ppm	16.6157 ppm	0.4846 ppm	0.5223 ppm	0.4925 ppm
Concentration per Run 1	15.1521 ppm	0.4866 ppm	0.9406 ppm	16.4886 ppm	0.4822 ppm	0.5179 ppm	0.4893 ppm
Concentration per Run 2	15.1643 ppm	0.4906 ppm	0.9396 ppm	16.7096 ppm	0.4807 ppm	0.5201 ppm	0.4888 ppm
Concentration per Run 3	15.1032 ppm	0.4914 ppm	0.9549 ppm	16.6489 ppm	0.4908 ppm	0.5289 ppm	0.4994 ppm
Concentration RSD	0.2 %	0.5 %	0.9 %	0.7 %	1.1 %	1.1 %	1.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1158 ppm	5.1816 ppm	0.9824 ppm	1.0610 ppm	0.9639 ppm	0.1095 ppm	0.4774 ppm
Concentration per Run 1	0.1140 ppm	5.1486 ppm	0.9796 ppm	1.0528 ppm	0.9654 ppm	0.1077 ppm	0.4785 ppm
Concentration per Run 2	0.1157 ppm	5.1608 ppm	0.9742 ppm	1.0680 ppm	0.9634 ppm	0.1085 ppm	0.4773 ppm
Concentration per Run 3	0.1178 ppm	5.2355 ppm	0.9935 ppm	1.0621 ppm	0.9629 ppm	0.1123 ppm	0.4765 ppm
Concentration RSD	1.6 %	0.9 %	1.0 %	0.7 %	0.1 %	2.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4970 ppm	102.3632 %	103.1144 %	103.5953 %	104.4146 %	101.6670 %	105.8673 %
Concentration per Run 1	0.4949 ppm	102.6686 %	103.1211 %	104.2607 %	105.0822 %	102.3066 %	105.8472 %
Concentration per Run 2	0.4936 ppm	102.3010 %	103.2491 %	104.0422 %	104.2351 %	101.9864 %	106.0053 %
Concentration per Run 3	0.5026 ppm	102.1199 %	102.9730 %	102.4829 %	103.9263 %	100.7081 %	105.7494 %
Concentration RSD	1.0 %	0.3 %	0.1 %	0.9 %	0.6 %	0.8 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-5 WG2038531
Analysis started at: 3/10/2025 22:26:44
Comments <Comment>
Rack: 2
Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0249 ppm	2.0425 ppm	0.1202 ppm	0.9793 ppm	1.9605 ppm	0.0488 ppm	28.2853 ppm
Concentration per Run 1	0.0245 ppm	2.0274 ppm	0.1198 ppm	0.9815 ppm	1.9561 ppm	0.0485 ppm	28.0718 ppm
Concentration per Run 2	0.0303 ppm	2.0490 ppm	0.1176 ppm	0.9727 ppm	1.9571 ppm	0.0490 ppm	28.4087 ppm
Concentration per Run 3	0.0198 ppm	2.0511 ppm	0.1231 ppm	0.9838 ppm	1.9683 ppm	0.0489 ppm	28.3753 ppm
Concentration RSD	21.1 %	0.6 %	2.3 %	0.6 %	0.3 %	0.6 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0534 ppm	0.4886 ppm	0.1901 ppm	0.2483 ppm	0.9834 ppm	12.6291 ppm	0.0000 ppm
Concentration per Run 1	0.0535 ppm	0.4897 ppm	0.1907 ppm	0.2490 ppm	0.9743 ppm	12.5499 ppm	0.0003 ppm
Concentration per Run 2	0.0533 ppm	0.4866 ppm	0.1901 ppm	0.2484 ppm	0.9875 ppm	12.6815 ppm	0.0001 ppm
Concentration per Run 3	0.0535 ppm	0.4894 ppm	0.1893 ppm	0.2474 ppm	0.9884 ppm	12.6559 ppm	-0.0005 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	0.3 %	0.8 %	0.6 %	2,865.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.7317 ppm	0.4848 ppm	0.9391 ppm	16.2577 ppm	0.4826 ppm	0.5251 ppm	0.4828 ppm
Concentration per Run 1	14.7858 ppm	0.4822 ppm	0.9410 ppm	16.1444 ppm	0.4838 ppm	0.5252 ppm	0.4784 ppm
Concentration per Run 2	14.7151 ppm	0.4867 ppm	0.9367 ppm	16.2976 ppm	0.4805 ppm	0.5240 ppm	0.4842 ppm
Concentration per Run 3	14.6943 ppm	0.4854 ppm	0.9396 ppm	16.3312 ppm	0.4835 ppm	0.5262 ppm	0.4858 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.6 %	0.4 %	0.2 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1188 ppm	4.7005 ppm	0.9782 ppm	1.0524 ppm	0.9568 ppm	0.1162 ppm	0.4776 ppm
Concentration per Run 1	0.1171 ppm	4.7105 ppm	0.9753 ppm	1.0447 ppm	0.9579 ppm	0.1143 ppm	0.4779 ppm
Concentration per Run 2	0.1197 ppm	4.6765 ppm	0.9730 ppm	1.0546 ppm	0.9571 ppm	0.1178 ppm	0.4778 ppm
Concentration per Run 3	0.1196 ppm	4.7145 ppm	0.9863 ppm	1.0579 ppm	0.9554 ppm	0.1165 ppm	0.4772 ppm
Concentration RSD	1.3 %	0.4 %	0.7 %	0.7 %	0.1 %	1.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4952 ppm	102.9601 %	103.3661 %	103.7771 %	105.0995 %	101.9296 %	106.3471 %
Concentration per Run 1	0.4963 ppm	103.3511 %	103.3153 %	103.7661 %	105.8288 %	101.7268 %	106.4039 %
Concentration per Run 2	0.4929 ppm	102.8667 %	103.2183 %	104.0307 %	104.8188 %	102.5643 %	106.2308 %
Concentration per Run 3	0.4963 ppm	102.6624 %	103.5648 %	103.5344 %	104.6511 %	101.4977 %	106.4066 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.2 %	0.6 %	0.6 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: WG2038531-6D5 WG2038531
Analysis started at: 3/10/2025 22:31:45
Comments <Comment>
Rack: 2
Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0021 ppm	0.0006 ppm	0.0053 ppm	0.0050 ppm	0.0000 ppm	3.9293 ppm
Concentration per Run 1	0.0004 ppm	0.0041 ppm	0.0009 ppm	0.0054 ppm	0.0049 ppm	0.0000 ppm	3.8869 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0051 ppm	0.0051 ppm	0.0000 ppm	4.0088 ppm
Concentration per Run 3	0.0004 ppm	0.0022 ppm	0.0011 ppm	0.0054 ppm	0.0049 ppm	0.0000 ppm	3.8921 ppm
Concentration RSD	46.3 %	97.2 %	110.1 %	3.3 %	1.9 %	116.0 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0023 ppm	0.4475 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0017 ppm	0.4381 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0026 ppm	0.4574 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0026 ppm	0.4469 ppm	0.0004 ppm
Concentration RSD	57.7 %	311.7 %	171.3 %	10.1 %	22.5 %	2.2 %	66.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.9764 ppm	0.0003 ppm	0.0012 ppm	1.2598 ppm	0.0007 ppm	-0.0012 ppm	0.0047 ppm
Concentration per Run 1	0.9753 ppm	0.0003 ppm	0.0011 ppm	1.2478 ppm	0.0013 ppm	-0.0024 ppm	0.0067 ppm
Concentration per Run 2	0.9767 ppm	0.0003 ppm	0.0017 ppm	1.2833 ppm	0.0009 ppm	-0.0014 ppm	0.0032 ppm
Concentration per Run 3	0.9771 ppm	0.0004 ppm	0.0007 ppm	1.2482 ppm	0.0001 ppm	0.0002 ppm	0.0042 ppm
Concentration RSD	0.1 %	20.6 %	42.4 %	1.6 %	79.2 %	106.8 %	37.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.8098 ppm	0.0038 ppm	0.0131 ppm	0.0004 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	0.8100 ppm	0.0054 ppm	0.0130 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	0.8101 ppm	0.0040 ppm	0.0133 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	0.8094 ppm	0.0020 ppm	0.0129 ppm	0.0003 ppm	-0.0005 ppm	0.0000 ppm
Concentration RSD	79.3 %	0.1 %	44.4 %	1.8 %	14.7 %	72.1 %	93.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0006 ppm	101.3803 %	104.9490 %	105.1581 %	103.5509 %	101.3276 %	108.1937 %
Concentration per Run 1	-0.0007 ppm	102.3104 %	105.0037 %	105.0934 %	104.7418 %	101.3363 %	108.2306 %
Concentration per Run 2	-0.0006 ppm	99.5309 %	104.8894 %	105.1666 %	101.4477 %	101.3553 %	108.1409 %
Concentration per Run 3	-0.0004 ppm	102.2997 %	104.9539 %	105.2142 %	104.4633 %	101.2912 %	108.2095 %
Concentration RSD	28.4 %	1.6 %	0.1 %	0.1 %	1.8 %	0.0 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-01 WG2038531
Analysis started at: 3/10/2025 22:36:56
Comments <Comment>
Rack: 2
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0096 ppm	-0.0008 ppm	0.0139 ppm	0.0264 ppm	0.0000 ppm	26.7648 ppm
Concentration per Run 1	0.0002 ppm	0.0087 ppm	-0.0007 ppm	0.0138 ppm	0.0261 ppm	0.0000 ppm	26.4095 ppm
Concentration per Run 2	0.0003 ppm	0.0115 ppm	-0.0017 ppm	0.0141 ppm	0.0265 ppm	0.0000 ppm	26.9282 ppm
Concentration per Run 3	0.0001 ppm	0.0087 ppm	0.0000 ppm	0.0138 ppm	0.0267 ppm	0.0000 ppm	26.9566 ppm
Concentration RSD	44.2 %	16.4 %	106.8 %	1.2 %	1.2 %	53.1 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0015 ppm	0.0093 ppm	1.1320 ppm	-0.0003 ppm
Concentration per Run 1	-0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0016 ppm	0.0094 ppm	1.1298 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0016 ppm	0.0093 ppm	1.1284 ppm	-0.0002 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	0.0008 ppm	0.0014 ppm	0.0091 ppm	1.1377 ppm	-0.0008 ppm
Concentration RSD	42.2 %	1,016.1 %	42.7 %	7.5 %	1.4 %	0.4 %	140.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.4484 ppm	0.0009 ppm	0.0007 ppm	4.0304 ppm	0.0016 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 1	9.4873 ppm	0.0009 ppm	0.0006 ppm	3.9903 ppm	0.0016 ppm	0.0007 ppm	0.0009 ppm
Concentration per Run 2	9.4265 ppm	0.0008 ppm	0.0010 ppm	4.0356 ppm	0.0017 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 3	9.4316 ppm	0.0011 ppm	0.0005 ppm	4.0653 ppm	0.0017 ppm	-0.0021 ppm	0.0004 ppm
Concentration RSD	0.4 %	16.6 %	39.9 %	0.9 %	3.8 %	181.4 %	73.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	3.2026 ppm	0.0014 ppm	0.0582 ppm	0.0004 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0002 ppm	3.2123 ppm	0.0012 ppm	0.0575 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 2	0.0036 ppm	3.1928 ppm	0.0018 ppm	0.0585 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	-0.0005 ppm	3.2026 ppm	0.0011 ppm	0.0587 ppm	0.0003 ppm	-0.0023 ppm	0.0002 ppm
Concentration RSD	202.5 %	0.3 %	27.1 %	1.1 %	8.2 %	138.3 %	71.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	103.7682 %	104.3748 %	104.7455 %	105.7911 %	100.4289 %	107.2876 %
Concentration per Run 1	0.0021 ppm	104.8511 %	104.1648 %	104.8863 %	107.2231 %	100.1413 %	107.1471 %
Concentration per Run 2	0.0019 ppm	103.0626 %	104.4896 %	104.7986 %	105.0240 %	100.6937 %	107.3857 %
Concentration per Run 3	0.0021 ppm	103.3908 %	104.4701 %	104.5517 %	105.1262 %	100.4518 %	107.3299 %
Concentration RSD	5.2 %	0.9 %	0.2 %	0.2 %	1.2 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-02 WG2038531
Analysis started at: 3/10/2025 22:42:05
Comments <Comment>
Rack: 2
Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0058 ppm	-0.0007 ppm	0.0081 ppm	0.0420 ppm	0.0000 ppm	7.9938 ppm
Concentration per Run 1	0.0003 ppm	0.0028 ppm	-0.0002 ppm	0.0080 ppm	0.0415 ppm	0.0000 ppm	7.9055 ppm
Concentration per Run 2	0.0002 ppm	0.0073 ppm	-0.0019 ppm	0.0077 ppm	0.0423 ppm	0.0000 ppm	8.0239 ppm
Concentration per Run 3	0.0004 ppm	0.0074 ppm	0.0000 ppm	0.0087 ppm	0.0422 ppm	0.0000 ppm	8.0519 ppm
Concentration RSD	22.0 %	45.0 %	149.8 %	6.3 %	1.1 %	180.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0008 ppm	0.0039 ppm	1.1412 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0033 ppm	1.1264 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0006 ppm	0.0008 ppm	0.0037 ppm	1.1533 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0047 ppm	1.1439 ppm	-0.0001 ppm
Concentration RSD	2,303.9 %	70.8 %	60.9 %	18.4 %	19.2 %	1.2 %	418.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.0817 ppm	0.0060 ppm	0.0004 ppm	4.4176 ppm	0.0011 ppm	-0.0015 ppm	-0.0006 ppm
Concentration per Run 1	3.0862 ppm	0.0058 ppm	0.0004 ppm	4.3709 ppm	0.0010 ppm	-0.0015 ppm	-0.0008 ppm
Concentration per Run 2	3.0734 ppm	0.0061 ppm	0.0002 ppm	4.4441 ppm	0.0011 ppm	-0.0020 ppm	-0.0022 ppm
Concentration per Run 3	3.0856 ppm	0.0061 ppm	0.0006 ppm	4.4379 ppm	0.0013 ppm	-0.0009 ppm	0.0011 ppm
Concentration RSD	0.2 %	3.0 %	52.3 %	0.9 %	17.1 %	39.1 %	260.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	4.1046 ppm	0.0002 ppm	0.0351 ppm	0.0002 ppm	-0.0017 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	4.0850 ppm	-0.0006 ppm	0.0346 ppm	0.0002 ppm	-0.0019 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	4.1228 ppm	0.0011 ppm	0.0354 ppm	0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	-0.0014 ppm	4.1061 ppm	0.0000 ppm	0.0353 ppm	0.0000 ppm	-0.0026 ppm	-0.0001 ppm
Concentration RSD	186.8 %	0.5 %	441.8 %	1.2 %	77.6 %	61.2 %	180.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0018 ppm	103.3701 %	104.5284 %	104.4108 %	105.7963 %	100.2646 %	108.0399 %
Concentration per Run 1	0.0017 ppm	104.0657 %	104.6398 %	104.3886 %	106.8713 %	100.8170 %	108.1077 %
Concentration per Run 2	0.0019 ppm	103.1010 %	104.6958 %	104.5663 %	105.2498 %	99.7651 %	108.3026 %
Concentration per Run 3	0.0017 ppm	102.9436 %	104.2494 %	104.2777 %	105.2676 %	100.2118 %	107.7094 %
Concentration RSD	7.4 %	0.6 %	0.2 %	0.1 %	0.9 %	0.5 %	0.3 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-03 WG2038531
Analysis started at: 3/10/2025 22:47:16
Comments <Comment>
Rack: 2
Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0096 ppm	-0.0007 ppm	0.0060 ppm	0.0052 ppm	0.0000 ppm	18.6764 ppm
Concentration per Run 1	0.0000 ppm	0.0161 ppm	-0.0015 ppm	0.0063 ppm	0.0052 ppm	0.0000 ppm	18.5475 ppm
Concentration per Run 2	0.0002 ppm	0.0046 ppm	-0.0012 ppm	0.0057 ppm	0.0052 ppm	0.0000 ppm	18.7625 ppm
Concentration per Run 3	0.0002 ppm	0.0080 ppm	0.0005 ppm	0.0060 ppm	0.0051 ppm	0.0000 ppm	18.7193 ppm
Concentration RSD	100.4 %	62.0 %	147.2 %	5.4 %	1.1 %	111.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0552 ppm	0.8608 ppm	0.0020 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0546 ppm	0.8528 ppm	0.0019 ppm
Concentration per Run 2	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0559 ppm	0.8772 ppm	0.0031 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0552 ppm	0.8524 ppm	0.0011 ppm
Concentration RSD	36.9 %	60.9 %	180.6 %	24.3 %	1.1 %	1.7 %	49.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.3348 ppm	0.0306 ppm	0.0007 ppm	6.0092 ppm	0.0003 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run 1	2.3302 ppm	0.0304 ppm	0.0006 ppm	5.9308 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 2	2.3115 ppm	0.0308 ppm	0.0007 ppm	6.0424 ppm	0.0005 ppm	-0.0006 ppm	-0.0017 ppm
Concentration per Run 3	2.3627 ppm	0.0306 ppm	0.0006 ppm	6.0543 ppm	0.0004 ppm	-0.0024 ppm	0.0001 ppm
Concentration RSD	1.1 %	0.7 %	5.1 %	1.1 %	93.8 %	128.9 %	447.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	11.3599 ppm	0.0011 ppm	0.1793 ppm	0.0002 ppm	-0.0021 ppm	0.0013 ppm
Concentration per Run 1	0.0005 ppm	11.3673 ppm	0.0008 ppm	0.1769 ppm	0.0001 ppm	-0.0040 ppm	0.0013 ppm
Concentration per Run 2	0.0004 ppm	11.3876 ppm	0.0016 ppm	0.1802 ppm	0.0003 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 3	0.0022 ppm	11.3248 ppm	0.0008 ppm	0.1807 ppm	0.0003 ppm	-0.0022 ppm	0.0013 ppm
Concentration RSD	99.1 %	0.3 %	40.1 %	1.2 %	31.9 %	94.0 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0010 ppm	103.9640 %	104.2960 %	103.9640 %	106.7368 %	99.4471 %	107.9010 %
Concentration per Run 1	-0.0010 ppm	104.5453 %	104.2637 %	104.2109 %	107.6958 %	99.5322 %	107.9173 %
Concentration per Run 2	-0.0010 ppm	103.4120 %	105.1033 %	103.8350 %	106.2225 %	99.1760 %	108.7175 %
Concentration per Run 3	-0.0011 ppm	103.9346 %	103.5211 %	103.8462 %	106.2920 %	99.6330 %	107.0683 %
Concentration RSD	3.0 %	0.5 %	0.8 %	0.2 %	0.8 %	0.2 %	0.8 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 22:52:27
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4608 ppm	0.5192 ppm	0.4920 ppm	0.4925 ppm	0.4888 ppm	0.4893 ppm	0.4887 ppm
Concentration per Run 1	0.4670 ppm	0.5109 ppm	0.4896 ppm	0.4908 ppm	0.4827 ppm	0.4826 ppm	0.4802 ppm
Concentration per Run 2	0.4571 ppm	0.5232 ppm	0.4933 ppm	0.4920 ppm	0.4919 ppm	0.4933 ppm	0.4908 ppm
Concentration per Run 3	0.4584 ppm	0.5236 ppm	0.4932 ppm	0.4947 ppm	0.4916 ppm	0.4918 ppm	0.4951 ppm
Recovery Percentage 1	92.165 %	103.848 %	98.408 %	98.500 %	97.754 %	97.850 %	97.738 %
Concentration RSD	1.2 %	1.4 %	0.4 %	0.4 %	1.1 %	1.2 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5186 ppm	0.5071 ppm	0.4851 ppm	0.4829 ppm	0.4918 ppm	5.1747 ppm	0.4907 ppm
Concentration per Run 1	0.5165 ppm	0.5058 ppm	0.4906 ppm	0.4903 ppm	0.4844 ppm	5.1147 ppm	0.4850 ppm
Concentration per Run 2	0.5201 ppm	0.5080 ppm	0.4821 ppm	0.4777 ppm	0.4958 ppm	5.2116 ppm	0.4939 ppm
Concentration per Run 3	0.5191 ppm	0.5076 ppm	0.4827 ppm	0.4807 ppm	0.4952 ppm	5.1977 ppm	0.4932 ppm
Recovery Percentage 1	103.715 %	101.428 %	97.026 %	96.582 %	98.363 %	103.494 %	98.141 %
Concentration RSD	0.4 %	0.2 %	1.0 %	1.4 %	1.3 %	1.0 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5074 ppm	0.4804 ppm	0.4791 ppm	9.9077 ppm	0.4946 ppm	0.4907 ppm	0.5059 ppm
Concentration per Run 1	0.5116 ppm	0.4732 ppm	0.4780 ppm	9.7787 ppm	0.4932 ppm	0.4876 ppm	0.5044 ppm
Concentration per Run 2	0.5046 ppm	0.4837 ppm	0.4786 ppm	9.9788 ppm	0.4939 ppm	0.4926 ppm	0.5073 ppm
Concentration per Run 3	0.5060 ppm	0.4842 ppm	0.4808 ppm	9.9655 ppm	0.4966 ppm	0.4919 ppm	0.5060 ppm
Recovery Percentage 1	101.480 %	96.071 %	95.830 %	99.077 %	98.913 %	98.145 %	101.177 %
Concentration RSD	0.7 %	1.3 %	0.3 %	1.1 %	0.4 %	0.6 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4873 ppm	5.7396 ppm	0.5153 ppm	0.4978 ppm	0.4855 ppm	0.4776 ppm	0.4818 ppm
Concentration per Run 1	0.4824 ppm	5.7215 ppm	0.5129 ppm	0.4918 ppm	0.4922 ppm	0.4780 ppm	0.4887 ppm
Concentration per Run 2	0.4864 ppm	5.7375 ppm	0.5160 ppm	0.5011 ppm	0.4812 ppm	0.4771 ppm	0.4777 ppm
Concentration per Run 3	0.4932 ppm	5.7598 ppm	0.5171 ppm	0.5005 ppm	0.4829 ppm	0.4778 ppm	0.4790 ppm
Recovery Percentage 1	97.462 %	109.326 %	103.067 %	99.560 %	97.090 %	95.527 %	96.360 %
Concentration RSD	1.1 %	0.3 %	0.4 %	1.0 %	1.2 %	0.1 %	1.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5102 ppm	102.6055 %	103.0535 %	104.6715 %	105.4854 %	101.1926 %	106.9162 %
Concentration per Run 1	0.5083 ppm	103.7763 %	101.5811 %	104.7797 %	106.9303 %	101.7237 %	105.5207 %
Concentration per Run 2	0.5116 ppm	101.9674 %	103.8192 %	104.8127 %	104.6919 %	101.1416 %	107.7054 %
Concentration per Run 3	0.5108 ppm	102.0728 %	103.7604 %	104.4223 %	104.8340 %	100.7124 %	107.5224 %
Recovery Percentage 1	102.045 %						
Concentration RSD	0.3 %	1.0 %	1.2 %	0.2 %	1.2 %	0.5 %	1.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 22:57:21
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0085 ppm	-0.0003 ppm	0.0015 ppm	0.0003 ppm	0.0002 ppm	0.0096 ppm
Concentration per Run 1	0.0006 ppm	0.0074 ppm	-0.0018 ppm	0.0016 ppm	0.0003 ppm	0.0002 ppm	0.0101 ppm
Concentration per Run 2	0.0006 ppm	0.0092 ppm	-0.0002 ppm	0.0016 ppm	0.0002 ppm	0.0002 ppm	0.0106 ppm
Concentration per Run 3	0.0004 ppm	0.0089 ppm	0.0010 ppm	0.0012 ppm	0.0003 ppm	0.0002 ppm	0.0080 ppm
Recovery Percentage 1	10.446 %	8.500 %	-6.612 %	4.950 %	2.634 %	4.469 %	9.553 %
Concentration RSD	17.7 %	11.3 %	430.4 %	14.5 %	10.6 %	9.9 %	14.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0084 ppm	-0.0025 ppm	0.0005 ppm
Concentration per Run 1	0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0086 ppm	-0.0071 ppm	0.0004 ppm
Concentration per Run 2	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0008 ppm	0.0083 ppm	-0.0124 ppm	0.0011 ppm
Concentration per Run 3	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0084 ppm	0.0119 ppm	0.0001 ppm
Recovery Percentage 1	9.187 %	1.192 %	0.779 %	6.613 %	16.834 %	-0.101 %	5.382 %
Concentration RSD	25.3 %	83.0 %	205.1 %	17.4 %	1.6 %	502.3 %	100.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0042 ppm	0.0007 ppm	0.0005 ppm	0.0134 ppm	0.0007 ppm	-0.0009 ppm	0.0012 ppm
Concentration per Run 1	0.0051 ppm	0.0006 ppm	0.0007 ppm	0.0150 ppm	0.0009 ppm	-0.0010 ppm	0.0009 ppm
Concentration per Run 2	0.0030 ppm	0.0006 ppm	0.0006 ppm	0.0118 ppm	0.0006 ppm	-0.0020 ppm	0.0014 ppm
Concentration per Run 3	0.0045 ppm	0.0008 ppm	0.0002 ppm	0.0134 ppm	0.0006 ppm	0.0002 ppm	0.0014 ppm
Recovery Percentage 1	4.209 %	6.747 %	1.032 %	0.669 %	2.689 %	-9.427 %	2.464 %
Concentration RSD	25.1 %	15.0 %	49.3 %	11.9 %	24.6 %	112.7 %	24.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	0.0056 ppm	0.0009 ppm	0.0003 ppm	0.0005 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0018 ppm	0.0053 ppm	0.0008 ppm	0.0004 ppm	0.0004 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 2	-0.0003 ppm	0.0073 ppm	0.0012 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 3	-0.0022 ppm	0.0043 ppm	0.0006 ppm	0.0003 ppm	0.0006 ppm	-0.0010 ppm	0.0002 ppm
Recovery Percentage 1	-2.418 %	1.124 %	1.737 %	3.220 %	5.321 %	-3.329 %	3.432 %
Concentration RSD	818.4 %	27.1 %	38.0 %	10.3 %	20.9 %	71.5 %	56.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0007 ppm	102.6006 %	104.1205 %	104.5164 %	103.7909 %	101.4135 %	106.8213 %
Concentration per Run 1	-0.0006 ppm	103.7960 %	104.1174 %	104.4849 %	105.1169 %	101.1839 %	106.7719 %
Concentration per Run 2	-0.0008 ppm	102.2177 %	104.1057 %	103.7356 %	103.4043 %	100.8210 %	106.8108 %
Concentration per Run 3	-0.0008 ppm	101.7882 %	104.1382 %	105.3286 %	102.8515 %	102.2355 %	106.8813 %
Recovery Percentage 1	-14.847 %						
Concentration RSD	16.9 %	1.0 %	0.0 %	0.8 %	1.1 %	0.7 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-04 WG2038531
Analysis started at: 3/10/2025 23:02:34
Comments <Comment>
Rack: 2
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0160 ppm	-0.0004 ppm	0.0204 ppm	0.0791 ppm	0.0000 ppm	86.7837 ppm
Concentration per Run 1	0.0000 ppm	0.0157 ppm	-0.0004 ppm	0.0202 ppm	0.0780 ppm	0.0000 ppm	85.9424 ppm
Concentration per Run 2	0.0002 ppm	0.0151 ppm	0.0001 ppm	0.0201 ppm	0.0795 ppm	0.0000 ppm	87.1883 ppm
Concentration per Run 3	0.0001 ppm	0.0173 ppm	-0.0008 ppm	0.0210 ppm	0.0798 ppm	0.0000 ppm	87.2205 ppm
Concentration RSD	129.3 %	6.9 %	120.7 %	2.3 %	1.2 %	34.4 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0001 ppm	0.0007 ppm	0.0015 ppm	0.0061 ppm	2.7414 ppm	-0.0007 ppm
Concentration per Run 1	-0.0006 ppm	-0.0001 ppm	0.0009 ppm	0.0016 ppm	0.0067 ppm	2.7100 ppm	-0.0004 ppm
Concentration per Run 2	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0015 ppm	0.0061 ppm	2.7654 ppm	-0.0009 ppm
Concentration per Run 3	-0.0006 ppm	0.0003 ppm	0.0007 ppm	0.0016 ppm	0.0055 ppm	2.7487 ppm	-0.0008 ppm
Concentration RSD	1.3 %	213.6 %	45.9 %	3.9 %	9.6 %	1.0 %	38.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.4941 ppm	0.0031 ppm	0.0007 ppm	3.8462 ppm	0.0014 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run 1	19.5159 ppm	0.0030 ppm	0.0004 ppm	3.8040 ppm	0.0017 ppm	-0.0009 ppm	0.0011 ppm
Concentration per Run 2	19.4737 ppm	0.0032 ppm	0.0010 ppm	3.8655 ppm	0.0015 ppm	-0.0009 ppm	-0.0021 ppm
Concentration per Run 3	19.4927 ppm	0.0032 ppm	0.0008 ppm	3.8690 ppm	0.0011 ppm	-0.0009 ppm	0.0001 ppm
Concentration RSD	0.1 %	3.2 %	46.7 %	1.0 %	21.1 %	5.1 %	518.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	5.5662 ppm	0.0002 ppm	0.2473 ppm	0.0006 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	5.5637 ppm	0.0002 ppm	0.2441 ppm	0.0006 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 2	0.0027 ppm	5.5659 ppm	-0.0002 ppm	0.2489 ppm	0.0006 ppm	-0.0013 ppm	0.0005 ppm
Concentration per Run 3	0.0009 ppm	5.5690 ppm	0.0005 ppm	0.2489 ppm	0.0005 ppm	-0.0016 ppm	0.0003 ppm
Concentration RSD	112.0 %	0.0 %	210.0 %	1.1 %	8.6 %	195.0 %	54.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0069 ppm	102.8853 %	101.7422 %	104.1071 %	105.3664 %	100.8373 %	105.4111 %
Concentration per Run 1	0.0071 ppm	103.8593 %	101.5754 %	104.2584 %	106.6082 %	100.9029 %	105.2770 %
Concentration per Run 2	0.0068 ppm	102.5277 %	101.8807 %	104.3532 %	104.9871 %	100.9369 %	105.5139 %
Concentration per Run 3	0.0068 ppm	102.2690 %	101.7704 %	103.7097 %	104.5038 %	100.6723 %	105.4424 %
Concentration RSD	2.7 %	0.8 %	0.2 %	0.3 %	1.0 %	0.1 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-05 WG2038531
Analysis started at: 3/10/2025 23:07:44
Comments <Comment>
Rack: 2
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0063 ppm	-0.0008 ppm	0.0172 ppm	0.0256 ppm	0.0000 ppm	10.6163 ppm
Concentration per Run 1	0.0001 ppm	0.0056 ppm	0.0002 ppm	0.0174 ppm	0.0251 ppm	0.0000 ppm	10.4946 ppm
Concentration per Run 2	0.0001 ppm	0.0018 ppm	-0.0019 ppm	0.0172 ppm	0.0257 ppm	0.0000 ppm	10.7114 ppm
Concentration per Run 3	0.0000 ppm	0.0113 ppm	-0.0006 ppm	0.0170 ppm	0.0259 ppm	0.0000 ppm	10.6429 ppm
Concentration RSD	142.9 %	76.5 %	140.6 %	1.2 %	1.6 %	468.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0008 ppm	0.0030 ppm	1.1094 ppm	0.0020 ppm
Concentration per Run 1	0.0000 ppm	-0.0005 ppm	0.0010 ppm	0.0010 ppm	0.0035 ppm	1.0947 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0009 ppm	0.0007 ppm	0.0026 ppm	1.1118 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0006 ppm	0.0029 ppm	1.1217 ppm	0.0015 ppm
Concentration RSD	16.9 %	430.5 %	5.3 %	24.2 %	14.0 %	1.2 %	21.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0791 ppm	0.0008 ppm	0.0004 ppm	14.5945 ppm	0.0002 ppm	-0.0022 ppm	-0.0010 ppm
Concentration per Run 1	5.0836 ppm	0.0009 ppm	0.0006 ppm	14.3994 ppm	-0.0002 ppm	-0.0014 ppm	-0.0004 ppm
Concentration per Run 2	5.0873 ppm	0.0006 ppm	0.0002 ppm	14.6868 ppm	0.0006 ppm	-0.0038 ppm	0.0002 ppm
Concentration per Run 3	5.0665 ppm	0.0008 ppm	0.0004 ppm	14.6975 ppm	0.0002 ppm	-0.0014 ppm	-0.0027 ppm
Concentration RSD	0.2 %	15.5 %	49.9 %	1.2 %	198.4 %	63.4 %	154.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	8.2134 ppm	0.0011 ppm	0.0565 ppm	0.0003 ppm	-0.0039 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	8.1999 ppm	0.0016 ppm	0.0557 ppm	0.0004 ppm	-0.0035 ppm	0.0002 ppm
Concentration per Run 2	0.0006 ppm	8.2082 ppm	0.0006 ppm	0.0568 ppm	0.0004 ppm	-0.0040 ppm	0.0004 ppm
Concentration per Run 3	0.0007 ppm	8.2322 ppm	0.0012 ppm	0.0569 ppm	0.0002 ppm	-0.0043 ppm	0.0001 ppm
Concentration RSD	32.3 %	0.2 %	44.5 %	1.2 %	30.4 %	10.2 %	72.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	103.8942 %	104.2756 %	104.5287 %	106.6691 %	99.9625 %	108.1541 %
Concentration per Run 1	-0.0002 ppm	104.9646 %	104.4143 %	105.0360 %	108.1063 %	100.1825 %	108.2780 %
Concentration per Run 2	0.0000 ppm	103.2589 %	104.3955 %	104.5732 %	105.8094 %	100.1231 %	108.1839 %
Concentration per Run 3	0.0000 ppm	103.4592 %	104.0168 %	103.9770 %	106.0916 %	99.5819 %	108.0003 %
Concentration RSD	163.3 %	0.9 %	0.2 %	0.5 %	1.2 %	0.3 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-07 WG2038531
Analysis started at: 3/10/2025 23:12:56
Comments <Comment>
Rack: 2
Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0048 ppm	0.0006 ppm	0.0256 ppm	0.0223 ppm	0.0000 ppm	9.9021 ppm
Concentration per Run 1	0.0004 ppm	0.0059 ppm	0.0013 ppm	0.0260 ppm	0.0219 ppm	0.0000 ppm	9.8228 ppm
Concentration per Run 2	0.0001 ppm	0.0036 ppm	-0.0008 ppm	0.0252 ppm	0.0223 ppm	0.0000 ppm	9.9568 ppm
Concentration per Run 3	0.0003 ppm	0.0049 ppm	0.0014 ppm	0.0255 ppm	0.0225 ppm	0.0000 ppm	9.9266 ppm
Concentration RSD	46.2 %	23.5 %	200.6 %	1.6 %	1.5 %	142.3 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0019 ppm	0.0000 ppm	0.0007 ppm	1.9314 ppm	0.9720 ppm	0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0018 ppm	-0.0001 ppm	0.0006 ppm	1.9061 ppm	0.9524 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	0.0020 ppm	0.0000 ppm	0.0007 ppm	1.9406 ppm	0.9807 ppm	0.0022 ppm
Concentration per Run 3	-0.0001 ppm	0.0018 ppm	0.0002 ppm	0.0007 ppm	1.9474 ppm	0.9830 ppm	0.0010 ppm
Concentration RSD	665.8 %	6.5 %	458.9 %	12.5 %	1.1 %	1.8 %	40.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.6358 ppm	0.0332 ppm	0.0004 ppm	8.5034 ppm	0.0016 ppm	-0.0014 ppm	-0.0003 ppm
Concentration per Run 1	4.6599 ppm	0.0333 ppm	0.0003 ppm	8.3783 ppm	0.0017 ppm	-0.0024 ppm	0.0003 ppm
Concentration per Run 2	4.6068 ppm	0.0331 ppm	0.0005 ppm	8.5511 ppm	0.0018 ppm	-0.0007 ppm	-0.0016 ppm
Concentration per Run 3	4.6407 ppm	0.0333 ppm	0.0002 ppm	8.5807 ppm	0.0012 ppm	-0.0012 ppm	0.0004 ppm
Concentration RSD	0.6 %	0.4 %	38.4 %	1.3 %	19.4 %	62.8 %	384.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	8.2834 ppm	0.0043 ppm	0.0421 ppm	0.0002 ppm	-0.0028 ppm	0.0000 ppm
Concentration per Run 1	0.0005 ppm	8.3088 ppm	0.0034 ppm	0.0415 ppm	0.0003 ppm	-0.0021 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	8.2683 ppm	0.0042 ppm	0.0424 ppm	0.0001 ppm	-0.0021 ppm	0.0001 ppm
Concentration per Run 3	0.0001 ppm	8.2731 ppm	0.0053 ppm	0.0426 ppm	0.0003 ppm	-0.0043 ppm	-0.0001 ppm
Concentration RSD	89.2 %	0.3 %	22.5 %	1.4 %	63.7 %	44.9 %	393.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0041 ppm	104.3431 %	104.6719 %	104.1906 %	107.2767 %	99.5917 %	108.6481 %
Concentration per Run 1	0.0043 ppm	104.9372 %	104.6738 %	104.1071 %	108.2670 %	99.4080 %	108.5323 %
Concentration per Run 2	0.0041 ppm	103.7513 %	105.0357 %	104.1767 %	106.6842 %	99.7603 %	109.1520 %
Concentration per Run 3	0.0041 ppm	104.3409 %	104.3061 %	104.2879 %	106.8789 %	99.6068 %	108.2599 %
Concentration RSD	2.6 %	0.6 %	0.3 %	0.1 %	0.8 %	0.2 %	0.4 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-08 WG2038531
Analysis started at: 3/10/2025 23:18:06
Comments <Comment>
Rack: 2
Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0071 ppm	-0.0002 ppm	0.0151 ppm	0.0242 ppm	0.0000 ppm	18.9732 ppm
Concentration per Run 1	0.0003 ppm	0.0088 ppm	0.0001 ppm	0.0150 ppm	0.0237 ppm	0.0000 ppm	18.6646 ppm
Concentration per Run 2	0.0003 ppm	0.0110 ppm	-0.0001 ppm	0.0146 ppm	0.0246 ppm	0.0000 ppm	19.2632 ppm
Concentration per Run 3	0.0001 ppm	0.0015 ppm	-0.0007 ppm	0.0156 ppm	0.0242 ppm	0.0000 ppm	18.9918 ppm
Concentration RSD	46.9 %	69.9 %	176.4 %	3.1 %	1.7 %	56.2 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0046 ppm	2.1543 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0009 ppm	0.0042 ppm	2.1200 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0007 ppm	0.0044 ppm	2.1882 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0053 ppm	2.1549 ppm	0.0002 ppm
Concentration RSD	68.3 %	197.9 %	21.6 %	13.2 %	13.1 %	1.6 %	58.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9529 ppm	0.0006 ppm	0.0010 ppm	6.4287 ppm	0.0008 ppm	-0.0011 ppm	-0.0027 ppm
Concentration per Run 1	4.9638 ppm	0.0007 ppm	0.0010 ppm	6.3109 ppm	0.0008 ppm	-0.0009 ppm	-0.0025 ppm
Concentration per Run 2	4.9458 ppm	0.0005 ppm	0.0010 ppm	6.5598 ppm	0.0012 ppm	0.0001 ppm	-0.0023 ppm
Concentration per Run 3	4.9490 ppm	0.0007 ppm	0.0012 ppm	6.4155 ppm	0.0006 ppm	-0.0023 ppm	-0.0034 ppm
Concentration RSD	0.2 %	19.5 %	9.9 %	1.9 %	36.9 %	112.3 %	22.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	4.0406 ppm	0.0009 ppm	0.0636 ppm	0.0003 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 1	-0.0007 ppm	4.0435 ppm	0.0018 ppm	0.0624 ppm	0.0003 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0028 ppm	4.0313 ppm	0.0008 ppm	0.0648 ppm	0.0003 ppm	-0.0017 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	4.0470 ppm	0.0003 ppm	0.0636 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm
Concentration RSD	267.2 %	0.2 %	82.4 %	1.9 %	6.5 %	70.5 %	42.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0003 ppm	103.8153 %	104.5007 %	104.6827 %	106.3715 %	100.0892 %	108.4725 %
Concentration per Run 1	-0.0002 ppm	105.5839 %	104.3816 %	104.9153 %	108.2824 %	100.1144 %	108.4418 %
Concentration per Run 2	-0.0003 ppm	102.6951 %	104.6700 %	104.6246 %	104.8801 %	100.2549 %	108.4908 %
Concentration per Run 3	-0.0002 ppm	103.1668 %	104.4505 %	104.5082 %	105.9521 %	99.8983 %	108.4850 %
Concentration RSD	26.5 %	1.5 %	0.1 %	0.2 %	1.6 %	0.2 %	0.0 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: L2511944-09 WG2038531
Analysis started at: 3/10/2025 23:23:16
Comments <Comment>
Rack: 2
Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0044 ppm	-0.0003 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0325 ppm
Concentration per Run 1	-0.0001 ppm	0.0027 ppm	-0.0002 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0331 ppm
Concentration per Run 2	0.0000 ppm	0.0045 ppm	-0.0017 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0323 ppm
Concentration per Run 3	0.0003 ppm	0.0059 ppm	0.0009 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0322 ppm
Concentration RSD	334.8 %	37.6 %	384.6 %	19.2 %	20.8 %	95.7 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0020 ppm	0.0139 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0020 ppm	0.0233 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0020 ppm	0.0150 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0019 ppm	0.0036 ppm	-0.0002 ppm
Concentration RSD	58.5 %	284.5 %	137.4 %	19.3 %	3.3 %	71.0 %	408.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0028 ppm	0.0003 ppm	0.0002 ppm	0.0266 ppm	0.0004 ppm	-0.0013 ppm	-0.0015 ppm
Concentration per Run 1	0.0019 ppm	0.0002 ppm	0.0002 ppm	0.0251 ppm	0.0007 ppm	-0.0010 ppm	-0.0012 ppm
Concentration per Run 2	0.0039 ppm	0.0001 ppm	0.0001 ppm	0.0279 ppm	0.0000 ppm	-0.0015 ppm	-0.0003 ppm
Concentration per Run 3	0.0027 ppm	0.0004 ppm	0.0004 ppm	0.0268 ppm	0.0006 ppm	-0.0013 ppm	-0.0030 ppm
Concentration RSD	34.7 %	52.0 %	58.4 %	5.3 %	84.3 %	17.8 %	91.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	0.0112 ppm	0.0003 ppm	0.0005 ppm	-0.0001 ppm	-0.0027 ppm	-0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0129 ppm	0.0006 ppm	0.0005 ppm	-0.0002 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0105 ppm	0.0002 ppm	0.0006 ppm	0.0000 ppm	-0.0042 ppm	-0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0100 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0016 ppm	-0.0002 ppm
Concentration RSD	52.7 %	13.9 %	134.2 %	5.0 %	261.0 %	50.1 %	151.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	104.5652 %	105.7387 %	104.1078 %	106.6816 %	99.6003 %	109.2146 %
Concentration per Run 1	0.0003 ppm	105.5775 %	106.1240 %	104.0299 %	107.7744 %	99.5409 %	109.5170 %
Concentration per Run 2	0.0005 ppm	104.3793 %	105.4870 %	104.4331 %	106.4298 %	100.2386 %	109.0600 %
Concentration per Run 3	0.0004 ppm	103.7389 %	105.6052 %	103.8603 %	105.8408 %	99.0216 %	109.0668 %
Concentration RSD	26.8 %	0.9 %	0.3 %	0.3 %	0.9 %	0.6 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 23:28:29
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4548 ppm	0.5185 ppm	0.4917 ppm	0.4919 ppm	0.4907 ppm	0.4894 ppm	0.4857 ppm
Concentration per Run 1	0.4591 ppm	0.5171 ppm	0.4941 ppm	0.4937 ppm	0.4837 ppm	0.4825 ppm	0.4802 ppm
Concentration per Run 2	0.4524 ppm	0.5201 ppm	0.4904 ppm	0.4905 ppm	0.4930 ppm	0.4917 ppm	0.4866 ppm
Concentration per Run 3	0.4529 ppm	0.5184 ppm	0.4906 ppm	0.4915 ppm	0.4953 ppm	0.4939 ppm	0.4904 ppm
Recovery Percentage 1	90.961 %	103.705 %	98.339 %	98.373 %	98.133 %	97.877 %	97.140 %
Concentration RSD	0.8 %	0.3 %	0.4 %	0.3 %	1.3 %	1.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5185 ppm	0.5063 ppm	0.4786 ppm	0.4828 ppm	0.4914 ppm	5.1704 ppm	0.4908 ppm
Concentration per Run 1	0.5210 ppm	0.5084 ppm	0.4835 ppm	0.4878 ppm	0.4855 ppm	5.1008 ppm	0.4846 ppm
Concentration per Run 2	0.5186 ppm	0.5062 ppm	0.4758 ppm	0.4800 ppm	0.4931 ppm	5.2048 ppm	0.4928 ppm
Concentration per Run 3	0.5157 ppm	0.5044 ppm	0.4765 ppm	0.4805 ppm	0.4957 ppm	5.2057 ppm	0.4950 ppm
Recovery Percentage 1	103.691 %	101.264 %	95.721 %	96.553 %	98.285 %	103.409 %	98.158 %
Concentration RSD	0.5 %	0.4 %	0.9 %	0.9 %	1.1 %	1.2 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5041 ppm	0.4795 ppm	0.4771 ppm	9.9187 ppm	0.4930 ppm	0.4902 ppm	0.5065 ppm
Concentration per Run 1	0.5095 ppm	0.4730 ppm	0.4799 ppm	9.8038 ppm	0.4955 ppm	0.4920 ppm	0.5081 ppm
Concentration per Run 2	0.5002 ppm	0.4819 ppm	0.4762 ppm	9.9529 ppm	0.4930 ppm	0.4918 ppm	0.5065 ppm
Concentration per Run 3	0.5026 ppm	0.4837 ppm	0.4752 ppm	9.9994 ppm	0.4904 ppm	0.4869 ppm	0.5050 ppm
Recovery Percentage 1	100.818 %	95.908 %	95.426 %	99.187 %	98.592 %	98.044 %	101.304 %
Concentration RSD	1.0 %	1.2 %	0.5 %	1.0 %	0.5 %	0.6 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4856 ppm	5.7392 ppm	0.5145 ppm	0.4990 ppm	0.4799 ppm	0.4757 ppm	0.4751 ppm
Concentration per Run 1	0.4852 ppm	5.7692 ppm	0.5187 ppm	0.4922 ppm	0.4856 ppm	0.4790 ppm	0.4805 ppm
Concentration per Run 2	0.4866 ppm	5.7182 ppm	0.5136 ppm	0.5012 ppm	0.4765 ppm	0.4751 ppm	0.4716 ppm
Concentration per Run 3	0.4851 ppm	5.7302 ppm	0.5112 ppm	0.5037 ppm	0.4774 ppm	0.4732 ppm	0.4732 ppm
Recovery Percentage 1	97.127 %	109.318 %	102.899 %	99.810 %	95.974 %	95.148 %	95.023 %
Concentration RSD	0.2 %	0.5 %	0.7 %	1.2 %	1.0 %	0.6 %	1.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5084 ppm	102.9108 %	103.7309 %	105.0472 %	105.7877 %	101.3518 %	107.8026 %
Concentration per Run 1	0.5105 ppm	104.0327 %	102.9095 %	105.3776 %	107.1343 %	101.0062 %	106.9400 %
Concentration per Run 2	0.5088 ppm	102.0175 %	104.4567 %	105.1176 %	104.9067 %	101.6255 %	108.4304 %
Concentration per Run 3	0.5059 ppm	102.6822 %	103.8266 %	104.6465 %	105.3221 %	101.4237 %	108.0375 %
Recovery Percentage 1	101.680 %						
Concentration RSD	0.5 %	1.0 %	0.8 %	0.4 %	1.1 %	0.3 %	0.7 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 23:33:22
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0005 ppm	0.0041 ppm	0.0001 ppm	0.0010 ppm	0.0003 ppm	0.0002 ppm	0.0100 ppm
Concentration per Run 1	0.0004 ppm	0.0046 ppm	-0.0003 ppm	0.0008 ppm	0.0003 ppm	0.0002 ppm	0.0083 ppm
Concentration per Run 2	0.0003 ppm	0.0017 ppm	-0.0017 ppm	0.0010 ppm	0.0003 ppm	0.0002 ppm	0.0114 ppm
Concentration per Run 3	0.0007 ppm	0.0059 ppm	0.0022 ppm	0.0012 ppm	0.0003 ppm	0.0002 ppm	0.0105 ppm
Recovery Percentage 1	9.270 %	4.058 %	1.030 %	3.237 %	2.837 %	4.649 %	10.032 %
Concentration RSD	46.9 %	52.0 %	3,859.9 %	20.8 %	8.8 %	5.9 %	15.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0074 ppm	0.0122 ppm	0.0013 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0069 ppm	0.0071 ppm	0.0013 ppm
Concentration per Run 2	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm	0.0074 ppm	0.0168 ppm	0.0012 ppm
Concentration per Run 3	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0079 ppm	0.0126 ppm	0.0013 ppm
Recovery Percentage 1	9.299 %	0.902 %	0.802 %	6.682 %	14.820 %	0.486 %	12.543 %
Concentration RSD	2.4 %	80.5 %	139.5 %	23.4 %	7.3 %	40.0 %	5.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0025 ppm	0.0007 ppm	0.0004 ppm	0.0136 ppm	0.0005 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0013 ppm	0.0006 ppm	0.0006 ppm	0.0093 ppm	0.0006 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 2	0.0030 ppm	0.0006 ppm	0.0002 ppm	0.0161 ppm	0.0004 ppm	-0.0006 ppm	0.0015 ppm
Concentration per Run 3	0.0032 ppm	0.0008 ppm	0.0005 ppm	0.0155 ppm	0.0005 ppm	-0.0005 ppm	0.0013 ppm
Recovery Percentage 1	2.489 %	6.692 %	0.866 %	0.682 %	1.817 %	-0.591 %	1.743 %
Concentration RSD	41.2 %	20.7 %	51.3 %	27.9 %	21.5 %	1,521.6 %	101.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	0.0068 ppm	0.0009 ppm	0.0003 ppm	0.0004 ppm	-0.0012 ppm	0.0003 ppm
Concentration per Run 1	0.0026 ppm	0.0057 ppm	0.0004 ppm	0.0003 ppm	0.0004 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 2	-0.0013 ppm	0.0086 ppm	0.0011 ppm	0.0002 ppm	0.0003 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 3	0.0017 ppm	0.0062 ppm	0.0011 ppm	0.0003 ppm	0.0004 ppm	-0.0029 ppm	0.0003 ppm
Recovery Percentage 1	9.862 %	1.363 %	1.722 %	2.912 %	3.714 %	-5.916 %	2.770 %
Concentration RSD	208.1 %	23.3 %	48.0 %	23.9 %	19.0 %	164.2 %	35.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0008 ppm	102.6414 %	103.2241 %	104.8472 %	103.8478 %	101.4472 %	105.8500 %
Concentration per Run 1	-0.0009 ppm	102.8625 %	104.1101 %	104.7670 %	104.2523 %	101.4666 %	106.7925 %
Concentration per Run 2	-0.0008 ppm	102.5394 %	101.2601 %	104.8088 %	103.8004 %	101.4285 %	103.8413 %
Concentration per Run 3	-0.0008 ppm	102.5224 %	104.3020 %	104.9656 %	103.4906 %	101.4466 %	106.9162 %
Recovery Percentage 1	-16.558 %						
Concentration RSD	5.4 %	0.2 %	1.7 %	0.1 %	0.4 %	0.0 %	1.6 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCV
Analysis started at: 3/10/2025 23:38:35
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4529 ppm	0.5225 ppm	0.4910 ppm	0.4934 ppm	0.4920 ppm	0.4913 ppm	0.4898 ppm
Concentration per Run 1	0.4531 ppm	0.5186 ppm	0.4904 ppm	0.4917 ppm	0.4834 ppm	0.4839 ppm	0.4851 ppm
Concentration per Run 2	0.4530 ppm	0.5212 ppm	0.4902 ppm	0.4939 ppm	0.4968 ppm	0.4958 ppm	0.4943 ppm
Concentration per Run 3	0.4527 ppm	0.5277 ppm	0.4924 ppm	0.4947 ppm	0.4959 ppm	0.4941 ppm	0.4899 ppm
Recovery Percentage 1	90.583 %	104.498 %	98.195 %	98.686 %	98.407 %	98.252 %	97.956 %
Concentration RSD	0.0 %	0.9 %	0.2 %	0.3 %	1.5 %	1.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5204 ppm	0.5079 ppm	0.4819 ppm	0.4801 ppm	0.4937 ppm	5.1633 ppm	0.4903 ppm
Concentration per Run 1	0.5194 ppm	0.5058 ppm	0.4817 ppm	0.4812 ppm	0.4867 ppm	5.0823 ppm	0.4822 ppm
Concentration per Run 2	0.5204 ppm	0.5080 ppm	0.4826 ppm	0.4788 ppm	0.4982 ppm	5.2262 ppm	0.4944 ppm
Concentration per Run 3	0.5215 ppm	0.5100 ppm	0.4814 ppm	0.4803 ppm	0.4961 ppm	5.1814 ppm	0.4942 ppm
Recovery Percentage 1	104.084 %	101.584 %	96.383 %	96.023 %	98.731 %	103.266 %	98.053 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.3 %	1.2 %	1.4 %	1.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5090 ppm	0.4834 ppm	0.4797 ppm	9.9739 ppm	0.4941 ppm	0.4904 ppm	0.5081 ppm
Concentration per Run 1	0.5089 ppm	0.4769 ppm	0.4781 ppm	9.8186 ppm	0.4929 ppm	0.4890 ppm	0.5073 ppm
Concentration per Run 2	0.5103 ppm	0.4873 ppm	0.4798 ppm	10.0686 ppm	0.4941 ppm	0.4914 ppm	0.5086 ppm
Concentration per Run 3	0.5078 ppm	0.4859 ppm	0.4810 ppm	10.0343 ppm	0.4953 ppm	0.4910 ppm	0.5083 ppm
Recovery Percentage 1	101.803 %	96.670 %	95.931 %	99.739 %	98.819 %	98.089 %	101.613 %
Concentration RSD	0.2 %	1.2 %	0.3 %	1.4 %	0.3 %	0.3 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4871 ppm	5.7569 ppm	0.5170 ppm	0.4991 ppm	0.4804 ppm	0.4788 ppm	0.4750 ppm
Concentration per Run 1	0.4878 ppm	5.7418 ppm	0.5138 ppm	0.4907 ppm	0.4811 ppm	0.4777 ppm	0.4752 ppm
Concentration per Run 2	0.4850 ppm	5.7573 ppm	0.5186 ppm	0.5036 ppm	0.4799 ppm	0.4778 ppm	0.4744 ppm
Concentration per Run 3	0.4884 ppm	5.7717 ppm	0.5186 ppm	0.5029 ppm	0.4802 ppm	0.4808 ppm	0.4753 ppm
Recovery Percentage 1	97.418 %	109.656 %	103.393 %	99.813 %	96.076 %	95.758 %	94.994 %
Concentration RSD	0.4 %	0.3 %	0.5 %	1.5 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5103 ppm	102.3520 %	103.6100 %	105.2403 %	105.0609 %	101.2136 %	107.5040 %
Concentration per Run 1	0.5092 ppm	103.3649 %	103.7556 %	105.6117 %	106.2849 %	101.6486 %	107.6007 %
Concentration per Run 2	0.5105 ppm	101.4578 %	103.6096 %	105.1911 %	103.9745 %	101.2208 %	107.4704 %
Concentration per Run 3	0.5112 ppm	102.2335 %	103.4647 %	104.9181 %	104.9234 %	100.7714 %	107.4410 %
Recovery Percentage 1	102.058 %						
Concentration RSD	0.2 %	0.9 %	0.1 %	0.3 %	1.1 %	0.4 %	0.1 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: CCB
Analysis started at: 3/10/2025 23:43:28
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0039 ppm	0.0012 ppm	0.0008 ppm	0.0004 ppm	0.0003 ppm	0.0085 ppm
Concentration per Run 1	0.0004 ppm	0.0043 ppm	-0.0012 ppm	0.0010 ppm	0.0004 ppm	0.0003 ppm	0.0066 ppm
Concentration per Run 2	0.0007 ppm	0.0066 ppm	0.0025 ppm	0.0008 ppm	0.0004 ppm	0.0003 ppm	0.0107 ppm
Concentration per Run 3	0.0005 ppm	0.0009 ppm	0.0023 ppm	0.0008 ppm	0.0005 ppm	0.0003 ppm	0.0082 ppm
Recovery Percentage 1	11.043 %	3.915 %	24.279 %	2.833 %	4.119 %	5.401 %	8.518 %
Concentration RSD	29.7 %	72.9 %	170.1 %	13.8 %	10.7 %	2.9 %	23.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0076 ppm	0.0109 ppm	0.0009 ppm
Concentration per Run 1	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0006 ppm	0.0070 ppm	0.0147 ppm	0.0005 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0078 ppm	0.0053 ppm	0.0014 ppm
Concentration per Run 3	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0079 ppm	0.0128 ppm	0.0009 ppm
Recovery Percentage 1	7.531 %	0.388 %	1.424 %	5.807 %	15.191 %	0.438 %	9.074 %
Concentration RSD	10.6 %	266.2 %	93.4 %	8.2 %	6.7 %	45.1 %	47.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0006 ppm	0.0004 ppm	0.0132 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0028 ppm	0.0007 ppm	0.0004 ppm	0.0151 ppm	0.0006 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 2	0.0015 ppm	0.0006 ppm	0.0003 ppm	0.0147 ppm	0.0006 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run 3	0.0016 ppm	0.0005 ppm	0.0005 ppm	0.0098 ppm	0.0006 ppm	-0.0007 ppm	0.0013 ppm
Recovery Percentage 1	1.952 %	6.079 %	0.781 %	0.661 %	2.489 %	-5.561 %	0.245 %
Concentration RSD	37.4 %	12.8 %	29.3 %	22.2 %	6.3 %	40.1 %	1,238.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	0.0053 ppm	0.0016 ppm	0.0004 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0015 ppm	0.0054 ppm	0.0017 ppm	0.0004 ppm	0.0005 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run 2	0.0014 ppm	0.0049 ppm	0.0015 ppm	0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 3	0.0030 ppm	0.0056 ppm	0.0017 ppm	0.0005 ppm	0.0005 ppm	-0.0005 ppm	0.0003 ppm
Recovery Percentage 1	19.715 %	1.059 %	3.222 %	4.042 %	4.268 %	-0.457 %	3.242 %
Concentration RSD	46.8 %	6.3 %	6.2 %	10.5 %	33.1 %	498.3 %	48.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0008 ppm	102.9548 %	104.4084 %	104.9322 %	104.5269 %	101.6457 %	107.0735 %
Concentration per Run 1	-0.0007 ppm	103.0704 %	104.3964 %	105.0177 %	104.8411 %	101.7904 %	106.9778 %
Concentration per Run 2	-0.0009 ppm	102.9906 %	104.6913 %	104.8582 %	104.4571 %	101.7634 %	107.3051 %
Concentration per Run 3	-0.0008 ppm	102.8033 %	104.1374 %	104.9208 %	104.2825 %	101.3834 %	106.9378 %
Recovery Percentage 1	-15.584 %						
Concentration RSD	15.2 %	0.1 %	0.3 %	0.1 %	0.3 %	0.2 %	0.2 %

ICP Data Trace 7

3/11/2025 09:54:35

LabBook: WG2038403_03102025T7.imexp

Sample: LLOQ
Analysis started at: 3/10/2025 23:48:40
Comments <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0049 ppm	0.1107 ppm	0.0031 ppm	0.0315 ppm	0.0102 ppm	0.0051 ppm	0.1141 ppm
Concentration per Run 1	0.0049 ppm	0.1118 ppm	0.0032 ppm	0.0314 ppm	0.0100 ppm	0.0050 ppm	0.1154 ppm
Concentration per Run 2	0.0052 ppm	0.1079 ppm	0.0025 ppm	0.0318 ppm	0.0102 ppm	0.0051 ppm	0.1137 ppm
Concentration per Run 3	0.0047 ppm	0.1123 ppm	0.0037 ppm	0.0313 ppm	0.0102 ppm	0.0051 ppm	0.1131 ppm
Recovery Percentage 1	98.834 %	110.650 %	62.332 %	105.108 %	101.687 %	101.236 %	114.082 %
Concentration RSD	4.5 %	2.2 %	18.7 %	0.9 %	1.1 %	0.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0045 ppm	0.0103 ppm	0.0097 ppm	0.0103 ppm	0.0553 ppm	2.6519 ppm	0.0105 ppm
Concentration per Run 1	0.0045 ppm	0.0104 ppm	0.0097 ppm	0.0103 ppm	0.0539 ppm	2.6395 ppm	0.0106 ppm
Concentration per Run 2	0.0045 ppm	0.0105 ppm	0.0098 ppm	0.0104 ppm	0.0559 ppm	2.6544 ppm	0.0105 ppm
Concentration per Run 3	0.0046 ppm	0.0100 ppm	0.0096 ppm	0.0102 ppm	0.0562 ppm	2.6617 ppm	0.0106 ppm
Recovery Percentage 1	112.640 %	103.060 %	97.105 %	102.924 %	110.637 %	106.075 %	105.432 %
Concentration RSD	1.0 %	2.4 %	1.2 %	1.0 %	2.2 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1071 ppm	0.0103 ppm	0.0499 ppm	2.0589 ppm	0.0205 ppm	0.0074 ppm	0.0521 ppm
Concentration per Run 1	0.1075 ppm	0.0102 ppm	0.0501 ppm	2.0396 ppm	0.0204 ppm	0.0086 ppm	0.0526 ppm
Concentration per Run 2	0.1089 ppm	0.0104 ppm	0.0498 ppm	2.0695 ppm	0.0205 ppm	0.0072 ppm	0.0514 ppm
Concentration per Run 3	0.1048 ppm	0.0104 ppm	0.0498 ppm	2.0675 ppm	0.0204 ppm	0.0065 ppm	0.0523 ppm
Recovery Percentage 1	107.084 %	103.368 %	99.803 %	102.943 %	81.817 %	74.016 %	104.239 %
Concentration RSD	1.9 %	1.2 %	0.4 %	0.8 %	0.4 %	14.3 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0103 ppm	0.5718 ppm	0.0546 ppm	0.0103 ppm	0.0099 ppm	0.0160 ppm	0.0097 ppm
Concentration per Run 1	0.0102 ppm	0.5709 ppm	0.0541 ppm	0.0102 ppm	0.0098 ppm	0.0177 ppm	0.0097 ppm
Concentration per Run 2	0.0109 ppm	0.5725 ppm	0.0552 ppm	0.0103 ppm	0.0099 ppm	0.0170 ppm	0.0096 ppm
Concentration per Run 3	0.0099 ppm	0.5720 ppm	0.0546 ppm	0.0104 ppm	0.0099 ppm	0.0134 ppm	0.0096 ppm
Recovery Percentage 1	103.293 %	114.358 %	109.255 %	103.308 %	98.545 %	80.188 %	96.718 %
Concentration RSD	5.2 %	0.1 %	1.0 %	0.8 %	0.7 %	14.4 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0047 ppm	102.5629 %	104.0179 %	104.6064 %	104.7367 %	99.7601 %	107.6044 %
Concentration per Run 1	0.0048 ppm	103.3517 %	103.9883 %	104.9478 %	105.6176 %	99.9268 %	107.6295 %
Concentration per Run 2	0.0047 ppm	102.2246 %	103.8532 %	104.3838 %	104.4121 %	99.5619 %	107.3633 %
Concentration per Run 3	0.0046 ppm	102.1125 %	104.2122 %	104.4876 %	104.1803 %	99.7915 %	107.8204 %
Recovery Percentage 1	93.859 %						
Concentration RSD	2.3 %	0.7 %	0.2 %	0.3 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: Blank TAA Trace6
Analysis started at: 3/10/2025 1:29:03 PM
Rack: 0
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	4.0 %	-0.3 %	0.1 %	0.1 %	0.8 %	0.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.5 %	0.4 %	-0.2 %	0.0 %	4.8 %	0.0 %	5.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.1 %	0.3 %	0.0 %	0.0 %	-1.4 %	-0.3 %	-0.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.0 %	0.3 %	1.4 %	-0.7 %	-0.2 %	-0.1 %	0.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration per Run	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration RSD	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	1.1 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: ICAL
Analysis started at: 3/10/2025 1:35:40 PM
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9990 ppm	23.8156 ppm	0.9922 ppm	0.9984 ppm	0.9730 ppm	0.9497 ppm	9.5130 ppm
Concentration per Run 2	0.9965 ppm	25.3264 ppm	1.0197 ppm	1.0063 ppm	1.0095 ppm	1.0167 ppm	10.1699 ppm
Concentration per Run 3	1.0044 ppm	25.8581 ppm	0.9881 ppm	0.9953 ppm	1.0176 ppm	1.0337 ppm	10.3171 ppm
Concentration RSD	0.4 %	4.2 %	1.7 %	0.6 %	2.4 %	4.4 %	4.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9939 ppm	0.9926 ppm	0.9973 ppm	1.0012 ppm	23.6986 ppm	33.9838 ppm	9.9922 ppm
Concentration per Run 2	1.0152 ppm	1.0169 ppm	0.9997 ppm	0.9935 ppm	25.4322 ppm	35.2615 ppm	9.9896 ppm
Concentration per Run 3	0.9909 ppm	0.9905 ppm	1.0030 ppm	1.0053 ppm	25.8693 ppm	35.7547 ppm	10.0182 ppm
Concentration RSD	1.3 %	1.5 %	0.3 %	0.6 %	4.6 %	2.6 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9506 ppm	0.9884 ppm	23.7508 ppm	0.9924 ppm	0.9939 ppm	0.9914 ppm	0.9925 ppm
Concentration per Run 2	1.0162 ppm	1.0183 ppm	25.2733 ppm	1.0159 ppm	1.0149 ppm	1.0165 ppm	1.0140 ppm
Concentration per Run 3	1.0332 ppm	0.9933 ppm	25.9759 ppm	0.9917 ppm	0.9911 ppm	0.9921 ppm	0.9935 ppm
Concentration RSD	4.4 %	1.6 %	4.5 %	1.4 %	1.3 %	1.4 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9215 ppm	0.9932 ppm	0.9521 ppm	0.9987 ppm	0.9929 ppm	0.9926 ppm	0.9949 ppm
Concentration per Run 2	10.1681 ppm	1.0163 ppm	1.0139 ppm	0.9982 ppm	1.0188 ppm	1.0177 ppm	1.0148 ppm
Concentration per Run 3	9.9104 ppm	0.9906 ppm	1.0339 ppm	1.0031 ppm	0.9883 ppm	0.9897 ppm	0.9903 ppm
Concentration RSD	1.5 %	1.4 %	4.3 %	0.3 %	1.6 %	1.5 %	1.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.6436 %	96.3449 %	97.0072 %	104.5747 %	91.6467 %	98.0000 %	1.0000 ppm
Concentration per Run 1	102.1095 %	96.7215 %	97.1826 %	109.4063 %	92.3884 %	98.2162 %	0.9521 ppm
Concentration per Run 2	98.3032 %	96.3786 %	96.2970 %	102.6637 %	90.0569 %	98.1593 %	1.0090 ppm
Concentration per Run 3	98.5180 %	95.9345 %	97.5419 %	101.6541 %	92.4949 %	97.6245 %	1.0389 ppm
Concentration RSD	2.1 %	0.4 %	0.7 %	4.0 %	1.5 %	0.3 %	4.4 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: ICV
Analysis started at: 3/10/2025 2:16:40 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5027 ppm	0.4913 ppm	0.4757 ppm	0.4854 ppm	0.4960 ppm	0.4891 ppm	0.4879 ppm
Concentration per Run 1	0.5010 ppm	0.4634 ppm	0.4768 ppm	0.4873 ppm	0.4872 ppm	0.4600 ppm	0.4526 ppm
Concentration per Run 2	0.5026 ppm	0.4991 ppm	0.4746 ppm	0.4841 ppm	0.4999 ppm	0.4955 ppm	0.5045 ppm
Concentration per Run 3	0.5045 ppm	0.5115 ppm	0.4758 ppm	0.4847 ppm	0.5007 ppm	0.5119 ppm	0.5066 ppm
Recovery Percentage 1	100.543 %	98.264 %	95.145 %	97.073 %	99.192 %	97.829 %	97.577 %
Concentration RSD	0.3 %	5.1 %	0.2 %	0.4 %	1.5 %	5.4 %	6.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4845 ppm	0.4884 ppm	0.5003 ppm	0.4842 ppm	0.4949 ppm	5.2164 ppm	0.5066 ppm
Concentration per Run 1	0.4860 ppm	0.4893 ppm	0.4979 ppm	0.4837 ppm	0.4662 ppm	5.1142 ppm	0.5037 ppm
Concentration per Run 2	0.4831 ppm	0.4876 ppm	0.5007 ppm	0.4851 ppm	0.5019 ppm	5.2564 ppm	0.5054 ppm
Concentration per Run 3	0.4845 ppm	0.4882 ppm	0.5022 ppm	0.4839 ppm	0.5165 ppm	5.2787 ppm	0.5106 ppm
Recovery Percentage 1	96.903 %	97.676 %	100.050 %	96.843 %	98.974 %	104.329 %	101.312 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.2 %	5.2 %	1.7 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.4753 ppm	0.4791 ppm	9.5898 ppm	0.4922 ppm	0.4872 ppm	0.4891 ppm	0.4791 ppm
Concentration per Run 1	0.4473 ppm	0.4805 ppm	8.9530 ppm	0.4934 ppm	0.4886 ppm	0.4902 ppm	0.4814 ppm
Concentration per Run 2	0.4814 ppm	0.4778 ppm	9.7334 ppm	0.4914 ppm	0.4865 ppm	0.4907 ppm	0.4809 ppm
Concentration per Run 3	0.4971 ppm	0.4791 ppm	10.0831 ppm	0.4919 ppm	0.4865 ppm	0.4863 ppm	0.4749 ppm
Recovery Percentage 1	95.053 %	95.828 %	95.898 %	98.449 %	97.437 %	97.812 %	95.813 %
Concentration RSD	5.4 %	0.3 %	6.0 %	0.2 %	0.2 %	0.5 %	0.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.3446 ppm	0.4898 ppm	0.4723 ppm	0.5031 ppm	0.4846 ppm	0.4774 ppm	0.4915 ppm
Concentration per Run 1	5.3677 ppm	0.4911 ppm	0.4422 ppm	0.5016 ppm	0.4863 ppm	0.4779 ppm	0.4926 ppm
Concentration per Run 2	5.3404 ppm	0.4891 ppm	0.4792 ppm	0.5047 ppm	0.4847 ppm	0.4772 ppm	0.4903 ppm
Concentration per Run 3	5.3257 ppm	0.4894 ppm	0.4954 ppm	0.5030 ppm	0.4828 ppm	0.4770 ppm	0.4915 ppm
Recovery Percentage 1	101.802 %	97.970 %	94.451 %	100.620 %	96.913 %	95.470 %	98.294 %
Concentration RSD	0.4 %	0.2 %	5.8 %	0.3 %	0.4 %	0.1 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.4966 %	95.1303 %	97.3164 %	110.4338 %	94.7110 %	96.7820 %	0.4749 ppm
Concentration per Run 1	100.6232 %	95.3953 %	96.9093 %	116.8900 %	94.5278 %	97.0878 %	0.4430 ppm
Concentration per Run 2	98.7874 %	94.9942 %	97.6105 %	108.7634 %	94.8949 %	96.7188 %	0.4810 ppm
Concentration per Run 3	99.0793 %	95.0013 %	97.4294 %	105.6479 %	94.7103 %	96.5396 %	0.5007 ppm
Recovery Percentage 1							94.975 %
Concentration RSD	1.0 %	0.2 %	0.4 %	5.3 %	0.2 %	0.3 %	6.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: ICB
Analysis started at: 3/10/2025 2:22:58 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0015 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run 1	-0.0003 ppm	-0.0012 ppm	-0.0010 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 2	-0.0002 ppm	0.0012 ppm	-0.0006 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run 3	-0.0001 ppm	-0.0045 ppm	-0.0003 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0061 ppm
Recovery Percentage 1	-2.577 %	-1.471 %	-12.625 %	3.245 %	-0.094 %	-0.260 %	-2.237 %
Concentration RSD	66.2 %	194.1 %	53.9 %	21.1 %	1,035.2 %	404.4 %	154.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0008 ppm	-0.0759 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0007 ppm	-0.0935 ppm	0.0021 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0004 ppm	-0.0604 ppm	-0.0026 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0015 ppm	-0.0739 ppm	-0.0024 ppm
Recovery Percentage 1	-0.252 %	-0.029 %	0.578 %	-3.150 %	1.692 %	-3.036 %	-0.972 %
Concentration RSD	185.9 %	2,113.9 %	524.6 %	52.3 %	69.5 %	22.0 %	270.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0002 ppm	0.0007 ppm	-0.0814 ppm	-0.0002 ppm	0.0001 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 1	-0.0002 ppm	0.0008 ppm	-0.0805 ppm	-0.0002 ppm	0.0002 ppm	0.0013 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	-0.0845 ppm	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	-0.0007 ppm
Concentration per Run 3	-0.0004 ppm	0.0005 ppm	-0.0793 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm
Recovery Percentage 1	-1.806 %	1.337 %	-4.072 %	-0.634 %	0.688 %	1.954 %	-0.717 %
Concentration RSD	109.0 %	26.7 %	3.3 %	12.1 %	222.6 %	51.1 %	1,066.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0011 ppm	0.0006 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	0.0018 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0004 ppm
Concentration per Run 2	0.0009 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0003 ppm	-0.0003 ppm
Concentration per Run 3	0.0007 ppm	0.0006 ppm	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm
Recovery Percentage 1	0.222 %	1.148 %	-0.801 %	-0.756 %	0.981 %	0.147 %	-7.306 %
Concentration RSD	50.7 %	23.3 %	95.5 %	188.1 %	214.7 %	2,103.1 %	8.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.6304 %	98.6345 %	100.2290 %	102.8710 %	97.4372 %	98.6098 %	-0.0003 ppm
Concentration per Run 1	103.5278 %	98.2757 %	100.6512 %	105.9669 %	96.7364 %	98.8201 %	-0.0007 ppm
Concentration per Run 2	99.5165 %	98.6216 %	100.2670 %	102.4484 %	98.0627 %	98.2927 %	0.0001 ppm
Concentration per Run 3	98.8470 %	99.0063 %	99.7688 %	100.1977 %	97.5125 %	98.7165 %	-0.0002 ppm
Recovery Percentage 1							-2.623 %
Concentration RSD	2.5 %	0.4 %	0.4 %	2.8 %	0.7 %	0.3 %	153.1 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: LLOQ RL Check
Analysis started at: 3/10/2025 2:29:38 PM
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0052 ppm	0.1073 ppm	0.0050 ppm	0.0301 ppm	0.0103 ppm	0.0056 ppm	**0.1251 ppm**
Concentration per Run 1	0.0052 ppm	0.1009 ppm	0.0042 ppm	0.0305 ppm	0.0100 ppm	0.0054 ppm	0.1258 ppm
Concentration per Run 2	0.0054 ppm	0.1070 ppm	0.0045 ppm	0.0303 ppm	0.0100 ppm	0.0054 ppm	0.1209 ppm
Concentration per Run 3	0.0050 ppm	0.1140 ppm	0.0064 ppm	0.0296 ppm	0.0109 ppm	0.0058 ppm	0.1286 ppm
Recovery Percentage 1	104.101 %	107.312 %	100.707 %	100.426 %	102.816 %	111.007 %	125.091 %
Concentration RSD	3.2 %	6.1 %	23.7 %	1.5 %	5.1 %	4.5 %	**3.1 %**

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0041 ppm	0.0101 ppm	0.0105 ppm	0.0099 ppm	0.0593 ppm	2.6051 ppm	0.1061 ppm
Concentration per Run 1	0.0041 ppm	0.0101 ppm	0.0105 ppm	0.0098 ppm	0.0586 ppm	2.5443 ppm	0.1074 ppm
Concentration per Run 2	0.0042 ppm	0.0103 ppm	0.0105 ppm	0.0100 ppm	0.0586 ppm	2.5432 ppm	0.1053 ppm
Concentration per Run 3	0.0041 ppm	0.0099 ppm	0.0105 ppm	0.0099 ppm	0.0608 ppm	2.7280 ppm	0.1057 ppm
Recovery Percentage 1	103.025 %	100.948 %	104.956 %	98.907 %	118.683 %	104.206 %	106.111 %
Concentration RSD	1.5 %	1.8 %	0.5 %	0.9 %	2.1 %	4.1 %	1.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0108 ppm	0.0504 ppm	2.0752 ppm	0.0199 ppm	0.0095 ppm	0.0521 ppm	0.0093 ppm
Concentration per Run 1	0.0104 ppm	0.0508 ppm	2.0127 ppm	0.0200 ppm	0.0092 ppm	0.0527 ppm	0.0083 ppm
Concentration per Run 2	0.0106 ppm	0.0511 ppm	2.0413 ppm	0.0202 ppm	0.0098 ppm	0.0529 ppm	0.0108 ppm
Concentration per Run 3	0.0115 ppm	0.0494 ppm	2.1718 ppm	0.0196 ppm	0.0096 ppm	0.0507 ppm	0.0088 ppm
Recovery Percentage 1	108.299 %	100.824 %	103.762 %	99.705 %	95.459 %	104.209 %	93.186 %
Concentration RSD	5.7 %	1.8 %	4.1 %	1.4 %	3.4 %	2.3 %	13.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.5295 ppm	0.0514 ppm	0.0105 ppm	0.0104 ppm	0.0184 ppm	0.0098 ppm	0.0054 ppm
Concentration per Run 1	0.5339 ppm	0.0519 ppm	0.0101 ppm	0.0103 ppm	0.0183 ppm	0.0100 ppm	0.0054 ppm
Concentration per Run 2	0.5377 ppm	0.0518 ppm	0.0104 ppm	0.0107 ppm	0.0184 ppm	0.0100 ppm	0.0055 ppm
Concentration per Run 3	0.5169 ppm	0.0506 ppm	0.0111 ppm	0.0101 ppm	0.0185 ppm	0.0095 ppm	0.0052 ppm
Recovery Percentage 1	105.902 %	102.836 %	105.299 %	103.696 %	91.959 %	98.254 %	107.094 %
Concentration RSD	2.1 %	1.4 %	5.1 %	2.9 %	0.6 %	2.7 %	3.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.3244 %	95.3774 %	96.9459 %	98.0057 %	93.1631 %	96.0844 %	0.0102 ppm
Concentration per Run 1	98.4788 %	95.2731 %	96.2539 %	100.3287 %	92.7348 %	96.0923 %	0.0113 ppm
Concentration per Run 2	98.5374 %	95.6954 %	96.2402 %	99.4486 %	91.9874 %	96.3586 %	0.0093 ppm
Concentration per Run 3	91.9571 %	95.1637 %	98.3436 %	94.2399 %	94.7669 %	95.8022 %	0.0100 ppm
Recovery Percentage 1							101.975 %
Concentration RSD	3.9 %	0.3 %	1.2 %	3.4 %	1.5 %	0.3 %	9.9 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: ICSA
Analysis started at: 3/10/2025 2:36:17 PM
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	548.6501 [SIC 500]	-0.0055 ppm	0.0045 ppm	0.0014 ppm	0.0000 ppm	517.7680 [SIC 1000]
Concentration per Run 1	-0.0001 ppm	537.4214 ppm	-0.0065 ppm	0.0043 ppm	0.0013 ppm	0.0000 ppm	509.5571 ppm
Concentration per Run 2	-0.0001 ppm	557.1833 ppm	-0.0045 ppm	0.0041 ppm	0.0014 ppm	-0.0001 ppm	524.5314 ppm
Concentration per Run 3	-0.0002 ppm	551.3455 ppm	-0.0055 ppm	0.0050 ppm	0.0013 ppm	0.0000 ppm	519.2156 ppm
Recovery Percentage 1	-1.980 %	548,650.095 %	-110.440 %	14.895 %	13.505 %	-0.759 %	517,768.024 %
Concentration RSD	39.3 %	1.9 %	18.3 %	9.8 %	2.8 %	56.5 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0055 ppm	0.0009 ppm	-0.0005 ppm	0.0036 ppm	197.4208 ppm	-0.0602 ppm	489.6864 ppm
Concentration per Run 1	-0.0055 ppm	0.0009 ppm	-0.0001 ppm	0.0036 ppm	193.5984 ppm	-0.0435 ppm	486.7493 ppm
Concentration per Run 2	-0.0056 ppm	0.0010 ppm	-0.0008 ppm	0.0037 ppm	198.8774 ppm	-0.0895 ppm	491.6846 ppm
Concentration per Run 3	-0.0055 ppm	0.0009 ppm	-0.0006 ppm	0.0036 ppm	199.7867 ppm	-0.0477 ppm	490.6253 ppm
Recovery Percentage 1	-138.565 %	4.673 %	-5.066 %	36.180 %	394,841.645 %	-2.409 %	489,686.401 %
Concentration RSD	1.5 %	1.5 %	63.5 %	2.3 %	1.7 %	42.2 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0021 ppm	-0.0016 ppm	-0.0532 ppm	-0.0103 ppm	0.0027 ppm	-0.0147 ppm	-0.0003 ppm
Concentration per Run 1	0.0020 ppm	-0.0019 ppm	-0.0431 ppm	-0.0101 ppm	0.0023 ppm	-0.0159 ppm	0.0044 ppm
Concentration per Run 2	0.0023 ppm	-0.0012 ppm	-0.0560 ppm	-0.0102 ppm	0.0026 ppm	-0.0144 ppm	-0.0029 ppm
Concentration per Run 3	0.0021 ppm	-0.0017 ppm	-0.0604 ppm	-0.0107 ppm	0.0031 ppm	-0.0137 ppm	-0.0022 ppm
Recovery Percentage 1	21.342 %	-3.176 %	-2.658 %	-41.301 %	26.918 %	-29.319 %	-2.567 %
Concentration RSD	7.2 %	22.3 %	16.9 %	3.4 %	14.9 %	7.8 %	1,562.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0092 ppm	0.0033 ppm	0.0038 ppm	0.0019 ppm	-0.0111 ppm	-0.0004 ppm	-0.0006 ppm
Concentration per Run 1	-0.0106 ppm	0.0036 ppm	0.0036 ppm	0.0018 ppm	-0.0128 ppm	-0.0005 ppm	-0.0008 ppm
Concentration per Run 2	-0.0091 ppm	0.0031 ppm	0.0039 ppm	0.0020 ppm	-0.0119 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run 3	-0.0080 ppm	0.0030 ppm	0.0039 ppm	0.0017 ppm	-0.0087 ppm	-0.0003 ppm	-0.0005 ppm
Recovery Percentage 1	-1.850 %	6.523 %	37.916 %	18.503 %	-55.711 %	-3.971 %	-11.799 %
Concentration RSD	14.2 %	9.9 %	4.7 %	8.1 %	19.4 %	28.7 %	36.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.6576 %	83.9933 %	86.2829 %	94.4941 %	68.9658 %	84.0719 %	-0.0024 ppm
Concentration per Run 1	95.1656 %	84.1669 %	86.2122 %	95.6018 %	68.7739 %	83.9755 %	-0.0030 ppm
Concentration per Run 2	94.2430 %	83.7431 %	86.0369 %	93.9991 %	68.8318 %	83.9519 %	-0.0023 ppm
Concentration per Run 3	94.5643 %	84.0700 %	86.5996 %	93.8813 %	69.2917 %	84.2882 %	-0.0019 ppm
Recovery Percentage 1							-24.046 %
Concentration RSD	0.5 %	0.3 %	0.3 %	1.0 %	0.4 %	0.2 %	23.1 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: SIC Cr Mn V Ti
Analysis started at: 3/10/2025 2:49:30 PM
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0008 ppm	-0.0047 ppm	0.0016 ppm	0.0002 ppm	-0.0032 ppm	0.0086 ppm
Concentration per Run 1	-0.0003 ppm	-0.0011 ppm	-0.0038 ppm	0.0017 ppm	0.0002 ppm	-0.0031 ppm	0.0016 ppm
Concentration per Run 2	-0.0003 ppm	0.0054 ppm	-0.0048 ppm	0.0014 ppm	0.0002 ppm	-0.0033 ppm	0.0102 ppm
Concentration per Run 3	-0.0001 ppm	-0.0020 ppm	-0.0056 ppm	0.0017 ppm	0.0002 ppm	-0.0031 ppm	0.0141 ppm
Recovery Percentage 1	-3.289 %	0.757 %	-94.684 %	5.275 %	2.037 %	-63.458 %	8.618 %
Concentration RSD	47.0 %	534.3 %	19.2 %	10.7 %	11.6 %	3.7 %	74.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0003 ppm	-0.0070 ppm	21.2211 ppm	-0.0005 ppm	0.0095 ppm	-0.0883 ppm	-0.0269 ppm
Concentration per Run 1	-0.0003 ppm	-0.0069 ppm	20.8260 ppm	-0.0005 ppm	0.0099 ppm	-0.0891 ppm	-0.0291 ppm
Concentration per Run 2	-0.0002 ppm	-0.0071 ppm	21.3845 ppm	-0.0008 ppm	0.0097 ppm	-0.0876 ppm	-0.0266 ppm
Concentration per Run 3	-0.0003 ppm	-0.0070 ppm	21.4529 ppm	-0.0001 ppm	0.0088 ppm	-0.0880 ppm	-0.0249 ppm
Recovery Percentage 1	-7.403 %	-35.029 %	212,211.325 %	-4.743 %	18.940 %	-3.530 %	-26.853 %
Concentration RSD	17.1 %	1.5 %	1.6 %	72.0 %	6.1 %	0.9 %	7.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	20.9641 [SIC 20]	-0.0033 ppm	-0.0796 ppm	-0.0003 ppm	0.0006 ppm	0.0037 ppm	-0.0031 ppm
Concentration per Run 1	20.0881 ppm	-0.0034 ppm	-0.0890 ppm	-0.0006 ppm	0.0013 ppm	0.0059 ppm	-0.0028 ppm
Concentration per Run 2	21.2899 ppm	-0.0032 ppm	-0.0730 ppm	-0.0002 ppm	0.0004 ppm	0.0024 ppm	-0.0030 ppm
Concentration per Run 3	21.5143 ppm	-0.0033 ppm	-0.0770 ppm	0.0000 ppm	0.0001 ppm	0.0028 ppm	-0.0035 ppm
Recovery Percentage 1	209,641.331 %	-6.547 %	-3.982 %	-1.099 %	5.983 %	7.381 %	-30.794 %
Concentration RSD	3.7 %	3.5 %	10.5 %	102.5 %	106.3 %	52.1 %	10.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0543 ppm	-0.0010 ppm	0.0001 ppm	20.4096 ppm	-0.0126 ppm	10.3715 [SIC 10]	0.0014 ppm
Concentration per Run 1	0.0545 ppm	-0.0012 ppm	0.0000 ppm	20.2533 ppm	-0.0125 ppm	10.3550 ppm	0.0007 ppm
Concentration per Run 2	0.0546 ppm	-0.0007 ppm	0.0001 ppm	20.4184 ppm	-0.0132 ppm	10.4122 ppm	0.0018 ppm
Concentration per Run 3	0.0538 ppm	-0.0010 ppm	0.0002 ppm	20.5572 ppm	-0.0122 ppm	10.3472 ppm	0.0017 ppm
Recovery Percentage 1	10.862 %	-1.970 %	0.940 %	204,096.395 %	-63.239 %	103,714.808 %	27.974 %
Concentration RSD	0.8 %	25.2 %	70.7 %	0.7 %	3.7 %	0.3 %	43.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.3914 %	94.5449 %	98.6560 %	102.9511 %	91.5946 %	96.1786 %	-0.0039 ppm
Concentration per Run 1	101.4069 %	95.4846 %	98.5853 %	106.9731 %	91.4193 %	96.9300 %	-0.0044 ppm
Concentration per Run 2	98.4117 %	94.0569 %	98.6480 %	101.5639 %	91.4200 %	95.8510 %	-0.0034 ppm
Concentration per Run 3	98.3555 %	94.0931 %	98.7346 %	100.3162 %	91.9446 %	95.7548 %	-0.0038 ppm
Recovery Percentage 1							-38.629 %
Concentration RSD	1.8 %	0.9 %	0.1 %	3.4 %	0.3 %	0.7 %	12.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: LLOQ 0.1 Ca
Analysis started at: 3/10/2025 2:56:23 PM
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.1154 ppm	0.0005 ppm	0.0416 ppm	0.0000 ppm	0.0000 ppm	0.1193 ppm
Concentration per Run 1	0.0001 ppm	0.1157 ppm	0.0002 ppm	0.0415 ppm	0.0001 ppm	0.0000 ppm	0.1220 ppm
Concentration per Run 2	-0.0001 ppm	0.1137 ppm	0.0005 ppm	0.0410 ppm	0.0000 ppm	-0.0001 ppm	0.1216 ppm
Concentration per Run 3	-0.0001 ppm	0.1169 ppm	0.0007 ppm	0.0422 ppm	0.0000 ppm	0.0000 ppm	0.1142 ppm
Recovery Percentage 1	0.000 %	115.436 %	0.000 %	0.000 %	0.000 %	0.000 %	119.306 %
Concentration RSD	198.5 %	1.4 %	59.2 %	1.3 %	212.0 %	323.0 %	3.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0022 ppm	-0.1321 ppm	0.1084 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0018 ppm	-0.1179 ppm	0.1059 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0022 ppm	-0.1137 ppm	0.1107 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0025 ppm	-0.1647 ppm	0.1086 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	108.396 %
Concentration RSD	9,764.9 %	701.8 %	26.7 %	37.9 %	14.6 %	21.4 %	2.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	-0.0002 ppm	-0.1239 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	0.0005 ppm	-0.0001 ppm	-0.1163 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.1229 ppm	0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 3	0.0002 ppm	-0.0003 ppm	-0.1324 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0010 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	93.4 %	28.4 %	6.6 %	43.0 %	48.2 %	931.3 %	84.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0433 ppm	0.0004 ppm	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 1	0.0391 ppm	0.0007 ppm	-0.0002 ppm	0.0008 ppm	-0.0004 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 2	0.0378 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 3	0.0529 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	0.0015 ppm	0.0001 ppm	-0.0010 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	19.4 %	50.9 %	31.0 %	44.2 %	170.3 %	46.5 %	4.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.0977 %	98.1730 %	102.4831 %	99.5886 %	100.1087 %	96.7752 %	-0.0010 ppm
Concentration per Run 1	101.9104 %	98.5152 %	100.8137 %	100.0894 %	96.6205 %	96.5265 %	-0.0012 ppm
Concentration per Run 2	99.0867 %	98.5350 %	101.8017 %	99.0074 %	98.6086 %	97.1136 %	-0.0007 ppm
Concentration per Run 3	99.2959 %	97.4689 %	104.8339 %	99.6690 %	105.0970 %	96.6854 %	-0.0012 ppm
Recovery Percentage 1							0.000 %
Concentration RSD	1.6 %	0.6 %	2.0 %	0.5 %	4.4 %	0.3 %	25.6 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: IEC 500 Al Pb+
Analysis started at: 3/10/2025 3:08:45 PM
Rack: 1
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	502.6759 [SIC 500]	-0.0069 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	-0.0221 ppm
Concentration per Run 1	-0.0003 ppm	500.5206 ppm	-0.0070 ppm	0.0029 ppm	0.0000 ppm	0.0000 ppm	-0.0167 ppm
Concentration per Run 2	-0.0002 ppm	498.0238 ppm	-0.0048 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	-0.0266 ppm
Concentration per Run 3	-0.0003 ppm	509.4833 ppm	-0.0088 ppm	0.0027 ppm	0.0003 ppm	0.0000 ppm	-0.0230 ppm
Recovery Percentage 1	-3.430 %	502,675.897 %	-137.250 %	9.504 %	1.016 %	-0.124 %	-22.099 %
Concentration RSD	23.1 %	1.2 %	29.6 %	4.4 %	144.0 %	517.2 %	22.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0029 ppm	-0.0001 ppm	0.0004 ppm	0.0005 ppm	-0.0544 ppm	-0.1215 ppm	0.0009 ppm
Concentration per Run 1	-0.0029 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm	-0.0541 ppm	-0.1177 ppm	0.0024 ppm
Concentration per Run 2	-0.0030 ppm	-0.0002 ppm	0.0006 ppm	0.0005 ppm	-0.0540 ppm	-0.1291 ppm	-0.0007 ppm
Concentration per Run 3	-0.0029 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	-0.0551 ppm	-0.1178 ppm	0.0008 ppm
Recovery Percentage 1	-72.631 %	-0.432 %	4.191 %	5.408 %	-108.821 %	-4.861 %	0.861 %
Concentration RSD	1.7 %	157.5 %	68.2 %	12.9 %	1.1 %	5.4 %	176.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0008 ppm	-0.0003 ppm	-0.1089 ppm	0.0018 ppm	0.0000 ppm	-0.0078 ppm	-0.0039 ppm
Concentration per Run 1	0.0008 ppm	-0.0002 ppm	-0.1097 ppm	0.0017 ppm	0.0001 ppm	-0.0076 ppm	-0.0041 ppm
Concentration per Run 2	0.0007 ppm	-0.0002 ppm	-0.1154 ppm	0.0020 ppm	-0.0009 ppm	-0.0082 ppm	-0.0032 ppm
Concentration per Run 3	0.0009 ppm	-0.0004 ppm	-0.1016 ppm	0.0018 ppm	0.0007 ppm	-0.0077 ppm	-0.0046 ppm
Recovery Percentage 1	8.269 %	-0.541 %	-5.446 %	7.196 %	0.049 %	-15.681 %	-39.392 %
Concentration RSD	13.5 %	48.0 %	6.3 %	8.5 %	16,397.9 %	4.4 %	17.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0149 ppm	0.0005 ppm	-0.0001 ppm	0.0001 ppm	-0.0056 ppm	0.0000 ppm	-0.0014 ppm
Concentration per Run 1	-0.0149 ppm	0.0011 ppm	0.0000 ppm	0.0003 ppm	-0.0065 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 2	-0.0148 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	-0.0059 ppm	-0.0001 ppm	-0.0014 ppm
Concentration per Run 3	-0.0148 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0043 ppm	-0.0001 ppm	-0.0015 ppm
Recovery Percentage 1	-2.971 %	0.993 %	-0.573 %	0.639 %	-27.830 %	-0.483 %	-28.642 %
Concentration RSD	0.4 %	120.6 %	47.5 %	319.2 %	20.2 %	325.9 %	5.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.7911 %	88.3143 %	96.0911 %	102.6576 %	83.7006 %	91.2143 %	-0.0047 ppm
Concentration per Run 1	103.1422 %	86.8551 %	96.0504 %	103.4771 %	83.5580 %	89.7272 %	-0.0055 ppm
Concentration per Run 2	101.9822 %	89.3685 %	96.0421 %	103.1963 %	84.1145 %	92.0579 %	-0.0045 ppm
Concentration per Run 3	100.2490 %	88.7192 %	96.1806 %	101.2995 %	83.4293 %	91.8579 %	-0.0040 ppm
Recovery Percentage 1							-46.869 %
Concentration RSD	1.4 %	1.5 %	0.1 %	1.2 %	0.4 %	1.4 %	16.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: IEC 200 Fe Cu+ Cd-
Analysis started at: 3/10/2025 3:15:23 PM
Rack: 1
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0017 ppm	0.0024 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run 1	0.0001 ppm	0.0014 ppm	0.0029 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run 2	0.0003 ppm	-0.0094 ppm	0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0041 ppm
Concentration per Run 3	0.0000 ppm	0.0031 ppm	0.0025 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0024 ppm
Recovery Percentage 1	1.703 %	-1.660 %	48.238 %	0.139 %	2.168 %	0.009 %	-2.423 %
Concentration RSD	125.0 %	409.3 %	24.7 %	432.6 %	53.3 %	6,800.0 %	69.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	196.8312 ppm	-0.1173 ppm	0.0110 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0005 ppm	-0.0002 ppm	191.3695 ppm	-0.0923 ppm	0.0123 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	200.2671 ppm	-0.1212 ppm	0.0114 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	-0.0005 ppm	-0.0003 ppm	198.8570 ppm	-0.1385 ppm	0.0094 ppm
Recovery Percentage 1	-0.019 %	0.938 %	-4.830 %	-2.095 %	393,662.369 %	-4.693 %	11.026 %
Concentration RSD	3,956.5 %	52.7 %	4.0 %	43.2 %	2.4 %	19.9 %	13.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	-0.0019 ppm	-0.1244 ppm	-0.0113 ppm	0.0004 ppm	-0.0039 ppm	0.0056 ppm
Concentration per Run 1	0.0001 ppm	-0.0020 ppm	-0.1266 ppm	-0.0108 ppm	0.0010 ppm	-0.0049 ppm	0.0057 ppm
Concentration per Run 2	0.0000 ppm	-0.0018 ppm	-0.1286 ppm	-0.0119 ppm	0.0000 ppm	-0.0039 ppm	0.0048 ppm
Concentration per Run 3	0.0005 ppm	-0.0019 ppm	-0.1179 ppm	-0.0113 ppm	0.0002 ppm	-0.0030 ppm	0.0062 ppm
Recovery Percentage 1	2.175 %	-3.806 %	-6.219 %	-45.302 %	3.968 %	-7.827 %	55.690 %
Concentration RSD	113.6 %	5.0 %	4.5 %	4.9 %	134.6 %	24.1 %	12.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0009 ppm	0.0013 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 2	0.0011 ppm	0.0011 ppm	0.0002 ppm	-0.0002 ppm	-0.0012 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0008 ppm	0.0016 ppm	0.0001 ppm	-0.0001 ppm	-0.0024 ppm	0.0005 ppm	0.0003 ppm
Recovery Percentage 1	0.175 %	2.587 %	1.483 %	-0.737 %	-5.576 %	7.124 %	3.615 %
Concentration RSD	25.6 %	20.1 %	18.2 %	145.3 %	124.6 %	37.4 %	86.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.5018 %	96.3020 %	96.6096 %	103.2739 %	93.5457 %	99.4288 %	-0.0009 ppm
Concentration per Run 1	99.2611 %	95.9629 %	97.0839 %	106.3523 %	94.6393 %	99.1590 %	-0.0009 ppm
Concentration per Run 2	97.8155 %	96.4507 %	96.2891 %	102.1117 %	92.2462 %	99.5816 %	-0.0016 ppm
Concentration per Run 3	98.4289 %	96.4923 %	96.4559 %	101.3577 %	93.7517 %	99.5458 %	-0.0003 ppm
Recovery Percentage 1							-9.208 %
Concentration RSD	0.7 %	0.3 %	0.4 %	2.6 %	1.3 %	0.2 %	67.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: xIEC 10 V Sb+ N/A
Analysis started at: 3/10/2025 3:22:07 PM
Rack: 1
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0026 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0024 ppm
Concentration per Run 1	0.0004 ppm	-0.0083 ppm	0.0012 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	-0.0068 ppm
Concentration per Run 2	0.0003 ppm	-0.0013 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0012 ppm
Concentration per Run 3	0.0004 ppm	0.0018 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0010 ppm
Recovery Percentage 1	5.267 %	-2.593 %	10.390 %	0.672 %	0.458 %	10.553 %	-2.350 %
Concentration RSD	8.7 %	198.7 %	126.5 %	81.3 %	69.3 %	3.5 %	170.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0001 ppm	0.0123 ppm	-0.1219 ppm	0.0021 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0011 ppm	0.0001 ppm	0.0139 ppm	-0.1233 ppm	0.0035 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0001 ppm	0.0125 ppm	-0.1319 ppm	0.0018 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0002 ppm	0.0104 ppm	-0.1106 ppm	0.0010 ppm
Recovery Percentage 1	-1.460 %	0.073 %	14.015 %	1.291 %	24.533 %	-4.877 %	2.110 %
Concentration RSD	53.7 %	270.0 %	19.2 %	38.2 %	14.2 %	8.8 %	61.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0010 ppm	-0.0030 ppm	-0.1394 ppm	0.0001 ppm	-0.0008 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 1	-0.0010 ppm	-0.0030 ppm	-0.1379 ppm	0.0001 ppm	-0.0006 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run 2	-0.0008 ppm	-0.0031 ppm	-0.1450 ppm	0.0001 ppm	-0.0009 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 3	-0.0011 ppm	-0.0029 ppm	-0.1354 ppm	0.0000 ppm	-0.0010 ppm	0.0009 ppm	0.0021 ppm
Recovery Percentage 1	-9.640 %	-5.992 %	-6.972 %	0.234 %	-8.305 %	0.738 %	7.111 %
Concentration RSD	12.1 %	4.2 %	3.6 %	133.7 %	27.1 %	165.2 %	180.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0029 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	**9.3493 ppm**	-0.0015 ppm
Concentration per Run 1	0.0025 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	9.2984 ppm	-0.0016 ppm
Concentration per Run 2	0.0031 ppm	0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm	9.4415 ppm	-0.0014 ppm
Concentration per Run 3	0.0030 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0010 ppm	9.3080 ppm	-0.0016 ppm
Recovery Percentage 1	0.574 %	0.801 %	-0.138 %	3.297 %	2.202 %	93,492.829 %	-30.504 %
Concentration RSD	11.8 %	30.1 %	185.8 %	37.9 %	116.4 %	**0.9 %**	8.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.3624 %	97.8973 %	99.8827 %	100.9164 %	100.1146 %	99.5272 %	-0.0010 ppm
Concentration per Run 1	100.9578 %	97.6824 %	100.0634 %	102.7420 %	100.4162 %	99.3082 %	-0.0012 ppm
Concentration per Run 2	98.4356 %	98.0625 %	99.5434 %	100.1910 %	99.2661 %	99.7075 %	-0.0012 ppm
Concentration per Run 3	98.6939 %	97.9470 %	100.0413 %	99.8162 %	100.6615 %	99.5660 %	-0.0006 ppm
Recovery Percentage 1							-9.756 %
Concentration RSD	1.4 %	0.2 %	0.3 %	1.6 %	0.7 %	0.2 %	32.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: IEC 20 Cr Sb+
Analysis started at: 3/10/2025 3:39:50 PM
Rack: 1
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	-0.0029 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 1	0.0003 ppm	0.0020 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 2	0.0003 ppm	-0.0046 ppm	-0.0007 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 3	0.0002 ppm	-0.0060 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0020 ppm
Recovery Percentage 1	3.732 %	-2.885 %	-2.462 %	-0.158 %	1.410 %	-0.113 %	3.547 %
Concentration RSD	23.4 %	147.6 %	380.2 %	313.8 %	87.6 %	59.4 %	48.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0002 ppm	-0.0028 ppm	20.1489 ppm	0.0004 ppm	0.0277 ppm	-0.1262 ppm	-0.0001 ppm
Concentration per Run 1	-0.0002 ppm	-0.0028 ppm	19.9402 ppm	0.0002 ppm	0.0281 ppm	-0.1346 ppm	0.0010 ppm
Concentration per Run 2	-0.0002 ppm	-0.0028 ppm	20.2906 ppm	0.0004 ppm	0.0283 ppm	-0.1203 ppm	-0.0022 ppm
Concentration per Run 3	-0.0002 ppm	-0.0028 ppm	20.2160 ppm	0.0006 ppm	0.0265 ppm	-0.1237 ppm	0.0010 ppm
Recovery Percentage 1	-4.655 %	-14.107 %	201,489.102 %	3.811 %	55.308 %	-5.049 %	-0.051 %
Concentration RSD	9.5 %	0.9 %	0.9 %	48.7 %	3.5 %	5.9 %	3,627.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0001 ppm	-0.1305 ppm	0.0001 ppm	0.0036 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run 1	-0.0002 ppm	0.0002 ppm	-0.1332 ppm	0.0002 ppm	0.0033 ppm	0.0034 ppm	-0.0003 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	-0.1227 ppm	-0.0001 ppm	0.0032 ppm	-0.0020 ppm	-0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.0000 ppm	-0.1356 ppm	0.0003 ppm	0.0041 ppm	-0.0016 ppm	0.0000 ppm
Recovery Percentage 1	2.289 %	0.211 %	-6.525 %	0.498 %	35.510 %	-0.102 %	-2.654 %
Concentration RSD	147.4 %	89.2 %	5.3 %	164.5 %	13.9 %	5,938.9 %	107.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0055 ppm	-0.0009 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm	0.0009 ppm	0.0041 ppm
Concentration per Run 1	0.0058 ppm	-0.0011 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0036 ppm
Concentration per Run 2	0.0048 ppm	-0.0007 ppm	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0011 ppm	0.0043 ppm
Concentration per Run 3	0.0059 ppm	-0.0008 ppm	0.0001 ppm	0.0006 ppm	0.0006 ppm	0.0011 ppm	0.0045 ppm
Recovery Percentage 1	1.101 %	-1.762 %	1.041 %	5.584 %	1.655 %	8.623 %	82.463 %
Concentration RSD	11.1 %	23.8 %	8.3 %	22.1 %	96.4 %	49.9 %	12.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.5669 %	97.6858 %	100.3462 %	101.5678 %	100.2361 %	100.3108 %	-0.0015 ppm
Concentration per Run 1	101.3901 %	97.7896 %	100.1194 %	103.3272 %	100.2043 %	100.4548 %	-0.0011 ppm
Concentration per Run 2	99.2653 %	97.5076 %	100.5244 %	101.6924 %	100.6166 %	100.2589 %	-0.0019 ppm
Concentration per Run 3	98.0454 %	97.7603 %	100.3947 %	99.6838 %	99.8873 %	100.2188 %	-0.0015 ppm
Recovery Percentage 1							-15.162 %
Concentration RSD	1.7 %	0.2 %	0.2 %	1.8 %	0.4 %	0.1 %	27.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: IEC 20 Ti Cu-
Analysis started at: 3/10/2025 3:53:19 PM
Rack: 1
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0013 ppm	-0.0005 ppm	-0.0015 ppm	0.0018 ppm	0.0000 ppm	-0.0034 ppm	0.0017 ppm
Concentration per Run 1	-0.0014 ppm	-0.0002 ppm	-0.0032 ppm	0.0020 ppm	0.0000 ppm	-0.0033 ppm	0.0076 ppm
Concentration per Run 2	-0.0016 ppm	-0.0020 ppm	-0.0010 ppm	0.0016 ppm	0.0001 ppm	-0.0035 ppm	-0.0056 ppm
Concentration per Run 3	-0.0010 ppm	0.0007 ppm	-0.0003 ppm	0.0019 ppm	0.0000 ppm	-0.0033 ppm	0.0030 ppm
Recovery Percentage 1	-19.201 %	-0.538 %	-30.064 %	6.045 %	0.234 %	-67.420 %	1.658 %
Concentration RSD	21.0 %	255.4 %	98.8 %	10.8 %	179.0 %	2.7 %	403.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0011 ppm	-0.0002 ppm	0.0030 ppm	-0.1286 ppm	-0.0289 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0011 ppm	-0.0004 ppm	0.0016 ppm	-0.1322 ppm	-0.0263 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0011 ppm	-0.0002 ppm	0.0040 ppm	-0.1318 ppm	-0.0306 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	-0.0012 ppm	-0.0001 ppm	0.0033 ppm	-0.1218 ppm	-0.0298 ppm
Recovery Percentage 1	0.651 %	0.038 %	-11.252 %	-2.343 %	5.956 %	-5.143 %	-28.912 %
Concentration RSD	106.8 %	4,473.6 %	8.3 %	61.0 %	42.1 %	4.6 %	8.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0002 ppm	-0.0003 ppm	-0.1417 ppm	0.0000 ppm	-0.0003 ppm	0.0045 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	-0.1489 ppm	-0.0001 ppm	-0.0006 ppm	0.0047 ppm	0.0032 ppm
Concentration per Run 2	-0.0005 ppm	-0.0005 ppm	-0.1407 ppm	0.0002 ppm	-0.0001 ppm	0.0045 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	-0.1354 ppm	-0.0001 ppm	-0.0003 ppm	0.0044 ppm	0.0003 ppm
Recovery Percentage 1	-1.614 %	-0.694 %	-7.083 %	0.015 %	-3.444 %	9.049 %	12.222 %
Concentration RSD	169.4 %	35.5 %	4.8 %	4,629.9 %	76.4 %	2.7 %	143.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0029 ppm	-0.0002 ppm	0.0001 ppm	**19.8254 ppm**	-0.0050 ppm	0.0029 ppm	-0.0033 ppm
Concentration per Run 1	-0.0031 ppm	-0.0002 ppm	0.0002 ppm	19.7601 ppm	-0.0054 ppm	0.0030 ppm	-0.0033 ppm
Concentration per Run 2	-0.0027 ppm	-0.0001 ppm	0.0001 ppm	19.7274 ppm	-0.0044 ppm	0.0029 ppm	-0.0034 ppm
Concentration per Run 3	-0.0028 ppm	-0.0003 ppm	0.0001 ppm	19.9887 ppm	-0.0052 ppm	0.0029 ppm	-0.0032 ppm
Recovery Percentage 1	-0.578 %	-0.353 %	1.273 %	198,253.960 %	-24.880 %	29.134 %	-66.415 %
Concentration RSD	7.9 %	51.8 %	67.4 %	**0.7 %**	10.1 %	2.1 %	3.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.7949 %	96.3204 %	98.1684 %	105.1721 %	96.1769 %	100.0700 %	-0.0038 ppm
Concentration per Run 1	101.3781 %	96.1811 %	97.6186 %	109.1442 %	95.2803 %	100.1623 %	-0.0032 ppm
Concentration per Run 2	99.6933 %	96.7592 %	97.9225 %	104.5808 %	95.9410 %	100.3982 %	-0.0035 ppm
Concentration per Run 3	98.3131 %	96.0210 %	98.9642 %	101.7913 %	97.3094 %	99.6495 %	-0.0049 ppm
Recovery Percentage 1							-38.464 %
Concentration RSD	1.5 %	0.4 %	0.7 %	3.5 %	1.1 %	0.4 %	23.3 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: LDR Check
Analysis started at: 3/10/2025 4:19:50 PM
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0022 ppm	0.1359 ppm	21.8299 ppm	20.3021 [SIC 20]	20.4332 [SIC 20]	5.5380 ppm	0.0651 ppm
Concentration per Run 1	0.0022 ppm	0.1283 ppm	21.9358 ppm	20.3490 ppm	20.4730 ppm	5.4594 ppm	0.0674 ppm
Concentration per Run 2	0.0025 ppm	0.1358 ppm	21.8767 ppm	20.3696 ppm	20.4083 ppm	5.5801 ppm	0.0646 ppm
Concentration per Run 3	0.0020 ppm	0.1435 ppm	21.6771 ppm	20.1877 ppm	20.4184 ppm	5.5746 ppm	0.0634 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.149 %	101.510 %	102.166 %	110.761 %	0.000 %
Concentration RSD	12.7 %	5.6 %	0.6 %	0.5 %	0.2 %	1.2 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	5.2385 ppm	5.0276 ppm	0.0017 ppm	20.3220 [SIC 20]	0.0215 ppm	551.7419 ppm	-0.0110 ppm
Concentration per Run 1	5.2729 ppm	5.0536 ppm	0.0016 ppm	20.6561 ppm	0.0209 ppm	551.2912 ppm	-0.0109 ppm
Concentration per Run 2	5.2237 ppm	5.0290 ppm	0.0016 ppm	20.7895 ppm	0.0207 ppm	549.1112 ppm	-0.0125 ppm
Concentration per Run 3	5.2190 ppm	5.0002 ppm	0.0018 ppm	19.5205 ppm	0.0229 ppm	554.8232 ppm	-0.0096 ppm
Recovery Percentage 1	104.770 %	100.552 %	0.000 %	101.610 %	0.000 %	110.348 %	0.000 %
Concentration RSD	0.6 %	0.5 %	6.5 %	3.4 %	5.8 %	0.5 %	12.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0039 ppm	5.3610 [SIC 20]	539.0811 [SIC 500]	10.0616 [SIC 20]	49.9340 ppm	5.2470 ppm	5.0428 [SIC 20]
Concentration per Run 1	0.0035 ppm	5.3935 ppm	533.9268 ppm	10.1181 ppm	50.2432 ppm	5.2663 ppm	5.0626 ppm
Concentration per Run 2	0.0040 ppm	5.3657 ppm	543.9676 ppm	10.0636 ppm	49.9573 ppm	5.2687 ppm	5.0570 ppm
Concentration per Run 3	0.0042 ppm	5.3238 ppm	539.3489 ppm	10.0032 ppm	49.6015 ppm	5.2059 ppm	5.0090 ppm
Recovery Percentage 1	0.000 %	107.220 %	107.816 %	100.616 %	99.868 %	104.939 %	100.857 %
Concentration RSD	9.4 %	0.7 %	0.9 %	0.6 %	0.6 %	0.7 %	0.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	22.7360 [SIC 200]	9.7791 ppm	5.2780 ppm	-0.0014 ppm	4.4748 ppm	0.0195 ppm	21.3269 [SIC 20]
Concentration per Run 1	22.8618 ppm	9.8416 ppm	5.3331 ppm	-0.0015 ppm	4.4951 ppm	0.0196 ppm	21.4628 ppm
Concentration per Run 2	22.8426 ppm	9.7779 ppm	5.3219 ppm	-0.0015 ppm	4.4842 ppm	0.0195 ppm	21.2301 ppm
Concentration per Run 3	22.5035 ppm	9.7179 ppm	5.1791 ppm	-0.0011 ppm	4.4452 ppm	0.0195 ppm	21.2879 ppm
Recovery Percentage 1	113.680 %	97.791 %	105.560 %	0.000 %	89.497 %	0.000 %	106.635 %
Concentration RSD	0.9 %	0.6 %	1.6 %	17.9 %	0.6 %	0.4 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	91.3195 %	87.4121 %	85.9265 %	95.1641 %	81.6732 %	90.0819 %	21.4456 ppm
Concentration per Run 1	91.5488 %	85.4503 %	85.5921 %	96.9120 %	81.2522 %	88.2612 %	20.9858 ppm
Concentration per Run 2	91.3989 %	86.0497 %	85.6500 %	94.8173 %	81.3198 %	88.7061 %	21.7148 ppm
Concentration per Run 3	91.0109 %	90.7362 %	86.5374 %	93.7629 %	82.4477 %	93.2785 %	21.6362 ppm
Recovery Percentage 1							107.228 %
Concentration RSD	0.3 %	3.3 %	0.6 %	1.7 %	0.8 %	3.1 %	1.9 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/10/2025 4:53:59 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5044 ppm	0.4904 ppm	0.4662 ppm	0.4910 ppm	0.4891 ppm	0.4910 ppm	0.4880 ppm
Concentration per Run 1	0.5056 ppm	0.4601 ppm	0.4630 ppm	0.4874 ppm	0.4853 ppm	0.4623 ppm	0.4586 ppm
Concentration per Run 2	0.5040 ppm	0.4997 ppm	0.4734 ppm	0.5001 ppm	0.4901 ppm	0.4968 ppm	0.4920 ppm
Concentration per Run 3	0.5037 ppm	0.5114 ppm	0.4623 ppm	0.4854 ppm	0.4920 ppm	0.5140 ppm	0.5135 ppm
Recovery Percentage 1	100.887 %	98.082 %	93.246 %	98.200 %	97.824 %	98.203 %	97.606 %
Concentration RSD	0.2 %	5.5 %	1.3 %	1.6 %	0.7 %	5.4 %	5.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4719 ppm	0.4805 ppm	0.4998 ppm	0.4820 ppm	0.4977 ppm	5.2615 ppm	0.5085 ppm
Concentration per Run 1	0.4718 ppm	0.4796 ppm	0.5025 ppm	0.4820 ppm	0.4657 ppm	5.2046 ppm	0.5103 ppm
Concentration per Run 2	0.4761 ppm	0.4848 ppm	0.4995 ppm	0.4819 ppm	0.5074 ppm	5.2735 ppm	0.5103 ppm
Concentration per Run 3	0.4679 ppm	0.4773 ppm	0.4974 ppm	0.4821 ppm	0.5200 ppm	5.3063 ppm	0.5048 ppm
Recovery Percentage 1	94.389 %	96.109 %	99.956 %	96.402 %	99.545 %	105.229 %	101.690 %
Concentration RSD	0.9 %	0.8 %	0.5 %	0.0 %	5.7 %	1.0 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.4807 ppm	0.4652 ppm	9.5785 ppm	0.4804 ppm	0.4797 ppm	0.4862 ppm	0.4745 ppm
Concentration per Run 1	0.4521 ppm	0.4644 ppm	9.0445 ppm	0.4794 ppm	0.4788 ppm	0.4835 ppm	0.4738 ppm
Concentration per Run 2	0.4871 ppm	0.4683 ppm	9.7010 ppm	0.4845 ppm	0.4845 ppm	0.4927 ppm	0.4803 ppm
Concentration per Run 3	0.5030 ppm	0.4630 ppm	9.9901 ppm	0.4773 ppm	0.4760 ppm	0.4824 ppm	0.4693 ppm
Recovery Percentage 1	96.144 %	93.050 %	95.785 %	96.083 %	95.949 %	97.235 %	94.895 %
Concentration RSD	5.4 %	0.6 %	5.1 %	0.8 %	0.9 %	1.2 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2232 ppm	0.4825 ppm	0.4771 ppm	0.5039 ppm	0.4818 ppm	0.4641 ppm	0.4798 ppm
Concentration per Run 1	5.2087 ppm	0.4818 ppm	0.4507 ppm	0.5064 ppm	0.4789 ppm	0.4633 ppm	0.4796 ppm
Concentration per Run 2	5.2721 ppm	0.4860 ppm	0.4834 ppm	0.5034 ppm	0.4856 ppm	0.4677 ppm	0.4839 ppm
Concentration per Run 3	5.1888 ppm	0.4795 ppm	0.4972 ppm	0.5020 ppm	0.4808 ppm	0.4614 ppm	0.4760 ppm
Recovery Percentage 1	99.490 %	96.491 %	95.416 %	100.789 %	96.357 %	92.827 %	95.963 %
Concentration RSD	0.8 %	0.7 %	5.0 %	0.4 %	0.7 %	0.7 %	0.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.2019 %	99.2318 %	100.1874 %	107.9872 %	99.3298 %	99.1387 %	0.4818 ppm
Concentration per Run 1	100.6763 %	98.9043 %	100.8308 %	114.8821 %	99.6025 %	98.9683 %	0.4560 ppm
Concentration per Run 2	99.0844 %	98.9239 %	98.6282 %	106.5413 %	98.4843 %	98.8317 %	0.4874 ppm
Concentration per Run 3	97.8451 %	99.8674 %	101.1033 %	102.5383 %	99.9024 %	99.6160 %	0.5020 ppm
Recovery Percentage 1							96.360 %
Concentration RSD	1.4 %	0.6 %	1.4 %	5.8 %	0.8 %	0.4 %	4.9 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/10/2025 5:00:16 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0081 ppm	-0.0002 ppm	0.0031 ppm	-0.0001 ppm	0.0000 ppm	-0.0031 ppm
Concentration per Run 1	-0.0003 ppm	-0.0092 ppm	-0.0015 ppm	0.0031 ppm	0.0000 ppm	0.0000 ppm	-0.0036 ppm
Concentration per Run 2	-0.0001 ppm	-0.0068 ppm	0.0002 ppm	0.0030 ppm	0.0000 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run 3	0.0001 ppm	-0.0083 ppm	0.0006 ppm	0.0032 ppm	-0.0001 ppm	0.0000 ppm	-0.0032 ppm
Recovery Percentage 1	-1.348 %	-8.078 %	-4.637 %	10.350 %	-0.537 %	0.080 %	-3.060 %
Concentration RSD	247.5 %	14.5 %	471.2 %	2.7 %	160.7 %	1,009.5 %	19.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0703 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0006 ppm	-0.0701 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0776 ppm	-0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0015 ppm	-0.0632 ppm	0.0001 ppm
Recovery Percentage 1	-0.253 %	0.150 %	-0.690 %	0.324 %	1.195 %	-2.812 %	-0.864 %
Concentration RSD	486.3 %	198.1 %	381.8 %	44.8 %	155.6 %	10.2 %	119.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0003 ppm	0.0007 ppm	-0.1240 ppm	0.0000 ppm	0.0001 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0007 ppm	-0.1290 ppm	-0.0001 ppm	0.0002 ppm	0.0013 ppm	0.0013 ppm
Concentration per Run 2	-0.0006 ppm	0.0008 ppm	-0.1180 ppm	-0.0001 ppm	0.0007 ppm	0.0016 ppm	0.0008 ppm
Concentration per Run 3	-0.0003 ppm	0.0006 ppm	-0.1249 ppm	0.0001 ppm	-0.0005 ppm	0.0014 ppm	-0.0009 ppm
Recovery Percentage 1	-3.316 %	1.424 %	-6.199 %	-0.108 %	1.370 %	2.840 %	3.871 %
Concentration RSD	69.9 %	12.1 %	4.5 %	510.5 %	430.5 %	10.7 %	299.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0004 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0003 ppm	-0.0004 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	-0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm	-0.0006 ppm
Recovery Percentage 1	0.084 %	0.775 %	-0.203 %	-0.963 %	-3.023 %	-0.247 %	-11.765 %
Concentration RSD	118.8 %	79.6 %	157.3 %	287.7 %	29.4 %	295.0 %	7.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.9540 %	100.8833 %	102.8880 %	99.9027 %	103.6057 %	99.5580 %	-0.0001 ppm
Concentration per Run 1	103.1590 %	99.8405 %	102.2569 %	102.0865 %	103.4480 %	98.7505 %	0.0005 ppm
Concentration per Run 2	99.7476 %	101.1923 %	103.1528 %	98.9320 %	103.7995 %	99.7851 %	-0.0006 ppm
Concentration per Run 3	99.9554 %	101.6172 %	103.2543 %	98.6895 %	103.5697 %	100.1384 %	-0.0002 ppm
Recovery Percentage 1							-0.822 %
Concentration RSD	1.9 %	0.9 %	0.5 %	1.9 %	0.2 %	0.7 %	668.4 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-01 WG2037059
Analysis started at: 3/10/2025 5:39:06 PM
Rack: 1
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	1.6026 ppm	0.0013 ppm	0.0541 ppm	0.0432 ppm	0.0001 ppm	27.5723 ppm
Concentration per Run 1	-0.0004 ppm	1.5508 ppm	0.0018 ppm	0.0538 ppm	0.0428 ppm	0.0001 ppm	26.6920 ppm
Concentration per Run 2	0.0000 ppm	1.6077 ppm	0.0009 ppm	0.0545 ppm	0.0434 ppm	0.0002 ppm	27.5675 ppm
Concentration per Run 3	-0.0002 ppm	1.6493 ppm	0.0013 ppm	0.0541 ppm	0.0432 ppm	0.0001 ppm	28.4574 ppm
Concentration RSD	90.5 %	3.1 %	34.3 %	0.7 %	0.7 %	26.1 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0012 ppm	0.0048 ppm	0.0050 ppm	3.2190 ppm	6.3393 ppm	16.4249 ppm
Concentration per Run 1	0.0000 ppm	0.0011 ppm	0.0049 ppm	0.0048 ppm	3.0951 ppm	6.2520 ppm	16.3630 ppm
Concentration per Run 2	0.0000 ppm	0.0013 ppm	0.0048 ppm	0.0052 ppm	3.2271 ppm	6.3586 ppm	16.5179 ppm
Concentration per Run 3	0.0000 ppm	0.0012 ppm	0.0046 ppm	0.0050 ppm	3.3347 ppm	6.4073 ppm	16.3937 ppm
Concentration RSD	145.0 %	9.0 %	2.9 %	3.7 %	3.7 %	1.3 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1819 ppm	0.0006 ppm	120.3468 ppm	0.0032 ppm	0.0029 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 1	0.1754 ppm	0.0008 ppm	117.9768 ppm	0.0033 ppm	0.0021 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run 2	0.1825 ppm	0.0005 ppm	118.2463 ppm	0.0030 ppm	0.0035 ppm	0.0009 ppm	-0.0003 ppm
Concentration per Run 3	0.1878 ppm	0.0005 ppm	124.8173 ppm	0.0033 ppm	0.0030 ppm	0.0004 ppm	0.0012 ppm
Concentration RSD	3.4 %	22.2 %	3.2 %	4.7 %	24.6 %	181.6 %	134.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1883 ppm	0.0003 ppm	0.1730 ppm	0.0713 ppm	-0.0005 ppm	0.0048 ppm	0.0244 ppm
Concentration per Run 1	5.1574 ppm	0.0006 ppm	0.1662 ppm	0.0707 ppm	-0.0004 ppm	0.0050 ppm	0.0243 ppm
Concentration per Run 2	5.2200 ppm	0.0000 ppm	0.1738 ppm	0.0718 ppm	-0.0011 ppm	0.0047 ppm	0.0247 ppm
Concentration per Run 3	5.1876 ppm	0.0003 ppm	0.1789 ppm	0.0713 ppm	0.0001 ppm	0.0047 ppm	0.0243 ppm
Concentration RSD	0.6 %	96.0 %	3.7 %	0.8 %	122.0 %	3.3 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.9251 %	98.4965 %	99.7958 %	106.7469 %	94.7896 %	97.3427 %	0.0054 ppm
Concentration per Run 1	100.6370 %	98.8319 %	100.0156 %	110.4257 %	95.2743 %	97.9486 %	0.0052 ppm
Concentration per Run 2	100.0131 %	97.8328 %	99.3697 %	106.7604 %	94.3306 %	96.6178 %	0.0051 ppm
Concentration per Run 3	99.1252 %	98.8249 %	100.0020 %	103.0545 %	94.7639 %	97.4617 %	0.0059 ppm
Concentration RSD	0.8 %	0.6 %	0.4 %	3.5 %	0.5 %	0.7 %	8.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2037059-7 WG2037059
Analysis started at: 3/10/2025 5:45:47 PM
Rack: 1
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0521 ppm	4.3095 ppm	0.1235 ppm	1.0005 ppm	2.0178 ppm	0.0549 ppm	40.0175 ppm
Concentration per Run 1	0.0525 ppm	4.2656 ppm	0.1226 ppm	1.0034 ppm	1.9897 ppm	0.0543 ppm	39.5109 ppm
Concentration per Run 2	0.0518 ppm	4.3323 ppm	0.1247 ppm	0.9934 ppm	2.0256 ppm	0.0553 ppm	40.4112 ppm
Concentration per Run 3	0.0519 ppm	4.3305 ppm	0.1232 ppm	1.0046 ppm	2.0380 ppm	0.0551 ppm	40.1305 ppm
Concentration RSD	0.7 %	0.9 %	0.9 %	0.6 %	1.2 %	1.0 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0531 ppm	0.5069 ppm	0.2101 ppm	0.2649 ppm	4.6786 ppm	17.2448 ppm	26.6489 ppm
Concentration per Run 1	0.0528 ppm	0.5037 ppm	0.2125 ppm	0.2665 ppm	4.5977 ppm	17.0183 ppm	26.9837 ppm
Concentration per Run 2	0.0536 ppm	0.5112 ppm	0.2086 ppm	0.2640 ppm	4.7143 ppm	17.3397 ppm	26.4274 ppm
Concentration per Run 3	0.0529 ppm	0.5059 ppm	0.2092 ppm	0.2640 ppm	4.7237 ppm	17.3763 ppm	26.5356 ppm
Concentration RSD	0.8 %	0.8 %	1.0 %	0.6 %	1.5 %	1.1 %	1.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.7312 ppm	0.9173 ppm	139.7784 ppm	0.5037 ppm	0.4965 ppm	0.4938 ppm	0.1196 ppm
Concentration per Run 1	0.7236 ppm	0.9040 ppm	136.4835 ppm	0.5000 ppm	0.4937 ppm	0.4923 ppm	0.1203 ppm
Concentration per Run 2	0.7353 ppm	0.9257 ppm	142.8196 ppm	0.5078 ppm	0.4997 ppm	0.4942 ppm	0.1187 ppm
Concentration per Run 3	0.7347 ppm	0.9222 ppm	140.0320 ppm	0.5033 ppm	0.4960 ppm	0.4949 ppm	0.1197 ppm
Concentration RSD	0.9 %	1.3 %	2.3 %	0.8 %	0.6 %	0.3 %	0.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.2638 ppm	0.8811 ppm	1.1989 ppm	1.0681 ppm	0.1111 ppm	0.5091 ppm	0.5463 ppm
Concentration per Run 1	7.2176 ppm	0.8752 ppm	1.1861 ppm	1.0773 ppm	0.1112 ppm	0.5069 ppm	0.5430 ppm
Concentration per Run 2	7.2969 ppm	0.8879 ppm	1.2033 ppm	1.0607 ppm	0.1110 ppm	0.5115 ppm	0.5523 ppm
Concentration per Run 3	7.2769 ppm	0.8802 ppm	1.2072 ppm	1.0664 ppm	0.1111 ppm	0.5088 ppm	0.5435 ppm
Concentration RSD	0.6 %	0.7 %	0.9 %	0.8 %	0.1 %	0.5 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.2263 %	97.7883 %	99.5864 %	99.5187 %	91.9079 %	96.1808 %	0.0064 ppm
Concentration per Run 1	102.6676 %	97.2394 %	99.3521 %	100.5885 %	92.4831 %	95.4731 %	0.0074 ppm
Concentration per Run 2	100.0614 %	98.0790 %	99.8751 %	98.4486 %	91.2449 %	96.6036 %	0.0066 ppm
Concentration per Run 3	100.9498 %	98.0466 %	99.5319 %	99.5190 %	91.9956 %	96.4657 %	0.0052 ppm
Concentration RSD	1.3 %	0.5 %	0.3 %	1.1 %	0.7 %	0.6 %	17.7 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2037059-8 WG2037059
Analysis started at: 3/10/2025 5:52:12 PM
Rack: 1
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	1.8581 ppm	0.0016 ppm	0.0562 ppm	0.0439 ppm	0.0001 ppm	31.0566 ppm
Concentration per Run 1	0.0001 ppm	1.8339 ppm	0.0015 ppm	0.0563 ppm	0.0429 ppm	0.0001 ppm	30.7031 ppm
Concentration per Run 2	-0.0003 ppm	1.8824 ppm	0.0015 ppm	0.0562 ppm	0.0449 ppm	0.0001 ppm	31.6114 ppm
Concentration per Run 3	0.0002 ppm	1.8581 ppm	0.0017 ppm	0.0562 ppm	0.0440 ppm	0.0001 ppm	30.8552 ppm
Concentration RSD	1,555.1 %	1.3 %	6.2 %	0.1 %	2.3 %	18.8 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0013 ppm	0.0050 ppm	0.0050 ppm	3.6853 ppm	6.4520 ppm	16.9146 ppm
Concentration per Run 1	0.0000 ppm	0.0011 ppm	0.0052 ppm	0.0050 ppm	3.6190 ppm	6.3182 ppm	16.9495 ppm
Concentration per Run 2	0.0000 ppm	0.0014 ppm	0.0051 ppm	0.0050 ppm	3.7583 ppm	6.5805 ppm	16.9098 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0049 ppm	0.0050 ppm	3.6785 ppm	6.4572 ppm	16.8844 ppm
Concentration RSD	106.1 %	12.0 %	3.2 %	0.4 %	1.9 %	2.0 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2055 ppm	0.0034 ppm	133.7425 ppm	0.0032 ppm	0.0031 ppm	0.0013 ppm	-0.0014 ppm
Concentration per Run 1	0.2034 ppm	0.0038 ppm	128.4886 ppm	0.0031 ppm	0.0035 ppm	0.0015 ppm	-0.0007 ppm
Concentration per Run 2	0.2093 ppm	0.0034 ppm	138.7991 ppm	0.0034 ppm	0.0028 ppm	0.0010 ppm	-0.0016 ppm
Concentration per Run 3	0.2037 ppm	0.0030 ppm	133.9399 ppm	0.0033 ppm	0.0031 ppm	0.0015 ppm	-0.0018 ppm
Concentration RSD	1.6 %	11.5 %	3.9 %	4.9 %	11.0 %	22.8 %	45.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.4196 ppm	0.0010 ppm	0.1965 ppm	0.0754 ppm	-0.0008 ppm	0.0051 ppm	0.0254 ppm
Concentration per Run 1	5.4413 ppm	0.0006 ppm	0.1944 ppm	0.0758 ppm	-0.0009 ppm	0.0049 ppm	0.0256 ppm
Concentration per Run 2	5.4232 ppm	0.0011 ppm	0.2000 ppm	0.0755 ppm	-0.0011 ppm	0.0050 ppm	0.0253 ppm
Concentration per Run 3	5.3943 ppm	0.0013 ppm	0.1951 ppm	0.0750 ppm	-0.0004 ppm	0.0053 ppm	0.0252 ppm
Concentration RSD	0.4 %	38.4 %	1.5 %	0.5 %	42.9 %	3.6 %	0.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.8952 %	99.1777 %	99.6733 %	94.9210 %	92.9819 %	95.5217 %	0.0072 ppm
Concentration per Run 1	101.9057 %	99.0015 %	99.5909 %	95.7490 %	92.5408 %	95.2429 %	0.0080 ppm
Concentration per Run 2	98.1780 %	99.3704 %	99.6666 %	93.6978 %	92.9696 %	95.6992 %	0.0065 ppm
Concentration per Run 3	99.6018 %	99.1610 %	99.7625 %	95.3161 %	93.4351 %	95.6229 %	0.0071 ppm
Concentration RSD	1.9 %	0.2 %	0.1 %	1.1 %	0.5 %	0.3 %	10.4 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2037059-9 WG2037059
Analysis started at: 3/10/2025 5:58:54 PM
Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0192 ppm	3.9665 ppm	0.1374 ppm	1.0903 ppm	2.1099 ppm	0.0576 ppm	39.5444 ppm
Concentration per Run 1	0.0189 ppm	3.9259 ppm	0.1343 ppm	1.0871 ppm	2.0799 ppm	0.0572 ppm	39.3957 ppm
Concentration per Run 2	0.0193 ppm	3.9925 ppm	0.1371 ppm	1.0840 ppm	2.1297 ppm	0.0579 ppm	39.6291 ppm
Concentration per Run 3	0.0194 ppm	3.9811 ppm	0.1409 ppm	1.0998 ppm	2.1201 ppm	0.0578 ppm	39.6085 ppm
Concentration RSD	1.5 %	0.9 %	2.4 %	0.8 %	1.3 %	0.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0559 ppm	0.5287 ppm	0.2185 ppm	0.2741 ppm	4.4690 ppm	18.1666 ppm	26.6305 ppm
Concentration per Run 1	0.0548 ppm	0.5201 ppm	0.2180 ppm	0.2755 ppm	4.4216 ppm	17.9100 ppm	26.6009 ppm
Concentration per Run 2	0.0558 ppm	0.5265 ppm	0.2189 ppm	0.2729 ppm	4.4895 ppm	18.3519 ppm	26.6228 ppm
Concentration per Run 3	0.0571 ppm	0.5394 ppm	0.2187 ppm	0.2738 ppm	4.4960 ppm	18.2380 ppm	26.6677 ppm
Concentration RSD	2.0 %	1.9 %	0.2 %	0.5 %	0.9 %	1.3 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.7471 ppm	0.9994 ppm	132.9538 ppm	0.5234 ppm	0.5620 ppm	0.5295 ppm	0.1362 ppm
Concentration per Run 1	0.7424 ppm	0.9738 ppm	129.5238 ppm	0.5147 ppm	0.5524 ppm	0.5187 ppm	0.1324 ppm
Concentration per Run 2	0.7504 ppm	0.9968 ppm	133.7555 ppm	0.5218 ppm	0.5591 ppm	0.5269 ppm	0.1351 ppm
Concentration per Run 3	0.7486 ppm	1.0276 ppm	135.5821 ppm	0.5337 ppm	0.5746 ppm	0.5427 ppm	0.1411 ppm
Concentration RSD	0.6 %	2.7 %	2.3 %	1.8 %	2.0 %	2.3 %	3.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.9162 ppm	1.0293 ppm	1.2924 ppm	1.1719 ppm	0.1245 ppm	0.5307 ppm	0.5660 ppm
Concentration per Run 1	5.8281 ppm	1.0100 ppm	1.2806 ppm	1.1731 ppm	0.1236 ppm	0.5218 ppm	0.5543 ppm
Concentration per Run 2	5.8926 ppm	1.0249 ppm	1.2999 ppm	1.1738 ppm	0.1233 ppm	0.5293 ppm	0.5654 ppm
Concentration per Run 3	6.0278 ppm	1.0531 ppm	1.2967 ppm	1.1688 ppm	0.1268 ppm	0.5411 ppm	0.5782 ppm
Concentration RSD	1.7 %	2.1 %	0.8 %	0.2 %	1.6 %	1.8 %	2.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.9442 %	98.8890 %	99.0584 %	98.8616 %	92.2177 %	96.2112 %	0.0061 ppm
Concentration per Run 1	101.7683 %	98.6300 %	99.1363 %	99.0953 %	93.5032 %	95.9440 %	0.0059 ppm
Concentration per Run 2	100.4904 %	98.8696 %	99.5806 %	98.7861 %	92.6568 %	96.2101 %	0.0065 ppm
Concentration per Run 3	100.5740 %	99.1673 %	98.4583 %	98.7036 %	90.4930 %	96.4796 %	0.0059 ppm
Concentration RSD	0.7 %	0.3 %	0.6 %	0.2 %	1.7 %	0.3 %	5.6 %

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LabBook: WG2038651_03102025T6.imexp

Sample: WG2037059-10D5 WG2037059
Analysis started at: 3/10/2025 6:05:20 PM
Rack: 1
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.3396 ppm	0.0011 ppm	0.0134 ppm	0.0084 ppm	0.0000 ppm	5.9349 ppm
Concentration per Run 1	0.0002 ppm	0.3320 ppm	0.0004 ppm	0.0139 ppm	0.0082 ppm	0.0000 ppm	5.7382 ppm
Concentration per Run 2	0.0000 ppm	0.3413 ppm	0.0018 ppm	0.0135 ppm	0.0086 ppm	0.0000 ppm	6.0218 ppm
Concentration per Run 3	-0.0001 ppm	0.3456 ppm	0.0011 ppm	0.0129 ppm	0.0085 ppm	0.0000 ppm	6.0449 ppm
Concentration RSD	970.4 %	2.1 %	66.5 %	3.9 %	2.4 %	22.4 %	2.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0005 ppm	0.7064 ppm	1.1631 ppm	3.4502 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0010 ppm	0.0004 ppm	0.6825 ppm	1.1207 ppm	3.4353 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0005 ppm	0.7197 ppm	1.1696 ppm	3.4184 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0006 ppm	0.7170 ppm	1.1989 ppm	3.4971 ppm
Concentration RSD	271.1 %	22.7 %	3.5 %	20.9 %	2.9 %	3.4 %	1.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0397 ppm	0.0037 ppm	25.2828 ppm	0.0008 ppm	0.0009 ppm	0.0050 ppm	-0.0006 ppm
Concentration per Run 1	0.0385 ppm	0.0042 ppm	24.6221 ppm	0.0007 ppm	0.0008 ppm	0.0054 ppm	-0.0012 ppm
Concentration per Run 2	0.0402 ppm	0.0036 ppm	25.6036 ppm	0.0009 ppm	0.0011 ppm	0.0052 ppm	-0.0009 ppm
Concentration per Run 3	0.0405 ppm	0.0032 ppm	25.6229 ppm	0.0007 ppm	0.0009 ppm	0.0044 ppm	0.0004 ppm
Concentration RSD	2.7 %	14.0 %	2.3 %	11.7 %	18.2 %	10.2 %	150.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.0042 ppm	0.0016 ppm	0.0377 ppm	0.0147 ppm	-0.0001 ppm	0.0009 ppm	0.0042 ppm
Concentration per Run 1	1.0090 ppm	0.0019 ppm	0.0366 ppm	0.0147 ppm	0.0007 ppm	0.0011 ppm	0.0042 ppm
Concentration per Run 2	1.0058 ppm	0.0014 ppm	0.0384 ppm	0.0147 ppm	0.0000 ppm	0.0009 ppm	0.0043 ppm
Concentration per Run 3	0.9979 ppm	0.0014 ppm	0.0382 ppm	0.0148 ppm	-0.0010 ppm	0.0008 ppm	0.0041 ppm
Concentration RSD	0.6 %	18.3 %	2.7 %	0.4 %	924.2 %	12.7 %	2.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.6007 %	100.5008 %	102.6696 %	98.1482 %	100.3343 %	96.9251 %	0.0017 ppm
Concentration per Run 1	104.9436 %	101.2728 %	102.3435 %	101.0342 %	100.0191 %	97.3424 %	0.0012 ppm
Concentration per Run 2	100.1248 %	101.3036 %	102.3858 %	97.0288 %	100.2366 %	97.6614 %	0.0025 ppm
Concentration per Run 3	99.7337 %	98.9258 %	103.2796 %	96.3817 %	100.7473 %	95.7714 %	0.0013 ppm
Concentration RSD	2.9 %	1.4 %	0.5 %	2.6 %	0.4 %	1.0 %	45.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511435-01 WG2037059
Analysis started at: 3/10/2025 6:11:54 PM
Rack: 1
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0072 ppm	-0.0010 ppm	0.0146 ppm	0.0336 ppm	0.0000 ppm	67.4208 ppm
Concentration per Run 1	-0.0003 ppm	0.0087 ppm	-0.0025 ppm	0.0149 ppm	0.0323 ppm	0.0000 ppm	66.0846 ppm
Concentration per Run 2	0.0000 ppm	0.0039 ppm	-0.0006 ppm	0.0145 ppm	0.0342 ppm	0.0000 ppm	68.0726 ppm
Concentration per Run 3	-0.0001 ppm	0.0088 ppm	0.0001 ppm	0.0145 ppm	0.0344 ppm	0.0000 ppm	68.1052 ppm
Concentration RSD	137.0 %	38.8 %	133.4 %	1.7 %	3.5 %	215.4 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0059 ppm	1.3866 ppm	18.7150 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0047 ppm	1.3152 ppm	18.8038 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0069 ppm	1.4068 ppm	18.7032 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0062 ppm	1.4377 ppm	18.6381 ppm
Concentration RSD	7.5 %	138.4 %	46.1 %	44.9 %	19.5 %	4.6 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0008 ppm	30.7080 ppm	0.0008 ppm	-0.0009 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run 1	0.0004 ppm	0.0009 ppm	29.9104 ppm	0.0008 ppm	-0.0012 ppm	0.0026 ppm	0.0010 ppm
Concentration per Run 2	0.0003 ppm	0.0008 ppm	31.1697 ppm	0.0008 ppm	-0.0007 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	0.0005 ppm	0.0008 ppm	31.0439 ppm	0.0008 ppm	-0.0008 ppm	0.0022 ppm	0.0007 ppm
Concentration RSD	15.8 %	5.9 %	2.3 %	1.5 %	26.4 %	86.3 %	110.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.5745 ppm	0.0004 ppm	0.2676 ppm	0.0006 ppm	-0.0005 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 1	2.5856 ppm	0.0006 ppm	0.2615 ppm	0.0007 ppm	-0.0001 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run 2	2.5710 ppm	0.0001 ppm	0.2710 ppm	0.0009 ppm	-0.0005 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run 3	2.5671 ppm	0.0005 ppm	0.2702 ppm	0.0003 ppm	-0.0010 ppm	-0.0001 ppm	0.0005 ppm
Concentration RSD	0.4 %	66.8 %	2.0 %	49.1 %	89.3 %	34.6 %	28.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.3530 %	100.8715 %	100.7453 %	96.5421 %	97.0610 %	95.9851 %	-0.0002 ppm
Concentration per Run 1	105.6317 %	100.3570 %	100.9042 %	98.1027 %	96.8451 %	95.4809 %	-0.0001 ppm
Concentration per Run 2	101.0255 %	101.0879 %	100.8499 %	95.8018 %	97.3494 %	96.1247 %	0.0002 ppm
Concentration per Run 3	100.4018 %	101.1695 %	100.4819 %	95.7217 %	96.9886 %	96.3496 %	-0.0006 ppm
Concentration RSD	2.8 %	0.4 %	0.2 %	1.4 %	0.3 %	0.5 %	208.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511645-02 WG2037059
Analysis started at: 3/10/2025 6:18:30 PM
Rack: 1
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0067 ppm	0.0007 ppm	0.0713 ppm	0.0409 ppm	0.0000 ppm	27.6100 ppm
Concentration per Run 1	-0.0002 ppm	0.0099 ppm	0.0009 ppm	0.0710 ppm	0.0404 ppm	0.0000 ppm	27.6232 ppm
Concentration per Run 2	0.0000 ppm	0.0046 ppm	0.0008 ppm	0.0714 ppm	0.0409 ppm	0.0000 ppm	27.6415 ppm
Concentration per Run 3	-0.0002 ppm	0.0054 ppm	0.0004 ppm	0.0715 ppm	0.0415 ppm	0.0000 ppm	27.5654 ppm
Concentration RSD	77.9 %	42.9 %	39.4 %	0.4 %	1.4 %	78.7 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0076 ppm	0.0484 ppm	22.9596 ppm	4.2243 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0075 ppm	0.0491 ppm	22.6793 ppm	4.2121 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0077 ppm	0.0472 ppm	22.9066 ppm	4.2224 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0076 ppm	0.0488 ppm	23.2931 ppm	4.2383 ppm
Concentration RSD	73.9 %	27.8 %	117.9 %	1.4 %	2.0 %	1.4 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2044 ppm	0.0006 ppm	152.8721 ppm	0.0011 ppm	-0.0017 ppm	0.0012 ppm	-0.0008 ppm
Concentration per Run 1	0.2047 ppm	0.0007 ppm	152.3937 ppm	0.0011 ppm	-0.0016 ppm	0.0020 ppm	-0.0007 ppm
Concentration per Run 2	0.2046 ppm	0.0007 ppm	152.9330 ppm	0.0012 ppm	-0.0010 ppm	0.0012 ppm	-0.0016 ppm
Concentration per Run 3	0.2038 ppm	0.0003 ppm	153.2896 ppm	0.0011 ppm	-0.0026 ppm	0.0004 ppm	-0.0001 ppm
Concentration RSD	0.3 %	39.1 %	0.3 %	6.5 %	46.2 %	66.0 %	98.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.3951 ppm	0.0008 ppm	0.1429 ppm	0.0004 ppm	-0.0006 ppm	0.0002 ppm	0.0421 ppm
Concentration per Run 1	4.3941 ppm	0.0009 ppm	0.1425 ppm	0.0007 ppm	-0.0006 ppm	0.0003 ppm	0.0422 ppm
Concentration per Run 2	4.3914 ppm	0.0008 ppm	0.1429 ppm	0.0004 ppm	-0.0008 ppm	-0.0001 ppm	0.0424 ppm
Concentration per Run 3	4.3997 ppm	0.0008 ppm	0.1434 ppm	0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0418 ppm
Concentration RSD	0.1 %	3.0 %	0.3 %	70.1 %	32.1 %	157.2 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.1344 %	99.1171 %	99.2384 %	94.7814 %	92.7212 %	94.0171 %	0.0021 ppm
Concentration per Run 1	102.1521 %	99.2229 %	99.6600 %	94.6348 %	92.7141 %	94.0547 %	0.0023 ppm
Concentration per Run 2	100.9461 %	99.5537 %	99.3992 %	94.8802 %	92.8829 %	94.4067 %	0.0024 ppm
Concentration per Run 3	100.3051 %	98.5747 %	98.6559 %	94.8293 %	92.5665 %	93.5898 %	0.0016 ppm
Concentration RSD	0.9 %	0.5 %	0.5 %	0.1 %	0.2 %	0.4 %	20.4 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-02 WG2037059
Analysis started at: 3/10/2025 6:25:08 PM
Rack: 1
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	2.3256 ppm	0.0030 ppm	0.0536 ppm	0.0483 ppm	0.0002 ppm	30.7364 ppm
Concentration per Run 1	-0.0001 ppm	2.3226 ppm	0.0034 ppm	0.0536 ppm	0.0479 ppm	0.0002 ppm	30.8529 ppm
Concentration per Run 2	0.0000 ppm	2.3312 ppm	0.0027 ppm	0.0542 ppm	0.0485 ppm	0.0001 ppm	30.7564 ppm
Concentration per Run 3	-0.0003 ppm	2.3229 ppm	0.0030 ppm	0.0530 ppm	0.0484 ppm	0.0002 ppm	30.5999 ppm
Concentration RSD	78.7 %	0.2 %	11.7 %	1.1 %	0.7 %	31.6 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0017 ppm	0.0062 ppm	0.0059 ppm	4.6912 ppm	6.3558 ppm	16.4518 ppm
Concentration per Run 1	0.0001 ppm	0.0017 ppm	0.0060 ppm	0.0060 ppm	4.6785 ppm	6.2997 ppm	16.6305 ppm
Concentration per Run 2	0.0000 ppm	0.0018 ppm	0.0062 ppm	0.0058 ppm	4.6998 ppm	6.4129 ppm	16.3963 ppm
Concentration per Run 3	0.0000 ppm	0.0017 ppm	0.0063 ppm	0.0061 ppm	4.6953 ppm	6.3547 ppm	16.3286 ppm
Concentration RSD	114.4 %	4.1 %	2.4 %	2.5 %	0.2 %	0.9 %	1.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2594 ppm	0.0008 ppm	128.2772 ppm	0.0038 ppm	0.0041 ppm	0.0013 ppm	-0.0006 ppm
Concentration per Run 1	0.2591 ppm	0.0008 ppm	129.2889 ppm	0.0037 ppm	0.0036 ppm	0.0007 ppm	-0.0016 ppm
Concentration per Run 2	0.2613 ppm	0.0008 ppm	130.2746 ppm	0.0038 ppm	0.0037 ppm	0.0023 ppm	0.0015 ppm
Concentration per Run 3	0.2580 ppm	0.0007 ppm	125.2679 ppm	0.0038 ppm	0.0050 ppm	0.0011 ppm	-0.0017 ppm
Concentration RSD	0.6 %	4.6 %	2.1 %	0.7 %	18.7 %	61.0 %	309.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.2289 ppm	0.0007 ppm	0.1943 ppm	0.0942 ppm	-0.0006 ppm	0.0063 ppm	0.0320 ppm
Concentration per Run 1	6.1083 ppm	0.0008 ppm	0.1944 ppm	0.0949 ppm	-0.0008 ppm	0.0063 ppm	0.0312 ppm
Concentration per Run 2	6.2824 ppm	0.0008 ppm	0.1945 ppm	0.0935 ppm	-0.0003 ppm	0.0065 ppm	0.0323 ppm
Concentration per Run 3	6.2961 ppm	0.0006 ppm	0.1939 ppm	0.0942 ppm	-0.0009 ppm	0.0062 ppm	0.0325 ppm
Concentration RSD	1.7 %	13.4 %	0.2 %	0.7 %	52.0 %	2.4 %	2.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.2187 %	98.5974 %	98.6229 %	95.4313 %	92.1803 %	95.2061 %	0.0071 ppm
Concentration per Run 1	100.8325 %	98.0847 %	98.9105 %	95.2413 %	94.0179 %	94.3238 %	0.0065 ppm
Concentration per Run 2	99.4702 %	98.8698 %	97.8863 %	95.0729 %	91.4772 %	95.5812 %	0.0069 ppm
Concentration per Run 3	100.3533 %	98.8379 %	99.0720 %	95.9796 %	91.0457 %	95.7134 %	0.0078 ppm
Concentration RSD	0.7 %	0.5 %	0.7 %	0.5 %	1.7 %	0.8 %	9.1 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-03 WG2037059
Analysis started at: 3/10/2025 6:31:46 PM
Rack: 1
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	1.9265 ppm	0.0016 ppm	0.0490 ppm	0.0445 ppm	0.0001 ppm	30.0569 ppm
Concentration per Run 1	0.0000 ppm	1.9003 ppm	0.0014 ppm	0.0493 ppm	0.0429 ppm	0.0002 ppm	29.6601 ppm
Concentration per Run 2	-0.0001 ppm	1.9453 ppm	0.0026 ppm	0.0489 ppm	0.0454 ppm	0.0001 ppm	30.3814 ppm
Concentration per Run 3	-0.0002 ppm	1.9340 ppm	0.0006 ppm	0.0487 ppm	0.0452 ppm	0.0001 ppm	30.1292 ppm
Concentration RSD	109.9 %	1.2 %	65.1 %	0.6 %	3.1 %	45.9 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0015 ppm	0.0049 ppm	0.0055 ppm	3.8397 ppm	5.6941 ppm	15.2906 ppm
Concentration per Run 1	0.0001 ppm	0.0015 ppm	0.0050 ppm	0.0054 ppm	3.7729 ppm	5.5482 ppm	15.3285 ppm
Concentration per Run 2	0.0000 ppm	0.0016 ppm	0.0049 ppm	0.0056 ppm	3.8844 ppm	5.7717 ppm	15.2966 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0049 ppm	0.0055 ppm	3.8618 ppm	5.7625 ppm	15.2467 ppm
Concentration RSD	53.1 %	11.0 %	0.9 %	2.0 %	1.5 %	2.2 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2134 ppm	0.0006 ppm	119.6454 ppm	0.0299 ppm	0.0028 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 1	0.2106 ppm	0.0007 ppm	118.1769 ppm	0.0298 ppm	0.0029 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.2160 ppm	0.0006 ppm	121.1659 ppm	0.0302 ppm	0.0025 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run 3	0.2137 ppm	0.0006 ppm	119.5936 ppm	0.0298 ppm	0.0032 ppm	-0.0003 ppm	-0.0001 ppm
Concentration RSD	1.3 %	13.3 %	1.2 %	0.8 %	12.9 %	134.6 %	278.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.5628 ppm	0.0007 ppm	0.1834 ppm	0.0792 ppm	-0.0010 ppm	0.0052 ppm	0.0268 ppm
Concentration per Run 1	5.5553 ppm	0.0004 ppm	0.1809 ppm	0.0788 ppm	-0.0005 ppm	0.0052 ppm	0.0266 ppm
Concentration per Run 2	5.5760 ppm	0.0008 ppm	0.1854 ppm	0.0795 ppm	-0.0016 ppm	0.0052 ppm	0.0268 ppm
Concentration per Run 3	5.5572 ppm	0.0009 ppm	0.1838 ppm	0.0792 ppm	-0.0008 ppm	0.0053 ppm	0.0268 ppm
Concentration RSD	0.2 %	35.1 %	1.3 %	0.5 %	57.1 %	1.5 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.3810 %	98.8378 %	99.1091 %	95.8137 %	93.3696 %	94.9851 %	0.0063 ppm
Concentration per Run 1	104.5804 %	98.7517 %	99.0838 %	96.9798 %	93.7583 %	94.8513 %	0.0062 ppm
Concentration per Run 2	99.7863 %	98.8114 %	99.1188 %	94.8985 %	93.0391 %	94.9637 %	0.0068 ppm
Concentration per Run 3	99.7763 %	98.9505 %	99.1248 %	95.5628 %	93.3114 %	95.1402 %	0.0059 ppm
Concentration RSD	2.7 %	0.1 %	0.0 %	1.1 %	0.4 %	0.2 %	7.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-04 WG2037059
Analysis started at: 3/10/2025 6:38:18 PM
Rack: 1
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	2.0306 ppm	0.0017 ppm	0.0497 ppm	0.0471 ppm	0.0001 ppm	30.3752 ppm
Concentration per Run 1	0.0000 ppm	2.0293 ppm	0.0019 ppm	0.0493 ppm	0.0468 ppm	0.0001 ppm	30.5992 ppm
Concentration per Run 2	-0.0001 ppm	2.0245 ppm	0.0028 ppm	0.0501 ppm	0.0471 ppm	0.0001 ppm	30.1528 ppm
Concentration per Run 3	-0.0001 ppm	2.0381 ppm	0.0004 ppm	0.0499 ppm	0.0475 ppm	0.0001 ppm	30.3734 ppm
Concentration RSD	111.9 %	0.3 %	70.6 %	0.8 %	0.8 %	12.8 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0014 ppm	0.0058 ppm	0.0068 ppm	4.0336 ppm	5.8693 ppm	16.3601 ppm
Concentration per Run 1	0.0001 ppm	0.0014 ppm	0.0060 ppm	0.0074 ppm	4.0417 ppm	5.8342 ppm	17.2532 ppm
Concentration per Run 2	0.0000 ppm	0.0015 ppm	0.0058 ppm	0.0067 ppm	4.0130 ppm	5.8247 ppm	16.0693 ppm
Concentration per Run 3	0.0000 ppm	0.0014 ppm	0.0057 ppm	0.0062 ppm	4.0463 ppm	5.9490 ppm	15.7577 ppm
Concentration RSD	83.6 %	5.3 %	2.6 %	8.5 %	0.4 %	1.2 %	4.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2218 ppm	0.0008 ppm	119.5839 ppm	0.0036 ppm	0.0034 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run 1	0.2233 ppm	0.0007 ppm	117.8438 ppm	0.0037 ppm	0.0034 ppm	0.0018 ppm	0.0019 ppm
Concentration per Run 2	0.2203 ppm	0.0007 ppm	120.0102 ppm	0.0037 ppm	0.0031 ppm	0.0014 ppm	-0.0007 ppm
Concentration per Run 3	0.2220 ppm	0.0009 ppm	120.8978 ppm	0.0033 ppm	0.0037 ppm	-0.0002 ppm	-0.0018 ppm
Concentration RSD	0.7 %	9.0 %	1.3 %	6.1 %	10.0 %	103.3 %	946.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.9295 ppm	0.0007 ppm	0.1837 ppm	0.0879 ppm	-0.0004 ppm	0.0055 ppm	0.0287 ppm
Concentration per Run 1	5.9292 ppm	0.0008 ppm	0.1840 ppm	0.0930 ppm	0.0004 ppm	0.0057 ppm	0.0286 ppm
Concentration per Run 2	5.9151 ppm	0.0007 ppm	0.1829 ppm	0.0861 ppm	-0.0014 ppm	0.0053 ppm	0.0286 ppm
Concentration per Run 3	5.9441 ppm	0.0007 ppm	0.1843 ppm	0.0847 ppm	-0.0003 ppm	0.0055 ppm	0.0289 ppm
Concentration RSD	0.2 %	7.2 %	0.4 %	5.1 %	212.4 %	4.1 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.4538 %	95.2676 %	97.9985 %	97.4802 %	92.0928 %	90.2346 %	0.0065 ppm
Concentration per Run 1	101.2335 %	90.5542 %	98.2346 %	97.0753 %	92.4504 %	85.9734 %	0.0060 ppm
Concentration per Run 2	100.6212 %	97.3763 %	97.9576 %	97.9982 %	92.2370 %	91.6200 %	0.0074 ppm
Concentration per Run 3	99.5066 %	97.8724 %	97.8035 %	97.3671 %	91.5909 %	93.1105 %	0.0062 ppm
Concentration RSD	0.9 %	4.3 %	0.2 %	0.5 %	0.5 %	4.2 %	12.2 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/10/2025 6:44:57 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.4969 ppm	0.5053 ppm	0.4760 ppm	0.4829 ppm	0.4753 ppm	0.5199 ppm	0.5181 ppm
Concentration per Run 1	0.4981 ppm	0.4933 ppm	0.4778 ppm	0.4827 ppm	0.4698 ppm	0.5083 ppm	0.4992 ppm
Concentration per Run 2	0.4966 ppm	0.5133 ppm	0.4778 ppm	0.4865 ppm	0.4832 ppm	0.5288 ppm	0.5281 ppm
Concentration per Run 3	0.4960 ppm	0.5092 ppm	0.4724 ppm	0.4794 ppm	0.4729 ppm	0.5225 ppm	0.5269 ppm
Recovery Percentage 1	99.383 %	101.053 %	95.200 %	96.574 %	95.058 %	103.970 %	103.614 %
Concentration RSD	0.2 %	2.1 %	0.7 %	0.7 %	1.5 %	2.0 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4796 ppm	0.4891 ppm	0.5039 ppm	0.4807 ppm	0.5299 ppm	5.0577 ppm	0.5044 ppm
Concentration per Run 1	0.4822 ppm	0.4914 ppm	0.5084 ppm	0.4819 ppm	0.5159 ppm	4.9987 ppm	0.5062 ppm
Concentration per Run 2	0.4840 ppm	0.4931 ppm	0.5013 ppm	0.4805 ppm	0.5428 ppm	5.1699 ppm	0.5023 ppm
Concentration per Run 3	0.4725 ppm	0.4828 ppm	0.5019 ppm	0.4797 ppm	0.5308 ppm	5.0045 ppm	0.5048 ppm
Recovery Percentage 1	95.916 %	97.815 %	100.771 %	96.141 %	105.971 %	101.154 %	100.886 %
Concentration RSD	1.3 %	1.1 %	0.8 %	0.2 %	2.5 %	1.9 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5030 ppm	0.4679 ppm	9.8741 ppm	0.4854 ppm	0.4787 ppm	0.4911 ppm	0.4792 ppm
Concentration per Run 1	0.4918 ppm	0.4685 ppm	9.6451 ppm	0.4867 ppm	0.4797 ppm	0.4918 ppm	0.4816 ppm
Concentration per Run 2	0.5116 ppm	0.4724 ppm	10.0794 ppm	0.4902 ppm	0.4817 ppm	0.4953 ppm	0.4794 ppm
Concentration per Run 3	0.5056 ppm	0.4629 ppm	9.8980 ppm	0.4792 ppm	0.4747 ppm	0.4864 ppm	0.4764 ppm
Recovery Percentage 1	100.598 %	93.588 %	98.741 %	97.071 %	95.741 %	98.229 %	95.835 %
Concentration RSD	2.0 %	1.0 %	2.2 %	1.2 %	0.8 %	0.9 %	0.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2021 ppm	0.4856 ppm	0.5029 ppm	0.5113 ppm	0.4810 ppm	0.4690 ppm	0.4909 ppm
Concentration per Run 1	5.2072 ppm	0.4878 ppm	0.4916 ppm	0.5148 ppm	0.4821 ppm	0.4706 ppm	0.4942 ppm
Concentration per Run 2	5.2396 ppm	0.4891 ppm	0.5119 ppm	0.5100 ppm	0.4845 ppm	0.4719 ppm	0.4953 ppm
Concentration per Run 3	5.1594 ppm	0.4799 ppm	0.5051 ppm	0.5092 ppm	0.4763 ppm	0.4645 ppm	0.4832 ppm
Recovery Percentage 1	99.087 %	97.120 %	100.570 %	102.265 %	96.197 %	93.801 %	98.177 %
Concentration RSD	0.8 %	1.0 %	2.1 %	0.6 %	0.9 %	0.8 %	1.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.1809 %	100.4547 %	101.4314 %	102.3005 %	98.6126 %	98.9389 %	0.4960 ppm
Concentration per Run 1	103.0999 %	99.7391 %	101.3916 %	104.3897 %	98.3870 %	98.4026 %	0.4846 ppm
Concentration per Run 2	101.0303 %	100.6863 %	100.6844 %	100.9628 %	97.8610 %	99.0387 %	0.5079 ppm
Concentration per Run 3	102.4124 %	100.9387 %	102.2183 %	101.5491 %	99.5897 %	99.3753 %	0.4957 ppm
Recovery Percentage 1							99.209 %
Concentration RSD	1.0 %	0.6 %	0.8 %	1.8 %	0.9 %	0.5 %	2.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/10/2025 6:51:15 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0020 ppm	0.0003 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	0.0000 ppm	-0.0090 ppm	-0.0003 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0032 ppm	-0.0006 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0053 ppm
Recovery Percentage 1	-0.600 %	-1.993 %	6.170 %	4.394 %	0.020 %	-0.237 %	2.774 %
Concentration RSD	176.6 %	316.8 %	413.7 %	6.2 %	2,663.2 %	188.9 %	97.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0005 ppm	-0.0760 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0766 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0002 ppm	-0.0776 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0010 ppm	-0.0738 ppm	-0.0006 ppm
Recovery Percentage 1	-0.243 %	0.082 %	-0.844 %	-3.523 %	0.900 %	-3.039 %	0.699 %
Concentration RSD	46.7 %	416.9 %	116.0 %	24.0 %	97.9 %	2.6 %	174.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0001 ppm	0.0006 ppm	-0.1035 ppm	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0007 ppm	-0.1017 ppm	-0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0014 ppm
Concentration per Run 2	-0.0002 ppm	0.0006 ppm	-0.1044 ppm	0.0000 ppm	-0.0004 ppm	0.0018 ppm	0.0007 ppm
Concentration per Run 3	-0.0002 ppm	0.0006 ppm	-0.1045 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0006 ppm
Recovery Percentage 1	-1.315 %	1.295 %	-5.176 %	-0.200 %	-1.232 %	2.141 %	8.890 %
Concentration RSD	139.1 %	10.0 %	1.5 %	124.1 %	323.2 %	81.0 %	49.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0017 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 1	0.0020 ppm	0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0010 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 2	0.0014 ppm	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	-0.0007 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 3	0.0018 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0000 ppm	-0.0012 ppm
Recovery Percentage 1	0.339 %	0.631 %	-0.232 %	-1.764 %	-1.273 %	-0.238 %	-25.057 %
Concentration RSD	18.4 %	39.3 %	295.4 %	46.7 %	402.5 %	359.7 %	8.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.3058 %	101.3340 %	100.9269 %	100.2207 %	99.8615 %	100.2105 %	-0.0001 ppm
Concentration per Run 1	103.0831 %	100.1168 %	100.9042 %	101.9522 %	99.9871 %	98.6655 %	-0.0002 ppm
Concentration per Run 2	100.5488 %	106.0762 %	101.0422 %	99.5978 %	100.1664 %	104.5079 %	0.0005 ppm
Concentration per Run 3	100.2855 %	97.8092 %	100.8344 %	99.1121 %	99.4309 %	97.4580 %	-0.0004 ppm
Recovery Percentage 1							-0.573 %
Concentration RSD	1.5 %	4.2 %	0.1 %	1.5 %	0.4 %	3.8 %	834.8 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-05 WG2037059
Analysis started at: 3/10/2025 6:57:55 PM
Rack: 1
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.8997 ppm	0.0012 ppm	0.0460 ppm	0.0406 ppm	0.0001 ppm	28.9174 ppm
Concentration per Run 1	-0.0002 ppm	0.8882 ppm	0.0013 ppm	0.0458 ppm	0.0394 ppm	0.0001 ppm	28.5433 ppm
Concentration per Run 2	-0.0002 ppm	0.9141 ppm	0.0005 ppm	0.0462 ppm	0.0414 ppm	0.0001 ppm	29.1578 ppm
Concentration per Run 3	-0.0004 ppm	0.8969 ppm	0.0017 ppm	0.0460 ppm	0.0410 ppm	0.0001 ppm	29.0511 ppm
Concentration RSD	37.4 %	1.5 %	50.3 %	0.4 %	2.6 %	18.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0008 ppm	0.0026 ppm	0.0039 ppm	1.7901 ppm	5.1658 ppm	14.3353 ppm
Concentration per Run 1	0.0001 ppm	0.0008 ppm	0.0021 ppm	0.0042 ppm	1.7665 ppm	5.0131 ppm	14.5078 ppm
Concentration per Run 2	0.0000 ppm	0.0009 ppm	0.0029 ppm	0.0039 ppm	1.7992 ppm	5.2582 ppm	14.2414 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.0029 ppm	0.0038 ppm	1.8046 ppm	5.2260 ppm	14.2568 ppm
Concentration RSD	79.5 %	13.0 %	16.9 %	4.7 %	1.2 %	2.6 %	1.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1552 ppm	0.0009 ppm	110.7036 ppm	0.0021 ppm	0.0015 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run 1	0.1527 ppm	0.0010 ppm	109.4268 ppm	0.0021 ppm	0.0018 ppm	0.0007 ppm	0.0020 ppm
Concentration per Run 2	0.1571 ppm	0.0006 ppm	112.0203 ppm	0.0022 ppm	0.0008 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.1557 ppm	0.0010 ppm	110.6638 ppm	0.0020 ppm	0.0019 ppm	0.0000 ppm	0.0012 ppm
Concentration RSD	1.4 %	27.1 %	1.2 %	4.8 %	42.1 %	193.5 %	63.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.9510 ppm	0.0007 ppm	0.1685 ppm	0.0349 ppm	-0.0003 ppm	0.0024 ppm	0.0166 ppm
Concentration per Run 1	3.9456 ppm	0.0010 ppm	0.1667 ppm	0.0348 ppm	-0.0014 ppm	0.0026 ppm	0.0166 ppm
Concentration per Run 2	3.9738 ppm	0.0008 ppm	0.1700 ppm	0.0347 ppm	0.0003 ppm	0.0025 ppm	0.0168 ppm
Concentration per Run 3	3.9335 ppm	0.0004 ppm	0.1688 ppm	0.0351 ppm	0.0002 ppm	0.0022 ppm	0.0165 ppm
Concentration RSD	0.5 %	40.8 %	1.0 %	0.6 %	291.4 %	8.8 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.3080 %	96.4754 %	97.1542 %	100.9544 %	92.4584 %	94.6268 %	0.0036 ppm
Concentration per Run 1	105.1016 %	96.0766 %	97.5930 %	102.0895 %	92.5812 %	93.6689 %	0.0034 ppm
Concentration per Run 2	100.9122 %	96.8899 %	96.6246 %	100.2268 %	91.9321 %	95.0354 %	0.0037 ppm
Concentration per Run 3	100.9103 %	96.4597 %	97.2448 %	100.5468 %	92.8619 %	95.1760 %	0.0038 ppm
Concentration RSD	2.4 %	0.4 %	0.5 %	1.0 %	0.5 %	0.9 %	6.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511695-06 WG2037059
Analysis started at: 3/10/2025 7:04:26 PM
Rack: 1
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.7573 ppm	0.0012 ppm	0.0460 ppm	0.0399 ppm	0.0000 ppm	30.1735 ppm
Concentration per Run 1	0.0000 ppm	0.7551 ppm	0.0008 ppm	0.0461 ppm	0.0393 ppm	0.0000 ppm	30.0370 ppm
Concentration per Run 2	0.0001 ppm	0.7599 ppm	0.0009 ppm	0.0461 ppm	0.0402 ppm	0.0000 ppm	30.2811 ppm
Concentration per Run 3	-0.0001 ppm	0.7570 ppm	0.0020 ppm	0.0458 ppm	0.0404 ppm	0.0000 ppm	30.2026 ppm
Concentration RSD	1,234.1 %	0.3 %	55.6 %	0.4 %	1.4 %	109.5 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0006 ppm	0.0020 ppm	0.0041 ppm	1.4947 ppm	5.2657 ppm	14.1431 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0022 ppm	0.0041 ppm	1.4799 ppm	5.1216 ppm	14.2171 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0019 ppm	0.0040 ppm	1.5011 ppm	5.3327 ppm	14.1857 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	0.0018 ppm	0.0040 ppm	1.5031 ppm	5.3429 ppm	14.0266 ppm
Concentration RSD	127.0 %	8.1 %	10.2 %	0.8 %	0.9 %	2.4 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1364 ppm	0.0007 ppm	115.5808 ppm	0.0019 ppm	0.0014 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.1355 ppm	0.0008 ppm	114.8723 ppm	0.0018 ppm	0.0012 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 2	0.1370 ppm	0.0007 ppm	116.1855 ppm	0.0019 ppm	0.0021 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run 3	0.1368 ppm	0.0007 ppm	115.6847 ppm	0.0019 ppm	0.0010 ppm	0.0003 ppm	-0.0013 ppm
Concentration RSD	0.6 %	10.3 %	0.6 %	1.2 %	41.3 %	462.4 %	1,226.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.6844 ppm	0.0007 ppm	0.1759 ppm	0.0282 ppm	-0.0003 ppm	0.0022 ppm	0.0136 ppm
Concentration per Run 1	3.6900 ppm	0.0007 ppm	0.1752 ppm	0.0278 ppm	0.0003 ppm	0.0022 ppm	0.0136 ppm
Concentration per Run 2	3.6993 ppm	0.0007 ppm	0.1765 ppm	0.0286 ppm	-0.0005 ppm	0.0022 ppm	0.0136 ppm
Concentration per Run 3	3.6640 ppm	0.0006 ppm	0.1760 ppm	0.0281 ppm	-0.0007 ppm	0.0021 ppm	0.0135 ppm
Concentration RSD	0.5 %	14.5 %	0.4 %	1.4 %	175.0 %	1.6 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.7022 %	96.5033 %	97.2272 %	98.6992 %	93.5523 %	96.7914 %	0.0041 ppm
Concentration per Run 1	103.9785 %	96.2696 %	97.2027 %	99.1866 %	93.7085 %	96.4459 %	0.0047 ppm
Concentration per Run 2	100.5150 %	96.1725 %	97.1731 %	98.1941 %	93.0391 %	96.4378 %	0.0043 ppm
Concentration per Run 3	100.6131 %	97.0678 %	97.3059 %	98.7170 %	93.9092 %	97.4906 %	0.0035 ppm
Concentration RSD	1.9 %	0.5 %	0.1 %	0.5 %	0.5 %	0.6 %	14.4 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511717-01 WG2037059
Analysis started at: 3/10/2025 7:10:57 PM
Rack: 1
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	1.7557 ppm	0.0068 ppm	0.0095 ppm	0.0017 ppm	0.0000 ppm	2.4606 ppm
Concentration per Run 1	0.0001 ppm	1.7566 ppm	0.0087 ppm	0.0098 ppm	0.0017 ppm	0.0000 ppm	2.4601 ppm
Concentration per Run 2	0.0001 ppm	1.7624 ppm	0.0055 ppm	0.0093 ppm	0.0017 ppm	0.0000 ppm	2.4765 ppm
Concentration per Run 3	-0.0001 ppm	1.7481 ppm	0.0062 ppm	0.0095 ppm	0.0018 ppm	0.0000 ppm	2.4453 ppm
Concentration RSD	558.8 %	0.4 %	24.4 %	2.8 %	4.4 %	1,551.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0361 ppm	0.0312 ppm	0.2472 ppm	0.3345 ppm	0.9967 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0370 ppm	0.0314 ppm	0.2452 ppm	0.3379 ppm	1.0047 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0360 ppm	0.0311 ppm	0.2498 ppm	0.3340 ppm	0.9998 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0354 ppm	0.0312 ppm	0.2466 ppm	0.3317 ppm	0.9856 ppm
Concentration RSD	101.4 %	55.0 %	2.3 %	0.6 %	1.0 %	0.9 %	1.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0127 ppm	0.0039 ppm	339.3677 ppm	0.9354 ppm	-0.0004 ppm	-0.0008 ppm	-0.0004 ppm
Concentration per Run 1	0.0128 ppm	0.0040 ppm	339.3259 ppm	0.9407 ppm	0.0001 ppm	-0.0014 ppm	-0.0012 ppm
Concentration per Run 2	0.0129 ppm	0.0038 ppm	330.9175 ppm	0.9314 ppm	-0.0003 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0123 ppm	0.0040 ppm	347.8596 ppm	0.9341 ppm	-0.0009 ppm	0.0000 ppm	-0.0004 ppm
Concentration RSD	2.6 %	3.3 %	2.5 %	0.5 %	133.5 %	89.6 %	150.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.5664 ppm	0.0002 ppm	0.0055 ppm	0.0010 ppm	-0.0012 ppm	0.0003 ppm	0.0045 ppm
Concentration per Run 1	1.5778 ppm	-0.0003 ppm	0.0054 ppm	0.0012 ppm	-0.0017 ppm	0.0003 ppm	0.0045 ppm
Concentration per Run 2	1.5602 ppm	0.0007 ppm	0.0056 ppm	0.0009 ppm	-0.0009 ppm	0.0003 ppm	0.0045 ppm
Concentration per Run 3	1.5612 ppm	0.0002 ppm	0.0056 ppm	0.0010 ppm	-0.0009 ppm	0.0002 ppm	0.0046 ppm
Concentration RSD	0.6 %	238.1 %	1.5 %	17.3 %	41.6 %	24.3 %	1.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.3769 %	94.0307 %	93.0023 %	100.2391 %	87.0714 %	94.8439 %	0.0005 ppm
Concentration per Run 1	102.3026 %	93.6136 %	92.9707 %	100.2257 %	86.7618 %	94.3256 %	0.0006 ppm
Concentration per Run 2	100.4975 %	94.0617 %	93.2400 %	99.6646 %	87.3970 %	94.8817 %	0.0005 ppm
Concentration per Run 3	101.3306 %	94.4168 %	92.7962 %	100.8270 %	87.0554 %	95.3243 %	0.0004 ppm
Concentration RSD	0.9 %	0.4 %	0.2 %	0.6 %	0.4 %	0.5 %	25.7 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511741-01 WG2037059
Analysis started at: 3/10/2025 7:17:37 PM
Rack: 1
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.2883 ppm	0.0113 ppm	0.0334 ppm	0.0081 ppm	0.0000 ppm	5.9925 ppm
Concentration per Run 1	-0.0002 ppm	0.2860 ppm	0.0102 ppm	0.0330 ppm	0.0079 ppm	-0.0001 ppm	5.9325 ppm
Concentration per Run 2	-0.0003 ppm	0.2889 ppm	0.0119 ppm	0.0339 ppm	0.0082 ppm	0.0000 ppm	5.9683 ppm
Concentration per Run 3	0.0001 ppm	0.2901 ppm	0.0119 ppm	0.0333 ppm	0.0082 ppm	-0.0001 ppm	6.0769 ppm
Concentration RSD	136.8 %	0.7 %	8.4 %	1.3 %	2.0 %	82.6 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0062 ppm	0.0205 ppm	0.8232 ppm	29.6132 ppm	2.8804 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0051 ppm	0.0201 ppm	0.8185 ppm	29.1121 ppm	2.8466 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0077 ppm	0.0214 ppm	0.8189 ppm	29.8547 ppm	2.9724 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0057 ppm	0.0201 ppm	0.8322 ppm	29.8730 ppm	2.8221 ppm
Concentration RSD	860.6 %	65.7 %	22.1 %	3.7 %	0.9 %	1.5 %	2.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0255 ppm	0.0014 ppm	152.6283 ppm	0.0108 ppm	-0.0010 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0255 ppm	0.0015 ppm	148.3384 ppm	0.0118 ppm	-0.0004 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	0.0256 ppm	0.0013 ppm	155.8828 ppm	0.0101 ppm	-0.0014 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0254 ppm	0.0013 ppm	153.6638 ppm	0.0103 ppm	-0.0013 ppm	0.0012 ppm	0.0012 ppm
Concentration RSD	0.4 %	7.7 %	2.5 %	8.7 %	54.9 %	361.6 %	607.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.7134 ppm	0.0027 ppm	0.0195 ppm	0.0027 ppm	-0.0090 ppm	-0.0001 ppm	0.0942 ppm
Concentration per Run 1	1.7051 ppm	0.0027 ppm	0.0193 ppm	0.0029 ppm	-0.0086 ppm	-0.0002 ppm	0.0933 ppm
Concentration per Run 2	1.7368 ppm	0.0028 ppm	0.0195 ppm	0.0027 ppm	-0.0091 ppm	0.0000 ppm	0.0954 ppm
Concentration per Run 3	1.6983 ppm	0.0027 ppm	0.0196 ppm	0.0027 ppm	-0.0093 ppm	-0.0002 ppm	0.0939 ppm
Concentration RSD	1.2 %	0.6 %	0.8 %	5.3 %	3.9 %	80.6 %	1.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.0210 %	95.0349 %	92.6420 %	101.7998 %	89.0416 %	94.5851 %	0.0013 ppm
Concentration per Run 1	103.7093 %	94.7630 %	92.9907 %	102.7506 %	89.4417 %	95.6294 %	0.0010 ppm
Concentration per Run 2	101.8278 %	94.3612 %	91.7067 %	102.0499 %	87.8761 %	91.6299 %	0.0011 ppm
Concentration per Run 3	100.5258 %	95.9806 %	93.2286 %	100.5990 %	89.8070 %	96.4959 %	0.0020 ppm
Concentration RSD	1.6 %	0.9 %	0.9 %	1.1 %	1.2 %	2.7 %	40.7 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511773-02 WG2037059
Analysis started at: 3/10/2025 7:24:20 PM
Rack: 1
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0172 ppm	-0.0004 ppm	0.1083 ppm	0.4249 ppm	0.0000 ppm	124.3789 ppm
Concentration per Run 1	0.0002 ppm	0.0175 ppm	-0.0006 ppm	0.1094 ppm	0.4163 ppm	0.0000 ppm	124.3969 ppm
Concentration per Run 2	0.0000 ppm	0.0174 ppm	-0.0001 ppm	0.1077 ppm	0.4280 ppm	0.0000 ppm	124.9848 ppm
Concentration per Run 3	0.0000 ppm	0.0166 ppm	-0.0006 ppm	0.1078 ppm	0.4304 ppm	0.0000 ppm	123.7549 ppm
Concentration RSD	215.4 %	2.8 %	64.0 %	0.9 %	1.8 %	137.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0321 ppm	1.5674 ppm	2.1611 ppm	11.5779 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0319 ppm	1.5582 ppm	2.1167 ppm	11.5699 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0325 ppm	1.5792 ppm	2.1641 ppm	11.6501 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0320 ppm	1.5650 ppm	2.2024 ppm	11.5138 ppm
Concentration RSD	18.8 %	13.7 %	33.3 %	1.0 %	0.7 %	2.0 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	5.4316 ppm	0.0004 ppm	71.0466 ppm	0.0008 ppm	-0.0055 ppm	0.0002 ppm	-0.0013 ppm
Concentration per Run 1	5.4250 ppm	0.0004 ppm	70.8960 ppm	0.0009 ppm	-0.0055 ppm	0.0006 ppm	-0.0019 ppm
Concentration per Run 2	5.4604 ppm	0.0003 ppm	71.3359 ppm	0.0006 ppm	-0.0059 ppm	-0.0004 ppm	-0.0011 ppm
Concentration per Run 3	5.4094 ppm	0.0003 ppm	70.9078 ppm	0.0008 ppm	-0.0050 ppm	0.0004 ppm	-0.0010 ppm
Concentration RSD	0.5 %	18.3 %	0.4 %	19.8 %	8.0 %	289.3 %	37.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	12.4349 [SIC 200]	0.0011 ppm	0.2703 ppm	0.0008 ppm	-0.0035 ppm	0.0112 ppm	0.0239 ppm
Concentration per Run 1	12.5646 ppm	0.0010 ppm	0.2696 ppm	0.0010 ppm	-0.0026 ppm	0.0113 ppm	0.0241 ppm
Concentration per Run 2	12.3873 ppm	0.0013 ppm	0.2710 ppm	0.0006 ppm	-0.0042 ppm	0.0112 ppm	0.0238 ppm
Concentration per Run 3	12.3529 ppm	0.0010 ppm	0.2704 ppm	0.0009 ppm	-0.0038 ppm	0.0112 ppm	0.0236 ppm
Concentration RSD	0.9 %	15.9 %	0.3 %	26.4 %	22.7 %	0.3 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.1380 %	94.2111 %	91.9163 %	100.1775 %	87.9882 %	95.6477 %	0.0126 ppm
Concentration per Run 1	103.8917 %	94.3707 %	91.2118 %	100.1694 %	87.1989 %	95.7523 %	0.0123 ppm
Concentration per Run 2	101.2182 %	93.9860 %	92.4910 %	99.7232 %	88.3750 %	95.3799 %	0.0129 ppm
Concentration per Run 3	101.3041 %	94.2766 %	92.0460 %	100.6399 %	88.3908 %	95.8111 %	0.0126 ppm
Concentration RSD	1.5 %	0.2 %	0.7 %	0.5 %	0.8 %	0.2 %	2.1 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-01 WG2036575
Analysis started at: 3/10/2025 7:30:52 PM
Rack: 1
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.3789 ppm	0.0001 ppm	0.0314 ppm	0.1168 ppm	0.0000 ppm	27.0276 ppm
Concentration per Run 1	0.0005 ppm	0.3710 ppm	-0.0007 ppm	0.0317 ppm	0.1135 ppm	0.0000 ppm	26.4366 ppm
Concentration per Run 2	0.0004 ppm	0.3831 ppm	0.0010 ppm	0.0313 ppm	0.1180 ppm	0.0000 ppm	27.2927 ppm
Concentration per Run 3	0.0002 ppm	0.3826 ppm	-0.0001 ppm	0.0311 ppm	0.1190 ppm	0.0000 ppm	27.3535 ppm
Concentration RSD	40.9 %	1.8 %	996.0 %	1.1 %	2.5 %	56.4 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0055 ppm	0.0016 ppm	0.0009 ppm	8.5853 ppm	22.8236 ppm	5.2419 ppm
Concentration per Run 1	0.0001 ppm	0.0055 ppm	0.0015 ppm	0.0010 ppm	8.3986 ppm	22.4030 ppm	5.2238 ppm
Concentration per Run 2	0.0001 ppm	0.0054 ppm	0.0018 ppm	0.0009 ppm	8.6465 ppm	22.9899 ppm	5.2635 ppm
Concentration per Run 3	0.0001 ppm	0.0057 ppm	0.0015 ppm	0.0010 ppm	8.7107 ppm	23.0779 ppm	5.2384 ppm
Concentration RSD	16.0 %	2.4 %	10.8 %	7.4 %	1.9 %	1.6 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	12.4809 ppm	0.0000 ppm	71.5670 ppm	0.0010 ppm	-0.0021 ppm	-0.0007 ppm	-0.0031 ppm
Concentration per Run 1	12.2594 ppm	0.0000 ppm	71.1938 ppm	0.0006 ppm	-0.0024 ppm	-0.0007 ppm	-0.0031 ppm
Concentration per Run 2	12.5599 ppm	0.0000 ppm	71.6714 ppm	0.0010 ppm	-0.0015 ppm	-0.0009 ppm	-0.0037 ppm
Concentration per Run 3	12.6235 ppm	0.0000 ppm	71.8356 ppm	0.0013 ppm	-0.0024 ppm	-0.0004 ppm	-0.0026 ppm
Concentration RSD	1.6 %	173.3 %	0.5 %	33.9 %	26.0 %	42.3 %	17.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.1906 ppm	0.0004 ppm	0.1295 ppm	0.0175 ppm	-0.0064 ppm	0.0223 ppm	0.0023 ppm
Concentration per Run 1	4.1399 ppm	0.0002 ppm	0.1278 ppm	0.0176 ppm	-0.0068 ppm	0.0223 ppm	0.0024 ppm
Concentration per Run 2	4.1811 ppm	0.0003 ppm	0.1301 ppm	0.0173 ppm	-0.0058 ppm	0.0221 ppm	0.0023 ppm
Concentration per Run 3	4.2507 ppm	0.0006 ppm	0.1305 ppm	0.0176 ppm	-0.0067 ppm	0.0226 ppm	0.0023 ppm
Concentration RSD	1.3 %	46.7 %	1.1 %	0.9 %	8.8 %	1.1 %	2.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.4318 %	95.5982 %	96.0585 %	102.6289 %	93.3066 %	98.3889 %	0.0011 ppm
Concentration per Run 1	106.0892 %	95.8582 %	96.0077 %	104.7009 %	94.6037 %	98.6675 %	0.0012 ppm
Concentration per Run 2	101.2207 %	95.3903 %	96.1580 %	101.9715 %	93.4988 %	98.2128 %	0.0010 ppm
Concentration per Run 3	99.9854 %	95.5461 %	96.0098 %	101.2141 %	91.8173 %	98.2863 %	0.0012 ppm
Concentration RSD	3.2 %	0.2 %	0.1 %	1.8 %	1.5 %	0.2 %	9.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-02 WG2036575
Analysis started at: 3/10/2025 7:37:24 PM
Rack: 1
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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0169 ppm	-0.0015 ppm	0.0377 ppm	0.0280 ppm	0.0000 ppm	39.8062 ppm
Concentration per Run 1	0.0004 ppm	0.0190 ppm	-0.0022 ppm	0.0380 ppm	0.0272 ppm	0.0000 ppm	39.4639 ppm
Concentration per Run 2	0.0003 ppm	0.0095 ppm	-0.0005 ppm	0.0372 ppm	0.0283 ppm	0.0000 ppm	39.8102 ppm
Concentration per Run 3	-0.0001 ppm	0.0221 ppm	-0.0017 ppm	0.0379 ppm	0.0284 ppm	0.0000 ppm	40.1447 ppm
Concentration RSD	137.0 %	38.7 %	61.3 %	1.2 %	2.4 %	337.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0011 ppm	0.0005 ppm	0.0009 ppm	0.6702 ppm	18.9341 ppm	9.0046 ppm
Concentration per Run 1	-0.0001 ppm	0.0010 ppm	0.0009 ppm	0.0008 ppm	0.6600 ppm	18.5406 ppm	8.9832 ppm
Concentration per Run 2	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0010 ppm	0.6753 ppm	19.1356 ppm	9.0170 ppm
Concentration per Run 3	0.0000 ppm	0.0012 ppm	0.0003 ppm	0.0008 ppm	0.6753 ppm	19.1259 ppm	9.0136 ppm
Concentration RSD	83.6 %	7.3 %	72.1 %	15.1 %	1.3 %	1.8 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	5.3333 ppm	0.0002 ppm	110.9892 ppm	0.0008 ppm	-0.0014 ppm	-0.0006 ppm	-0.0017 ppm
Concentration per Run 1	5.2916 ppm	0.0001 ppm	109.7613 ppm	0.0007 ppm	-0.0015 ppm	-0.0010 ppm	-0.0013 ppm
Concentration per Run 2	5.3485 ppm	0.0001 ppm	113.2705 ppm	0.0007 ppm	-0.0014 ppm	-0.0003 ppm	-0.0019 ppm
Concentration per Run 3	5.3597 ppm	0.0002 ppm	109.9359 ppm	0.0009 ppm	-0.0012 ppm	-0.0005 ppm	-0.0020 ppm
Concentration RSD	0.7 %	26.5 %	1.8 %	12.3 %	10.7 %	60.5 %	23.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.2374 ppm	0.0002 ppm	0.1889 ppm	0.0010 ppm	-0.0035 ppm	0.0101 ppm	0.0005 ppm
Concentration per Run 1	3.2307 ppm	0.0000 ppm	0.1876 ppm	0.0011 ppm	-0.0031 ppm	0.0103 ppm	0.0005 ppm
Concentration per Run 2	3.2293 ppm	0.0005 ppm	0.1902 ppm	0.0010 ppm	-0.0031 ppm	0.0100 ppm	0.0006 ppm
Concentration per Run 3	3.2520 ppm	0.0002 ppm	0.1888 ppm	0.0011 ppm	-0.0042 ppm	0.0100 ppm	0.0005 ppm
Concentration RSD	0.4 %	112.2 %	0.7 %	6.0 %	18.5 %	1.7 %	8.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.9964 %	93.6464 %	93.6492 %	100.1093 %	91.4304 %	96.3883 %	0.0074 ppm
Concentration per Run 1	103.8192 %	93.8471 %	93.8609 %	101.0516 %	91.4839 %	96.4728 %	0.0072 ppm
Concentration per Run 2	100.5982 %	93.3081 %	93.9372 %	100.2041 %	91.5842 %	96.1507 %	0.0078 ppm
Concentration per Run 3	98.5718 %	93.7841 %	93.1495 %	99.0721 %	91.2231 %	96.5415 %	0.0074 ppm
Concentration RSD	2.6 %	0.3 %	0.5 %	1.0 %	0.2 %	0.2 %	4.4 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-03 WG2036575
Analysis started at: 3/10/2025 7:46:16 PM
Rack: 1
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.4713 ppm	0.0002 ppm	0.0289 ppm	0.0199 ppm	0.0003 ppm	4.2298 ppm
Concentration per Run 1	0.0000 ppm	0.4553 ppm	-0.0003 ppm	0.0294 ppm	0.0192 ppm	0.0003 ppm	4.0932 ppm
Concentration per Run 2	0.0003 ppm	0.4716 ppm	0.0000 ppm	0.0286 ppm	0.0202 ppm	0.0003 ppm	4.2678 ppm
Concentration per Run 3	-0.0002 ppm	0.4870 ppm	0.0007 ppm	0.0288 ppm	0.0202 ppm	0.0004 ppm	4.3285 ppm
Concentration RSD	1,343.5 %	3.4 %	338.6 %	1.6 %	2.7 %	11.6 %	2.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	0.0062 ppm	0.0001 ppm	0.0006 ppm	2.6449 ppm	1.5927 ppm	1.0969 ppm
Concentration per Run 1	0.0002 ppm	0.0062 ppm	0.0002 ppm	0.0006 ppm	2.5528 ppm	1.5392 ppm	1.1063 ppm
Concentration per Run 2	0.0001 ppm	0.0063 ppm	0.0002 ppm	0.0005 ppm	2.6607 ppm	1.6141 ppm	1.0772 ppm
Concentration per Run 3	0.0002 ppm	0.0062 ppm	0.0001 ppm	0.0006 ppm	2.7212 ppm	1.6248 ppm	1.1072 ppm
Concentration RSD	16.4 %	1.1 %	52.8 %	15.4 %	3.2 %	2.9 %	1.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.6518 ppm	-0.0001 ppm	11.8057 ppm	0.0010 ppm	-0.0014 ppm	-0.0014 ppm	0.0005 ppm
Concentration per Run 1	0.6306 ppm	-0.0002 ppm	11.2255 ppm	0.0010 ppm	-0.0010 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 2	0.6557 ppm	0.0000 ppm	11.9323 ppm	0.0010 ppm	-0.0015 ppm	-0.0018 ppm	-0.0009 ppm
Concentration per Run 3	0.6692 ppm	-0.0002 ppm	12.2593 ppm	0.0010 ppm	-0.0018 ppm	-0.0013 ppm	0.0017 ppm
Concentration RSD	3.0 %	77.9 %	4.5 %	2.4 %	29.7 %	27.3 %	246.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.4548 ppm	0.0004 ppm	0.0114 ppm	0.0003 ppm	-0.0010 ppm	0.0012 ppm	0.0645 ppm
Concentration per Run 1	3.4677 ppm	0.0003 ppm	0.0109 ppm	0.0004 ppm	-0.0013 ppm	0.0011 ppm	0.0647 ppm
Concentration per Run 2	3.4338 ppm	0.0003 ppm	0.0115 ppm	0.0001 ppm	-0.0013 ppm	0.0012 ppm	0.0643 ppm
Concentration per Run 3	3.4629 ppm	0.0005 ppm	0.0118 ppm	0.0005 ppm	-0.0003 ppm	0.0013 ppm	0.0645 ppm
Concentration RSD	0.5 %	32.1 %	3.8 %	71.9 %	61.7 %	11.4 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.7476 %	97.9224 %	98.9157 %	112.9325 %	99.6592 %	102.7995 %	-0.0001 ppm
Concentration per Run 1	103.0071 %	97.0181 %	98.7912 %	116.0688 %	99.5840 %	102.1295 %	0.0001 ppm
Concentration per Run 2	100.7933 %	99.0583 %	99.2389 %	112.3162 %	100.0714 %	104.1128 %	-0.0002 ppm
Concentration per Run 3	101.4424 %	97.6907 %	98.7168 %	110.4126 %	99.3223 %	102.1561 %	-0.0003 ppm
Concentration RSD	1.1 %	1.1 %	0.3 %	2.5 %	0.4 %	1.1 %	144.4 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-04 WG2036575
Analysis started at: 3/10/2025 7:52:48 PM
Rack: 1
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0251 ppm	-0.0008 ppm	0.1272 ppm	0.0201 ppm	0.0002 ppm	77.7286 ppm
Concentration per Run 1	0.0006 ppm	0.0190 ppm	-0.0003 ppm	0.1283 ppm	0.0198 ppm	0.0002 ppm	77.1710 ppm
Concentration per Run 2	0.0005 ppm	0.0261 ppm	-0.0010 ppm	0.1269 ppm	0.0202 ppm	0.0002 ppm	78.2856 ppm
Concentration per Run 3	0.0007 ppm	0.0300 ppm	-0.0012 ppm	0.1265 ppm	0.0202 ppm	0.0002 ppm	77.7293 ppm
Concentration RSD	21.7 %	22.2 %	54.4 %	0.7 %	1.1 %	8.6 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0129 ppm	0.0010 ppm	0.0010 ppm	8.4382 ppm	2.5202 ppm	8.9135 ppm
Concentration per Run 1	-0.0001 ppm	0.0131 ppm	0.0011 ppm	0.0008 ppm	8.3349 ppm	2.4807 ppm	8.9292 ppm
Concentration per Run 2	0.0000 ppm	0.0128 ppm	0.0009 ppm	0.0010 ppm	8.4966 ppm	2.5550 ppm	8.8853 ppm
Concentration per Run 3	-0.0001 ppm	0.0127 ppm	0.0011 ppm	0.0010 ppm	8.4829 ppm	2.5249 ppm	8.9260 ppm
Concentration RSD	24.9 %	1.6 %	13.1 %	13.3 %	1.1 %	1.5 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	10.9187 ppm	0.0028 ppm	28.3034 ppm	0.0053 ppm	-0.0067 ppm	-0.0007 ppm	-0.0029 ppm
Concentration per Run 1	10.8366 ppm	0.0028 ppm	28.0953 ppm	0.0054 ppm	-0.0073 ppm	-0.0011 ppm	-0.0045 ppm
Concentration per Run 2	10.9895 ppm	0.0027 ppm	28.3768 ppm	0.0054 ppm	-0.0058 ppm	-0.0001 ppm	-0.0033 ppm
Concentration per Run 3	10.9299 ppm	0.0029 ppm	28.4380 ppm	0.0052 ppm	-0.0071 ppm	-0.0007 ppm	-0.0011 ppm
Concentration RSD	0.7 %	3.3 %	0.6 %	2.0 %	11.6 %	73.3 %	58.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	11.7998 [SIC 200]	0.0002 ppm	0.1984 ppm	0.0010 ppm	-0.0065 ppm	0.0200 ppm	0.0019 ppm
Concentration per Run 1	12.0521 ppm	-0.0002 ppm	0.1971 ppm	0.0009 ppm	-0.0083 ppm	0.0204 ppm	0.0020 ppm
Concentration per Run 2	11.7433 ppm	0.0005 ppm	0.1994 ppm	0.0011 ppm	-0.0061 ppm	0.0198 ppm	0.0020 ppm
Concentration per Run 3	11.6040 ppm	0.0003 ppm	0.1988 ppm	0.0008 ppm	-0.0052 ppm	0.0199 ppm	0.0018 ppm
Concentration RSD	1.9 %	159.5 %	0.6 %	15.7 %	25.1 %	1.5 %	6.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.7095 %	93.0484 %	93.5920 %	100.9234 %	90.2695 %	98.0493 %	0.0436 ppm
Concentration per Run 1	102.0220 %	92.8010 %	93.0952 %	101.7780 %	88.5237 %	97.8042 %	0.0431 ppm
Concentration per Run 2	98.0892 %	93.4337 %	93.7111 %	99.9664 %	90.6528 %	98.4247 %	0.0441 ppm
Concentration per Run 3	99.0173 %	92.9105 %	93.9699 %	101.0257 %	91.6321 %	97.9191 %	0.0435 ppm
Concentration RSD	2.1 %	0.4 %	0.5 %	0.9 %	1.8 %	0.3 %	1.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-05 WG2036575
Analysis started at: 3/10/2025 7:59:18 PM
Rack: 1
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0434 ppm	0.0044 ppm	0.0615 ppm	0.0317 ppm	0.0002 ppm	33.8821 ppm
Concentration per Run 1	0.0000 ppm	0.0463 ppm	0.0043 ppm	0.0613 ppm	0.0310 ppm	0.0002 ppm	33.3880 ppm
Concentration per Run 2	-0.0001 ppm	0.0368 ppm	0.0045 ppm	0.0616 ppm	0.0320 ppm	0.0002 ppm	34.2944 ppm
Concentration per Run 3	0.0004 ppm	0.0470 ppm	0.0044 ppm	0.0614 ppm	0.0320 ppm	0.0002 ppm	33.9640 ppm
Concentration RSD	210.9 %	13.1 %	2.4 %	0.2 %	1.8 %	5.9 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0071 ppm	0.0004 ppm	0.0008 ppm	37.0231 ppm	4.5663 ppm	5.3722 ppm
Concentration per Run 1	0.0000 ppm	0.0070 ppm	0.0004 ppm	0.0008 ppm	36.3975 ppm	4.4552 ppm	5.3658 ppm
Concentration per Run 2	0.0000 ppm	0.0072 ppm	0.0002 ppm	0.0008 ppm	37.4215 ppm	4.6099 ppm	5.4128 ppm
Concentration per Run 3	0.0000 ppm	0.0069 ppm	0.0005 ppm	0.0007 ppm	37.2503 ppm	4.6339 ppm	5.3381 ppm
Concentration RSD	88.0 %	2.0 %	32.2 %	5.8 %	1.5 %	2.1 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	3.0729 ppm	-0.0004 ppm	24.5843 ppm	-0.0016 ppm	-0.0032 ppm	-0.0012 ppm	0.0009 ppm
Concentration per Run 1	3.0273 ppm	-0.0004 ppm	24.2374 ppm	-0.0016 ppm	-0.0026 ppm	-0.0011 ppm	0.0024 ppm
Concentration per Run 2	3.1045 ppm	-0.0002 ppm	24.6297 ppm	-0.0016 ppm	-0.0041 ppm	-0.0008 ppm	0.0008 ppm
Concentration per Run 3	3.0869 ppm	-0.0004 ppm	24.8860 ppm	-0.0016 ppm	-0.0030 ppm	-0.0019 ppm	-0.0006 ppm
Concentration RSD	1.3 %	34.1 %	1.3 %	1.0 %	23.2 %	46.0 %	170.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.4601 ppm	0.0002 ppm	0.0805 ppm	0.0006 ppm	-0.0025 ppm	0.0065 ppm	-0.0006 ppm
Concentration per Run 1	7.4199 ppm	-0.0001 ppm	0.0792 ppm	0.0008 ppm	-0.0023 ppm	0.0065 ppm	-0.0007 ppm
Concentration per Run 2	7.5190 ppm	0.0006 ppm	0.0811 ppm	0.0004 ppm	-0.0026 ppm	0.0066 ppm	-0.0006 ppm
Concentration per Run 3	7.4416 ppm	0.0000 ppm	0.0813 ppm	0.0005 ppm	-0.0026 ppm	0.0064 ppm	-0.0006 ppm
Concentration RSD	0.7 %	224.9 %	1.4 %	36.6 %	7.3 %	1.6 %	8.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	101.9907 %	95.5980 %	95.7860 %	106.3374 %	95.0857 %	100.0539 %	0.0059 ppm
Concentration per Run 1	104.0298 %	95.8176 %	95.9787 %	107.8412 %	95.4625 %	100.2978 %	0.0056 ppm
Concentration per Run 2	100.4070 %	95.2358 %	95.1423 %	105.0717 %	94.3938 %	99.6968 %	0.0061 ppm
Concentration per Run 3	101.5354 %	95.7407 %	96.2371 %	106.0994 %	95.4009 %	100.1672 %	0.0059 ppm
Concentration RSD	1.8 %	0.3 %	0.6 %	1.3 %	0.6 %	0.3 %	4.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/10/2025 8:05:49 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5005 ppm	0.5036 ppm	0.4718 ppm	0.4847 ppm	0.4914 ppm	0.5096 ppm	0.5200 ppm
Concentration per Run 1	0.5017 ppm	0.4894 ppm	0.4755 ppm	0.4864 ppm	0.4836 ppm	0.4926 ppm	0.5007 ppm
Concentration per Run 2	0.4991 ppm	0.5081 ppm	0.4683 ppm	0.4830 ppm	0.4959 ppm	0.5162 ppm	0.5335 ppm
Concentration per Run 3	0.5006 ppm	0.5132 ppm	0.4714 ppm	0.4847 ppm	0.4948 ppm	0.5201 ppm	0.5258 ppm
Recovery Percentage 1	100.098 %	100.713 %	94.351 %	96.939 %	98.283 %	101.927 %	104.001 %
Concentration RSD	0.3 %	2.5 %	0.8 %	0.4 %	1.4 %	2.9 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4846 ppm	0.4836 ppm	0.4915 ppm	0.4805 ppm	0.5259 ppm	5.1224 ppm	0.5059 ppm
Concentration per Run 1	0.4860 ppm	0.4855 ppm	0.4937 ppm	0.4808 ppm	0.5060 ppm	5.0224 ppm	0.5070 ppm
Concentration per Run 2	0.4825 ppm	0.4814 ppm	0.4916 ppm	0.4796 ppm	0.5332 ppm	5.1939 ppm	0.5045 ppm
Concentration per Run 3	0.4854 ppm	0.4840 ppm	0.4893 ppm	0.4811 ppm	0.5387 ppm	5.1508 ppm	0.5063 ppm
Recovery Percentage 1	96.925 %	96.727 %	98.303 %	96.098 %	105.187 %	102.448 %	101.187 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.2 %	3.3 %	1.7 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5026 ppm	0.4821 ppm	10.0459 ppm	0.4926 ppm	0.4954 ppm	0.4823 ppm	0.4723 ppm
Concentration per Run 1	0.4866 ppm	0.4841 ppm	9.7576 ppm	0.4946 ppm	0.4973 ppm	0.4848 ppm	0.4737 ppm
Concentration per Run 2	0.5082 ppm	0.4797 ppm	10.1548 ppm	0.4902 ppm	0.4927 ppm	0.4799 ppm	0.4701 ppm
Concentration per Run 3	0.5129 ppm	0.4824 ppm	10.2252 ppm	0.4930 ppm	0.4962 ppm	0.4821 ppm	0.4730 ppm
Recovery Percentage 1	100.514 %	96.418 %	100.459 %	98.520 %	99.083 %	96.457 %	94.458 %
Concentration RSD	2.8 %	0.5 %	2.5 %	0.4 %	0.5 %	0.5 %	0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.4178 ppm	0.4913 ppm	0.4915 ppm	0.4846 ppm	0.4916 ppm	0.4732 ppm	0.4844 ppm
Concentration per Run 1	5.4526 ppm	0.4926 ppm	0.4759 ppm	0.4862 ppm	0.4933 ppm	0.4777 ppm	0.4851 ppm
Concentration per Run 2	5.3870 ppm	0.4894 ppm	0.4979 ppm	0.4842 ppm	0.4899 ppm	0.4700 ppm	0.4828 ppm
Concentration per Run 3	5.4138 ppm	0.4918 ppm	0.5008 ppm	0.4834 ppm	0.4914 ppm	0.4719 ppm	0.4854 ppm
Recovery Percentage 1	103.196 %	98.253 %	98.309 %	96.918 %	98.314 %	94.636 %	96.889 %
Concentration RSD	0.6 %	0.3 %	2.8 %	0.3 %	0.3 %	0.8 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.6293 %	96.7830 %	98.6036 %	104.1130 %	97.4588 %	100.7466 %	0.4973 ppm
Concentration per Run 1	100.4378 %	96.4156 %	98.2710 %	107.5978 %	96.7526 %	100.4040 %	0.4824 ppm
Concentration per Run 2	97.6423 %	97.0091 %	99.2029 %	102.7296 %	98.2518 %	100.9857 %	0.5050 ppm
Concentration per Run 3	97.8076 %	96.9244 %	98.3368 %	102.0117 %	97.3718 %	100.8503 %	0.5044 ppm
Recovery Percentage 1							99.454 %
Concentration RSD	1.6 %	0.3 %	0.5 %	2.9 %	0.8 %	0.3 %	2.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/10/2025 8:16:14 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0044 ppm	0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0037 ppm	0.0001 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0025 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 3	0.0000 ppm	-0.0069 ppm	0.0004 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	-0.0028 ppm
Recovery Percentage 1	-1.360 %	-4.359 %	1.767 %	2.942 %	-0.191 %	-0.339 %	-0.647 %
Concentration RSD	91.2 %	51.6 %	312.6 %	27.6 %	20.1 %	228.6 %	406.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm	-0.1088 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0012 ppm	-0.0993 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	-0.1197 ppm	-0.0027 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.1075 ppm	-0.0011 ppm
Recovery Percentage 1	0.012 %	-0.293 %	1.619 %	-1.606 %	1.108 %	-4.353 %	-1.046 %
Concentration RSD	4,717.6 %	140.3 %	108.9 %	88.4 %	155.2 %	9.4 %	161.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0003 ppm	-0.1224 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.1289 ppm	-0.0002 ppm	0.0003 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0004 ppm	-0.1215 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0019 ppm
Concentration per Run 3	0.0002 ppm	0.0002 ppm	-0.1169 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0022 ppm
Recovery Percentage 1	0.977 %	0.528 %	-6.122 %	-0.415 %	0.264 %	-0.448 %	14.930 %
Concentration RSD	103.6 %	38.3 %	5.0 %	100.4 %	1,161.8 %	303.2 %	65.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0019 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 1	0.0017 ppm	0.0005 ppm	-0.0001 ppm	-0.0003 ppm	-0.0007 ppm	-0.0003 ppm	-0.0011 ppm
Concentration per Run 2	0.0022 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 3	0.0019 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0012 ppm
Recovery Percentage 1	0.382 %	0.747 %	-0.024 %	-0.360 %	-2.598 %	-1.271 %	-23.261 %
Concentration RSD	13.4 %	129.8 %	2,552.2 %	544.1 %	54.9 %	90.7 %	2.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.3657 %	97.8009 %	99.3685 %	108.7340 %	100.8934 %	101.2934 %	-0.0007 ppm
Concentration per Run 1	99.6704 %	97.4405 %	98.1636 %	115.1192 %	99.9573 %	100.5576 %	-0.0010 ppm
Concentration per Run 2	96.4110 %	97.4481 %	100.2351 %	107.2508 %	101.2818 %	100.4876 %	-0.0016 ppm
Concentration per Run 3	96.0156 %	98.5142 %	99.7067 %	103.8320 %	101.4411 %	102.8350 %	0.0005 ppm
Recovery Percentage 1							-7.036 %
Concentration RSD	2.1 %	0.6 %	1.1 %	5.3 %	0.8 %	1.3 %	153.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2037096-3 WG2037096 Q1 Soil LOQ As Zn
Analysis started at: 3/10/2025 8:26:49 PM
Rack: 1
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0050 ppm	0.0082 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0505 ppm
Concentration per Run 1	-0.0001 ppm	0.0046 ppm	0.0082 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0468 ppm
Concentration per Run 2	-0.0001 ppm	0.0066 ppm	0.0076 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0495 ppm
Concentration per Run 3	0.0000 ppm	0.0040 ppm	0.0086 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	0.0554 ppm
Concentration RSD	28.0 %	27.4 %	6.4 %	3.3 %	16.3 %	73.4 %	8.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0012 ppm	0.0208 ppm	-0.0471 ppm	0.0059 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0012 ppm	0.0193 ppm	-0.0556 ppm	0.0040 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0012 ppm	0.0219 ppm	-0.0284 ppm	0.0077 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0212 ppm	-0.0574 ppm	0.0000 ppm
Concentration RSD	49.8 %	18.5 %	72.2 %	2.1 %	6.4 %	34.5 %	44.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0004 ppm	-0.0833 ppm	0.0003 ppm	-0.0006 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 1	0.0005 ppm	0.0004 ppm	-0.0814 ppm	0.0004 ppm	-0.0006 ppm	0.0014 ppm	0.0017 ppm
Concentration per Run 2	0.0006 ppm	0.0004 ppm	-0.0863 ppm	0.0002 ppm	-0.0008 ppm	0.0015 ppm	-0.0006 ppm
Concentration per Run 3	0.0002 ppm	0.0003 ppm	-0.0821 ppm	0.0001 ppm	-0.0005 ppm	0.0002 ppm	-0.0005 ppm
Concentration RSD	56.5 %	14.2 %	3.1 %	58.4 %	22.7 %	73.7 %	730.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0156 ppm	0.0104 ppm	0.0002 ppm	0.0002 ppm	-0.0018 ppm	-0.0002 ppm	0.0483 ppm
Concentration per Run 1	0.0158 ppm	0.0109 ppm	0.0002 ppm	0.0001 ppm	-0.0017 ppm	0.0000 ppm	0.0489 ppm
Concentration per Run 2	0.0154 ppm	0.0102 ppm	0.0001 ppm	0.0003 ppm	-0.0017 ppm	-0.0001 ppm	0.0478 ppm
Concentration per Run 3	0.0155 ppm	0.0101 ppm	0.0002 ppm	0.0000 ppm	-0.0021 ppm	-0.0003 ppm	0.0483 ppm
Concentration RSD	1.1 %	4.3 %	29.2 %	50.7 %	12.7 %	88.4 %	1.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.0162 %	97.6466 %	100.0033 %	103.6998 %	97.7328 %	100.6724 %	-0.0002 ppm
Concentration per Run 1	99.3370 %	98.5974 %	98.6508 %	107.6966 %	96.1511 %	100.5310 %	-0.0003 ppm
Concentration per Run 2	98.1855 %	98.8350 %	100.7356 %	103.4100 %	98.8528 %	100.8139 %	-0.0007 ppm
Concentration per Run 3	96.5260 %	95.5075 %	100.6236 %	99.9926 %	98.1945 %	0.0000 %	0.0004 ppm
Concentration RSD	1.4 %	1.9 %	1.2 %	3.7 %	1.4 %	0.2 %	302.3 %

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Sample: L2511436-07 WG2036575
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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	1.6220 ppm	-0.0009 ppm	0.0020 ppm	0.0119 ppm	0.0000 ppm	123.8038 ppm
Concentration per Run 1	-0.0002 ppm	1.5916 ppm	-0.0015 ppm	0.0021 ppm	0.0116 ppm	-0.0001 ppm	121.9308 ppm
Concentration per Run 2	0.0000 ppm	1.6417 ppm	-0.0006 ppm	0.0021 ppm	0.0121 ppm	0.0000 ppm	124.9636 ppm
Concentration per Run 3	-0.0002 ppm	1.6328 ppm	-0.0006 ppm	0.0020 ppm	0.0121 ppm	0.0000 ppm	124.5169 ppm
Concentration RSD	63.1 %	1.6 %	57.6 %	2.4 %	2.4 %	119.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0002 ppm	-0.0002 ppm	0.0074 ppm	0.0011 ppm	0.0504 ppm	1.1250 ppm	0.0245 ppm
Concentration per Run 1	-0.0002 ppm	-0.0002 ppm	0.0074 ppm	0.0010 ppm	0.0481 ppm	1.0933 ppm	0.0243 ppm
Concentration per Run 2	-0.0002 ppm	-0.0001 ppm	0.0076 ppm	0.0011 ppm	0.0530 ppm	1.1188 ppm	0.0241 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0070 ppm	0.0012 ppm	0.0501 ppm	1.1631 ppm	0.0251 ppm
Concentration RSD	5.1 %	47.4 %	4.0 %	8.5 %	4.9 %	3.1 %	2.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0007 ppm	0.0106 ppm	14.7097 ppm	0.0000 ppm	-0.0012 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 1	0.0006 ppm	0.0105 ppm	14.4813 ppm	-0.0001 ppm	-0.0014 ppm	0.0002 ppm	0.0016 ppm
Concentration per Run 2	0.0007 ppm	0.0107 ppm	14.8303 ppm	-0.0001 ppm	-0.0010 ppm	-0.0007 ppm	-0.0005 ppm
Concentration per Run 3	0.0008 ppm	0.0106 ppm	14.8175 ppm	0.0001 ppm	-0.0013 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	15.1 %	0.9 %	1.3 %	353.2 %	16.5 %	201.8 %	360.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.9838 ppm	0.0003 ppm	0.1131 ppm	0.0017 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	2.9893 ppm	0.0005 ppm	0.1114 ppm	0.0021 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	2.9794 ppm	0.0003 ppm	0.1139 ppm	0.0014 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	2.9826 ppm	0.0003 ppm	0.1139 ppm	0.0017 ppm	-0.0007 ppm	0.0005 ppm	0.0002 ppm
Concentration RSD	0.2 %	38.1 %	1.3 %	20.0 %	379.8 %	61.8 %	89.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.3684 %	95.6055 %	96.2100 %	98.3726 %	94.3657 %	96.3745 %	0.0182 ppm
Concentration per Run 1	103.4619 %	95.8901 %	96.1774 %	99.8974 %	94.3792 %	96.5649 %	0.0181 ppm
Concentration per Run 2	99.0832 %	95.4080 %	96.4968 %	97.5658 %	94.5552 %	96.1943 %	0.0175 ppm
Concentration per Run 3	98.5601 %	95.5184 %	95.9556 %	97.6546 %	94.1627 %	96.3643 %	0.0189 ppm
Concentration RSD	2.7 %	0.3 %	0.3 %	1.3 %	0.2 %	0.2 %	3.9 %

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Sample: L2511436-08 WG2036575
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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.9983 ppm	0.0007 ppm	0.0833 ppm	0.3386 ppm	0.0001 ppm	45.8326 ppm
Concentration per Run 1	0.0001 ppm	0.9763 ppm	0.0014 ppm	0.0823 ppm	0.3288 ppm	0.0000 ppm	44.5305 ppm
Concentration per Run 2	0.0002 ppm	1.0032 ppm	-0.0002 ppm	0.0830 ppm	0.3431 ppm	0.0001 ppm	46.2637 ppm
Concentration per Run 3	0.0004 ppm	1.0153 ppm	0.0011 ppm	0.0846 ppm	0.3439 ppm	0.0001 ppm	46.7036 ppm
Concentration RSD	64.3 %	2.0 %	113.1 %	1.4 %	2.5 %	48.4 %	2.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0014 ppm	0.0016 ppm	0.0017 ppm	35.8597 ppm	6.1778 ppm	4.4253 ppm
Concentration per Run 1	0.0000 ppm	0.0015 ppm	0.0017 ppm	0.0016 ppm	34.7625 ppm	6.0852 ppm	4.4125 ppm
Concentration per Run 2	0.0000 ppm	0.0014 ppm	0.0018 ppm	0.0018 ppm	36.1392 ppm	6.2211 ppm	4.4483 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0015 ppm	0.0016 ppm	36.6772 ppm	6.2270 ppm	4.4150 ppm
Concentration RSD	414.5 %	7.8 %	6.7 %	7.8 %	2.8 %	1.3 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.8859 ppm	-0.0004 ppm	7.7600 ppm	0.0047 ppm	-0.0024 ppm	-0.0003 ppm	0.0007 ppm
Concentration per Run 1	0.8616 ppm	-0.0004 ppm	7.6396 ppm	0.0047 ppm	-0.0025 ppm	-0.0005 ppm	-0.0008 ppm
Concentration per Run 2	0.8916 ppm	-0.0004 ppm	7.7598 ppm	0.0045 ppm	-0.0025 ppm	-0.0004 ppm	0.0023 ppm
Concentration per Run 3	0.9044 ppm	-0.0004 ppm	7.8806 ppm	0.0049 ppm	-0.0022 ppm	-0.0001 ppm	0.0005 ppm
Concentration RSD	2.5 %	2.9 %	1.6 %	3.7 %	6.5 %	69.7 %	236.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.8665 ppm	0.0007 ppm	0.0815 ppm	0.0051 ppm	-0.0022 ppm	0.0170 ppm	0.1224 ppm
Concentration per Run 1	5.8520 ppm	0.0008 ppm	0.0793 ppm	0.0050 ppm	-0.0023 ppm	0.0169 ppm	0.1220 ppm
Concentration per Run 2	5.8390 ppm	0.0004 ppm	0.0820 ppm	0.0050 ppm	-0.0021 ppm	0.0169 ppm	0.1214 ppm
Concentration per Run 3	5.9085 ppm	0.0009 ppm	0.0831 ppm	0.0053 ppm	-0.0023 ppm	0.0172 ppm	0.1237 ppm
Concentration RSD	0.6 %	37.2 %	2.4 %	4.0 %	4.8 %	1.0 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	104.6163 %	99.1796 %	97.8487 %	108.2280 %	98.1751 %	99.9631 %	0.0003 ppm
Concentration per Run 1	108.0311 %	99.2420 %	98.1522 %	111.2160 %	98.2880 %	100.1067 %	0.0003 ppm
Concentration per Run 2	103.1519 %	98.8918 %	98.0685 %	107.4963 %	98.6077 %	99.7435 %	0.0001 ppm
Concentration per Run 3	102.6658 %	99.4049 %	97.3254 %	105.9716 %	97.6297 %	100.0392 %	0.0006 ppm
Concentration RSD	2.8 %	0.3 %	0.5 %	2.5 %	0.5 %	0.2 %	65.6 %

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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.1958 ppm	0.0017 ppm	0.0541 ppm	0.0909 ppm	0.0000 ppm	34.5643 ppm
Concentration per Run 1	0.0001 ppm	0.1932 ppm	0.0017 ppm	0.0539 ppm	0.0883 ppm	0.0001 ppm	33.7977 ppm
Concentration per Run 2	-0.0001 ppm	0.1941 ppm	0.0022 ppm	0.0543 ppm	0.0922 ppm	0.0000 ppm	34.8621 ppm
Concentration per Run 3	0.0001 ppm	0.2001 ppm	0.0012 ppm	0.0540 ppm	0.0924 ppm	0.0000 ppm	35.0330 ppm
Concentration RSD	255.3 %	1.9 %	31.0 %	0.3 %	2.5 %	105.0 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0043 ppm	0.0009 ppm	0.0012 ppm	13.1876 ppm	29.4570 ppm	17.4608 ppm
Concentration per Run 1	0.0000 ppm	0.0043 ppm	0.0010 ppm	0.0010 ppm	12.8572 ppm	28.7367 ppm	17.0564 ppm
Concentration per Run 2	0.0000 ppm	0.0044 ppm	0.0007 ppm	0.0010 ppm	13.3117 ppm	29.8299 ppm	17.3970 ppm
Concentration per Run 3	0.0000 ppm	0.0042 ppm	0.0011 ppm	0.0015 ppm	13.3940 ppm	29.8044 ppm	17.9290 ppm
Concentration RSD	213.9 %	1.8 %	19.8 %	21.9 %	2.2 %	2.1 %	2.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	9.7858 ppm	0.0019 ppm	49.1280 ppm	0.0006 ppm	-0.0021 ppm	-0.0006 ppm	-0.0029 ppm
Concentration per Run 1	9.5928 ppm	0.0020 ppm	48.4691 ppm	0.0008 ppm	-0.0021 ppm	-0.0006 ppm	-0.0024 ppm
Concentration per Run 2	9.8680 ppm	0.0020 ppm	49.5515 ppm	0.0003 ppm	-0.0015 ppm	-0.0002 ppm	-0.0037 ppm
Concentration per Run 3	9.8966 ppm	0.0019 ppm	49.3633 ppm	0.0006 ppm	-0.0026 ppm	-0.0009 ppm	-0.0027 ppm
Concentration RSD	1.7 %	1.1 %	1.2 %	43.8 %	25.7 %	54.6 %	24.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.5435 ppm	0.0003 ppm	0.1709 ppm	0.0081 ppm	-0.0055 ppm	0.0180 ppm	0.0070 ppm
Concentration per Run 1	4.5619 ppm	-0.0002 ppm	0.1684 ppm	0.0078 ppm	-0.0052 ppm	0.0182 ppm	0.0072 ppm
Concentration per Run 2	4.5337 ppm	0.0002 ppm	0.1722 ppm	0.0079 ppm	-0.0051 ppm	0.0180 ppm	0.0069 ppm
Concentration per Run 3	4.5349 ppm	0.0010 ppm	0.1720 ppm	0.0087 ppm	-0.0062 ppm	0.0178 ppm	0.0070 ppm
Concentration RSD	0.4 %	177.4 %	1.2 %	6.3 %	11.0 %	1.2 %	1.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	103.5727 %	98.1852 %	98.6489 %	102.6069 %	95.4127 %	97.1870 %	0.0017 ppm
Concentration per Run 1	107.2873 %	98.7939 %	98.7553 %	104.9993 %	94.9321 %	99.2697 %	0.0010 ppm
Concentration per Run 2	102.3657 %	97.6739 %	98.6984 %	101.8076 %	95.6131 %	97.7658 %	0.0022 ppm
Concentration per Run 3	101.0652 %	98.0877 %	98.4930 %	101.0137 %	95.6929 %	94.5253 %	0.0018 ppm
Concentration RSD	3.2 %	0.6 %	0.1 %	2.1 %	0.4 %	2.5 %	39.5 %

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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.2516 ppm	-0.0001 ppm	0.0117 ppm	0.0213 ppm	0.0000 ppm	28.3537 ppm
Concentration per Run 1	0.0001 ppm	0.2476 ppm	0.0005 ppm	0.0117 ppm	0.0206 ppm	0.0000 ppm	27.8279 ppm
Concentration per Run 2	-0.0001 ppm	0.2546 ppm	-0.0007 ppm	0.0115 ppm	0.0216 ppm	0.0000 ppm	28.7842 ppm
Concentration per Run 3	-0.0001 ppm	0.2525 ppm	0.0000 ppm	0.0121 ppm	0.0217 ppm	0.0000 ppm	28.4489 ppm
Concentration RSD	468.5 %	1.4 %	695.3 %	2.6 %	2.8 %	17.8 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0035 ppm	0.3010 ppm	5.3092 ppm	2.6936 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0037 ppm	0.2973 ppm	5.1562 ppm	2.6998 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0033 ppm	0.3034 ppm	5.3339 ppm	2.6906 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0034 ppm	0.3023 ppm	5.4375 ppm	2.6904 ppm
Concentration RSD	146.7 %	34.5 %	64.3 %	5.7 %	1.1 %	2.7 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1020 ppm	0.0005 ppm	44.7079 ppm	0.0011 ppm	-0.0012 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0998 ppm	0.0006 ppm	44.3067 ppm	0.0013 ppm	-0.0016 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.1035 ppm	0.0005 ppm	44.6632 ppm	0.0010 ppm	-0.0009 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run 3	0.1028 ppm	0.0005 ppm	45.1538 ppm	0.0011 ppm	-0.0011 ppm	0.0006 ppm	-0.0003 ppm
Concentration RSD	1.9 %	12.2 %	1.0 %	10.4 %	28.9 %	321.5 %	202.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.0676 ppm	0.0003 ppm	0.1026 ppm	0.0103 ppm	-0.0008 ppm	0.0008 ppm	0.3828 ppm
Concentration per Run 1	4.0903 ppm	0.0003 ppm	0.1013 ppm	0.0105 ppm	-0.0006 ppm	0.0007 ppm	0.3836 ppm
Concentration per Run 2	4.0418 ppm	0.0003 ppm	0.1031 ppm	0.0102 ppm	-0.0006 ppm	0.0009 ppm	0.3810 ppm
Concentration per Run 3	4.0708 ppm	0.0003 ppm	0.1035 ppm	0.0103 ppm	-0.0014 ppm	0.0007 ppm	0.3838 ppm
Concentration RSD	0.6 %	10.0 %	1.1 %	1.4 %	51.8 %	14.3 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	102.9694 %	100.0440 %	100.4256 %	99.1598 %	98.4393 %	98.8243 %	-0.0004 ppm
Concentration per Run 1	106.3024 %	99.7338 %	100.1919 %	100.5862 %	97.9757 %	98.4652 %	-0.0007 ppm
Concentration per Run 2	100.8038 %	100.2247 %	100.6873 %	97.5957 %	99.0746 %	98.9832 %	-0.0011 ppm
Concentration per Run 3	101.8021 %	100.1736 %	100.3977 %	99.2975 %	98.2675 %	99.0244 %	0.0006 ppm
Concentration RSD	2.8 %	0.3 %	0.2 %	1.5 %	0.6 %	0.3 %	215.0 %

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	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.2349 ppm	0.0008 ppm	0.0137 ppm	0.0401 ppm	0.0005 ppm	6.2304 ppm
Concentration per Run 1	0.0000 ppm	0.2300 ppm	0.0004 ppm	0.0140 ppm	0.0388 ppm	0.0005 ppm	6.1404 ppm
Concentration per Run 2	-0.0003 ppm	0.2374 ppm	0.0009 ppm	0.0135 ppm	0.0406 ppm	0.0004 ppm	6.2840 ppm
Concentration per Run 3	-0.0002 ppm	0.2371 ppm	0.0011 ppm	0.0137 ppm	0.0408 ppm	0.0004 ppm	6.2667 ppm
Concentration RSD	66.1 %	1.8 %	42.3 %	2.1 %	2.8 %	3.4 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0831 ppm	2.9017 ppm	1.0340 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0802 ppm	2.8028 ppm	1.0383 ppm
Concentration per Run 2	0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0847 ppm	2.9437 ppm	1.0307 ppm
Concentration per Run 3	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0844 ppm	2.9588 ppm	1.0330 ppm
Concentration RSD	1.3 %	24.6 %	95.2 %	12.8 %	3.0 %	3.0 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1976 ppm	0.0000 ppm	60.4175 ppm	0.0000 ppm	-0.0013 ppm	0.0001 ppm	-0.0011 ppm
Concentration per Run 1	0.1943 ppm	0.0000 ppm	59.6428 ppm	0.0001 ppm	-0.0008 ppm	-0.0007 ppm	0.0010 ppm
Concentration per Run 2	0.1992 ppm	0.0000 ppm	60.9710 ppm	-0.0002 ppm	-0.0014 ppm	0.0010 ppm	-0.0019 ppm
Concentration per Run 3	0.1994 ppm	0.0000 ppm	60.6386 ppm	-0.0001 ppm	-0.0017 ppm	0.0000 ppm	-0.0025 ppm
Concentration RSD	1.5 %	881.0 %	1.1 %	307.2 %	33.5 %	1,112.1 %	169.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.6907 ppm	0.0004 ppm	0.0501 ppm	0.0038 ppm	-0.0002 ppm	0.0003 ppm	0.0501 ppm
Concentration per Run 1	3.7161 ppm	0.0002 ppm	0.0492 ppm	0.0038 ppm	-0.0006 ppm	0.0002 ppm	0.0505 ppm
Concentration per Run 2	3.6743 ppm	0.0008 ppm	0.0506 ppm	0.0034 ppm	0.0000 ppm	0.0005 ppm	0.0497 ppm
Concentration per Run 3	3.6817 ppm	0.0002 ppm	0.0504 ppm	0.0042 ppm	0.0001 ppm	0.0003 ppm	0.0501 ppm
Concentration RSD	0.6 %	89.0 %	1.6 %	10.9 %	232.6 %	50.3 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	112.2299 %	110.3556 %	111.4927 %	97.8615 %	98.9835 %	98.2509 %	-0.0003 ppm
Concentration per Run 1	115.6486 %	110.3130 %	111.2348 %	99.1506 %	98.4255 %	98.1026 %	-0.0009 ppm
Concentration per Run 2	110.7191 %	110.3616 %	111.7314 %	97.1785 %	99.3468 %	98.3181 %	-0.0006 ppm
Concentration per Run 3	110.3219 %	110.3920 %	111.5121 %	97.2555 %	99.1783 %	98.3320 %	0.0005 ppm
Concentration RSD	2.6 %	0.0 %	0.2 %	1.1 %	0.5 %	0.1 %	212.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-12 WG2036575
Analysis started at: 3/10/2025 9:06:05 PM
Rack: 1
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.0247 ppm	-0.0038 ppm	0.0534 ppm	0.1189 ppm	0.0001 ppm	40.1617 ppm
Concentration per Run 1	0.0007 ppm	0.0237 ppm	-0.0038 ppm	0.0536 ppm	0.1169 ppm	0.0002 ppm	39.8152 ppm
Concentration per Run 2	0.0008 ppm	0.0233 ppm	-0.0036 ppm	0.0535 ppm	0.1199 ppm	0.0001 ppm	40.2587 ppm
Concentration per Run 3	0.0008 ppm	0.0271 ppm	-0.0041 ppm	0.0532 ppm	0.1200 ppm	0.0001 ppm	40.4112 ppm
Concentration RSD	5.2 %	8.4 %	7.1 %	0.4 %	1.5 %	37.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0035 ppm	0.0028 ppm	0.0029 ppm	9.9446 ppm	21.4904 ppm	8.4422 ppm
Concentration per Run 1	-0.0001 ppm	0.0036 ppm	0.0029 ppm	0.0029 ppm	9.8046 ppm	21.0992 ppm	8.4586 ppm
Concentration per Run 2	0.0000 ppm	0.0035 ppm	0.0026 ppm	0.0030 ppm	9.9866 ppm	21.5999 ppm	8.4297 ppm
Concentration per Run 3	0.0000 ppm	0.0036 ppm	0.0029 ppm	0.0027 ppm	10.0426 ppm	21.7722 ppm	8.4383 ppm
Concentration RSD	291.9 %	1.4 %	5.0 %	5.6 %	1.3 %	1.6 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	30.9031 [SIC 20]	0.0022 ppm	25.4028 ppm	0.0011 ppm	-0.0026 ppm	-0.0002 ppm	-0.0075 ppm
Concentration per Run 1	30.1291 ppm	0.0023 ppm	25.0270 ppm	0.0013 ppm	-0.0028 ppm	0.0001 ppm	-0.0040 ppm
Concentration per Run 2	31.2930 ppm	0.0021 ppm	25.4949 ppm	0.0013 ppm	-0.0027 ppm	0.0006 ppm	-0.0077 ppm
Concentration per Run 3	31.2872 ppm	0.0023 ppm	25.6864 ppm	0.0008 ppm	-0.0024 ppm	-0.0014 ppm	-0.0109 ppm
Concentration RSD	2.2 %	6.0 %	1.3 %	23.4 %	7.3 %	465.7 %	45.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.0698 ppm	0.0002 ppm	0.2683 ppm	0.0011 ppm	-0.0148 ppm	0.0475 ppm	0.0014 ppm
Concentration per Run 1	3.1155 ppm	0.0002 ppm	0.2654 ppm	0.0013 ppm	-0.0141 ppm	0.0471 ppm	0.0013 ppm
Concentration per Run 2	3.0625 ppm	0.0003 ppm	0.2693 ppm	0.0010 ppm	-0.0150 ppm	0.0480 ppm	0.0015 ppm
Concentration per Run 3	3.0315 ppm	0.0002 ppm	0.2703 ppm	0.0011 ppm	-0.0151 ppm	0.0475 ppm	0.0015 ppm
Concentration RSD	1.4 %	26.8 %	1.0 %	13.1 %	3.7 %	0.9 %	6.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	103.2844 %	100.9576 %	101.7744 %	100.3690 %	95.0417 %	96.4170 %	-0.0001 ppm
Concentration per Run 1	104.5737 %	100.7842 %	101.0324 %	101.1262 %	93.6045 %	96.3339 %	0.0000 ppm
Concentration per Run 2	102.9605 %	101.2009 %	101.9672 %	100.2872 %	95.4966 %	96.5980 %	0.0002 ppm
Concentration per Run 3	102.3191 %	100.8877 %	102.3237 %	99.6936 %	96.0240 %	96.3190 %	-0.0003 ppm
Concentration RSD	1.1 %	0.2 %	0.7 %	0.7 %	1.3 %	0.2 %	400.7 %

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Sample: L2511436-13 WG2036575
Analysis started at: 3/10/2025 9:12:46 PM
Rack: 1
Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0996 ppm	0.0003 ppm	0.0169 ppm	0.0142 ppm	0.0001 ppm	7.1239 ppm
Concentration per Run 1	0.0001 ppm	0.0993 ppm	0.0009 ppm	0.0170 ppm	0.0136 ppm	0.0000 ppm	7.0419 ppm
Concentration per Run 2	-0.0001 ppm	0.1016 ppm	0.0001 ppm	0.0170 ppm	0.0144 ppm	0.0000 ppm	7.1694 ppm
Concentration per Run 3	-0.0002 ppm	0.0978 ppm	-0.0002 ppm	0.0166 ppm	0.0145 ppm	0.0001 ppm	7.1605 ppm
Concentration RSD	233.0 %	1.9 %	216.4 %	1.4 %	3.5 %	105.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0015 ppm	0.0004 ppm	0.1242 ppm	1.4619 ppm	1.1441 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0016 ppm	0.0004 ppm	0.1206 ppm	1.4108 ppm	1.1460 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0016 ppm	0.0005 ppm	0.1279 ppm	1.4840 ppm	1.1495 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0012 ppm	0.0002 ppm	0.1242 ppm	1.4908 ppm	1.1368 ppm
Concentration RSD	48.6 %	14.0 %	14.5 %	41.7 %	2.9 %	3.0 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0653 ppm	-0.0002 ppm	14.1048 ppm	0.0003 ppm	-0.0012 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.0646 ppm	-0.0002 ppm	13.8738 ppm	0.0001 ppm	-0.0012 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run 2	0.0656 ppm	-0.0002 ppm	14.3273 ppm	0.0004 ppm	-0.0011 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run 3	0.0658 ppm	-0.0002 ppm	14.1132 ppm	0.0003 ppm	-0.0012 ppm	-0.0005 ppm	0.0010 ppm
Concentration RSD	1.0 %	20.3 %	1.6 %	57.0 %	6.7 %	521.6 %	124.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.0912 ppm	0.0003 ppm	0.0231 ppm	0.0037 ppm	-0.0010 ppm	0.0002 ppm	0.0022 ppm
Concentration per Run 1	3.1049 ppm	0.0002 ppm	0.0227 ppm	0.0038 ppm	-0.0011 ppm	0.0003 ppm	0.0023 ppm
Concentration per Run 2	3.0918 ppm	0.0005 ppm	0.0234 ppm	0.0037 ppm	-0.0016 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 3	3.0768 ppm	0.0004 ppm	0.0231 ppm	0.0035 ppm	-0.0005 ppm	0.0001 ppm	0.0022 ppm
Concentration RSD	0.5 %	47.1 %	1.4 %	4.0 %	53.0 %	44.1 %	2.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	104.3123 %	102.1009 %	103.2929 %	99.0900 %	101.7324 %	99.2592 %	-0.0008 ppm
Concentration per Run 1	107.1526 %	102.0752 %	103.0834 %	100.0335 %	101.3209 %	99.0729 %	-0.0003 ppm
Concentration per Run 2	103.2713 %	101.7844 %	103.1390 %	98.7575 %	101.8602 %	99.0381 %	-0.0005 ppm
Concentration per Run 3	102.5130 %	102.4430 %	103.6563 %	98.4792 %	102.0162 %	99.6666 %	-0.0015 ppm
Concentration RSD	2.4 %	0.3 %	0.3 %	0.8 %	0.4 %	0.4 %	86.1 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-14 WG2036575
Analysis started at: 3/10/2025 9:19:21 PM
Rack: 1
Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0374 ppm	0.0033 ppm	0.0605 ppm	0.0308 ppm	0.0002 ppm	33.2562 ppm
Concentration per Run 1	-0.0001 ppm	0.0297 ppm	0.0027 ppm	0.0600 ppm	0.0295 ppm	0.0002 ppm	32.2059 ppm
Concentration per Run 2	-0.0003 ppm	0.0425 ppm	0.0030 ppm	0.0604 ppm	0.0315 ppm	0.0002 ppm	33.5476 ppm
Concentration per Run 3	0.0000 ppm	0.0399 ppm	0.0042 ppm	0.0612 ppm	0.0314 ppm	0.0002 ppm	34.0150 ppm
Concentration RSD	127.3 %	18.0 %	25.2 %	1.0 %	3.5 %	8.2 %	2.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0072 ppm	0.0003 ppm	0.0003 ppm	37.0091 ppm	4.5848 ppm	5.3686 ppm
Concentration per Run 1	0.0000 ppm	0.0070 ppm	0.0001 ppm	0.0003 ppm	35.6602 ppm	4.3928 ppm	5.3871 ppm
Concentration per Run 2	-0.0001 ppm	0.0073 ppm	0.0004 ppm	0.0002 ppm	37.4129 ppm	4.6824 ppm	5.3649 ppm
Concentration per Run 3	0.0000 ppm	0.0072 ppm	0.0003 ppm	0.0003 ppm	37.9541 ppm	4.6791 ppm	5.3537 ppm
Concentration RSD	77.8 %	1.9 %	56.2 %	27.3 %	3.2 %	3.6 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	3.0721 ppm	-0.0004 ppm	23.8641 ppm	-0.0016 ppm	-0.0031 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	2.9747 ppm	-0.0005 ppm	22.9687 ppm	-0.0013 ppm	-0.0030 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	3.1014 ppm	-0.0004 ppm	24.1911 ppm	-0.0017 ppm	-0.0031 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	3.1401 ppm	-0.0004 ppm	24.4326 ppm	-0.0018 ppm	-0.0031 ppm	0.0000 ppm	-0.0006 ppm
Concentration RSD	2.8 %	13.4 %	3.3 %	16.6 %	2.1 %	166.5 %	472.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.1442 ppm	0.0004 ppm	0.0820 ppm	0.0005 ppm	-0.0028 ppm	0.0062 ppm	0.0097 ppm
Concentration per Run 1	7.0302 ppm	0.0004 ppm	0.0793 ppm	0.0007 ppm	-0.0030 ppm	0.0062 ppm	0.0096 ppm
Concentration per Run 2	7.1366 ppm	0.0005 ppm	0.0830 ppm	0.0003 ppm	-0.0025 ppm	0.0062 ppm	0.0097 ppm
Concentration per Run 3	7.2659 ppm	0.0003 ppm	0.0837 ppm	0.0006 ppm	-0.0029 ppm	0.0063 ppm	0.0098 ppm
Concentration RSD	1.7 %	21.9 %	2.9 %	36.1 %	8.7 %	0.5 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	103.5781 %	100.6261 %	99.8756 %	104.5723 %	97.3806 %	99.2587 %	0.0049 ppm
Concentration per Run 1	106.9902 %	100.6665 %	100.6446 %	107.4571 %	98.8381 %	99.1255 %	0.0041 ppm
Concentration per Run 2	102.0939 %	100.6433 %	99.9781 %	103.8920 %	97.5637 %	99.3222 %	0.0053 ppm
Concentration per Run 3	101.6503 %	100.5685 %	99.0040 %	102.3678 %	95.7400 %	99.3286 %	0.0053 ppm
Concentration RSD	2.9 %	0.1 %	0.8 %	2.5 %	1.6 %	0.1 %	14.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511436-15 WG2036575
Analysis started at: 3/10/2025 9:25:55 PM
Rack: 1
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0049 ppm	-0.0004 ppm	0.0069 ppm	0.0000 ppm	0.0000 ppm	0.0177 ppm
Concentration per Run 1	0.0002 ppm	0.0034 ppm	-0.0010 ppm	0.0069 ppm	-0.0001 ppm	0.0000 ppm	0.0199 ppm
Concentration per Run 2	0.0002 ppm	-0.0129 ppm	-0.0004 ppm	0.0067 ppm	0.0001 ppm	0.0000 ppm	0.0166 ppm
Concentration per Run 3	-0.0001 ppm	-0.0052 ppm	0.0003 ppm	0.0070 ppm	0.0000 ppm	0.0000 ppm	0.0166 ppm
Concentration RSD	147.8 %	166.4 %	178.6 %	2.0 %	243.3 %	230.6 %	10.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0076 ppm	-0.1457 ppm	0.0024 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0086 ppm	-0.1435 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0063 ppm	-0.1522 ppm	0.0033 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0079 ppm	-0.1413 ppm	0.0025 ppm
Concentration RSD	29.6 %	102.1 %	325.4 %	426.7 %	15.5 %	3.9 %	39.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0016 ppm	-0.0001 ppm	-0.1088 ppm	0.0000 ppm	-0.0001 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 1	0.0016 ppm	-0.0003 ppm	-0.1078 ppm	0.0002 ppm	0.0000 ppm	-0.0010 ppm	0.0026 ppm
Concentration per Run 2	0.0015 ppm	-0.0001 ppm	-0.1072 ppm	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	-0.1115 ppm	0.0000 ppm	-0.0002 ppm	-0.0008 ppm	-0.0012 ppm
Concentration RSD	6.9 %	118.7 %	2.2 %	283.1 %	95.1 %	23.4 %	356.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.1474 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 1	0.1486 ppm	0.0005 ppm	0.0001 ppm	0.0005 ppm	-0.0009 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	0.1464 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 3	0.1471 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0007 ppm	-0.0003 ppm	-0.0009 ppm
Concentration RSD	0.8 %	47.9 %	37.8 %	229.4 %	211.9 %	26.5 %	3.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.6686 %	99.9979 %	100.9452 %	96.6465 %	101.5188 %	98.7392 %	-0.0019 ppm
Concentration per Run 1	105.3549 %	100.2993 %	100.9636 %	99.5211 %	101.5035 %	98.8033 %	-0.0014 ppm
Concentration per Run 2	99.8845 %	99.5855 %	101.0918 %	96.5775 %	101.5771 %	98.4149 %	-0.0004 ppm
Concentration per Run 3	96.7664 %	100.1087 %	100.7801 %	93.8411 %	101.4759 %	98.9993 %	-0.0039 ppm
Concentration RSD	4.3 %	0.4 %	0.2 %	2.9 %	0.1 %	0.3 %	94.1 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/10/2025 9:32:35 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5049 ppm	0.5115 ppm	0.4639 ppm	0.4828 ppm	0.4835 ppm	0.5168 ppm	0.5212 ppm
Concentration per Run 1	0.4924 ppm	0.4968 ppm	0.4630 ppm	0.4815 ppm	0.4726 ppm	0.4991 ppm	0.5074 ppm
Concentration per Run 2	0.5166 ppm	0.5148 ppm	0.4625 ppm	0.4837 ppm	0.4887 ppm	0.5216 ppm	0.5147 ppm
Concentration per Run 3	0.5058 ppm	0.5227 ppm	0.4662 ppm	0.4832 ppm	0.4893 ppm	0.5297 ppm	0.5416 ppm
Recovery Percentage 1	100.988 %	102.294 %	92.783 %	96.557 %	96.707 %	103.359 %	104.245 %
Concentration RSD	2.4 %	2.6 %	0.4 %	0.2 %	2.0 %	3.1 %	3.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4729 ppm	0.4767 ppm	0.4975 ppm	0.4823 ppm	0.5273 ppm	5.0764 ppm	0.5081 ppm
Concentration per Run 1	0.4750 ppm	0.4776 ppm	0.4843 ppm	0.4701 ppm	0.5098 ppm	4.9368 ppm	0.4941 ppm
Concentration per Run 2	0.4714 ppm	0.4764 ppm	0.5088 ppm	0.4946 ppm	0.5300 ppm	5.1462 ppm	0.5199 ppm
Concentration per Run 3	0.4723 ppm	0.4761 ppm	0.4993 ppm	0.4823 ppm	0.5420 ppm	5.1461 ppm	0.5104 ppm
Recovery Percentage 1	94.582 %	95.345 %	99.491 %	96.466 %	105.451 %	101.527 %	101.630 %
Concentration RSD	0.4 %	0.2 %	2.5 %	2.5 %	3.1 %	2.4 %	2.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5089 ppm	0.4666 ppm	9.9276 ppm	0.4807 ppm	0.4808 ppm	0.4774 ppm	0.4683 ppm
Concentration per Run 1	0.4926 ppm	0.4673 ppm	9.5489 ppm	0.4815 ppm	0.4820 ppm	0.4775 ppm	0.4692 ppm
Concentration per Run 2	0.5133 ppm	0.4667 ppm	10.0995 ppm	0.4805 ppm	0.4813 ppm	0.4785 ppm	0.4684 ppm
Concentration per Run 3	0.5209 ppm	0.4659 ppm	10.1342 ppm	0.4802 ppm	0.4790 ppm	0.4760 ppm	0.4671 ppm
Recovery Percentage 1	101.787 %	93.325 %	99.276 %	96.149 %	96.160 %	95.472 %	93.651 %
Concentration RSD	2.9 %	0.1 %	3.3 %	0.1 %	0.3 %	0.3 %	0.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2353 ppm	0.4793 ppm	0.5003 ppm	0.5007 ppm	0.4775 ppm	0.4628 ppm	0.4771 ppm
Concentration per Run 1	5.2351 ppm	0.4801 ppm	0.4826 ppm	0.4882 ppm	0.4800 ppm	0.4622 ppm	0.4797 ppm
Concentration per Run 2	5.2431 ppm	0.4792 ppm	0.5066 ppm	0.5117 ppm	0.4760 ppm	0.4639 ppm	0.4753 ppm
Concentration per Run 3	5.2277 ppm	0.4788 ppm	0.5116 ppm	0.5022 ppm	0.4766 ppm	0.4621 ppm	0.4764 ppm
Recovery Percentage 1	99.720 %	95.870 %	100.051 %	100.137 %	95.507 %	92.552 %	95.424 %
Concentration RSD	0.1 %	0.1 %	3.1 %	2.4 %	0.5 %	0.2 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.1459 %	98.8109 %	100.5995 %	101.7132 %	100.2659 %	99.8386 %	0.5020 ppm
Concentration per Run 1	100.6495 %	99.5771 %	100.6831 %	104.5954 %	100.1799 %	102.0484 %	0.4829 ppm
Concentration per Run 2	99.0410 %	97.9974 %	100.6923 %	101.3896 %	100.3542 %	97.9746 %	0.5109 ppm
Concentration per Run 3	97.7470 %	98.8581 %	100.4231 %	99.1545 %	100.2637 %	99.4928 %	0.5122 ppm
Recovery Percentage 1							100.401 %
Concentration RSD	1.5 %	0.8 %	0.2 %	2.7 %	0.1 %	2.1 %	3.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/10/2025 9:38:53 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0073 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	-0.0005 ppm	-0.0038 ppm	-0.0008 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 2	0.0001 ppm	-0.0125 ppm	-0.0003 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	-0.0044 ppm
Concentration per Run 3	0.0002 ppm	-0.0056 ppm	0.0011 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage 1	-0.892 %	-7.311 %	0.351 %	3.599 %	-0.762 %	-0.207 %	-0.368 %
Concentration RSD	637.4 %	62.9 %	5,676.3 %	30.5 %	59.4 %	320.9 %	980.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0017 ppm	-0.1107 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0020 ppm	-0.1053 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0016 ppm	-0.1134 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.1135 ppm	-0.0010 ppm
Recovery Percentage 1	-0.028 %	-0.075 %	-2.017 %	0.682 %	3.379 %	-4.429 %	-0.555 %
Concentration RSD	1,250.5 %	519.9 %	54.6 %	273.6 %	16.3 %	4.2 %	77.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0001 ppm	0.0006 ppm	-0.1437 ppm	0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0006 ppm	-0.1460 ppm	0.0001 ppm	-0.0002 ppm	0.0008 ppm	-0.0012 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	-0.1390 ppm	0.0002 ppm	0.0008 ppm	0.0001 ppm	-0.0019 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	-0.1461 ppm	0.0000 ppm	0.0004 ppm	0.0008 ppm	0.0010 ppm
Recovery Percentage 1	-0.657 %	1.124 %	-7.184 %	0.464 %	3.071 %	1.132 %	-7.406 %
Concentration RSD	258.1 %	11.2 %	2.8 %	81.2 %	162.0 %	78.7 %	203.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0017 ppm	0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0006 ppm	-0.0002 ppm	-0.0012 ppm
Concentration per Run 1	0.0015 ppm	0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm	-0.0012 ppm
Concentration per Run 2	0.0015 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0021 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 3	0.0019 ppm	0.0005 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	-0.0003 ppm	-0.0011 ppm
Recovery Percentage 1	0.335 %	0.782 %	-0.705 %	-1.902 %	-3.125 %	-1.591 %	-23.654 %
Concentration RSD	13.1 %	34.0 %	104.7 %	50.3 %	206.4 %	79.7 %	7.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.7867 %	97.4671 %	99.2978 %	99.9774 %	99.8206 %	98.2194 %	-0.0003 ppm
Concentration per Run 1	100.3114 %	95.9446 %	99.3841 %	101.8998 %	100.0251 %	96.8497 %	0.0003 ppm
Concentration per Run 2	98.0668 %	98.2896 %	98.8311 %	99.2697 %	99.2658 %	98.7918 %	-0.0005 ppm
Concentration per Run 3	97.9820 %	98.1670 %	99.6783 %	98.7626 %	100.1709 %	99.0165 %	-0.0006 ppm
Recovery Percentage 1							-2.608 %
Concentration RSD	1.3 %	1.4 %	0.4 %	1.7 %	0.5 %	1.2 %	179.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-1 WG2038522
Analysis started at: 3/10/2025 9:54:29 PM
Rack: 1
Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0075 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 1	-0.0004 ppm	-0.0063 ppm	0.0009 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0034 ppm
Concentration per Run 2	0.0000 ppm	-0.0112 ppm	-0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run 3	-0.0001 ppm	-0.0051 ppm	-0.0011 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0028 ppm
Recovery Percentage 1	-2.582 %	-7.515 %	-4.493 %	1.178 %	-0.508 %	-0.986 %	0.760 %
Concentration RSD	118.2 %	43.0 %	460.5 %	25.4 %	19.3 %	47.9 %	541.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0018 ppm	-0.1692 ppm	0.0020 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0021 ppm	-0.1614 ppm	0.0029 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	-0.1596 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0023 ppm	-0.1865 ppm	0.0003 ppm
Recovery Percentage 1	-0.467 %	-0.667 %	-0.527 %	2.338 %	3.694 %	-6.768 %	1.972 %
Concentration RSD	75.2 %	76.3 %	216.7 %	43.7 %	33.1 %	8.9 %	73.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	-0.1789 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	-0.1804 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0010 ppm
Concentration per Run 2	-0.0003 ppm	-0.0001 ppm	-0.1812 ppm	0.0002 ppm	0.0002 ppm	-0.0004 ppm	-0.0007 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	-0.1751 ppm	0.0000 ppm	0.0006 ppm	-0.0002 ppm	0.0007 ppm
Recovery Percentage 1	-1.851 %	-0.207 %	-8.945 %	0.331 %	4.217 %	-0.543 %	-3.277 %
Concentration RSD	57.7 %	6.6 %	1.8 %	72.9 %	48.3 %	57.5 %	285.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	0.0005 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0017 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 3	0.0016 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	0.252 %	-0.020 %	-0.079 %	0.471 %	-0.366 %	-2.015 %	-2.646 %
Concentration RSD	55.5 %	4,973.4 %	383.5 %	724.8 %	243.2 %	21.0 %	10.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.1293 %	97.0208 %	98.6727 %	108.4708 %	102.7905 %	102.1271 %	-0.0014 ppm
Concentration per Run 1	99.7091 %	97.1041 %	98.7555 %	110.3723 %	103.1256 %	102.0509 %	-0.0015 ppm
Concentration per Run 2	99.1807 %	96.4142 %	98.6027 %	108.8194 %	102.8068 %	101.6557 %	-0.0008 ppm
Concentration per Run 3	98.4979 %	97.5440 %	98.6598 %	106.2205 %	102.4391 %	102.6748 %	-0.0018 ppm
Recovery Percentage 1							-13.726 %
Concentration RSD	0.6 %	0.6 %	0.1 %	1.9 %	0.3 %	0.5 %	39.4 %

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Sample: WG2038522-2 WG2038522
Analysis started at: 3/10/2025 10:01:06 PM
Rack: 1
Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0514 ppm	2.1221 ppm	0.1092 ppm	0.9547 ppm	1.9941 ppm	0.0520 ppm	10.6241 ppm
Concentration per Run 1	0.0514 ppm	2.0308 ppm	0.1091 ppm	0.9556 ppm	1.8930 ppm	0.0497 ppm	10.1787 ppm
Concentration per Run 2	0.0513 ppm	2.1745 ppm	0.1096 ppm	0.9572 ppm	2.0570 ppm	0.0535 ppm	10.9267 ppm
Concentration per Run 3	0.0515 ppm	2.1610 ppm	0.1088 ppm	0.9514 ppm	2.0324 ppm	0.0529 ppm	10.7671 ppm
Concentration RSD	0.2 %	3.7 %	0.4 %	0.3 %	4.4 %	3.9 %	3.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0511 ppm	0.4724 ppm	0.1979 ppm	0.2545 ppm	1.0816 ppm	10.4109 ppm	10.2861 ppm
Concentration per Run 1	0.0512 ppm	0.4747 ppm	0.1975 ppm	0.2560 ppm	1.0334 ppm	9.9376 ppm	10.2923 ppm
Concentration per Run 2	0.0509 ppm	0.4721 ppm	0.1978 ppm	0.2537 ppm	1.1092 ppm	10.6989 ppm	10.2960 ppm
Concentration per Run 3	0.0511 ppm	0.4705 ppm	0.1982 ppm	0.2538 ppm	1.1021 ppm	10.5964 ppm	10.2700 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	0.5 %	3.9 %	4.0 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5290 ppm	0.9311 ppm	10.6642 ppm	0.4866 ppm	0.5253 ppm	0.4646 ppm	0.1068 ppm
Concentration per Run 1	0.5066 ppm	0.9314 ppm	10.2116 ppm	0.4884 ppm	0.5268 ppm	0.4639 ppm	0.1065 ppm
Concentration per Run 2	0.5442 ppm	0.9311 ppm	10.9042 ppm	0.4860 ppm	0.5244 ppm	0.4654 ppm	0.1067 ppm
Concentration per Run 3	0.5362 ppm	0.9308 ppm	10.8769 ppm	0.4856 ppm	0.5246 ppm	0.4646 ppm	0.1071 ppm
Concentration RSD	3.8 %	0.0 %	3.7 %	0.3 %	0.3 %	0.2 %	0.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.0312 ppm	0.9345 ppm	0.9997 ppm	0.9657 ppm	0.1108 ppm	0.4739 ppm	0.4733 ppm
Concentration per Run 1	1.0363 ppm	0.9375 ppm	0.9551 ppm	0.9658 ppm	0.1105 ppm	0.4751 ppm	0.4755 ppm
Concentration per Run 2	1.0312 ppm	0.9335 ppm	1.0250 ppm	0.9673 ppm	0.1109 ppm	0.4742 ppm	0.4715 ppm
Concentration per Run 3	1.0260 ppm	0.9326 ppm	1.0190 ppm	0.9641 ppm	0.1111 ppm	0.4723 ppm	0.4729 ppm
Concentration RSD	0.5 %	0.3 %	3.9 %	0.2 %	0.3 %	0.3 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.0987 %	95.0366 %	96.6756 %	101.7502 %	97.3448 %	99.2275 %	-0.0010 ppm
Concentration per Run 1	103.5994 %	94.8859 %	96.4399 %	105.7212 %	96.8579 %	99.0142 %	-0.0011 ppm
Concentration per Run 2	95.9189 %	94.8448 %	96.5979 %	99.1120 %	97.4273 %	99.1751 %	-0.0003 ppm
Concentration per Run 3	97.7777 %	95.3792 %	96.9890 %	100.4175 %	97.7492 %	99.4932 %	-0.0017 ppm
Concentration RSD	4.0 %	0.3 %	0.3 %	3.4 %	0.5 %	0.2 %	67.0 %

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Sample: L2511944-06 WG2038522
Analysis started at: 3/10/2025 10:07:22 PM
Rack: 1
Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0009 ppm	0.0027 ppm	0.0001 ppm	0.0179 ppm	0.0249 ppm	0.0000 ppm	22.8366 ppm
Concentration per Run 1	0.0007 ppm	-0.0012 ppm	-0.0012 ppm	0.0178 ppm	0.0242 ppm	0.0000 ppm	22.5669 ppm
Concentration per Run 2	0.0011 ppm	0.0034 ppm	-0.0005 ppm	0.0180 ppm	0.0250 ppm	0.0000 ppm	22.6711 ppm
Concentration per Run 3	0.0010 ppm	0.0060 ppm	0.0019 ppm	0.0177 ppm	0.0256 ppm	0.0000 ppm	23.2718 ppm
Concentration RSD	21.1 %	132.5 %	2,633.7 %	0.8 %	2.8 %	138.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0019 ppm	0.0010 ppm	0.0139 ppm	2.0381 ppm	5.1766 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0018 ppm	0.0009 ppm	0.0140 ppm	1.9705 ppm	5.1517 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0023 ppm	0.0011 ppm	0.0124 ppm	2.0158 ppm	5.1967 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0016 ppm	0.0011 ppm	0.0154 ppm	2.1278 ppm	5.1814 ppm
Concentration RSD	233.4 %	374.4 %	19.7 %	9.5 %	10.5 %	4.0 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0004 ppm	0.0036 ppm	6.7232 ppm	0.0008 ppm	-0.0018 ppm	0.0024 ppm	0.0005 ppm
Concentration per Run 1	0.0006 ppm	0.0041 ppm	6.6607 ppm	0.0006 ppm	-0.0026 ppm	0.0029 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0036 ppm	6.6644 ppm	0.0010 ppm	-0.0010 ppm	0.0026 ppm	0.0012 ppm
Concentration per Run 3	0.0003 ppm	0.0032 ppm	6.8445 ppm	0.0009 ppm	-0.0019 ppm	0.0017 ppm	0.0002 ppm
Concentration RSD	52.8 %	12.3 %	1.6 %	27.0 %	41.9 %	26.5 %	125.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.0417 ppm	0.0013 ppm	0.0681 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 1	4.0410 ppm	0.0015 ppm	0.0675 ppm	0.0004 ppm	0.0010 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 2	4.0422 ppm	0.0007 ppm	0.0678 ppm	0.0007 ppm	-0.0011 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 3	4.0419 ppm	0.0015 ppm	0.0691 ppm	0.0011 ppm	0.0002 ppm	0.0002 ppm	0.0006 ppm
Concentration RSD	0.0 %	36.1 %	1.3 %	50.0 %	2,118.6 %	14.8 %	4.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.9990 %	95.9054 %	96.9653 %	99.1225 %	98.2345 %	100.2652 %	-0.0011 ppm
Concentration per Run 1	103.5111 %	97.1624 %	96.9614 %	100.7718 %	98.0753 %	100.7378 %	-0.0016 ppm
Concentration per Run 2	99.7324 %	95.2765 %	97.1727 %	99.6250 %	98.3948 %	99.8799 %	-0.0005 ppm
Concentration per Run 3	96.7534 %	95.2774 %	96.7617 %	96.9708 %	98.2335 %	100.1778 %	-0.0010 ppm
Concentration RSD	3.4 %	1.1 %	0.2 %	2.0 %	0.2 %	0.4 %	52.9 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-3 WG2038522
Analysis started at: 3/10/2025 10:13:56 PM
Rack: 1
Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0539 ppm	2.1937 ppm	0.1148 ppm	1.0146 ppm	2.0756 ppm	0.0537 ppm	32.7328 ppm
Concentration per Run 1	0.0524 ppm	2.1735 ppm	0.1163 ppm	1.0167 ppm	2.0339 ppm	0.0533 ppm	32.6306 ppm
Concentration per Run 2	0.0553 ppm	2.1987 ppm	0.1148 ppm	1.0126 ppm	2.0912 ppm	0.0538 ppm	32.7340 ppm
Concentration per Run 3	0.0539 ppm	2.2089 ppm	0.1131 ppm	1.0145 ppm	2.1018 ppm	0.0540 ppm	32.8339 ppm
Concentration RSD	2.7 %	0.8 %	1.4 %	0.2 %	1.8 %	0.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0527 ppm	0.4848 ppm	0.2035 ppm	0.2651 ppm	1.1072 ppm	12.9557 ppm	15.7058 ppm
Concentration per Run 1	0.0530 ppm	0.4872 ppm	0.1974 ppm	0.2591 ppm	1.0990 ppm	12.6613 ppm	15.3013 ppm
Concentration per Run 2	0.0525 ppm	0.4837 ppm	0.2083 ppm	0.2715 ppm	1.1072 ppm	13.0483 ppm	16.0466 ppm
Concentration per Run 3	0.0525 ppm	0.4836 ppm	0.2046 ppm	0.2649 ppm	1.1155 ppm	13.1576 ppm	15.7696 ppm
Concentration RSD	0.5 %	0.4 %	2.7 %	2.3 %	0.7 %	2.0 %	2.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5426 ppm	0.9566 ppm	17.8177 ppm	0.5011 ppm	0.5412 ppm	0.4873 ppm	0.1145 ppm
Concentration per Run 1	0.5399 ppm	0.9553 ppm	17.5893 ppm	0.5040 ppm	0.5433 ppm	0.4878 ppm	0.1155 ppm
Concentration per Run 2	0.5426 ppm	0.9539 ppm	17.8991 ppm	0.4997 ppm	0.5405 ppm	0.4844 ppm	0.1145 ppm
Concentration per Run 3	0.5454 ppm	0.9605 ppm	17.9647 ppm	0.4995 ppm	0.5398 ppm	0.4896 ppm	0.1137 ppm
Concentration RSD	0.5 %	0.4 %	1.1 %	0.5 %	0.3 %	0.5 %	0.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1565 ppm	0.9640 ppm	1.0848 ppm	0.9846 ppm	0.1146 ppm	0.4913 ppm	0.4880 ppm
Concentration per Run 1	5.1792 ppm	0.9681 ppm	1.0747 ppm	0.9585 ppm	0.1148 ppm	0.4914 ppm	0.4914 ppm
Concentration per Run 2	5.1415 ppm	0.9613 ppm	1.0874 ppm	1.0067 ppm	0.1141 ppm	0.4903 ppm	0.4862 ppm
Concentration per Run 3	5.1487 ppm	0.9626 ppm	1.0923 ppm	0.9885 ppm	0.1147 ppm	0.4923 ppm	0.4864 ppm
Concentration RSD	0.4 %	0.4 %	0.8 %	2.5 %	0.3 %	0.2 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.1844 %	94.1463 %	95.5050 %	102.2116 %	95.3142 %	98.2214 %	-0.0016 ppm
Concentration per Run 1	100.5158 %	95.3977 %	95.5327 %	102.4738 %	95.1013 %	100.5530 %	-0.0019 ppm
Concentration per Run 2	98.7836 %	92.9933 %	95.6338 %	102.2842 %	95.5650 %	96.1916 %	-0.0015 ppm
Concentration per Run 3	98.2537 %	94.0480 %	95.3484 %	101.8768 %	95.2762 %	97.9195 %	-0.0013 ppm
Concentration RSD	1.2 %	1.3 %	0.2 %	0.3 %	0.2 %	2.2 %	17.9 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-4 WG2038522
Analysis started at: 3/10/2025 10:20:11 PM
Rack: 1
Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0534 ppm	2.1692 ppm	0.1140 ppm	1.0179 ppm	2.0171 ppm	0.0531 ppm	32.4246 ppm
Concentration per Run 1	0.0528 ppm	2.1549 ppm	0.1148 ppm	1.0061 ppm	1.9750 ppm	0.0526 ppm	32.0424 ppm
Concentration per Run 2	0.0541 ppm	2.1813 ppm	0.1127 ppm	1.0273 ppm	2.0371 ppm	0.0534 ppm	32.6367 ppm
Concentration per Run 3	0.0533 ppm	2.1714 ppm	0.1146 ppm	1.0203 ppm	2.0392 ppm	0.0534 ppm	32.5946 ppm
Concentration RSD	1.2 %	0.6 %	1.0 %	1.1 %	1.8 %	0.9 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0520 ppm	0.4804 ppm	0.2022 ppm	0.2613 ppm	1.0980 ppm	12.5514 ppm	15.5624 ppm
Concentration per Run 1	0.0521 ppm	0.4789 ppm	0.2000 ppm	0.2577 ppm	1.0844 ppm	12.3509 ppm	15.3683 ppm
Concentration per Run 2	0.0519 ppm	0.4810 ppm	0.2065 ppm	0.2667 ppm	1.1072 ppm	12.6416 ppm	15.8979 ppm
Concentration per Run 3	0.0521 ppm	0.4813 ppm	0.2001 ppm	0.2595 ppm	1.1025 ppm	12.6616 ppm	15.4210 ppm
Concentration RSD	0.2 %	0.3 %	1.8 %	1.8 %	1.1 %	1.4 %	1.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5351 ppm	0.9505 ppm	17.5997 ppm	0.4967 ppm	0.5368 ppm	0.4853 ppm	0.1140 ppm
Concentration per Run 1	0.5300 ppm	0.9420 ppm	17.5507 ppm	0.4953 ppm	0.5336 ppm	0.4818 ppm	0.1125 ppm
Concentration per Run 2	0.5383 ppm	0.9527 ppm	17.6686 ppm	0.4967 ppm	0.5388 ppm	0.4871 ppm	0.1151 ppm
Concentration per Run 3	0.5371 ppm	0.9569 ppm	17.5798 ppm	0.4981 ppm	0.5381 ppm	0.4870 ppm	0.1144 ppm
Concentration RSD	0.8 %	0.8 %	0.3 %	0.3 %	0.5 %	0.6 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1282 ppm	0.9554 ppm	1.0713 ppm	0.9725 ppm	0.1128 ppm	0.4872 ppm	0.4821 ppm
Concentration per Run 1	5.0945 ppm	0.9521 ppm	1.0646 ppm	0.9602 ppm	0.1120 ppm	0.4845 ppm	0.4821 ppm
Concentration per Run 2	5.1536 ppm	0.9568 ppm	1.0765 ppm	0.9926 ppm	0.1137 ppm	0.4879 ppm	0.4806 ppm
Concentration per Run 3	5.1364 ppm	0.9574 ppm	1.0727 ppm	0.9646 ppm	0.1125 ppm	0.4891 ppm	0.4836 ppm
Concentration RSD	0.6 %	0.3 %	0.6 %	1.8 %	0.8 %	0.5 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.6852 %	93.4834 %	94.7204 %	101.9455 %	95.2449 %	98.2243 %	-0.0014 ppm
Concentration per Run 1	103.1605 %	94.3559 %	95.6151 %	102.9233 %	95.7230 %	99.2867 %	-0.0016 ppm
Concentration per Run 2	99.7524 %	91.1122 %	94.2217 %	101.5159 %	95.2224 %	96.2539 %	-0.0010 ppm
Concentration per Run 3	99.1427 %	94.9821 %	94.3246 %	101.3972 %	94.7892 %	99.1324 %	-0.0015 ppm
Concentration RSD	2.2 %	2.2 %	0.8 %	0.8 %	0.5 %	1.7 %	20.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-7 WG2038522
Analysis started at: 3/10/2025 10:26:26 PM
Rack: 1
Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0211 ppm	2.1233 ppm	0.1191 ppm	0.9963 ppm	1.9826 ppm	0.0524 ppm	32.3088 ppm
Concentration per Run 1	0.0198 ppm	2.0831 ppm	0.1193 ppm	0.9957 ppm	1.9268 ppm	0.0513 ppm	31.6870 ppm
Concentration per Run 2	0.0200 ppm	2.1426 ppm	0.1198 ppm	0.9952 ppm	2.0067 ppm	0.0528 ppm	32.6583 ppm
Concentration per Run 3	0.0233 ppm	2.1443 ppm	0.1182 ppm	0.9982 ppm	2.0145 ppm	0.0530 ppm	32.5811 ppm
Concentration RSD	9.3 %	1.6 %	0.7 %	0.2 %	2.4 %	1.8 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0511 ppm	0.4689 ppm	0.1966 ppm	0.2550 ppm	1.0751 ppm	12.6589 ppm	15.3364 ppm
Concentration per Run 1	0.0511 ppm	0.4686 ppm	0.1961 ppm	0.2544 ppm	1.0512 ppm	12.3791 ppm	15.3406 ppm
Concentration per Run 2	0.0512 ppm	0.4686 ppm	0.1962 ppm	0.2566 ppm	1.0850 ppm	12.7693 ppm	15.3405 ppm
Concentration per Run 3	0.0511 ppm	0.4694 ppm	0.1975 ppm	0.2539 ppm	1.0890 ppm	12.8284 ppm	15.3280 ppm
Concentration RSD	0.1 %	0.1 %	0.4 %	0.6 %	1.9 %	1.9 %	0.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5267 ppm	0.9354 ppm	17.5660 ppm	0.4840 ppm	0.5382 ppm	0.4685 ppm	0.1202 ppm
Concentration per Run 1	0.5162 ppm	0.9296 ppm	17.3317 ppm	0.4838 ppm	0.5379 ppm	0.4660 ppm	0.1192 ppm
Concentration per Run 2	0.5321 ppm	0.9343 ppm	17.6325 ppm	0.4837 ppm	0.5388 ppm	0.4688 ppm	0.1220 ppm
Concentration per Run 3	0.5319 ppm	0.9424 ppm	17.7337 ppm	0.4846 ppm	0.5379 ppm	0.4707 ppm	0.1193 ppm
Concentration RSD	1.7 %	0.7 %	1.2 %	0.1 %	0.1 %	0.5 %	1.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.7431 ppm	0.9469 ppm	1.0686 ppm	0.9569 ppm	0.1198 ppm	0.4752 ppm	0.4716 ppm
Concentration per Run 1	4.7385 ppm	0.9455 ppm	1.0510 ppm	0.9566 ppm	0.1207 ppm	0.4753 ppm	0.4711 ppm
Concentration per Run 2	4.7423 ppm	0.9460 ppm	1.0756 ppm	0.9541 ppm	0.1189 ppm	0.4746 ppm	0.4716 ppm
Concentration per Run 3	4.7486 ppm	0.9493 ppm	1.0792 ppm	0.9601 ppm	0.1199 ppm	0.4756 ppm	0.4719 ppm
Concentration RSD	0.1 %	0.2 %	1.4 %	0.3 %	0.8 %	0.1 %	0.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.1956 %	94.1497 %	95.4574 %	101.7620 %	95.8288 %	99.0851 %	-0.0016 ppm
Concentration per Run 1	103.3930 %	94.4435 %	95.5717 %	103.7416 %	95.9974 %	99.2985 %	-0.0016 ppm
Concentration per Run 2	98.2842 %	94.2238 %	95.5450 %	100.4206 %	95.8413 %	99.2180 %	-0.0016 ppm
Concentration per Run 3	98.9097 %	93.7818 %	95.2556 %	101.1238 %	95.6479 %	98.7388 %	-0.0016 ppm
Concentration RSD	2.8 %	0.4 %	0.2 %	1.7 %	0.2 %	0.3 %	2.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-8D5 WG2038522
Analysis started at: 3/10/2025 10:32:42 PM
Rack: 1
Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0069 ppm	0.0045 ppm	0.0000 ppm	3.9726 ppm
Concentration per Run 1	-0.0001 ppm	0.0036 ppm	0.0009 ppm	0.0068 ppm	0.0043 ppm	0.0000 ppm	3.9088 ppm
Concentration per Run 2	0.0000 ppm	0.0043 ppm	0.0009 ppm	0.0071 ppm	0.0045 ppm	0.0000 ppm	3.9840 ppm
Concentration per Run 3	0.0003 ppm	-0.0074 ppm	0.0006 ppm	0.0068 ppm	0.0045 ppm	0.0000 ppm	4.0250 ppm
Concentration RSD	327.8 %	4,292.9 %	18.7 %	2.2 %	2.6 %	1,347.7 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0030 ppm	0.0003 ppm	0.0159 ppm	0.2767 ppm	0.9890 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0028 ppm	0.0002 ppm	0.0159 ppm	0.2737 ppm	0.9779 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0030 ppm	0.0003 ppm	0.0163 ppm	0.2624 ppm	0.9877 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0032 ppm	0.0005 ppm	0.0155 ppm	0.2939 ppm	1.0015 ppm
Concentration RSD	100.8 %	266.3 %	8.1 %	43.0 %	2.6 %	5.8 %	1.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0042 ppm	1.0273 ppm	0.0003 ppm	0.0002 ppm	0.0048 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	0.0050 ppm	1.0148 ppm	0.0002 ppm	0.0005 ppm	0.0052 ppm	-0.0006 ppm
Concentration per Run 2	0.0002 ppm	0.0042 ppm	1.0213 ppm	0.0003 ppm	0.0000 ppm	0.0040 ppm	0.0001 ppm
Concentration per Run 3	0.0001 ppm	0.0035 ppm	1.0457 ppm	0.0005 ppm	0.0001 ppm	0.0051 ppm	0.0006 ppm
Concentration RSD	671.0 %	17.5 %	1.6 %	34.3 %	143.4 %	13.6 %	1,362.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.7834 ppm	0.0019 ppm	0.0118 ppm	0.0002 ppm	-0.0005 ppm	-0.0001 ppm	-0.0005 ppm
Concentration per Run 1	0.7732 ppm	0.0019 ppm	0.0116 ppm	0.0004 ppm	-0.0006 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 2	0.7850 ppm	0.0018 ppm	0.0118 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0006 ppm
Concentration per Run 3	0.7921 ppm	0.0019 ppm	0.0120 ppm	0.0004 ppm	-0.0005 ppm	-0.0002 ppm	-0.0005 ppm
Concentration RSD	1.2 %	1.9 %	1.9 %	141.6 %	40.1 %	113.1 %	12.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.9388 %	96.1494 %	98.1272 %	102.3309 %	100.6162 %	101.0906 %	-0.0006 ppm
Concentration per Run 1	100.7658 %	95.7635 %	98.1941 %	103.7949 %	100.4702 %	100.7002 %	-0.0003 ppm
Concentration per Run 2	98.0745 %	96.4946 %	97.7270 %	101.8823 %	99.9904 %	101.4272 %	-0.0012 ppm
Concentration per Run 3	97.9763 %	96.1902 %	98.4607 %	101.3154 %	101.3880 %	101.1444 %	-0.0003 ppm
Concentration RSD	1.6 %	0.4 %	0.4 %	1.3 %	0.7 %	0.4 %	97.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511627-01 WG2038522
Analysis started at: 3/10/2025 10:39:18 PM
Rack: 1
Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0104 ppm	0.0019 ppm	0.0755 ppm	0.0381 ppm	0.0000 ppm	30.8841 ppm
Concentration per Run 1	0.0003 ppm	0.0067 ppm	0.0009 ppm	0.0759 ppm	0.0374 ppm	-0.0001 ppm	30.8109 ppm
Concentration per Run 2	-0.0001 ppm	0.0173 ppm	0.0014 ppm	0.0755 ppm	0.0384 ppm	0.0000 ppm	30.9939 ppm
Concentration per Run 3	0.0000 ppm	0.0072 ppm	0.0034 ppm	0.0751 ppm	0.0385 ppm	-0.0001 ppm	30.8475 ppm
Concentration RSD	292.0 %	57.8 %	69.1 %	0.5 %	1.6 %	89.0 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0003 ppm	0.0080 ppm	0.1008 ppm	18.7400 ppm	10.7309 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0080 ppm	0.1011 ppm	18.4209 ppm	10.6673 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0080 ppm	0.1004 ppm	18.9713 ppm	10.8896 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0079 ppm	0.1008 ppm	18.8279 ppm	10.6359 ppm
Concentration RSD	409.8 %	14.2 %	102.1 %	0.8 %	0.3 %	1.5 %	1.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1961 ppm	0.0021 ppm	161.3863 ppm	0.0013 ppm	-0.0030 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 1	0.1959 ppm	0.0022 ppm	160.6014 ppm	0.0013 ppm	-0.0028 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 2	0.1966 ppm	0.0021 ppm	161.3626 ppm	0.0012 ppm	-0.0028 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.1959 ppm	0.0018 ppm	162.1950 ppm	0.0015 ppm	-0.0033 ppm	0.0008 ppm	-0.0013 ppm
Concentration RSD	0.2 %	9.1 %	0.5 %	13.0 %	10.5 %	102.9 %	503.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.0440 ppm	0.0011 ppm	0.1865 ppm	0.0008 ppm	-0.0010 ppm	0.0001 ppm	0.0364 ppm
Concentration per Run 1	6.0592 ppm	0.0012 ppm	0.1854 ppm	0.0009 ppm	-0.0013 ppm	0.0002 ppm	0.0363 ppm
Concentration per Run 2	6.0415 ppm	0.0009 ppm	0.1877 ppm	0.0007 ppm	-0.0013 ppm	-0.0001 ppm	0.0364 ppm
Concentration per Run 3	6.0314 ppm	0.0013 ppm	0.1864 ppm	0.0009 ppm	-0.0003 ppm	0.0002 ppm	0.0364 ppm
Concentration RSD	0.2 %	21.4 %	0.6 %	13.2 %	55.7 %	164.8 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.7907 %	90.9024 %	92.3748 %	98.4888 %	89.6968 %	94.9201 %	0.0023 ppm
Concentration per Run 1	99.3529 %	91.5330 %	92.3403 %	98.9770 %	89.6848 %	95.5221 %	0.0023 ppm
Concentration per Run 2	97.2241 %	89.7958 %	92.3871 %	98.1782 %	89.6710 %	94.0325 %	0.0029 ppm
Concentration per Run 3	96.7951 %	91.3782 %	92.3968 %	98.3111 %	89.7347 %	95.2056 %	0.0016 ppm
Concentration RSD	1.4 %	1.1 %	0.0 %	0.4 %	0.0 %	0.8 %	29.7 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-9 WG2038522
Analysis started at: 3/10/2025 10:45:58 PM
Rack: 1
Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0297 ppm	2.1477 ppm	0.1269 ppm	1.0785 ppm	2.0281 ppm	0.0525 ppm	40.2419 ppm
Concentration per Run 1	0.0327 ppm	2.1361 ppm	0.1255 ppm	1.0719 ppm	2.0073 ppm	0.0524 ppm	40.2045 ppm
Concentration per Run 2	0.0294 ppm	2.1562 ppm	0.1286 ppm	1.0867 ppm	2.0368 ppm	0.0523 ppm	40.0468 ppm
Concentration per Run 3	0.0269 ppm	2.1507 ppm	0.1267 ppm	1.0769 ppm	2.0404 ppm	0.0527 ppm	40.4743 ppm
Concentration RSD	9.7 %	0.5 %	1.2 %	0.7 %	0.9 %	0.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0527 ppm	0.4834 ppm	0.1948 ppm	0.2673 ppm	1.1574 ppm	29.3371 ppm	20.3477 ppm
Concentration per Run 1	0.0527 ppm	0.4821 ppm	0.1948 ppm	0.2674 ppm	1.1493 ppm	29.0996 ppm	20.3579 ppm
Concentration per Run 2	0.0529 ppm	0.4855 ppm	0.1946 ppm	0.2676 ppm	1.1577 ppm	29.5372 ppm	20.3436 ppm
Concentration per Run 3	0.0527 ppm	0.4825 ppm	0.1951 ppm	0.2667 ppm	1.1652 ppm	29.3745 ppm	20.3416 ppm
Concentration RSD	0.2 %	0.4 %	0.1 %	0.2 %	0.7 %	0.8 %	0.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.7107 ppm	0.9818 ppm	171.0043 ppm	0.4987 ppm	0.5482 ppm	0.4909 ppm	0.1269 ppm
Concentration per Run 1	0.7083 ppm	0.9711 ppm	168.9328 ppm	0.4974 ppm	0.5465 ppm	0.4870 ppm	0.1273 ppm
Concentration per Run 2	0.7089 ppm	0.9883 ppm	172.9585 ppm	0.5007 ppm	0.5510 ppm	0.4954 ppm	0.1272 ppm
Concentration per Run 3	0.7149 ppm	0.9859 ppm	171.1214 ppm	0.4979 ppm	0.5471 ppm	0.4904 ppm	0.1261 ppm
Concentration RSD	0.5 %	0.9 %	1.2 %	0.4 %	0.4 %	0.9 %	0.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.7774 ppm	0.9782 ppm	1.1854 ppm	0.9661 ppm	0.1199 ppm	0.5007 ppm	0.5228 ppm
Concentration per Run 1	6.7454 ppm	0.9737 ppm	1.1790 ppm	0.9664 ppm	0.1194 ppm	0.4965 ppm	0.5234 ppm
Concentration per Run 2	6.8290 ppm	0.9827 ppm	1.1860 ppm	0.9671 ppm	0.1201 ppm	0.5052 ppm	0.5231 ppm
Concentration per Run 3	6.7578 ppm	0.9781 ppm	1.1912 ppm	0.9648 ppm	0.1201 ppm	0.5005 ppm	0.5219 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	0.1 %	0.4 %	0.9 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6191 %	90.7277 %	91.0926 %	100.6568 %	88.5933 %	95.7979 %	0.0016 ppm
Concentration per Run 1	97.9480 %	90.6633 %	91.5986 %	100.5036 %	89.1154 %	95.8043 %	0.0006 ppm
Concentration per Run 2	97.9964 %	90.7171 %	90.4865 %	101.3634 %	87.8593 %	95.7372 %	0.0017 ppm
Concentration per Run 3	96.9128 %	90.8028 %	91.1927 %	100.1035 %	88.8052 %	95.8521 %	0.0023 ppm
Concentration RSD	0.6 %	0.1 %	0.6 %	0.6 %	0.7 %	0.1 %	56.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-10D5 WG2038522
Analysis started at: 3/10/2025 10:52:24 PM
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0175 ppm	0.0068 ppm	0.0000 ppm	5.4225 ppm
Concentration per Run 1	-0.0001 ppm	-0.0034 ppm	0.0015 ppm	0.0173 ppm	0.0068 ppm	0.0000 ppm	5.3931 ppm
Concentration per Run 2	-0.0002 ppm	0.0047 ppm	-0.0003 ppm	0.0177 ppm	0.0068 ppm	0.0000 ppm	5.4134 ppm
Concentration per Run 3	-0.0002 ppm	-0.0023 ppm	0.0001 ppm	0.0175 ppm	0.0068 ppm	0.0000 ppm	5.4609 ppm
Concentration RSD	54.2 %	1,319.9 %	214.1 %	1.2 %	0.2 %	181.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0016 ppm	0.0200 ppm	3.1101 ppm	2.0339 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0017 ppm	0.0204 ppm	3.0651 ppm	2.0340 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0015 ppm	0.0208 ppm	3.1376 ppm	2.0306 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0188 ppm	3.1276 ppm	2.0372 ppm
Concentration RSD	92.8 %	350.3 %	99.8 %	6.0 %	5.4 %	1.3 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0345 ppm	0.0036 ppm	27.8048 ppm	0.0004 ppm	-0.0005 ppm	0.0037 ppm	0.0007 ppm
Concentration per Run 1	0.0345 ppm	0.0040 ppm	27.7420 ppm	0.0002 ppm	-0.0009 ppm	0.0042 ppm	0.0006 ppm
Concentration per Run 2	0.0343 ppm	0.0035 ppm	27.7865 ppm	0.0006 ppm	-0.0003 ppm	0.0030 ppm	0.0017 ppm
Concentration per Run 3	0.0347 ppm	0.0032 ppm	27.8858 ppm	0.0003 ppm	-0.0004 ppm	0.0039 ppm	-0.0003 ppm
Concentration RSD	0.5 %	12.0 %	0.3 %	58.1 %	60.3 %	16.5 %	149.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.1443 ppm	0.0015 ppm	0.0327 ppm	0.0002 ppm	-0.0009 ppm	-0.0001 ppm	0.0066 ppm
Concentration per Run 1	1.0978 ppm	0.0016 ppm	0.0325 ppm	0.0000 ppm	-0.0009 ppm	-0.0001 ppm	0.0060 ppm
Concentration per Run 2	1.1538 ppm	0.0015 ppm	0.0327 ppm	0.0002 ppm	-0.0010 ppm	-0.0001 ppm	0.0068 ppm
Concentration per Run 3	1.1812 ppm	0.0013 ppm	0.0327 ppm	0.0004 ppm	-0.0009 ppm	-0.0002 ppm	0.0069 ppm
Concentration RSD	3.7 %	11.1 %	0.3 %	76.8 %	2.8 %	21.6 %	6.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.2145 %	94.6378 %	96.3650 %	102.0066 %	97.5178 %	100.1169 %	0.0001 ppm
Concentration per Run 1	99.3716 %	94.5629 %	95.8560 %	102.8214 %	98.4999 %	99.9327 %	0.0006 ppm
Concentration per Run 2	98.1060 %	94.5283 %	96.2468 %	102.2053 %	97.0579 %	100.1415 %	-0.0003 ppm
Concentration per Run 3	97.1660 %	94.8224 %	96.9922 %	100.9930 %	96.9956 %	100.2766 %	0.0000 ppm
Concentration RSD	1.1 %	0.2 %	0.6 %	0.9 %	0.9 %	0.2 %	440.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/10/2025 10:59:00 PM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5062 ppm	0.5111 ppm	0.4734 ppm	0.4955 ppm	0.4960 ppm	0.5141 ppm	0.5308 ppm
Concentration per Run 1	0.5065 ppm	0.4961 ppm	0.4665 ppm	0.4929 ppm	0.4881 ppm	0.5000 ppm	0.5115 ppm
Concentration per Run 2	0.5070 ppm	0.5188 ppm	0.4814 ppm	0.4966 ppm	0.4977 ppm	0.5175 ppm	0.5447 ppm
Concentration per Run 3	0.5051 ppm	0.5184 ppm	0.4722 ppm	0.4969 ppm	0.5023 ppm	0.5247 ppm	0.5363 ppm
Recovery Percentage 1	101.234 %	102.223 %	94.681 %	99.091 %	99.203 %	102.811 %	106.166 %
Concentration RSD	0.2 %	2.5 %	1.6 %	0.5 %	1.5 %	2.5 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4867 ppm	0.4834 ppm	0.4908 ppm	0.4881 ppm	0.5249 ppm	5.1166 ppm	0.5091 ppm
Concentration per Run 1	0.4766 ppm	0.4751 ppm	0.4880 ppm	0.4902 ppm	0.5102 ppm	5.0507 ppm	0.5090 ppm
Concentration per Run 2	0.4964 ppm	0.4914 ppm	0.4943 ppm	0.4876 ppm	0.5284 ppm	5.1103 ppm	0.5086 ppm
Concentration per Run 3	0.4870 ppm	0.4836 ppm	0.4902 ppm	0.4866 ppm	0.5361 ppm	5.1888 ppm	0.5097 ppm
Recovery Percentage 1	97.338 %	96.678 %	98.167 %	97.624 %	104.986 %	102.332 %	101.820 %
Concentration RSD	2.0 %	1.7 %	0.7 %	0.4 %	2.5 %	1.4 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5077 ppm	0.4894 ppm	10.1204 ppm	0.4965 ppm	0.5027 ppm	0.4835 ppm	0.4725 ppm
Concentration per Run 1	0.4944 ppm	0.4808 ppm	9.8419 ppm	0.4879 ppm	0.4960 ppm	0.4788 ppm	0.4656 ppm
Concentration per Run 2	0.5102 ppm	0.4980 ppm	10.1454 ppm	0.5053 ppm	0.5101 ppm	0.4887 ppm	0.4779 ppm
Concentration per Run 3	0.5186 ppm	0.4896 ppm	10.3738 ppm	0.4963 ppm	0.5020 ppm	0.4830 ppm	0.4739 ppm
Recovery Percentage 1	101.542 %	97.890 %	101.204 %	99.299 %	100.542 %	96.706 %	94.492 %
Concentration RSD	2.4 %	1.8 %	2.6 %	1.8 %	1.4 %	1.0 %	1.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.5217 ppm	0.4955 ppm	0.4916 ppm	0.4828 ppm	0.4968 ppm	0.4764 ppm	0.4814 ppm
Concentration per Run 1	5.4538 ppm	0.4882 ppm	0.4784 ppm	0.4820 ppm	0.4911 ppm	0.4687 ppm	0.4710 ppm
Concentration per Run 2	5.5922 ppm	0.5031 ppm	0.4936 ppm	0.4847 ppm	0.5019 ppm	0.4838 ppm	0.4913 ppm
Concentration per Run 3	5.5191 ppm	0.4952 ppm	0.5027 ppm	0.4816 ppm	0.4973 ppm	0.4768 ppm	0.4817 ppm
Recovery Percentage 1	105.175 %	99.099 %	98.319 %	96.557 %	99.355 %	95.289 %	96.274 %
Concentration RSD	1.3 %	1.5 %	2.5 %	0.3 %	1.1 %	1.6 %	2.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2739 %	94.5273 %	95.8956 %	103.1257 %	96.1931 %	99.8474 %	0.4967 ppm
Concentration per Run 1	98.5180 %	94.5432 %	96.7208 %	105.6485 %	97.6892 %	99.9208 %	0.4815 ppm
Concentration per Run 2	96.8442 %	94.0671 %	95.3298 %	102.5088 %	94.6805 %	99.4789 %	0.4985 ppm
Concentration per Run 3	96.4596 %	94.9717 %	95.6360 %	101.2198 %	96.2094 %	100.1424 %	0.5100 ppm
Recovery Percentage 1							99.339 %
Concentration RSD	1.1 %	0.5 %	0.8 %	2.2 %	1.6 %	0.3 %	2.9 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/10/2025 11:05:20 PM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0053 ppm	-0.0002 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0022 ppm	0.0000 ppm	0.0022 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 2	0.0003 ppm	-0.0095 ppm	0.0000 ppm	0.0021 ppm	-0.0002 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run 3	0.0000 ppm	-0.0044 ppm	-0.0007 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Recovery Percentage 1	1.080 %	-5.349 %	-4.997 %	7.108 %	-1.182 %	-0.405 %	0.663 %
Concentration RSD	205.1 %	70.4 %	155.1 %	3.0 %	59.6 %	68.6 %	409.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	-0.1150 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0010 ppm	-0.1001 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	-0.1194 ppm	0.0023 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0004 ppm	-0.1254 ppm	-0.0030 ppm
Recovery Percentage 1	0.160 %	-0.207 %	-0.174 %	2.036 %	1.594 %	-4.598 %	0.199 %
Concentration RSD	336.6 %	292.8 %	1,549.5 %	51.8 %	37.8 %	11.5 %	1,433.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0002 ppm	0.0013 ppm	-0.1366 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0014 ppm	-0.1324 ppm	0.0003 ppm	0.0001 ppm	-0.0006 ppm	0.0027 ppm
Concentration per Run 2	-0.0003 ppm	0.0012 ppm	-0.1354 ppm	0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0019 ppm
Concentration per Run 3	-0.0002 ppm	0.0012 ppm	-0.1421 ppm	0.0001 ppm	-0.0005 ppm	0.0006 ppm	0.0009 ppm
Recovery Percentage 1	-1.903 %	2.541 %	-6.832 %	0.877 %	-0.191 %	0.464 %	18.408 %
Concentration RSD	90.8 %	9.3 %	3.7 %	39.0 %	2,309.7 %	310.7 %	50.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0018 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 1	0.0024 ppm	0.0008 ppm	0.0000 ppm	-0.0004 ppm	-0.0006 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 2	0.0015 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run 3	0.0016 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0012 ppm
Recovery Percentage 1	0.366 %	1.223 %	-0.296 %	-1.218 %	-0.004 %	-0.906 %	-23.423 %
Concentration RSD	27.2 %	27.6 %	55.7 %	187.0 %	73,603.4 %	108.6 %	2.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.0731 %	93.8723 %	95.9452 %	101.0424 %	98.4874 %	99.3446 %	0.0002 ppm
Concentration per Run 1	98.2722 %	91.9305 %	96.3049 %	102.4867 %	99.5415 %	98.7142 %	0.0004 ppm
Concentration per Run 2	96.7346 %	95.1085 %	96.2636 %	100.4394 %	98.7468 %	99.2172 %	0.0000 ppm
Concentration per Run 3	96.2127 %	94.5781 %	95.2671 %	100.2010 %	97.1739 %	100.1024 %	0.0002 ppm
Recovery Percentage 1							1.808 %
Concentration RSD	1.1 %	1.8 %	0.6 %	1.2 %	1.2 %	0.7 %	125.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-5 WG2038522
Analysis started at: 3/10/2025 11:12:00 PM
Rack: 1
Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0525 ppm	2.2123 ppm	0.1216 ppm	1.0816 ppm	2.0914 ppm	0.0536 ppm	41.3546 ppm
Concentration per Run 1	0.0523 ppm	2.2016 ppm	0.1212 ppm	1.0812 ppm	2.0628 ppm	0.0533 ppm	41.1819 ppm
Concentration per Run 2	0.0528 ppm	2.2023 ppm	0.1205 ppm	1.0794 ppm	2.0822 ppm	0.0532 ppm	41.1744 ppm
Concentration per Run 3	0.0525 ppm	2.2329 ppm	0.1231 ppm	1.0842 ppm	2.1293 ppm	0.0542 ppm	41.7075 ppm
Concentration RSD	0.5 %	0.8 %	1.1 %	0.2 %	1.6 %	1.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0532 ppm	0.4895 ppm	0.1965 ppm	0.2704 ppm	1.1843 ppm	30.2009 ppm	20.5948 ppm
Concentration per Run 1	0.0533 ppm	0.4900 ppm	0.1968 ppm	0.2697 ppm	1.1712 ppm	29.8521 ppm	20.5827 ppm
Concentration per Run 2	0.0532 ppm	0.4882 ppm	0.1961 ppm	0.2726 ppm	1.1805 ppm	30.0303 ppm	20.6801 ppm
Concentration per Run 3	0.0532 ppm	0.4904 ppm	0.1965 ppm	0.2690 ppm	1.2011 ppm	30.7204 ppm	20.5216 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.7 %	1.3 %	1.5 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.7312 ppm	0.9841 ppm	176.2434 ppm	0.5052 ppm	0.5398 ppm	0.5008 ppm	0.1171 ppm
Concentration per Run 1	0.7282 ppm	0.9795 ppm	176.3319 ppm	0.5049 ppm	0.5384 ppm	0.4975 ppm	0.1175 ppm
Concentration per Run 2	0.7301 ppm	0.9833 ppm	175.0140 ppm	0.5050 ppm	0.5398 ppm	0.5012 ppm	0.1156 ppm
Concentration per Run 3	0.7352 ppm	0.9896 ppm	177.3844 ppm	0.5059 ppm	0.5413 ppm	0.5037 ppm	0.1181 ppm
Concentration RSD	0.5 %	0.5 %	0.7 %	0.1 %	0.3 %	0.6 %	1.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.2588 ppm	0.9694 ppm	1.2019 ppm	0.9651 ppm	0.1122 ppm	0.5096 ppm	0.5313 ppm
Concentration per Run 1	7.2694 ppm	0.9690 ppm	1.1948 ppm	0.9668 ppm	0.1131 ppm	0.5100 ppm	0.5329 ppm
Concentration per Run 2	7.2434 ppm	0.9682 ppm	1.1973 ppm	0.9668 ppm	0.1122 ppm	0.5078 ppm	0.5309 ppm
Concentration per Run 3	7.2637 ppm	0.9711 ppm	1.2135 ppm	0.9618 ppm	0.1112 ppm	0.5111 ppm	0.5302 ppm
Concentration RSD	0.2 %	0.2 %	0.8 %	0.3 %	0.8 %	0.3 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.9487 %	91.4338 %	91.7145 %	100.4040 %	89.1579 %	96.8706 %	0.0011 ppm
Concentration per Run 1	97.7263 %	91.3108 %	91.8226 %	100.4978 %	89.1062 %	96.7875 %	0.0004 ppm
Concentration per Run 2	97.1638 %	91.1648 %	91.7849 %	100.5867 %	89.3668 %	96.5865 %	0.0006 ppm
Concentration per Run 3	95.9559 %	91.8259 %	91.5359 %	100.1274 %	89.0006 %	97.2378 %	0.0022 ppm
Concentration RSD	0.9 %	0.4 %	0.2 %	0.2 %	0.2 %	0.3 %	97.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: WG2038522-6 WG2038522
Analysis started at: 3/10/2025 11:18:24 PM
Rack: 1
Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0156 ppm	0.0012 ppm	0.0772 ppm	0.0386 ppm	0.0000 ppm	31.7215 ppm
Concentration per Run 1	0.0000 ppm	0.0181 ppm	0.0034 ppm	0.0772 ppm	0.0382 ppm	0.0000 ppm	32.0397 ppm
Concentration per Run 2	-0.0001 ppm	0.0097 ppm	0.0003 ppm	0.0773 ppm	0.0385 ppm	0.0001 ppm	31.3739 ppm
Concentration per Run 3	-0.0002 ppm	0.0190 ppm	-0.0001 ppm	0.0770 ppm	0.0392 ppm	-0.0001 ppm	31.7510 ppm
Concentration RSD	128.4 %	33.0 %	156.5 %	0.2 %	1.3 %	828.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0083 ppm	0.1053 ppm	19.0186 ppm	10.8105 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0082 ppm	0.1058 ppm	18.7522 ppm	10.7990 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0003 ppm	0.0082 ppm	0.1034 ppm	18.9601 ppm	10.8390 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0085 ppm	0.1066 ppm	19.3435 ppm	10.7934 ppm
Concentration RSD	477.6 %	18.2 %	43.9 %	2.2 %	1.6 %	1.6 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.2004 ppm	0.0039 ppm	169.2535 ppm	0.0015 ppm	-0.0027 ppm	0.0025 ppm	-0.0011 ppm
Concentration per Run 1	0.2015 ppm	0.0043 ppm	171.3116 ppm	0.0016 ppm	-0.0036 ppm	0.0035 ppm	-0.0018 ppm
Concentration per Run 2	0.1985 ppm	0.0039 ppm	167.1855 ppm	0.0014 ppm	-0.0021 ppm	0.0024 ppm	-0.0010 ppm
Concentration per Run 3	0.2013 ppm	0.0035 ppm	169.2634 ppm	0.0016 ppm	-0.0023 ppm	0.0015 ppm	-0.0004 ppm
Concentration RSD	0.8 %	10.6 %	1.2 %	8.4 %	30.5 %	39.5 %	67.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	6.1796 ppm	0.0016 ppm	0.1906 ppm	0.0009 ppm	-0.0002 ppm	0.0002 ppm	0.0413 ppm
Concentration per Run 1	6.1990 ppm	0.0017 ppm	0.1917 ppm	0.0011 ppm	-0.0002 ppm	0.0003 ppm	0.0415 ppm
Concentration per Run 2	6.1666 ppm	0.0014 ppm	0.1888 ppm	0.0008 ppm	-0.0014 ppm	0.0002 ppm	0.0414 ppm
Concentration per Run 3	6.1732 ppm	0.0018 ppm	0.1912 ppm	0.0008 ppm	0.0011 ppm	0.0002 ppm	0.0410 ppm
Concentration RSD	0.3 %	13.7 %	0.8 %	17.8 %	808.9 %	18.9 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6766 %	91.5295 %	92.0535 %	97.8929 %	89.4956 %	95.6136 %	0.0016 ppm
Concentration per Run 1	98.1819 %	91.6325 %	91.7099 %	96.8079 %	89.2011 %	95.6518 %	0.0013 ppm
Concentration per Run 2	98.1405 %	91.3662 %	92.1241 %	99.0226 %	89.7283 %	95.5389 %	0.0013 ppm
Concentration per Run 3	96.7074 %	91.5898 %	92.3265 %	97.8481 %	89.5576 %	95.6500 %	0.0021 ppm
Concentration RSD	0.9 %	0.2 %	0.3 %	1.1 %	0.3 %	0.1 %	31.2 %

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3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511628-01 WG2038522
Analysis started at: 3/10/2025 11:25:05 PM
Rack: 1
Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.2903 ppm	0.0236 ppm	0.5651 ppm	0.1545 ppm	0.0000 ppm	348.2370 ppm
Concentration per Run 1	0.0000 ppm	0.2922 ppm	0.0246 ppm	0.5654 ppm	0.1537 ppm	-0.0001 ppm	349.9113 ppm
Concentration per Run 2	-0.0003 ppm	0.2907 ppm	0.0234 ppm	0.5638 ppm	0.1538 ppm	0.0000 ppm	345.3219 ppm
Concentration per Run 3	-0.0005 ppm	0.2880 ppm	0.0227 ppm	0.5661 ppm	0.1561 ppm	0.0000 ppm	349.4777 ppm
Concentration RSD	86.0 %	0.7 %	4.2 %	0.2 %	0.9 %	61.7 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0015 ppm	0.0297 ppm	0.1611 ppm	157.0573 ppm	38.0105 ppm
Concentration per Run 1	-0.0004 ppm	0.0002 ppm	0.0018 ppm	0.0294 ppm	0.1610 ppm	156.2477 ppm	37.9644 ppm
Concentration per Run 2	-0.0003 ppm	0.0000 ppm	0.0015 ppm	0.0299 ppm	0.1601 ppm	155.9169 ppm	37.9658 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	0.0010 ppm	0.0297 ppm	0.1624 ppm	159.0074 ppm	38.1014 ppm
Concentration RSD	15.9 %	11,168.0 %	28.1 %	0.8 %	0.7 %	1.1 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0416 ppm	0.0104 ppm	1,067.7979 [SIC 500]	0.0155 ppm	-0.0202 ppm	0.0052 ppm	-0.0006 ppm
Concentration per Run 1	0.0418 ppm	0.0104 ppm	1,087.4266 ppm	0.0156 ppm	-0.0197 ppm	0.0054 ppm	0.0018 ppm
Concentration per Run 2	0.0411 ppm	0.0104 ppm	1,031.2406 ppm	0.0154 ppm	-0.0204 ppm	0.0046 ppm	-0.0003 ppm
Concentration per Run 3	0.0419 ppm	0.0103 ppm	1,084.7265 ppm	0.0155 ppm	-0.0204 ppm	0.0056 ppm	-0.0033 ppm
Concentration RSD	1.0 %	0.7 %	3.0 %	0.7 %	2.0 %	10.3 %	434.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	45.2638 [SIC 200]	0.0018 ppm	1.1872 ppm	0.0016 ppm	-0.0025 ppm	0.0016 ppm	0.2806 ppm
Concentration per Run 1	45.5257 ppm	0.0016 ppm	1.1918 ppm	0.0016 ppm	-0.0037 ppm	0.0018 ppm	0.2823 ppm
Concentration per Run 2	45.2877 ppm	0.0018 ppm	1.1790 ppm	0.0016 ppm	-0.0013 ppm	0.0015 ppm	0.2803 ppm
Concentration per Run 3	44.9781 ppm	0.0020 ppm	1.1906 ppm	0.0015 ppm	-0.0025 ppm	0.0015 ppm	0.2793 ppm
Concentration RSD	0.6 %	11.9 %	0.6 %	3.8 %	46.5 %	9.9 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.9263 %	82.4926 %	82.2841 %	95.1423 %	70.2041 %	85.8775 %	0.0359 ppm
Concentration per Run 1	93.7389 %	82.7071 %	82.3986 %	94.9830 %	69.8842 %	85.9643 %	0.0368 ppm
Concentration per Run 2	93.1918 %	82.4807 %	82.3997 %	95.5215 %	70.1237 %	85.8724 %	0.0352 ppm
Concentration per Run 3	91.8483 %	82.2900 %	82.0540 %	94.9223 %	70.6043 %	85.7957 %	0.0357 ppm
Concentration RSD	1.0 %	0.3 %	0.2 %	0.3 %	0.5 %	0.1 %	2.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511649-01 WG2038522
Analysis started at: 3/10/2025 11:31:52 PM
Rack: 1
Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.2750 ppm	0.0032 ppm	1.4171 ppm	0.0035 ppm	0.0000 ppm	8.9462 ppm
Concentration per Run 1	-0.0001 ppm	0.2715 ppm	0.0033 ppm	1.4153 ppm	0.0034 ppm	0.0000 ppm	8.9871 ppm
Concentration per Run 2	-0.0001 ppm	0.2794 ppm	0.0039 ppm	1.4137 ppm	0.0036 ppm	0.0000 ppm	8.9244 ppm
Concentration per Run 3	-0.0002 ppm	0.2741 ppm	0.0025 ppm	1.4223 ppm	0.0034 ppm	0.0000 ppm	8.9272 ppm
Concentration RSD	16.9 %	1.5 %	20.5 %	0.3 %	2.7 %	45.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0021 ppm	0.0779 ppm	0.1491 ppm	0.0174 ppm	1.0284 ppm	27.3536 ppm	0.1445 ppm
Concentration per Run 1	0.0021 ppm	0.0779 ppm	0.1493 ppm	0.0172 ppm	1.0345 ppm	27.1938 ppm	0.1465 ppm
Concentration per Run 2	0.0021 ppm	0.0778 ppm	0.1493 ppm	0.0173 ppm	1.0285 ppm	27.4568 ppm	0.1438 ppm
Concentration per Run 3	0.0021 ppm	0.0779 ppm	0.1488 ppm	0.0177 ppm	1.0222 ppm	27.4101 ppm	0.1431 ppm
Concentration RSD	2.0 %	0.1 %	0.2 %	1.8 %	0.6 %	0.5 %	1.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0051 ppm	0.0200 ppm	907.6461 [SIC 500]	1.0619 ppm	-0.0047 ppm	0.0212 ppm	0.0001 ppm
Concentration per Run 1	0.0052 ppm	0.0200 ppm	941.2667 ppm	1.0617 ppm	-0.0046 ppm	0.0209 ppm	0.0003 ppm
Concentration per Run 2	0.0052 ppm	0.0201 ppm	899.9552 ppm	1.0616 ppm	-0.0048 ppm	0.0201 ppm	0.0003 ppm
Concentration per Run 3	0.0050 ppm	0.0200 ppm	881.7163 ppm	1.0623 ppm	-0.0047 ppm	0.0225 ppm	-0.0002 ppm
Concentration RSD	1.4 %	0.2 %	3.4 %	0.0 %	2.0 %	5.9 %	243.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	9.1933 ppm	0.0041 ppm	0.2353 ppm	0.0000 ppm	-0.0036 ppm	-0.0002 ppm	0.0056 ppm
Concentration per Run 1	9.2031 ppm	0.0040 ppm	0.2365 ppm	-0.0002 ppm	-0.0016 ppm	-0.0003 ppm	0.0056 ppm
Concentration per Run 2	9.1812 ppm	0.0040 ppm	0.2352 ppm	0.0004 ppm	-0.0043 ppm	-0.0002 ppm	0.0057 ppm
Concentration per Run 3	9.1954 ppm	0.0044 ppm	0.2342 ppm	-0.0002 ppm	-0.0050 ppm	0.0000 ppm	0.0055 ppm
Concentration RSD	0.1 %	6.1 %	0.5 %	4,249.0 %	49.2 %	97.3 %	2.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.0531 %	85.0103 %	86.1830 %	97.8035 %	75.0695 %	89.4653 %	0.0461 ppm
Concentration per Run 1	95.4828 %	85.1564 %	86.2550 %	97.4124 %	75.0678 %	89.5403 %	0.0463 ppm
Concentration per Run 2	95.3175 %	85.2384 %	86.3597 %	98.2096 %	75.1745 %	89.6703 %	0.0460 ppm
Concentration per Run 3	94.3591 %	84.6362 %	85.9342 %	97.7885 %	74.9661 %	89.1852 %	0.0461 ppm
Concentration RSD	0.6 %	0.4 %	0.3 %	0.4 %	0.1 %	0.3 %	0.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511710-02 WG2038522
Analysis started at: 3/10/2025 11:38:29 PM
Rack: 1
Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	2.3706 ppm	0.0446 ppm	0.0217 ppm	0.1351 ppm	0.0000 ppm	35.4213 ppm
Concentration per Run 1	0.0001 ppm	2.3513 ppm	0.0447 ppm	0.0216 ppm	0.1325 ppm	0.0000 ppm	34.9849 ppm
Concentration per Run 2	0.0002 ppm	2.3807 ppm	0.0442 ppm	0.0216 ppm	0.1360 ppm	0.0000 ppm	35.6297 ppm
Concentration per Run 3	0.0002 ppm	2.3797 ppm	0.0448 ppm	0.0219 ppm	0.1368 ppm	0.0000 ppm	35.6494 ppm
Concentration RSD	21.2 %	0.7 %	0.8 %	0.7 %	1.7 %	207.2 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	0.0097 ppm	0.0010 ppm	0.0090 ppm	23.9557 ppm	141.6700 ppm	6.2357 ppm
Concentration per Run 1	0.0003 ppm	0.0097 ppm	0.0012 ppm	0.0090 ppm	23.6270 ppm	139.7006 ppm	6.1954 ppm
Concentration per Run 2	0.0002 ppm	0.0098 ppm	0.0010 ppm	0.0090 ppm	24.0658 ppm	142.5318 ppm	6.2561 ppm
Concentration per Run 3	0.0002 ppm	0.0097 ppm	0.0008 ppm	0.0090 ppm	24.1744 ppm	142.7776 ppm	6.2555 ppm
Concentration RSD	13.5 %	0.7 %	16.3 %	0.2 %	1.2 %	1.2 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	2.1254 ppm	0.0003 ppm	39.1891 ppm	0.0012 ppm	-0.0059 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 1	2.1040 ppm	0.0005 ppm	39.1948 ppm	0.0011 ppm	-0.0057 ppm	-0.0025 ppm	0.0018 ppm
Concentration per Run 2	2.1338 ppm	0.0000 ppm	39.2454 ppm	0.0012 ppm	-0.0060 ppm	-0.0004 ppm	-0.0009 ppm
Concentration per Run 3	2.1383 ppm	0.0004 ppm	39.1270 ppm	0.0013 ppm	-0.0059 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	0.9 %	83.1 %	0.2 %	8.4 %	2.4 %	177.1 %	378.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	13.0940 [SIC 200]	0.0009 ppm	0.1850 ppm	0.0010 ppm	-0.0023 ppm	0.0058 ppm	0.0077 ppm
Concentration per Run 1	13.0055 ppm	0.0010 ppm	0.1839 ppm	0.0010 ppm	-0.0016 ppm	0.0057 ppm	0.0076 ppm
Concentration per Run 2	13.1152 ppm	0.0009 ppm	0.1854 ppm	0.0012 ppm	-0.0024 ppm	0.0060 ppm	0.0078 ppm
Concentration per Run 3	13.1613 ppm	0.0008 ppm	0.1858 ppm	0.0009 ppm	-0.0029 ppm	0.0057 ppm	0.0077 ppm
Concentration RSD	0.6 %	12.0 %	0.6 %	11.8 %	28.0 %	2.6 %	1.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.7402 %	92.4682 %	92.8270 %	103.5836 %	89.8123 %	97.0344 %	0.0022 ppm
Concentration per Run 1	102.2843 %	92.7480 %	93.4975 %	104.7757 %	90.5734 %	97.3857 %	0.0022 ppm
Concentration per Run 2	98.9967 %	92.5706 %	92.6384 %	103.3266 %	89.6536 %	97.0704 %	0.0021 ppm
Concentration per Run 3	97.9395 %	92.0859 %	92.3451 %	102.6485 %	89.2100 %	96.6471 %	0.0023 ppm
Concentration RSD	2.3 %	0.4 %	0.6 %	1.0 %	0.8 %	0.4 %	3.7 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511727-01 WG2038522
Analysis started at: 3/10/2025 11:45:00 PM
Rack: 1
Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	3.3474 ppm	0.0004 ppm	0.0285 ppm	0.0167 ppm	0.0000 ppm	10.2538 ppm
Concentration per Run 1	-0.0002 ppm	3.3393 ppm	0.0000 ppm	0.0283 ppm	0.0164 ppm	0.0000 ppm	10.2421 ppm
Concentration per Run 2	0.0001 ppm	3.3594 ppm	0.0000 ppm	0.0286 ppm	0.0168 ppm	0.0000 ppm	10.3056 ppm
Concentration per Run 3	0.0000 ppm	3.3434 ppm	0.0012 ppm	0.0284 ppm	0.0168 ppm	0.0000 ppm	10.2136 ppm
Concentration RSD	397.0 %	0.3 %	167.1 %	0.5 %	1.5 %	73,759.0 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0001 ppm	0.0048 ppm	0.5381 ppm	2.8238 ppm	2.4783 ppm	2.5263 ppm
Concentration per Run 1	0.0003 ppm	-0.0001 ppm	0.0050 ppm	0.5427 ppm	2.8127 ppm	2.4052 ppm	2.5438 ppm
Concentration per Run 2	0.0003 ppm	-0.0001 ppm	0.0047 ppm	0.5444 ppm	2.8382 ppm	2.5067 ppm	2.5305 ppm
Concentration per Run 3	0.0002 ppm	-0.0001 ppm	0.0046 ppm	0.5273 ppm	2.8205 ppm	2.5230 ppm	2.5047 ppm
Concentration RSD	25.5 %	10.4 %	4.9 %	1.8 %	0.5 %	2.6 %	0.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0699 ppm	0.0008 ppm	79.7136 ppm	0.0047 ppm	0.0076 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 1	0.0696 ppm	0.0007 ppm	79.7450 ppm	0.0046 ppm	0.0076 ppm	0.0012 ppm	0.0022 ppm
Concentration per Run 2	0.0705 ppm	0.0007 ppm	79.3697 ppm	0.0049 ppm	0.0077 ppm	0.0007 ppm	0.0006 ppm
Concentration per Run 3	0.0697 ppm	0.0009 ppm	80.0260 ppm	0.0045 ppm	0.0076 ppm	-0.0001 ppm	-0.0016 ppm
Concentration RSD	0.7 %	15.8 %	0.4 %	4.9 %	0.6 %	110.5 %	486.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.1676 ppm	0.0009 ppm	0.0511 ppm	0.0007 ppm	-0.0009 ppm	0.0003 ppm	0.5560 ppm
Concentration per Run 1	2.1717 ppm	0.0014 ppm	0.0508 ppm	0.0007 ppm	0.0001 ppm	0.0005 ppm	0.5575 ppm
Concentration per Run 2	2.1701 ppm	0.0008 ppm	0.0513 ppm	0.0008 ppm	-0.0017 ppm	0.0003 ppm	0.5596 ppm
Concentration per Run 3	2.1610 ppm	0.0006 ppm	0.0511 ppm	0.0005 ppm	-0.0011 ppm	0.0001 ppm	0.5509 ppm
Concentration RSD	0.3 %	47.5 %	0.4 %	24.3 %	98.4 %	65.4 %	0.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.8127 %	93.1182 %	93.7678 %	101.2990 %	94.3162 %	97.5314 %	-0.0003 ppm
Concentration per Run 1	103.1421 %	92.7176 %	93.5771 %	101.5030 %	94.1229 %	97.0947 %	0.0003 ppm
Concentration per Run 2	99.3845 %	93.2528 %	93.9847 %	100.5798 %	94.2971 %	97.5666 %	-0.0009 ppm
Concentration per Run 3	99.9116 %	93.3841 %	93.7417 %	101.8141 %	94.5286 %	97.9328 %	-0.0002 ppm
Concentration RSD	2.0 %	0.4 %	0.2 %	0.6 %	0.2 %	0.4 %	203.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511728-01 WG2038522
Analysis started at: 3/10/2025 11:51:31 PM
Rack: 1
Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.9883 ppm	0.0007 ppm	0.1038 ppm	0.0017 ppm	0.0000 ppm	15.3035 ppm
Concentration per Run 1	-0.0003 ppm	0.9957 ppm	0.0000 ppm	0.1038 ppm	0.0017 ppm	0.0000 ppm	15.4181 ppm
Concentration per Run 2	-0.0004 ppm	0.9836 ppm	0.0011 ppm	0.1041 ppm	0.0017 ppm	0.0000 ppm	15.2634 ppm
Concentration per Run 3	0.0000 ppm	0.9857 ppm	0.0012 ppm	0.1033 ppm	0.0018 ppm	-0.0001 ppm	15.2291 ppm
Concentration RSD	85.9 %	0.7 %	92.6 %	0.4 %	4.2 %	1,254.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0005 ppm	0.0033 ppm	0.0707 ppm	5.1880 ppm	3.0879 ppm	2.7429 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0034 ppm	0.0704 ppm	5.2030 ppm	3.0546 ppm	2.7423 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0033 ppm	0.0709 ppm	5.1780 ppm	3.1080 ppm	2.7493 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0033 ppm	0.0708 ppm	5.1830 ppm	3.1011 ppm	2.7372 ppm
Concentration RSD	122.5 %	21.8 %	2.6 %	0.4 %	0.3 %	0.9 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1040 ppm	0.0020 ppm	186.4957 ppm	0.0163 ppm	0.0019 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.1048 ppm	0.0022 ppm	184.4875 ppm	0.0166 ppm	0.0019 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 2	0.1037 ppm	0.0017 ppm	187.1420 ppm	0.0162 ppm	0.0017 ppm	-0.0015 ppm	0.0019 ppm
Concentration per Run 3	0.1037 ppm	0.0020 ppm	187.8575 ppm	0.0161 ppm	0.0020 ppm	0.0010 ppm	-0.0002 ppm
Concentration RSD	0.6 %	13.4 %	1.0 %	1.6 %	7.6 %	1,025.9 %	120.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.4915 ppm	0.0006 ppm	0.1603 ppm	0.0408 ppm	-0.0007 ppm	0.0011 ppm	0.0870 ppm
Concentration per Run 1	1.4942 ppm	0.0008 ppm	0.1611 ppm	0.0406 ppm	-0.0008 ppm	0.0008 ppm	0.0870 ppm
Concentration per Run 2	1.4901 ppm	0.0004 ppm	0.1602 ppm	0.0402 ppm	-0.0011 ppm	0.0012 ppm	0.0868 ppm
Concentration per Run 3	1.4902 ppm	0.0004 ppm	0.1595 ppm	0.0416 ppm	-0.0002 ppm	0.0013 ppm	0.0873 ppm
Concentration RSD	0.2 %	40.2 %	0.5 %	1.8 %	63.6 %	25.1 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.3886 %	92.1781 %	93.1021 %	99.3649 %	90.2044 %	96.1971 %	0.0000 ppm
Concentration per Run 1	99.1125 %	92.1312 %	92.9510 %	98.7130 %	90.1935 %	96.1930 %	0.0002 ppm
Concentration per Run 2	97.9274 %	92.2116 %	93.0129 %	99.4285 %	90.2197 %	96.2380 %	0.0002 ppm
Concentration per Run 3	98.1260 %	92.1916 %	93.3423 %	99.9531 %	90.1999 %	96.1602 %	-0.0004 ppm
Concentration RSD	0.6 %	0.0 %	0.2 %	0.6 %	0.0 %	0.0 %	59,530.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-01 WG2038522
Analysis started at: 3/10/2025 11:58:08 PM
Rack: 1
Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0942 ppm	-0.0005 ppm	0.0151 ppm	0.0283 ppm	0.0000 ppm	31.5254 ppm
Concentration per Run 1	0.0008 ppm	0.0943 ppm	-0.0008 ppm	0.0151 ppm	0.0276 ppm	0.0000 ppm	31.4457 ppm
Concentration per Run 2	0.0006 ppm	0.0940 ppm	-0.0005 ppm	0.0151 ppm	0.0286 ppm	0.0000 ppm	31.7201 ppm
Concentration per Run 3	0.0005 ppm	0.0942 ppm	-0.0002 ppm	0.0152 ppm	0.0288 ppm	0.0000 ppm	31.4102 ppm
Concentration RSD	25.4 %	0.2 %	58.3 %	0.5 %	2.3 %	934.1 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0027 ppm	0.0025 ppm	0.1806 ppm	1.0534 ppm	9.9056 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0026 ppm	0.0027 ppm	0.1790 ppm	1.0375 ppm	9.9456 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0026 ppm	0.0024 ppm	0.1815 ppm	1.0493 ppm	9.8902 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0028 ppm	0.0024 ppm	0.1815 ppm	1.0733 ppm	9.8812 ppm
Concentration RSD	2,358.3 %	6.3 %	5.8 %	6.4 %	0.8 %	1.7 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0172 ppm	0.0007 ppm	4.4783 ppm	0.0021 ppm	-0.0009 ppm	-0.0006 ppm	0.0011 ppm
Concentration per Run 1	0.0173 ppm	0.0006 ppm	4.4832 ppm	0.0020 ppm	-0.0004 ppm	-0.0005 ppm	0.0018 ppm
Concentration per Run 2	0.0172 ppm	0.0009 ppm	4.4808 ppm	0.0022 ppm	-0.0012 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 3	0.0170 ppm	0.0006 ppm	4.4709 ppm	0.0020 ppm	-0.0010 ppm	-0.0009 ppm	0.0011 ppm
Concentration RSD	0.8 %	24.3 %	0.1 %	6.9 %	48.2 %	38.4 %	64.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.3198 ppm	0.0009 ppm	0.0623 ppm	0.0043 ppm	-0.0007 ppm	0.0002 ppm	0.0028 ppm
Concentration per Run 1	3.3200 ppm	0.0011 ppm	0.0624 ppm	0.0049 ppm	-0.0006 ppm	0.0001 ppm	0.0028 ppm
Concentration per Run 2	3.3152 ppm	0.0007 ppm	0.0625 ppm	0.0036 ppm	-0.0008 ppm	0.0002 ppm	0.0028 ppm
Concentration per Run 3	3.3241 ppm	0.0010 ppm	0.0620 ppm	0.0044 ppm	-0.0008 ppm	0.0003 ppm	0.0028 ppm
Concentration RSD	0.1 %	25.6 %	0.4 %	14.3 %	17.0 %	54.3 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.3134 %	95.5635 %	95.5149 %	97.4840 %	96.4113 %	99.1459 %	-0.0011 ppm
Concentration per Run 1	101.4587 %	95.4474 %	95.5840 %	97.3900 %	96.3971 %	98.9669 %	-0.0007 ppm
Concentration per Run 2	98.0032 %	95.4696 %	95.5899 %	96.6371 %	96.5819 %	99.1007 %	-0.0011 ppm
Concentration per Run 3	98.4783 %	95.7736 %	95.3708 %	98.4250 %	96.2548 %	99.3703 %	-0.0015 ppm
Concentration RSD	1.9 %	0.2 %	0.1 %	0.9 %	0.2 %	0.2 %	35.4 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-02 WG2038522
Analysis started at: 3/11/2025 12:04:42 AM
Rack: 1
Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.9759 ppm	0.0004 ppm	0.0097 ppm	0.0510 ppm	0.0001 ppm	9.4855 ppm
Concentration per Run 1	0.0009 ppm	0.9790 ppm	0.0009 ppm	0.0093 ppm	0.0495 ppm	0.0001 ppm	9.4384 ppm
Concentration per Run 2	0.0007 ppm	0.9750 ppm	0.0006 ppm	0.0100 ppm	0.0515 ppm	0.0000 ppm	9.5530 ppm
Concentration per Run 3	0.0008 ppm	0.9738 ppm	-0.0003 ppm	0.0097 ppm	0.0519 ppm	0.0001 ppm	9.4650 ppm
Concentration RSD	13.1 %	0.3 %	159.7 %	3.3 %	2.5 %	19.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0014 ppm	0.0031 ppm	0.0042 ppm	1.6166 ppm	1.1856 ppm	3.4357 ppm
Concentration per Run 1	0.0000 ppm	0.0014 ppm	0.0031 ppm	0.0042 ppm	1.6043 ppm	1.1378 ppm	3.4510 ppm
Concentration per Run 2	0.0000 ppm	0.0015 ppm	0.0033 ppm	0.0042 ppm	1.6236 ppm	1.2111 ppm	3.4346 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0029 ppm	0.0043 ppm	1.6219 ppm	1.2077 ppm	3.4216 ppm
Concentration RSD	128.0 %	8.0 %	5.5 %	1.4 %	0.7 %	3.5 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1420 ppm	0.0003 ppm	4.7727 ppm	0.0025 ppm	-0.0005 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 1	0.1412 ppm	0.0002 ppm	4.7543 ppm	0.0024 ppm	-0.0007 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 2	0.1426 ppm	0.0005 ppm	4.8213 ppm	0.0026 ppm	-0.0004 ppm	0.0003 ppm	0.0016 ppm
Concentration per Run 3	0.1421 ppm	0.0003 ppm	4.7426 ppm	0.0024 ppm	-0.0004 ppm	-0.0008 ppm	0.0004 ppm
Concentration RSD	0.5 %	50.4 %	0.9 %	5.3 %	24.5 %	703.4 %	149.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2465 ppm	0.0033 ppm	0.0378 ppm	0.0439 ppm	-0.0010 ppm	0.0030 ppm	0.0049 ppm
Concentration per Run 1	5.2145 ppm	0.0034 ppm	0.0375 ppm	0.0453 ppm	-0.0008 ppm	0.0031 ppm	0.0049 ppm
Concentration per Run 2	5.2699 ppm	0.0031 ppm	0.0380 ppm	0.0434 ppm	-0.0011 ppm	0.0031 ppm	0.0049 ppm
Concentration per Run 3	5.2552 ppm	0.0034 ppm	0.0379 ppm	0.0430 ppm	-0.0012 ppm	0.0030 ppm	0.0049 ppm
Concentration RSD	0.5 %	5.3 %	0.6 %	2.8 %	22.9 %	1.8 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.0600 %	95.5079 %	95.9245 %	99.0506 %	97.1560 %	99.2246 %	-0.0003 ppm
Concentration per Run 1	102.3859 %	95.1955 %	96.8212 %	99.2130 %	97.6833 %	98.7062 %	-0.0003 ppm
Concentration per Run 2	99.2469 %	95.8162 %	95.5633 %	98.6985 %	96.9977 %	99.6316 %	-0.0009 ppm
Concentration per Run 3	98.5473 %	95.5120 %	95.3891 %	99.2403 %	96.7869 %	99.3359 %	0.0002 ppm
Concentration RSD	2.0 %	0.3 %	0.8 %	0.3 %	0.5 %	0.5 %	185.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-03 WG2038522
Analysis started at: 3/11/2025 12:11:13 AM
Rack: 1
Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.2751 ppm	-0.0008 ppm	0.0092 ppm	0.0066 ppm	0.0000 ppm	22.7965 ppm
Concentration per Run 1	0.0007 ppm	0.2705 ppm	-0.0024 ppm	0.0092 ppm	0.0065 ppm	0.0000 ppm	22.7172 ppm
Concentration per Run 2	0.0008 ppm	0.2755 ppm	0.0001 ppm	0.0093 ppm	0.0066 ppm	0.0000 ppm	22.7115 ppm
Concentration per Run 3	0.0009 ppm	0.2794 ppm	-0.0003 ppm	0.0089 ppm	0.0066 ppm	0.0000 ppm	22.9609 ppm
Concentration RSD	9.2 %	1.6 %	161.3 %	2.7 %	1.1 %	125.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0023 ppm	0.0014 ppm	0.4473 ppm	0.7872 ppm	2.5540 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0024 ppm	0.0014 ppm	0.4436 ppm	0.7742 ppm	2.5547 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0022 ppm	0.0015 ppm	0.4461 ppm	0.7794 ppm	2.5535 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0022 ppm	0.0014 ppm	0.4523 ppm	0.8079 ppm	2.5538 ppm
Concentration RSD	63.1 %	41.2 %	6.3 %	5.5 %	1.0 %	2.3 %	0.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0421 ppm	0.0007 ppm	6.5489 ppm	0.0006 ppm	-0.0054 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0422 ppm	0.0007 ppm	6.5463 ppm	0.0008 ppm	-0.0056 ppm	-0.0004 ppm	0.0020 ppm
Concentration per Run 2	0.0420 ppm	0.0007 ppm	6.5458 ppm	0.0004 ppm	-0.0047 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0423 ppm	0.0007 ppm	6.5548 ppm	0.0006 ppm	-0.0058 ppm	0.0005 ppm	-0.0013 ppm
Concentration RSD	0.4 %	2.0 %	0.1 %	36.1 %	10.0 %	499.5 %	617.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	11.5615 [SIC 200]	0.0006 ppm	0.1971 ppm	0.0097 ppm	-0.0006 ppm	0.0019 ppm	0.0010 ppm
Concentration per Run 1	11.5152 ppm	0.0008 ppm	0.1969 ppm	0.0093 ppm	-0.0005 ppm	0.0019 ppm	0.0009 ppm
Concentration per Run 2	11.5463 ppm	0.0006 ppm	0.1968 ppm	0.0099 ppm	-0.0006 ppm	0.0019 ppm	0.0010 ppm
Concentration per Run 3	11.6230 ppm	0.0005 ppm	0.1976 ppm	0.0098 ppm	-0.0006 ppm	0.0020 ppm	0.0011 ppm
Concentration RSD	0.5 %	26.2 %	0.2 %	3.2 %	3.8 %	2.7 %	7.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.8239 %	94.1569 %	95.0336 %	98.2482 %	95.8635 %	98.2978 %	0.0011 ppm
Concentration per Run 1	101.2970 %	94.2848 %	94.8849 %	98.7743 %	96.4611 %	98.2116 %	0.0005 ppm
Concentration per Run 2	98.4052 %	94.3092 %	94.9292 %	98.4818 %	96.0596 %	98.5163 %	0.0010 ppm
Concentration per Run 3	96.7696 %	93.8766 %	95.2868 %	97.4886 %	95.0696 %	98.1655 %	0.0018 ppm
Concentration RSD	2.3 %	0.3 %	0.2 %	0.7 %	0.7 %	0.2 %	58.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/11/2025 12:17:47 AM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5099 ppm	0.5158 ppm	0.4735 ppm	0.4943 ppm	0.4967 ppm	0.5152 ppm	0.5283 ppm
Concentration per Run 1	0.5094 ppm	0.5010 ppm	0.4693 ppm	0.4928 ppm	0.4861 ppm	0.5002 ppm	0.5231 ppm
Concentration per Run 2	0.5096 ppm	0.5127 ppm	0.4712 ppm	0.4905 ppm	0.5017 ppm	0.5188 ppm	0.5242 ppm
Concentration per Run 3	0.5106 ppm	0.5338 ppm	0.4800 ppm	0.4996 ppm	0.5023 ppm	0.5264 ppm	0.5377 ppm
Recovery Percentage 1	101.972 %	103.165 %	94.696 %	98.857 %	99.344 %	103.031 %	105.668 %
Concentration RSD	0.1 %	3.2 %	1.2 %	1.0 %	1.9 %	2.6 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4842 ppm	0.4824 ppm	0.4929 ppm	0.4910 ppm	0.5222 ppm	5.1751 ppm	0.5130 ppm
Concentration per Run 1	0.4817 ppm	0.4801 ppm	0.4924 ppm	0.4910 ppm	0.5029 ppm	5.0566 ppm	0.5127 ppm
Concentration per Run 2	0.4821 ppm	0.4790 ppm	0.4932 ppm	0.4906 ppm	0.5276 ppm	5.2529 ppm	0.5127 ppm
Concentration per Run 3	0.4889 ppm	0.4880 ppm	0.4930 ppm	0.4913 ppm	0.5362 ppm	5.2157 ppm	0.5135 ppm
Recovery Percentage 1	96.843 %	96.472 %	98.572 %	98.196 %	104.448 %	103.501 %	102.594 %
Concentration RSD	0.8 %	1.0 %	0.1 %	0.1 %	3.3 %	2.0 %	0.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5095 ppm	0.4860 ppm	10.2533 ppm	0.4950 ppm	0.5020 ppm	0.4837 ppm	0.4723 ppm
Concentration per Run 1	0.4955 ppm	0.4839 ppm	9.9106 ppm	0.4934 ppm	0.4996 ppm	0.4823 ppm	0.4722 ppm
Concentration per Run 2	0.5120 ppm	0.4824 ppm	10.3789 ppm	0.4912 ppm	0.4995 ppm	0.4796 ppm	0.4676 ppm
Concentration per Run 3	0.5211 ppm	0.4917 ppm	10.4703 ppm	0.5005 ppm	0.5069 ppm	0.4893 ppm	0.4772 ppm
Recovery Percentage 1	101.908 %	97.202 %	102.533 %	99.008 %	100.395 %	96.748 %	94.467 %
Concentration RSD	2.6 %	1.0 %	2.9 %	1.0 %	0.8 %	1.0 %	1.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.4981 ppm	0.4936 ppm	0.4982 ppm	0.4864 ppm	0.4952 ppm	0.4752 ppm	0.4796 ppm
Concentration per Run 1	5.4788 ppm	0.4930 ppm	0.4840 ppm	0.4867 ppm	0.4919 ppm	0.4739 ppm	0.4759 ppm
Concentration per Run 2	5.4513 ppm	0.4900 ppm	0.5030 ppm	0.4861 ppm	0.4924 ppm	0.4731 ppm	0.4784 ppm
Concentration per Run 3	5.5643 ppm	0.4978 ppm	0.5076 ppm	0.4866 ppm	0.5014 ppm	0.4786 ppm	0.4847 ppm
Recovery Percentage 1	104.726 %	98.720 %	99.636 %	97.287 %	99.045 %	95.041 %	95.927 %
Concentration RSD	1.1 %	0.8 %	2.5 %	0.1 %	1.1 %	0.6 %	0.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2137 %	94.4658 %	95.9581 %	102.1721 %	96.3462 %	99.2535 %	0.5054 ppm
Concentration per Run 1	98.9532 %	94.1549 %	96.0840 %	104.8356 %	96.4769 %	99.0239 %	0.4893 ppm
Concentration per Run 2	97.0359 %	94.8263 %	96.5689 %	101.9690 %	97.0341 %	99.5067 %	0.5114 ppm
Concentration per Run 3	95.6520 %	94.4163 %	95.2213 %	99.7119 %	95.5276 %	99.2301 %	0.5156 ppm
Recovery Percentage 1							101.089 %
Concentration RSD	1.7 %	0.4 %	0.7 %	2.5 %	0.8 %	0.2 %	2.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/11/2025 12:24:07 AM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0073 ppm	-0.0003 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run 1	-0.0004 ppm	-0.0068 ppm	-0.0009 ppm	0.0017 ppm	-0.0002 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	0.0001 ppm	-0.0088 ppm	0.0004 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 3	-0.0003 ppm	-0.0063 ppm	-0.0002 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0059 ppm
Recovery Percentage 1	-3.073 %	-7.307 %	-5.258 %	5.008 %	-0.379 %	-0.393 %	4.314 %
Concentration RSD	115.7 %	18.2 %	250.1 %	11.4 %	368.9 %	111.2 %	53.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	-0.0905 ppm	-0.0009 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm	-0.0979 ppm	-0.0023 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0791 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0023 ppm	-0.0945 ppm	0.0002 ppm
Recovery Percentage 1	0.599 %	-0.319 %	0.298 %	2.376 %	2.319 %	-3.620 %	-0.866 %
Concentration RSD	63.3 %	186.3 %	229.7 %	72.2 %	88.4 %	11.1 %	147.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0001 ppm	0.0007 ppm	-0.1116 ppm	0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0008 ppm	-0.1062 ppm	0.0001 ppm	-0.0002 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	-0.1146 ppm	0.0001 ppm	-0.0008 ppm	0.0009 ppm	-0.0004 ppm
Concentration per Run 3	-0.0002 ppm	0.0007 ppm	-0.1140 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0013 ppm
Recovery Percentage 1	-0.947 %	1.332 %	-5.580 %	0.352 %	-3.448 %	0.576 %	-4.493 %
Concentration RSD	82.1 %	25.9 %	4.2 %	23.7 %	106.6 %	341.0 %	170.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0022 ppm	0.0005 ppm	0.0000 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 1	0.0024 ppm	0.0005 ppm	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 2	0.0020 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0021 ppm	-0.0002 ppm	-0.0013 ppm
Concentration per Run 3	0.0022 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0013 ppm
Recovery Percentage 1	0.436 %	0.961 %	-0.061 %	-0.991 %	-4.333 %	-1.116 %	-24.803 %
Concentration RSD	9.0 %	46.0 %	250.7 %	240.5 %	128.0 %	102.4 %	5.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.3655 %	95.6251 %	97.5601 %	100.5458 %	99.4612 %	100.1226 %	-0.0011 ppm
Concentration per Run 1	98.5117 %	95.5665 %	97.3619 %	101.8854 %	100.0169 %	99.7962 %	-0.0015 ppm
Concentration per Run 2	96.2871 %	95.7967 %	98.5601 %	99.4286 %	101.1098 %	100.2624 %	-0.0007 ppm
Concentration per Run 3	97.2977 %	95.5121 %	96.7582 %	100.3234 %	97.2570 %	100.3092 %	-0.0010 ppm
Recovery Percentage 1							-10.671 %
Concentration RSD	1.1 %	0.2 %	0.9 %	1.2 %	2.0 %	0.3 %	40.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-09 WG2038522
Analysis started at: 3/11/2025 12:30:46 AM
Rack: 2
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	-0.0010 ppm	0.0009 ppm	0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0289 ppm
Concentration per Run 1	-0.0004 ppm	0.0034 ppm	0.0001 ppm	0.0013 ppm	0.0002 ppm	-0.0001 ppm	0.0299 ppm
Concentration per Run 2	-0.0002 ppm	-0.0011 ppm	0.0019 ppm	0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0267 ppm
Concentration per Run 3	-0.0003 ppm	-0.0054 ppm	0.0006 ppm	0.0013 ppm	0.0003 ppm	0.0000 ppm	0.0302 ppm
Concentration RSD	37.2 %	433.6 %	103.6 %	3.9 %	5.6 %	62.1 %	6.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.0006 ppm	0.1194 ppm	-0.1628 ppm	0.0035 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0011 ppm	0.0005 ppm	0.1196 ppm	-0.1661 ppm	0.0039 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0008 ppm	0.1189 ppm	-0.1566 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0005 ppm	0.1197 ppm	-0.1657 ppm	0.0042 ppm
Concentration RSD	146.1 %	58.8 %	26.6 %	27.5 %	0.4 %	3.3 %	28.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0010 ppm	0.0003 ppm	-0.1315 ppm	0.0003 ppm	-0.0003 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 1	0.0009 ppm	0.0004 ppm	-0.1325 ppm	0.0003 ppm	0.0000 ppm	-0.0010 ppm	0.0013 ppm
Concentration per Run 2	0.0011 ppm	0.0003 ppm	-0.1296 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 3	0.0009 ppm	0.0002 ppm	-0.1322 ppm	0.0004 ppm	-0.0008 ppm	-0.0003 ppm	-0.0001 ppm
Concentration RSD	8.9 %	24.2 %	1.2 %	56.2 %	135.6 %	72.2 %	96.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0089 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm	-0.0008 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 1	0.0089 ppm	0.0002 ppm	0.0004 ppm	0.0002 ppm	-0.0007 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 2	0.0086 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm	-0.0015 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 3	0.0092 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	-0.0002 ppm	-0.0002 ppm	-0.0008 ppm
Concentration RSD	3.5 %	91.7 %	15.3 %	215.6 %	85.7 %	15.6 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.3630 %	96.7755 %	96.9799 %	97.7297 %	99.2990 %	99.9898 %	-0.0016 ppm
Concentration per Run 1	101.0086 %	96.4594 %	97.3961 %	97.1942 %	99.9352 %	99.5875 %	-0.0019 ppm
Concentration per Run 2	98.4955 %	96.8551 %	96.8984 %	97.5466 %	99.2067 %	100.0533 %	-0.0023 ppm
Concentration per Run 3	98.5850 %	97.0121 %	96.6453 %	98.4483 %	98.7551 %	100.3287 %	-0.0006 ppm
Concentration RSD	1.4 %	0.3 %	0.4 %	0.7 %	0.6 %	0.4 %	56.5 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-04 WG2038522
Analysis started at: 3/11/2025 12:37:25 AM
Rack: 1
Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.3162 ppm	0.0000 ppm	0.0230 ppm	0.0864 ppm	0.0000 ppm	104.7717 ppm
Concentration per Run 1	0.0000 ppm	0.3198 ppm	-0.0004 ppm	0.0232 ppm	0.0846 ppm	0.0000 ppm	104.9560 ppm
Concentration per Run 2	0.0001 ppm	0.3165 ppm	0.0004 ppm	0.0232 ppm	0.0872 ppm	0.0000 ppm	105.1451 ppm
Concentration per Run 3	0.0001 ppm	0.3123 ppm	0.0002 ppm	0.0225 ppm	0.0873 ppm	0.0000 ppm	104.2141 ppm
Concentration RSD	129.7 %	1.2 %	1,017.5 %	1.8 %	1.7 %	83.4 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0016 ppm	0.0028 ppm	0.6967 ppm	2.7178 ppm	19.8096 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.0016 ppm	0.0029 ppm	0.6925 ppm	2.6750 ppm	19.8851 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0030 ppm	0.7006 ppm	2.7354 ppm	19.8082 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0018 ppm	0.0026 ppm	0.6971 ppm	2.7429 ppm	19.7355 ppm
Concentration RSD	16.6 %	68.9 %	10.4 %	5.9 %	0.6 %	1.4 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0704 ppm	0.0010 ppm	4.1458 ppm	0.0013 ppm	-0.0020 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run 1	0.0702 ppm	0.0010 ppm	4.1560 ppm	0.0013 ppm	-0.0017 ppm	-0.0007 ppm	0.0015 ppm
Concentration per Run 2	0.0710 ppm	0.0010 ppm	4.1596 ppm	0.0014 ppm	-0.0021 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0699 ppm	0.0009 ppm	4.1220 ppm	0.0013 ppm	-0.0024 ppm	-0.0008 ppm	0.0004 ppm
Concentration RSD	0.8 %	3.9 %	0.5 %	5.6 %	17.4 %	34.8 %	112.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.9856 ppm	0.0012 ppm	0.2676 ppm	0.0118 ppm	-0.0013 ppm	0.0008 ppm	0.0092 ppm
Concentration per Run 1	5.9878 ppm	0.0015 ppm	0.2680 ppm	0.0117 ppm	-0.0009 ppm	0.0007 ppm	0.0092 ppm
Concentration per Run 2	5.9818 ppm	0.0006 ppm	0.2686 ppm	0.0117 ppm	0.0001 ppm	0.0006 ppm	0.0091 ppm
Concentration per Run 3	5.9872 ppm	0.0016 ppm	0.2661 ppm	0.0120 ppm	-0.0030 ppm	0.0009 ppm	0.0093 ppm
Concentration RSD	0.1 %	46.1 %	0.5 %	1.4 %	122.8 %	21.2 %	0.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.1163 %	92.9317 %	92.6973 %	96.8028 %	92.4573 %	96.5855 %	-0.0008 ppm
Concentration per Run 1	100.4151 %	92.9351 %	92.8016 %	96.9745 %	92.6624 %	96.4717 %	-0.0011 ppm
Concentration per Run 2	97.0054 %	92.7848 %	92.6910 %	96.3221 %	92.4695 %	96.3157 %	-0.0013 ppm
Concentration per Run 3	96.9284 %	93.0753 %	92.5993 %	97.1118 %	92.2401 %	96.9690 %	0.0000 ppm
Concentration RSD	2.0 %	0.2 %	0.1 %	0.4 %	0.2 %	0.4 %	88.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-05 WG2038522
Analysis started at: 3/11/2025 12:43:58 AM
Rack: 1
Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0302 ppm	-0.0003 ppm	0.0191 ppm	0.0257 ppm	0.0000 ppm	12.1367 ppm
Concentration per Run 1	0.0002 ppm	0.0324 ppm	-0.0006 ppm	0.0191 ppm	0.0252 ppm	0.0000 ppm	12.0432 ppm
Concentration per Run 2	0.0005 ppm	0.0278 ppm	-0.0014 ppm	0.0193 ppm	0.0258 ppm	0.0000 ppm	12.2150 ppm
Concentration per Run 3	0.0002 ppm	0.0304 ppm	0.0010 ppm	0.0190 ppm	0.0259 ppm	0.0000 ppm	12.1518 ppm
Concentration RSD	46.6 %	7.8 %	367.9 %	0.7 %	1.5 %	249.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0024 ppm	0.0012 ppm	0.0307 ppm	0.9442 ppm	5.2271 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0026 ppm	0.0010 ppm	0.0301 ppm	0.9437 ppm	5.1240 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0024 ppm	0.0010 ppm	0.0310 ppm	0.9480 ppm	5.1090 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0023 ppm	0.0014 ppm	0.0311 ppm	0.9408 ppm	5.4484 ppm
Concentration RSD	55.1 %	15.8 %	5.0 %	17.9 %	1.8 %	0.4 %	3.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0012 ppm	0.0002 ppm	15.5997 ppm	0.0006 ppm	-0.0035 ppm	-0.0014 ppm	0.0003 ppm
Concentration per Run 1	0.0012 ppm	0.0001 ppm	15.5553 ppm	0.0006 ppm	-0.0040 ppm	-0.0011 ppm	0.0011 ppm
Concentration per Run 2	0.0013 ppm	0.0002 ppm	15.6218 ppm	0.0007 ppm	-0.0031 ppm	-0.0023 ppm	0.0008 ppm
Concentration per Run 3	0.0009 ppm	0.0003 ppm	15.6219 ppm	0.0006 ppm	-0.0034 ppm	-0.0009 ppm	-0.0010 ppm
Concentration RSD	16.4 %	40.7 %	0.2 %	6.1 %	12.6 %	52.0 %	427.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.7662 ppm	0.0001 ppm	0.0586 ppm	0.0019 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	7.7823 ppm	0.0004 ppm	0.0582 ppm	0.0018 ppm	-0.0010 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	7.7449 ppm	-0.0005 ppm	0.0587 ppm	0.0021 ppm	-0.0010 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	7.7714 ppm	0.0002 ppm	0.0588 ppm	0.0017 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	0.2 %	794.4 %	0.5 %	11.6 %	104.6 %	879.4 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.8033 %	93.5245 %	95.9848 %	98.6026 %	97.7405 %	97.4471 %	0.0005 ppm
Concentration per Run 1	101.3166 %	95.2233 %	96.1297 %	99.5086 %	97.5236 %	99.2010 %	0.0000 ppm
Concentration per Run 2	97.4860 %	95.3572 %	96.1269 %	97.9265 %	98.1253 %	99.6114 %	0.0005 ppm
Concentration per Run 3	97.6074 %	89.9930 %	95.6979 %	98.3726 %	97.5727 %	93.5287 %	0.0010 ppm
Concentration RSD	2.2 %	3.3 %	0.3 %	0.8 %	0.3 %	3.5 %	95.5 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-07 WG2038522
Analysis started at: 3/11/2025 12:50:34 AM
Rack: 1
Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	0.0144 ppm	0.0014 ppm	0.0269 ppm	0.0221 ppm	0.0000 ppm	11.2886 ppm
Concentration per Run 1	0.0007 ppm	0.0145 ppm	0.0009 ppm	0.0266 ppm	0.0217 ppm	0.0000 ppm	11.3375 ppm
Concentration per Run 2	0.0005 ppm	0.0137 ppm	0.0019 ppm	0.0270 ppm	0.0222 ppm	0.0000 ppm	11.2384 ppm
Concentration per Run 3	0.0008 ppm	0.0151 ppm	0.0015 ppm	0.0271 ppm	0.0225 ppm	0.0000 ppm	11.2900 ppm
Concentration RSD	25.2 %	4.8 %	38.3 %	1.0 %	1.9 %	120.0 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0020 ppm	0.0012 ppm	0.0012 ppm	2.7738 ppm	0.8006 ppm	4.7314 ppm
Concentration per Run 1	0.0000 ppm	0.0020 ppm	0.0011 ppm	0.0013 ppm	2.7609 ppm	0.7874 ppm	4.7046 ppm
Concentration per Run 2	0.0001 ppm	0.0019 ppm	0.0012 ppm	0.0012 ppm	2.7622 ppm	0.7814 ppm	4.7350 ppm
Concentration per Run 3	0.0000 ppm	0.0021 ppm	0.0013 ppm	0.0011 ppm	2.7984 ppm	0.8328 ppm	4.7547 ppm
Concentration RSD	44.2 %	5.0 %	8.4 %	7.6 %	0.8 %	3.5 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0397 ppm	0.0002 ppm	8.9933 ppm	0.0015 ppm	-0.0036 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0398 ppm	0.0001 ppm	8.9359 ppm	0.0016 ppm	-0.0039 ppm	0.0006 ppm	0.0025 ppm
Concentration per Run 2	0.0395 ppm	0.0002 ppm	9.0163 ppm	0.0015 ppm	-0.0035 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 3	0.0397 ppm	0.0002 ppm	9.0277 ppm	0.0014 ppm	-0.0034 ppm	-0.0007 ppm	0.0013 ppm
Concentration RSD	0.3 %	40.0 %	0.6 %	6.8 %	6.5 %	1,936.0 %	55.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	7.8472 ppm	0.0004 ppm	0.0437 ppm	0.0006 ppm	-0.0013 ppm	-0.0002 ppm	0.0043 ppm
Concentration per Run 1	7.8400 ppm	0.0003 ppm	0.0435 ppm	0.0003 ppm	-0.0013 ppm	-0.0001 ppm	0.0044 ppm
Concentration per Run 2	7.8481 ppm	0.0003 ppm	0.0436 ppm	0.0006 ppm	-0.0017 ppm	-0.0003 ppm	0.0042 ppm
Concentration per Run 3	7.8536 ppm	0.0005 ppm	0.0440 ppm	0.0008 ppm	-0.0010 ppm	-0.0001 ppm	0.0043 ppm
Concentration RSD	0.1 %	26.2 %	0.6 %	39.1 %	28.4 %	71.1 %	1.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.6378 %	94.9725 %	96.3158 %	99.0487 %	97.8513 %	98.8940 %	0.0002 ppm
Concentration per Run 1	100.9151 %	95.8109 %	96.7556 %	98.5377 %	97.8730 %	99.5286 %	-0.0003 ppm
Concentration per Run 2	99.8281 %	94.8004 %	96.3427 %	99.8447 %	97.8742 %	98.6682 %	0.0009 ppm
Concentration per Run 3	98.1704 %	94.3062 %	95.8492 %	98.7636 %	97.8069 %	98.4852 %	0.0001 ppm
Concentration RSD	1.4 %	0.8 %	0.5 %	0.7 %	0.0 %	0.6 %	264.2 %

LabBook: WG2038651_03102025T6.imexp

Sample: L2511944-08 WG2038522
Analysis started at: 3/11/2025 12:57:09 AM
Rack: 1
Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	0.0080 ppm	0.0001 ppm	0.0163 ppm	0.0245 ppm	0.0000 ppm	22.4116 ppm
Concentration per Run 1	0.0006 ppm	0.0096 ppm	-0.0005 ppm	0.0165 ppm	0.0236 ppm	0.0000 ppm	22.2657 ppm
Concentration per Run 2	0.0010 ppm	0.0077 ppm	0.0013 ppm	0.0162 ppm	0.0250 ppm	0.0000 ppm	22.4349 ppm
Concentration per Run 3	0.0008 ppm	0.0066 ppm	-0.0005 ppm	0.0161 ppm	0.0250 ppm	0.0000 ppm	22.5342 ppm
Concentration RSD	21.8 %	19.1 %	979.2 %	1.4 %	3.1 %	395.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0018 ppm	0.0013 ppm	0.0154 ppm	2.0127 ppm	5.1292 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0018 ppm	0.0012 ppm	0.0145 ppm	1.9219 ppm	5.1603 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0018 ppm	0.0013 ppm	0.0158 ppm	2.0440 ppm	5.1201 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0018 ppm	0.0014 ppm	0.0159 ppm	2.0721 ppm	5.1072 ppm
Concentration RSD	117.4 %	218.9 %	2.0 %	8.2 %	5.1 %	4.0 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0006 ppm	0.0008 ppm	6.6822 ppm	0.0008 ppm	-0.0017 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 1	0.0010 ppm	0.0007 ppm	6.5559 ppm	0.0009 ppm	-0.0011 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run 2	0.0004 ppm	0.0009 ppm	6.7359 ppm	0.0007 ppm	-0.0021 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0006 ppm	0.0008 ppm	6.7547 ppm	0.0009 ppm	-0.0019 ppm	-0.0005 ppm	0.0004 ppm
Concentration RSD	47.6 %	8.1 %	1.6 %	12.9 %	30.5 %	727.5 %	110.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.9896 ppm	0.0003 ppm	0.0678 ppm	0.0005 ppm	-0.0008 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 1	3.9980 ppm	0.0003 ppm	0.0667 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 2	3.9943 ppm	0.0002 ppm	0.0682 ppm	0.0004 ppm	-0.0012 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 3	3.9767 ppm	0.0004 ppm	0.0684 ppm	0.0006 ppm	-0.0012 ppm	0.0002 ppm	0.0007 ppm
Concentration RSD	0.3 %	39.8 %	1.3 %	19.7 %	82.1 %	29.4 %	6.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.3325 %	95.1572 %	96.1053 %	98.0762 %	97.3262 %	98.8153 %	-0.0010 ppm
Concentration per Run 1	101.7504 %	94.7482 %	96.1273 %	98.3903 %	97.2687 %	98.2747 %	-0.0005 ppm
Concentration per Run 2	98.6622 %	95.0886 %	96.2924 %	98.3178 %	97.5023 %	98.7195 %	-0.0013 ppm
Concentration per Run 3	97.5849 %	95.6350 %	95.8961 %	97.5203 %	97.2075 %	99.4519 %	-0.0013 ppm
Concentration RSD	2.2 %	0.5 %	0.2 %	0.5 %	0.2 %	0.6 %	42.0 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCV
Analysis started at: 3/11/2025 1:03:44 AM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5094 ppm	0.5059 ppm	0.4661 ppm	0.4893 ppm	0.4933 ppm	0.5108 ppm	0.5229 ppm
Concentration per Run 1	0.5073 ppm	0.4862 ppm	0.4669 ppm	0.4894 ppm	0.4835 ppm	0.4908 ppm	0.4992 ppm
Concentration per Run 2	0.5027 ppm	0.5102 ppm	0.4642 ppm	0.4875 ppm	0.4983 ppm	0.5190 ppm	0.5334 ppm
Concentration per Run 3	0.5183 ppm	0.5213 ppm	0.4671 ppm	0.4909 ppm	0.4981 ppm	0.5225 ppm	0.5361 ppm
Recovery Percentage 1	101.884 %	101.177 %	93.213 %	97.856 %	98.659 %	102.154 %	104.580 %
Concentration RSD	1.6 %	3.5 %	0.4 %	0.3 %	1.7 %	3.4 %	3.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4779 ppm	0.4760 ppm	0.4922 ppm	0.4888 ppm	0.5223 ppm	5.0800 ppm	0.5128 ppm
Concentration per Run 1	0.4793 ppm	0.4769 ppm	0.4880 ppm	0.4862 ppm	0.4984 ppm	4.9833 ppm	0.5102 ppm
Concentration per Run 2	0.4752 ppm	0.4739 ppm	0.4847 ppm	0.4823 ppm	0.5330 ppm	5.1337 ppm	0.5075 ppm
Concentration per Run 3	0.4790 ppm	0.4773 ppm	0.5038 ppm	0.4977 ppm	0.5356 ppm	5.1228 ppm	0.5206 ppm
Recovery Percentage 1	95.571 %	95.207 %	98.434 %	97.750 %	104.468 %	101.599 %	102.551 %
Concentration RSD	0.5 %	0.4 %	2.1 %	1.6 %	4.0 %	1.7 %	1.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5058 ppm	0.4795 ppm	10.0682 ppm	0.4888 ppm	0.4946 ppm	0.4747 ppm	0.4651 ppm
Concentration per Run 1	0.4851 ppm	0.4800 ppm	9.7318 ppm	0.4895 ppm	0.4949 ppm	0.4767 ppm	0.4635 ppm
Concentration per Run 2	0.5147 ppm	0.4771 ppm	10.1950 ppm	0.4867 ppm	0.4923 ppm	0.4722 ppm	0.4632 ppm
Concentration per Run 3	0.5177 ppm	0.4814 ppm	10.2780 ppm	0.4901 ppm	0.4967 ppm	0.4753 ppm	0.4687 ppm
Recovery Percentage 1	101.164 %	95.895 %	100.682 %	97.751 %	98.925 %	94.948 %	93.022 %
Concentration RSD	3.6 %	0.5 %	2.9 %	0.4 %	0.4 %	0.5 %	0.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.4263 ppm	0.4866 ppm	0.4913 ppm	0.4858 ppm	0.4890 ppm	0.4680 ppm	0.4730 ppm
Concentration per Run 1	5.4352 ppm	0.4877 ppm	0.4737 ppm	0.4819 ppm	0.4909 ppm	0.4690 ppm	0.4741 ppm
Concentration per Run 2	5.3965 ppm	0.4838 ppm	0.4980 ppm	0.4778 ppm	0.4865 ppm	0.4658 ppm	0.4708 ppm
Concentration per Run 3	5.4472 ppm	0.4883 ppm	0.5022 ppm	0.4977 ppm	0.4894 ppm	0.4692 ppm	0.4740 ppm
Recovery Percentage 1	103.358 %	97.315 %	98.258 %	97.159 %	97.790 %	93.603 %	94.596 %
Concentration RSD	0.5 %	0.5 %	3.1 %	2.2 %	0.5 %	0.4 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.2025 %	94.3619 %	96.8521 %	102.9642 %	97.6827 %	99.2925 %	0.4977 ppm
Concentration per Run 1	99.6912 %	95.3029 %	96.6827 %	107.3174 %	97.3508 %	100.1090 %	0.4828 ppm
Concentration per Run 2	95.8632 %	95.6242 %	97.0736 %	101.1847 %	98.0157 %	100.6134 %	0.5031 ppm
Concentration per Run 3	96.0530 %	92.1584 %	96.7999 %	100.3905 %	97.6815 %	97.1550 %	0.5073 ppm
Recovery Percentage 1							99.550 %
Concentration RSD	2.2 %	2.0 %	0.2 %	3.7 %	0.3 %	1.9 %	2.6 %

LabBook: WG2038651_03102025T6.imexp

Sample: CCB
Analysis started at: 3/11/2025 1:10:04 AM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0076 ppm	-0.0014 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	-0.0001 ppm	-0.0105 ppm	-0.0007 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 2	0.0001 ppm	-0.0068 ppm	-0.0016 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 3	0.0001 ppm	-0.0057 ppm	-0.0019 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Recovery Percentage 1	0.242 %	-7.628 %	-28.202 %	3.381 %	-0.266 %	-0.032 %	1.928 %
Concentration RSD	862.2 %	32.9 %	44.2 %	17.5 %	188.4 %	1,888.1 %	62.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0005 ppm	-0.1365 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0016 ppm	-0.1306 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0004 ppm	0.0002 ppm	0.0004 ppm	-0.1545 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0005 ppm	-0.1245 ppm	-0.0018 ppm
Recovery Percentage 1	-0.079 %	-0.387 %	-1.318 %	3.779 %	1.032 %	-5.461 %	-0.641 %
Concentration RSD	87.1 %	228.4 %	210.6 %	47.1 %	200.7 %	11.6 %	171.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	-0.0002 ppm	0.0006 ppm	-0.1407 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	-0.1397 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	-0.0005 ppm
Concentration per Run 2	-0.0003 ppm	0.0007 ppm	-0.1399 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0032 ppm
Concentration per Run 3	-0.0002 ppm	0.0006 ppm	-0.1424 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0009 ppm
Recovery Percentage 1	-1.602 %	1.270 %	-7.034 %	0.286 %	-0.664 %	1.655 %	12.041 %
Concentration RSD	99.9 %	9.2 %	1.1 %	99.0 %	282.2 %	65.2 %	154.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0021 ppm	0.0004 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0013 ppm
Concentration per Run 1	0.0026 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	-0.0012 ppm
Concentration per Run 2	0.0019 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0013 ppm
Concentration per Run 3	0.0019 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0002 ppm	-0.0013 ppm
Recovery Percentage 1	0.429 %	0.734 %	-0.379 %	-1.616 %	0.336 %	-1.525 %	-25.198 %
Concentration RSD	19.4 %	31.5 %	77.9 %	13.0 %	346.6 %	33.0 %	3.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.5035 %	94.8541 %	97.2642 %	100.8910 %	99.0515 %	98.8684 %	-0.0009 ppm
Concentration per Run 1	99.1328 %	94.6097 %	97.2926 %	102.6318 %	98.8409 %	98.1353 %	-0.0007 ppm
Concentration per Run 2	96.5669 %	94.8585 %	97.1559 %	100.0068 %	99.1200 %	100.5563 %	-0.0013 ppm
Concentration per Run 3	96.8106 %	95.0943 %	97.3440 %	100.0342 %	99.1936 %	97.9135 %	-0.0007 ppm
Recovery Percentage 1							-8.787 %
Concentration RSD	1.5 %	0.3 %	0.1 %	1.5 %	0.2 %	1.5 %	39.3 %

LabBook: WG2038651_03102025T6.imexp

Sample: XCCV
Analysis started at: 3/11/2025 1:16:47 AM
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5021 ppm	0.5080 ppm	0.4740 ppm	0.4951 ppm	0.4880 ppm	0.5086 ppm	0.5146 ppm
Concentration per Run 1	0.5022 ppm	0.4744 ppm	0.4723 ppm	0.4960 ppm	0.4655 ppm	0.4801 ppm	0.4856 ppm
Concentration per Run 2	0.5016 ppm	0.5228 ppm	0.4699 ppm	0.4947 ppm	0.4999 ppm	0.5223 ppm	0.5261 ppm
Concentration per Run 3	0.5024 ppm	0.5267 ppm	0.4798 ppm	0.4946 ppm	0.4986 ppm	0.5233 ppm	0.5322 ppm
Recovery Percentage 1	100.411 %	101.594 %	94.802 %	99.019 %	97.597 %	101.716 %	102.927 %
Concentration RSD	0.1 %	5.7 %	1.1 %	0.2 %	4.0 %	4.8 %	4.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4851 ppm	0.4835 ppm	0.4857 ppm	0.4828 ppm	0.5192 ppm	5.0279 ppm	0.5062 ppm
Concentration per Run 1	0.4792 ppm	0.4782 ppm	0.4864 ppm	0.4835 ppm	0.4909 ppm	4.8036 ppm	0.5061 ppm
Concentration per Run 2	0.4826 ppm	0.4808 ppm	0.4856 ppm	0.4823 ppm	0.5329 ppm	5.1389 ppm	0.5026 ppm
Concentration per Run 3	0.4936 ppm	0.4914 ppm	0.4851 ppm	0.4826 ppm	0.5336 ppm	5.1413 ppm	0.5099 ppm
Recovery Percentage 1	97.029 %	96.695 %	97.146 %	96.557 %	103.831 %	100.559 %	101.236 %
Concentration RSD	1.6 %	1.4 %	0.1 %	0.1 %	4.7 %	3.9 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5026 ppm	0.4868 ppm	10.0338 ppm	0.4965 ppm	0.5024 ppm	0.4832 ppm	0.4758 ppm
Concentration per Run 1	0.4749 ppm	0.4799 ppm	9.4395 ppm	0.4919 ppm	0.4971 ppm	0.4807 ppm	0.4711 ppm
Concentration per Run 2	0.5149 ppm	0.4836 ppm	10.3186 ppm	0.4931 ppm	0.5002 ppm	0.4793 ppm	0.4744 ppm
Concentration per Run 3	0.5181 ppm	0.4970 ppm	10.3434 ppm	0.5045 ppm	0.5100 ppm	0.4896 ppm	0.4819 ppm
Recovery Percentage 1	100.529 %	97.365 %	100.338 %	99.300 %	100.487 %	96.640 %	95.161 %
Concentration RSD	4.8 %	1.8 %	5.1 %	1.4 %	1.3 %	1.2 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.5118 ppm	0.4939 ppm	0.4890 ppm	0.4794 ppm	0.4951 ppm	0.4750 ppm	0.4803 ppm
Concentration per Run 1	5.4647 ppm	0.4888 ppm	0.4616 ppm	0.4802 ppm	0.4889 ppm	0.4707 ppm	0.4743 ppm
Concentration per Run 2	5.4819 ppm	0.4906 ppm	0.5018 ppm	0.4795 ppm	0.4934 ppm	0.4715 ppm	0.4782 ppm
Concentration per Run 3	5.5888 ppm	0.5021 ppm	0.5038 ppm	0.4785 ppm	0.5030 ppm	0.4827 ppm	0.4884 ppm
Recovery Percentage 1	104.987 %	98.772 %	97.810 %	95.888 %	99.024 %	94.993 %	96.064 %
Concentration RSD	1.2 %	1.5 %	4.9 %	0.2 %	1.5 %	1.4 %	1.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.5539 %	95.4304 %	96.0663 %	103.5931 %	96.3355 %	100.6586 %	0.4952 ppm
Concentration per Run 1	102.3665 %	95.2909 %	95.9091 %	108.7759 %	97.2410 %	100.5028 %	0.4678 ppm
Concentration per Run 2	96.4491 %	95.5116 %	96.1866 %	101.0960 %	96.9516 %	100.6417 %	0.5072 ppm
Concentration per Run 3	96.8460 %	95.4887 %	96.1033 %	100.9073 %	94.8139 %	100.8312 %	0.5105 ppm
Recovery Percentage 1							99.034 %
Concentration RSD	3.4 %	0.1 %	0.1 %	4.3 %	1.4 %	0.2 %	4.8 %

LabBook: WG2038651_03102025T6.imexp

Sample: XCCB
Analysis started at: 3/11/2025 1:23:07 AM
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0096 ppm	0.0005 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 1	-0.0001 ppm	-0.0092 ppm	-0.0010 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 2	0.0000 ppm	-0.0111 ppm	0.0007 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	-0.0048 ppm
Concentration per Run 3	0.0001 ppm	-0.0085 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0112 ppm
Recovery Percentage 1	-0.026 %	-9.569 %	9.135 %	4.063 %	0.144 %	0.168 %	4.078 %
Concentration RSD	7,454.8 %	13.9 %	285.4 %	4.4 %	527.0 %	75.5 %	200.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0032 ppm	-0.1139 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0017 ppm	-0.1088 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0015 ppm	-0.0986 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	0.0063 ppm	-0.1344 ppm	-0.0001 ppm
Recovery Percentage 1	0.548 %	0.285 %	0.088 %	1.005 %	6.352 %	-4.557 %	0.495 %
Concentration RSD	57.9 %	179.3 %	4,747.7 %	68.0 %	84.8 %	16.2 %	108.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0007 ppm	-0.1530 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	0.0008 ppm	-0.1589 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0008 ppm	-0.1505 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	-0.1496 ppm	0.0004 ppm	0.0010 ppm	-0.0003 ppm	0.0011 ppm
Recovery Percentage 1	-0.167 %	1.419 %	-7.649 %	0.209 %	3.136 %	0.725 %	11.216 %
Concentration RSD	311.6 %	23.1 %	3.3 %	574.0 %	181.1 %	193.2 %	60.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0020 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	-0.0012 ppm
Concentration per Run 1	0.0020 ppm	0.0008 ppm	0.0000 ppm	-0.0001 ppm	0.0008 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 2	0.0019 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	-0.0012 ppm
Concentration per Run 3	0.0020 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0005 ppm	-0.0012 ppm
Recovery Percentage 1	0.397 %	0.751 %	0.023 %	-1.401 %	2.352 %	1.410 %	-24.446 %
Concentration RSD	1.8 %	94.0 %	589.0 %	49.0 %	158.7 %	225.7 %	6.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.9386 %	95.2250 %	102.5162 %	101.2211 %	129.5257 %	99.3709 %	-0.0007 ppm
Concentration per Run 1	99.5107 %	96.2550 %	97.9075 %	103.0290 %	99.5682 %	100.1734 %	-0.0008 ppm
Concentration per Run 2	98.3562 %	93.5881 %	107.1248 %	101.8569 %	105.7510 %	98.0160 %	-0.0004 ppm
Concentration per Run 3	95.9490 %	95.8317 %	0.0000 %	98.7774 %	183.2579 %	99.9233 %	-0.0009 ppm
Recovery Percentage 1							-6.853 %
Concentration RSD	1.9 %	1.5 %	6.4 %	2.2 %	36.0 %	1.2 %	34.0 %

ICP DataTrace 6

3/11/2025 7:02:55 AM

LabBook: WG2038651_03102025T6.imexp

Sample: LLOQ RL check
Analysis started at: 3/11/2025 1:29:46 AM
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0054 ppm	0.1056 ppm	0.0041 ppm	0.0315 ppm	0.0104 ppm	0.0055 ppm	**0.1235 ppm**
Concentration per Run 1	0.0053 ppm	0.1009 ppm	0.0032 ppm	0.0310 ppm	0.0105 ppm	0.0055 ppm	0.1274 ppm
Concentration per Run 2	0.0055 ppm	0.1042 ppm	0.0038 ppm	0.0317 ppm	0.0104 ppm	0.0056 ppm	0.1216 ppm
Concentration per Run 3	0.0053 ppm	0.1117 ppm	0.0054 ppm	0.0317 ppm	0.0105 ppm	0.0055 ppm	0.1216 ppm
Recovery Percentage 1	107.118 %	105.585 %	82.384 %	104.961 %	104.482 %	110.833 %	123.537 %
Concentration RSD	2.5 %	5.2 %	26.9 %	1.3 %	0.3 %	1.0 %	**2.7 %**

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0041 ppm	0.0098 ppm	0.0104 ppm	0.0110 ppm	**0.0603 ppm**	2.5679 ppm	0.1119 ppm
Concentration per Run 1	0.0040 ppm	0.0096 ppm	0.0102 ppm	0.0109 ppm	0.0593 ppm	2.5526 ppm	0.1122 ppm
Concentration per Run 2	0.0041 ppm	0.0100 ppm	0.0108 ppm	0.0113 ppm	0.0615 ppm	2.5618 ppm	0.1133 ppm
Concentration per Run 3	0.0041 ppm	0.0098 ppm	0.0102 ppm	0.0109 ppm	0.0601 ppm	2.5892 ppm	0.1102 ppm
Recovery Percentage 1	102.032 %	98.034 %	104.116 %	110.427 %	120.573 %	102.715 %	111.888 %
Concentration RSD	1.5 %	1.8 %	3.1 %	2.0 %	**1.8 %**	0.7 %	1.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0111 ppm	0.0508 ppm	2.0548 ppm	0.0203 ppm	0.0099 ppm	0.0500 ppm	0.0100 ppm
Concentration per Run 1	0.0112 ppm	0.0502 ppm	2.0487 ppm	0.0200 ppm	0.0100 ppm	0.0490 ppm	0.0106 ppm
Concentration per Run 2	0.0109 ppm	0.0512 ppm	2.0486 ppm	0.0205 ppm	0.0099 ppm	0.0503 ppm	0.0106 ppm
Concentration per Run 3	0.0112 ppm	0.0510 ppm	2.0670 ppm	0.0205 ppm	0.0096 ppm	0.0507 ppm	0.0087 ppm
Recovery Percentage 1	111.244 %	101.567 %	102.739 %	101.545 %	98.514 %	99.974 %	99.744 %
Concentration RSD	1.4 %	1.0 %	0.5 %	1.5 %	2.1 %	1.8 %	10.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.5486 ppm	0.0514 ppm	0.0106 ppm	0.0100 ppm	0.0190 ppm	0.0098 ppm	0.0049 ppm
Concentration per Run 1	0.5398 ppm	0.0506 ppm	0.0104 ppm	0.0103 ppm	0.0195 ppm	0.0096 ppm	0.0048 ppm
Concentration per Run 2	0.5537 ppm	0.0522 ppm	0.0106 ppm	0.0098 ppm	0.0188 ppm	0.0100 ppm	0.0050 ppm
Concentration per Run 3	0.5523 ppm	0.0514 ppm	0.0107 ppm	0.0098 ppm	0.0188 ppm	0.0099 ppm	0.0050 ppm
Recovery Percentage 1	109.726 %	102.771 %	105.921 %	99.852 %	95.203 %	98.272 %	98.813 %
Concentration RSD	1.4 %	1.5 %	1.5 %	2.5 %	2.0 %	2.1 %	2.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.8712 %	94.2253 %	96.8739 %	99.7092 %	98.1916 %	98.8146 %	0.0103 ppm
Concentration per Run 1	96.6215 %	94.0627 %	97.5779 %	100.4754 %	99.5073 %	98.5741 %	0.0106 ppm
Concentration per Run 2	95.0044 %	93.9454 %	96.6520 %	98.8857 %	97.3846 %	98.7261 %	0.0102 ppm
Concentration per Run 3	95.9876 %	94.6679 %	96.3918 %	99.7666 %	97.6829 %	99.1435 %	0.0102 ppm
Recovery Percentage 1							103.309 %
Concentration RSD	0.8 %	0.4 %	0.6 %	0.8 %	1.2 %	0.3 %	2.4 %

QC True Values: Trace 4,5,6,7

	Element	True Value (mg/L)
ICV/CCV	All	0.50
	K	5.00
	Na	10.00
	Si	5.25
ICSA	Al	250
	Ca	250
	Fe	100
	Mg	250
ICSB	Al	9.00
	Sb	1.00
	As	1.00
	Ba	0.30
	Be	0.10
	Bi	1.00
	B	0.50
	Cd	0.30
	Ca	45.00
	Cr	0.30
	Co	0.30
	Cu	0.30
	Fe	37.50
	Pb	1.00
	Mg	22.50
	Mn	0.20
	Mo	0.30
	Ni	0.30
	K	20.00
	Se	0.50
	Si	1.23
	Ag	0.30
	Na	7.50
	Sr	1.00
	Tl	1.00
	Sn	1.00
	Ti	1.00
	V	0.30
	Zn	0.30

	Element	True Value (mg/L)
CRI	Al	0.40
	Sb	0.10
	As	0.02
	Ba	0.04
	Be	0.01
	Bi	0.02
	B	0.10
	Cd	0.01
	Ca	0.40
	Cr	0.02
	Co	0.10
	Cu	0.05
	Fe	0.20
	Pb	0.05
	Mg	0.40
	Mn	0.03
	Mo	0.10
	Ni	0.08
	K	5.00
	Se	0.02
	Si	1.00
	Ag	0.02
	Na	5.00
	Sr	0.02
	Tl	0.02
	Sn	0.02
	Ti	0.02
	V	0.10
	Zn	0.04

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ERA
A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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Certified Reference Material

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Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

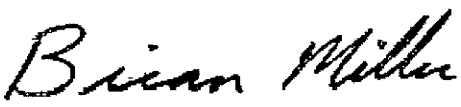
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{solids}}$$

Where:

$\%_{solids}$ = Percent Solids, as a decimal value

Sequence Trace 7

3/11/2025 09:56:29

LabBook: WG2038403_03102025T7.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank DHL Trace7	0	1	3/10/2025 06:26:26
2	ICAL	0	2	3/10/2025 06:31:37
3	ICV	0	3	3/10/2025 06:36:26
4	ICB	0	4	3/10/2025 06:41:19
5	NO EXPOSURE	0	10	3/10/2025 06:46:31
6	ICV	0	10	3/10/2025 06:50:07
7	ICB	0	4	3/10/2025 06:55:02
8	LLOQ	0	5	3/10/2025 07:00:14
9	ICSA	0	6	3/10/2025 07:05:24
10	SIC Multi	0	7	3/10/2025 07:30:35
11	LDR Check	0	8	3/10/2025 07:36:11
12	xLDR Check	0	8	3/10/2025 07:51:03
13	LLOQ 0.01 pass	1	1	3/10/2025 08:25:38
14	IEC 500 Al +Pb	1	2	3/10/2025 08:30:48
15	IEC 10 V -Tl	1	3	3/10/2025 08:36:03
16	LDR 400 Na pass	1	4	3/10/2025 08:41:13
17	LDR 10 Ni pass	1	5	3/10/2025 08:46:33
18	LDR 20 Zn pass	1	6	3/10/2025 08:51:44
19	CCV	0	3	3/10/2025 09:39:07
20	CCB	0	4	3/10/2025 09:44:01
21	WG2037928-1 WG2037928	1	7	3/10/2025 09:59:35
22	WG2037928-2 WG2037928	1	8	3/10/2025 10:04:47
23	L2512815-01D40 WG2037928	1	9	3/10/2025 10:09:48
24	WG2037928-3D40 WG2037928	1	10	3/10/2025 10:15:02
25	WG2037928-4D40 WG2037928	1	11	3/10/2025 10:20:15
26	WG2037928-5D40 WG2037928	1	12	3/10/2025 10:25:29
27	WG2037928-6D200 WG2037928	1	13	3/10/2025 10:30:40
28	CCV	0	3	3/10/2025 10:35:47
29	CCB	0	4	3/10/2025 10:40:40
30	WG2038135-1 WG2038135	1	14	3/10/2025 11:36:48
31	WG2038135-2D2 WG2038135	1	15	3/10/2025 11:41:59
32	L2512366-01D2 WG2038135	1	21	3/10/2025 11:46:59
33	L2512366-02D2 WG2038135	1	22	3/10/2025 11:52:23
34	L2512366-03D2 WG2038135	1	23	3/10/2025 11:57:48
35	L2511296-01D2 WG2038135	1	16	3/10/2025 12:03:13
36	WG2038135-3D2 WG2038135	1	17	3/10/2025 12:08:17
37	WG2038135-4D2 WG2038135	1	18	3/10/2025 12:13:18
38	WG2038135-5D2 WG2038135	1	19	3/10/2025 12:18:21
39	WG2038135-6D10 WG2038135	1	20	3/10/2025 12:23:22
40	CCV	0	3	3/10/2025 12:28:30
41	CCB	0	4	3/10/2025 12:33:23
42	LDR 1000 Ca	1	28	3/10/2025 12:52:49
43	L2513083-01D2 WG2038135	1	24	3/10/2025 12:58:06
44	L2513083-03D2 WG2038135	1	25	3/10/2025 13:03:20
45	EL2513083-04D2 WG2038135	1	26	3/10/2025 13:08:31
46	L2513083-05D2 WG2038135	1	27	3/10/2025 13:14:13
47	L2513083-04D20 WG2038135	1	29	3/10/2025 13:25:13
48	CCV	0	3	3/10/2025 13:30:18
49	CCB	0	4	3/10/2025 13:35:12
50	L2509654-05d4 WG2037369	1	30	3/10/2025 13:47:07
51	L2511495-04d2 WG2037369	1	31	3/10/2025 13:52:24
52	L2511495-09D2 WG2037369	1	32	3/10/2025 13:57:45
53	L2511495-15D2 WG2037369	1	33	3/10/2025 14:02:53
54	L2511495-18D2 WG2037369	1	34	3/10/2025 14:08:09
55	L2511495-19D2 WG2037369	1	35	3/10/2025 14:13:36
56	L2511495-20D2 WG2037369	1	36	3/10/2025 14:18:47
57	L2511495-21D2 WG2037369	1	37	3/10/2025 14:24:10
58	L2511495-22D2 WG2037369	1	38	3/10/2025 14:29:24
59	L2511495-03D2 WG2037369	1	39	3/10/2025 14:34:39
60	CCV	0	3	3/10/2025 14:39:59
61	CCB	0	4	3/10/2025 14:44:52
62	LDR 1000 Ca	1	40	3/10/2025 15:20:20
63	xLDR 500 Fe Fail	1	41	3/10/2025 15:39:56
64	LDR 300 Fe	1	42	3/10/2025 15:45:51
65	WG2037857-3D2 WG2037857	1	45	3/10/2025 16:44:41
66	L2511558-01D2 WG2037857	1	46	3/10/2025 16:49:34
67	L2511558-02D2 WG2037857	1	47	3/10/2025 16:54:48
68	L2511558-03D2 WG2037857	1	48	3/10/2025 16:59:52
69	L2511558-04D2 WG2037857	1	49	3/10/2025 17:05:06
70	L2511558-05D2 WG2037857	1	50	3/10/2025 17:10:12
71	L2511558-06D2 WG2037857	1	51	3/10/2025 17:15:16
72	CCV	0	3	3/10/2025 17:20:19

Sequence Trace 7

3/11/2025 09:56:29

Index:	Label:	Rack	Vial	Start time:
73	CCB	0	4	3/10/2025 17:25:12
74	WG2037857-1 WG2037857	1	43	3/10/2025 17:31:05
75	WG2037857-2D2 WG2037857	1	44	3/10/2025 17:36:17
76	L2511558-07D2 WG2037857	1	52	3/10/2025 17:41:08
77	L2511558-08D2 WG2037857	1	53	3/10/2025 17:46:10
78	L2511558-09D2 WG2037857	1	54	3/10/2025 17:51:14
79	L2511558-10D2 WG2037857	1	55	3/10/2025 17:56:25
80	L2511770-01D2 WG2037857	1	56	3/10/2025 18:01:39
81	L2511770-02D2 WG2037857	1	57	3/10/2025 18:06:55
82	L2511826-02D2 WG2037857	1	58	3/10/2025 18:12:07
83	L2511882-01D2 WG2037857	1	59	3/10/2025 18:17:23
84	CCV	0	3	3/10/2025 18:22:32
85	CCB	0	4	3/10/2025 18:27:26
86	CCV	0	3	3/10/2025 18:34:24
87	CCB	0	4	3/10/2025 18:39:17
88	WG2037096-3 WG2037096 Q1 Soil LOQ	2	5	3/10/2025 18:44:28
89	L2511892-01D2 WG2037857	1	60	3/10/2025 18:49:40
90	L2511899-01D2 WG2037857	2	1	3/10/2025 18:54:49
91	LDR 20 As	2	2	3/10/2025 18:59:58
92	L2509035-02D2 WG2037565	2	3	3/10/2025 19:05:08
93	L2511497-11 WG2036426	2	4	3/10/2025 19:10:40
94	CCV	0	3	3/10/2025 19:36:10
95	CCB	0	4	3/10/2025 19:41:03
96	WG2037645-1 WG2037645	2	6	3/10/2025 20:00:45
97	WG2037645-2 WG2037645	2	7	3/10/2025 20:05:55
98	L2511574-01 WG2037645	2	8	3/10/2025 20:10:55
99	WG2037645-3 WG2037645	2	9	3/10/2025 20:16:06
100	WG2037645-4 WG2037645	2	10	3/10/2025 20:21:10
101	WG2037645-5 WG2037645	2	11	3/10/2025 20:26:20
102	WG2037645-6D5 WG2037645	2	12	3/10/2025 20:31:22
103	L2511574-02 WG2037645	2	13	3/10/2025 20:36:33
104	L2511583-01 WG2037645	2	14	3/10/2025 20:41:41
105	L2511591-01 WG2037645	2	15	3/10/2025 20:46:48
106	CCV	0	3	3/10/2025 20:51:58
107	CCB	0	4	3/10/2025 20:56:50
108	WG2037800-1 WG2037800	2	17	3/10/2025 21:02:34
109	WG2037800-2 WG2037800	2	18	3/10/2025 21:07:47
110	L2511591-02 WG2037645	2	16	3/10/2025 21:12:48
111	L2511436-06 WG2037800	2	19	3/10/2025 21:18:03
112	WG2037800-3 WG2037800	2	20	3/10/2025 21:25:25
113	WG2037800-4 WG2037800	2	21	3/10/2025 21:30:27
114	WG2037800-5 WG2037800	2	22	3/10/2025 21:35:33
115	WG2037800-6D5 WG2037800	2	23	3/10/2025 21:40:36
116	L2510283-04 WG2037800	2	24	3/10/2025 21:45:45
117	CCV	0	3	3/10/2025 21:51:02
118	CCB	0	4	3/10/2025 21:55:55
119	WG2038531-1 WG2038531	2	25	3/10/2025 22:01:09
120	WG2038531-2 WG2038531	2	26	3/10/2025 22:06:22
121	L2511944-06 WG2038531	2	27	3/10/2025 22:11:24
122	WG2038531-3 WG2038531	2	28	3/10/2025 22:16:33
123	WG2038531-4 WG2038531	2	29	3/10/2025 22:21:36
124	WG2038531-5 WG2038531	2	30	3/10/2025 22:26:44
125	WG2038531-6D5 WG2038531	2	31	3/10/2025 22:31:45
126	L2511944-01 WG2038531	2	32	3/10/2025 22:36:56
127	L2511944-02 WG2038531	2	33	3/10/2025 22:42:05
128	L2511944-03 WG2038531	2	34	3/10/2025 22:47:16
129	CCV	0	3	3/10/2025 22:52:27
130	CCB	0	4	3/10/2025 22:57:21
131	L2511944-04 WG2038531	2	35	3/10/2025 23:02:34
132	L2511944-05 WG2038531	2	36	3/10/2025 23:07:44
133	L2511944-07 WG2038531	2	37	3/10/2025 23:12:56
134	L2511944-08 WG2038531	2	38	3/10/2025 23:18:06
135	L2511944-09 WG2038531	2	39	3/10/2025 23:23:16
136	CCV	0	3	3/10/2025 23:28:29
137	CCB	0	4	3/10/2025 23:33:22
138	CCV	0	3	3/10/2025 23:38:35
139	CCB	0	4	3/10/2025 23:43:28
140	LLOQ	0	5	3/10/2025 23:48:40

Sequence Trace 6

3/11/2025 7:03:54 AM

LabBook: WG2038651_03102025T6.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank TAA Trace6	0	1	3/10/2025 1:29:03 PM
2	ICAL	0	2	3/10/2025 1:35:40 PM
3	ICV	0	3	3/10/2025 2:16:40 PM
4	ICB	0	4	3/10/2025 2:22:58 PM
5	LLOQ RL Check	0	5	3/10/2025 2:29:38 PM
6	ICSA	0	6	3/10/2025 2:36:17 PM
7	SIC Cr Mn V Ti	0	7	3/10/2025 2:49:30 PM
8	LLOQ 0.1 Ca	1	1	3/10/2025 2:56:23 PM
9	IEC 500 Al Pb+	1	2	3/10/2025 3:08:45 PM
10	IEC 200 Fe Cu+ Cd-	1	3	3/10/2025 3:15:23 PM
11	xIEC 10 V Sb+ N/A	1	4	3/10/2025 3:22:07 PM
12	IEC 20 Cr Sb+	1	5	3/10/2025 3:39:50 PM
13	IEC 20 Ti Cu-	1	6	3/10/2025 3:53:19 PM
14	LDR Check	0	8	3/10/2025 4:19:50 PM
15	CCV	0	3	3/10/2025 4:53:59 PM
16	CCB	0	4	3/10/2025 5:00:16 PM
17	L2511695-01 WG2037059	1	7	3/10/2025 5:39:06 PM
18	WG2037059-7 WG2037059	1	8	3/10/2025 5:45:47 PM
19	WG2037059-8 WG2037059	1	9	3/10/2025 5:52:12 PM
20	WG2037059-9 WG2037059	1	10	3/10/2025 5:58:54 PM
21	WG2037059-10D5 WG2037059	1	11	3/10/2025 6:05:20 PM
22	L2511435-01 WG2037059	1	12	3/10/2025 6:11:54 PM
23	L2511645-02 WG2037059	1	13	3/10/2025 6:18:30 PM
24	L2511695-02 WG2037059	1	14	3/10/2025 6:25:08 PM
25	L2511695-03 WG2037059	1	15	3/10/2025 6:31:46 PM
26	L2511695-04 WG2037059	1	16	3/10/2025 6:38:18 PM
27	CCV	0	3	3/10/2025 6:44:57 PM
28	CCB	0	4	3/10/2025 6:51:15 PM
29	L2511695-05 WG2037059	1	17	3/10/2025 6:57:55 PM
30	L2511695-06 WG2037059	1	18	3/10/2025 7:04:26 PM
31	L2511717-01 WG2037059	1	19	3/10/2025 7:10:57 PM
32	L2511741-01 WG2037059	1	20	3/10/2025 7:17:37 PM
33	L2511773-02 WG2037059	1	21	3/10/2025 7:24:20 PM
34	L2511436-01 WG2036575	1	22	3/10/2025 7:30:52 PM
35	L2511436-02 WG2036575	1	23	3/10/2025 7:37:24 PM
36	L2511436-03 WG2036575	1	24	3/10/2025 7:46:16 PM
37	L2511436-04 WG2036575	1	25	3/10/2025 7:52:48 PM
38	L2511436-05 WG2036575	1	26	3/10/2025 7:59:18 PM
39	CCV	0	3	3/10/2025 8:05:49 PM
40	CCB	0	4	3/10/2025 8:16:14 PM
41	WG2037096-3 WG2037096 Q1 Soil LOQ As Zn	1	36	3/10/2025 8:26:49 PM
42	L2511436-07 WG2036575	1	27	3/10/2025 8:33:26 PM
43	L2511436-08 WG2036575	1	28	3/10/2025 8:39:59 PM
44	L2511436-09 WG2036575	1	29	3/10/2025 8:46:27 PM
45	L2511436-10 WG2036575	1	30	3/10/2025 8:52:58 PM
46	L2511436-11 WG2036575	1	31	3/10/2025 8:59:30 PM
47	L2511436-12 WG2036575	1	32	3/10/2025 9:06:05 PM
48	L2511436-13 WG2036575	1	33	3/10/2025 9:12:46 PM
49	L2511436-14 WG2036575	1	34	3/10/2025 9:19:21 PM
50	L2511436-15 WG2036575	1	35	3/10/2025 9:25:55 PM
51	CCV	0	3	3/10/2025 9:32:35 PM
52	CCB	0	4	3/10/2025 9:38:53 PM
53	WG2038522-1 WG2038522	1	37	3/10/2025 9:54:29 PM
54	WG2038522-2 WG2038522	1	38	3/10/2025 10:01:06 PM
55	L2511944-06 WG2038522	1	39	3/10/2025 10:07:22 PM
56	WG2038522-3 WG2038522	1	40	3/10/2025 10:13:56 PM
57	WG2038522-4 WG2038522	1	41	3/10/2025 10:20:11 PM
58	WG2038522-7 WG2038522	1	42	3/10/2025 10:26:26 PM
59	WG2038522-8D5 WG2038522	1	43	3/10/2025 10:32:42 PM
60	L2511627-01 WG2038522	1	44	3/10/2025 10:39:18 PM
61	WG2038522-9 WG2038522	1	47	3/10/2025 10:45:58 PM
62	WG2038522-10D5 WG2038522	1	48	3/10/2025 10:52:24 PM
63	CCV	0	3	3/10/2025 10:59:00 PM
64	CCB	0	4	3/10/2025 11:05:20 PM
65	WG2038522-5 WG2038522	1	45	3/10/2025 11:12:00 PM
66	WG2038522-6 WG2038522	1	46	3/10/2025 11:18:24 PM
67	L2511628-01 WG2038522	1	49	3/10/2025 11:25:05 PM
68	L2511649-01 WG2038522	1	50	3/10/2025 11:31:52 PM
69	L2511710-02 WG2038522	1	51	3/10/2025 11:38:29 PM
70	L2511727-01 WG2038522	1	52	3/10/2025 11:45:00 PM
71	L2511728-01 WG2038522	1	53	3/10/2025 11:51:31 PM
72	L2511944-01 WG2038522	1	54	3/10/2025 11:58:08 PM

Sequence Trace 6

3/11/2025 7:03:54 AM

Index:	Label:	Rack	Vial	Start time:
73	L2511944-02 WG2038522	1	55	3/11/2025 12:04:42 AM
74	L2511944-03 WG2038522	1	56	3/11/2025 12:11:13 AM
75	CCV	0	3	3/11/2025 12:17:47 AM
76	CCB	0	4	3/11/2025 12:24:07 AM
77	L2511944-09 WG2038522	2	1	3/11/2025 12:30:46 AM
78	L2511944-04 WG2038522	1	57	3/11/2025 12:37:25 AM
79	L2511944-05 WG2038522	1	58	3/11/2025 12:43:58 AM
80	L2511944-07 WG2038522	1	59	3/11/2025 12:50:34 AM
81	L2511944-08 WG2038522	1	60	3/11/2025 12:57:09 AM
82	CCV	0	3	3/11/2025 1:03:44 AM
83	CCB	0	4	3/11/2025 1:10:04 AM
84	XCCV	0	3	3/11/2025 1:16:47 AM
85	XCCB	0	4	3/11/2025 1:23:07 AM
86	LLOQ RL check	0	5	3/11/2025 1:29:46 AM

METALS ELN REPORT

Workgroup: WG2038522

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3250821 81324AJT	1:1 HCl	tHCL251010 0813ARM	METALS	METSPIKE2	IPS,FPS,MIX	METSPIKE2	IPS,FPS,MIX	140, 326

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511627-01 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	ELN:ajt
L2511628-01 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	FM2509051006 AJT
L2511649-01 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	IPS2507180833 AJT
L2511710-02 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511727-01 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511728-01 SAMP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-01 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-02 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-03 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-04 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	

METALS ELN REPORT

Workgroup: WG2038522

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511944-05 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-06 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-07 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-08 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
L2511944-09 WATER	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-1 BLANK	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-2 LCS	03/10/25 10:53	German Nimaja	50	<2	.5	03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-3 MS	03/10/25 10:53	German Nimaja	50	<2	.5	03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-4 MSD	03/10/25 10:53	German Nimaja	50	<2	.5	03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-5 MS	03/10/25 10:53	German Nimaja	50	<2	.5	03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-6 DUP	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-7 PS	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	

METALS ELN REPORT

Workgroup: WG2038522

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2038522-8 SERDIL	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-9 PS	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	
WG2038522-10 SERDIL	03/10/25 10:53	German Nimaja	50	<2		03/10/25 10:53	9	94.9	03/10/25 10:53	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Reported: 11-MAR-25 11:07 AM

METALS ELN REPORT

Workgroup: WG2038531

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3250908 60808ADG	1:1 HCl	tHCL250828 0920JDH	METALS	METSPIKE2	IPS,FPS,MIX	METSPIKE2	IPS,FPS,MIX	140, 326

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2511944-01 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-02 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-03 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-04 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-05 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-06 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-07 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-08 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
L2511944-09 WATER	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
WG2038531-1 BLANK	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	ELN: ADG

METALS ELN REPORT

Workgroup: WG2038531

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
WG2038531-2 LCS	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2	0.5	03/10/25 13:31	7	95.1	03/10/25 16:31	50	
WG2038531-3 MS	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2	0.5	03/10/25 13:31	7	95.1	03/10/25 16:31	50	FM250905100 6AJT
WG2038531-4 MSD	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2	0.5	03/10/25 13:31	7	95.1	03/10/25 16:31	50	IPS2507180833AJT
WG2038531-5 PS	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	
WG2038531-6 SERDIL	03/10/25 13:31	Nathaniel Schlosser	NA	50	<2		03/10/25 13:31	7	95.1	03/10/25 16:31	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Reported: 11-MAR-25 11:07 AM

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 11:52
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2036992-1	**Date Collected**	: NA
Client ID	: WG2036992-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 10:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2036992-4	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11SDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 11:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: WG2037201.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/05/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-02	**Date Collected**	: 03/04/25 15:40
Client ID	: MW-10S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-03	**Date Collected**	: 03/04/25 15:20
Client ID	: MW-10D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-04	**Date Collected**	: 03/04/25 13:55
Client ID	: MW-13S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	0.00024	0.00020	0.00009	

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-07	**Date Collected**	: 03/04/25 10:05
Client ID	: MW-10R2	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-08	**Date Collected**	: 03/04/25 12:00
Client ID	: DUP_03042025	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 13:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/09/25 14:01
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037773-1	**Date Collected**	: NA
Client ID	: WG2037773-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/09/25 13:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2038237.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 03/07/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1937475-1			R1937475-3			R1937475-5		R1937475-7	
Date Analyzed :	03/06/25 06:34			03/06/25 08:12			03/06/25 08:54		03/06/25 09:36	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0031	103	0.0050	0.00500	99	0.00490	98	0.00490	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1937475-9			R1937475-11		R1937475-13	
Date Analyzed :				03/06/25 10:15			03/06/25 11:22		03/06/25 12:17	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0050	0.00500	100	0.00490	99	0.00500	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC1	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1938411-1			R1938411-3			R1938411-5		R1938411-7	
Date Analyzed :	03/09/25 10:29			03/09/25 11:32			03/09/25 12:12		03/09/25 12:52	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0031	104	0.0050	0.00520	104	0.00520	103	0.00510	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	85-115%	(Method 1631)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Methods 200.8, 1631)
	80-120%	(Methods 7470, 7471)

Form 2A
Initial and Continuing Calibration Verification

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC1	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1938411-9			R1938411-11			
Date Analyzed :				03/09/25 13:31			03/09/25 14:33			
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				**0.0050**	**0.00520**	**103**	**0.00510**	**103**		

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	85-115%	**(Method 1631)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Methods 200.8, 1631)**
	80-120%	**(Methods 7470, 7471)**

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1937475-2		R1937475-4		R1937475-6		R1937475-8		WG2036992-1	
Date Analyzed :	03/06/25 06:37		03/06/25 08:16		03/06/25 08:57		03/06/25 09:39		03/06/25 10:52	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1937475-10		R1937475-12		R1937475-14			
Date Analyzed :			03/06/25 10:19		03/06/25 11:25		03/06/25 12:20			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U		

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC1		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R1938411-2		R1938411-4		R1938411-6		R1938411-8		WG2037773-1	
Date Analyzed	:	03/09/25 10:33		03/09/25 11:36		03/09/25 12:15		03/09/25 12:55		03/09/25 13:11	
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury		0.0000910	U	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U

Form 3
Blanks

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC1		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1938411-10		R1938411-12					
Date Analyzed :			03/09/25 13:34		03/09/25 14:36					
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Mercury			0.0000910	U	0.0000910	U				

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-11S	**Matrix**	: WATER
Lab Sample ID	: L2511944-01		
Matrix Spike	: WG2036992-3	**MS Analysis Date**	: 03/06/25 11:02
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Mercury, Total	ND	0.005	0.00461	92					70-130	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2036992-5	**MS Analysis Date**	: 03/06/25 11:12
Matrix Spike Dup	: WG2036992-6	**MSD Analysis Date**	: 03/06/25 11:16

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	ND	0.005	0.00448	90	0.005	0.00462	92	3	70-130	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037773-3	**MS Analysis Date**	: 03/09/25 13:21
Matrix Spike Dup	: WG2037773-4	**MSD Analysis Date**	: 03/09/25 13:25

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Dissolved	0.00024	0.005	0.00489	93	0.005	0.00498	95	2	75-125	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-11S	**Matrix**	: WATER
Lab Sample ID	: L2511944-01	**Analysis Date**	: 03/06/25 10:59
Dup Sample ID	: WG2036992-4	**DUP Analysis Date**	: 03/06/25 11:06

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2036992-2	**LCS Analysis Date**	: 03/06/25 10:56
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**0.00100**	**0.000950**	**95.**					**85-115**	**20**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037773-2	**LCS Analysis Date**	: 03/09/25 13:15
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Dissolved	**0.00100**	**0.000990**	**99.**					**85-115**	**20**

Form 12
Preparation Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix	: WATER	**Prep Method**	: EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2511944-01	03/05/25 20:57	-	25
L2511944-02	03/05/25 20:57	-	25
L2511944-03	03/05/25 20:57	-	25
L2511944-04	03/05/25 20:57	-	25
L2511944-05	03/05/25 20:57	-	25
L2511944-06	03/05/25 20:57	-	25
L2511944-07	03/05/25 20:57	-	25
L2511944-08	03/05/25 20:57	-	25
L2511944-09	03/05/25 20:57	-	25
WG2036992-1	03/05/25 20:57	-	25
WG2036992-2	03/05/25 20:57	-	25
WG2036992-3	03/05/25 20:57	-	25
WG2036992-4	03/05/25 20:57	-	25
WG2036992-5	03/05/25 20:57	-	25
WG2036992-6	03/05/25 20:57	-	25

Form 12
Preparation Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Matrix	: WATER	**Prep Method**	: EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2511944-01	03/07/25 13:41	-	25
L2511944-02	03/07/25 13:41	-	25
L2511944-03	03/07/25 13:41	-	25
L2511944-04	03/07/25 13:41	-	25
L2511944-05	03/07/25 13:41	-	25
L2511944-06	03/07/25 13:41	-	25
L2511944-07	03/07/25 13:41	-	25
L2511944-08	03/07/25 13:41	-	25
L2511944-09	03/07/25 13:41	-	25
WG2037773-1	03/07/25 13:41	-	25
WG2037773-2	03/07/25 13:41	-	25
WG2037773-3	03/07/25 13:41	-	25
WG2037773-4	03/07/25 13:41	-	25

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3	**Analysis Method**	: 3,245.1
Start Date	: 03/06/25 06:34	**End Date**	: 03/06/25 12:20

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R1937475-1 ICV	1	06:34:27	X
R1937475-2 ICB	1	06:37:45	X
R1937475-3 CCV	1	08:12:54	X
R1937475-4 CCB	1	08:16:14	X
R1937475-5 CCV	1	08:54:02	X
R1937475-6 CCB	1	08:57:20	X
R1937475-7 CCV	1	09:36:10	X
R1937475-8 CCB	1	09:39:29	X
R1937475-9 CCV	1	10:15:48	X
R1937475-10 CCB	1	10:19:05	X
WG2036992-1 BLANK	1	10:52:58	X
WG2036992-2 LCS	1	10:56:16	X
L2511944-01	1	10:59:34	X
WG2036992-3 MS	1	11:02:51	X
WG2036992-4 DUP	1	11:06:08	X
L2511944-06	1	11:09:27	X
WG2036992-5 MS	1	11:12:45	X
WG2036992-6 MSD	1	11:16:03	X
R1937475-11 CCV	1	11:22:39	X
R1937475-12 CCB	1	11:25:57	X
L2511944-02	1	11:32:33	X
L2511944-03	1	11:35:50	X
L2511944-04	1	11:39:09	X
L2511944-05	1	11:42:27	X
L2511944-07	1	11:45:45	X
L2511944-08	1	11:49:03	X
L2511944-09	1	11:52:20	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC3	**Analysis Method**	: 3,245.1
Start Date	: 03/06/25 06:34	**End Date**	: 03/06/25 12:20

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R1937475-13 CCV	1	12:17:04	X
R1937475-14 CCB	1	12:20:22	X

Form 13
Analysis Run Log

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Instrument ID	: NIC1	**Analysis Method**	: 3,245.1
Start Date	: 03/09/25 10:29	**End Date**	: 03/09/25 14:36

Sample Number	Dilution Factor	Analysis Time	Mercury, Dissolved
R1938411-1 ICV	1	10:29:46	X
R1938411-2 ICB	1	10:33:06	X
R1938411-3 CCV	1	11:32:45	X
R1938411-4 CCB	1	11:36:05	X
R1938411-5 CCV	1	12:12:27	X
R1938411-6 CCB	1	12:15:45	X
R1938411-7 CCV	1	12:52:03	X
R1938411-8 CCB	1	12:55:21	X
WG2037773-1 BLANK	1	13:11:51	X
WG2037773-2 LCS	1	13:15:08	X
L2511944-06	1	13:18:25	X
WG2037773-3 MS	1	13:21:43	X
WG2037773-4 MSD	1	13:25:01	X
R1938411-9 CCV	1	13:31:37	X
R1938411-10 CCB	1	13:34:55	X
L2511944-01	1	13:38:13	X
L2511944-02	1	13:41:31	X
L2511944-03	1	13:44:49	X
L2511944-04	1	13:48:06	X
L2511944-05	1	13:51:23	X
L2511944-07	1	13:54:42	X
L2511944-08	1	13:58:00	X
L2511944-09	1	14:01:17	X
R1938411-11 CCV	1	14:33:10	X
R1938411-12 CCB	1	14:36:28	X

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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 the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

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 the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserv

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 the laboratory.

Title :
Date : 03/06/2025
Name :

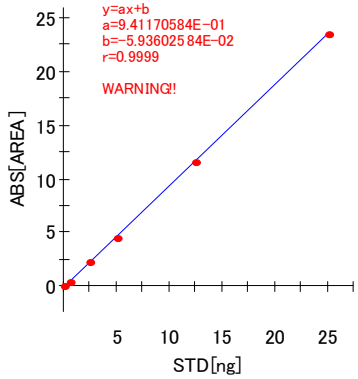
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0378	0.1032	-	03/06/2025 06:14	JWN,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.4755	0.5683	13.7	03/06/2025 06:17	JWN,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.2844	2.4903	0.4	03/06/2025 06:20	JWN,NIC3
4	2.000	2.500	2.500	2.500	5.000	4.5271	4.8731	2.5	03/06/2025 06:24	JWN,NIC3
5	5.000	2.500	2.500	2.500	12.500	11.5925	12.3802	1.0	03/06/2025 06:27	JWN,NIC3
6	10.000	2.500	2.500	2.500	25.000	23.5498	25.0849	0.3	03/06/2025 06:30	JWN,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.2447	7.7606	3.104	-	03/06/2025 06:34	JWN,NIC3
2	ICB	2.500	2.500	2.500	0.0422	0.1079	0.043	-	03/06/2025 06:37	JWN,NIC3
3	wg2036576-1 wg2036576	2.500	2.500	2.500	0.0185	0.0827	0.033	-	03/06/2025 07:39	JWN,NIC3
4	xwg2036576-2 wg2036576	2.500	2.500	2.500	1.7364	1.9080	0.763	-	03/06/2025 07:42	JWN,NIC3
5	I2511436-06 wg2036576	2.500	2.500	2.500	0.0251	0.0897	0.036	-	03/06/2025 07:46	JWN,NIC3
6	wg2036576-3 wg2036576	2.500	2.500	2.500	10.6933	11.4248	4.570	-	03/06/2025 07:49	JWN,NIC3

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	wg2036576-4 wg2036576	2.500	2.500	2.500	10.3889	11.1013	4.441	-	03/06/2025 07:52	JWN,NIC3
8	I2511180-01 wg2036576	2.500	2.500	2.500	0.0238	0.0884	0.035	-	03/06/2025 07:56	JWN,NIC3
9	I2511180-02 wg2036576	2.500	2.500	2.500	0.0192	0.0835	0.033	-	03/06/2025 07:59	JWN,NIC3
10	I2511436-01 wg2036576	2.500	2.500	2.500	0.0242	0.0888	0.036	-	03/06/2025 08:02	JWN,NIC3
11	I2511436-02 wg2036576	2.500	2.500	2.500	0.0243	0.0889	0.036	-	03/06/2025 08:06	JWN,NIC3
12	I2511436-03 wg2036576	2.500	2.500	2.500	0.0254	0.0901	0.036	-	03/06/2025 08:09	JWN,NIC3
13	Check STD(5ug/L)	2.500	2.500	2.500	11.5902	12.3777	4.951	99.0	03/06/2025 08:12	JWN,NIC3
14	Check Blank	2.500	2.500	2.500	0.0468	0.1128	0.045	-	03/06/2025 08:16	JWN,NIC3
15	I2511436-04 wg2036576	2.500	2.500	2.500	0.0255	0.0902	0.036	-	03/06/2025 08:19	JWN,NIC3
16	I2511436-05 wg2036576	2.500	2.500	2.500	0.0252	0.0898	0.036	-	03/06/2025 08:22	JWN,NIC3
17	I2511436-07 wg2036576	2.500	2.500	2.500	0.0238	0.0884	0.035	-	03/06/2025 08:26	JWN,NIC3
18	I2511436-08 wg2036576	2.500	2.500	2.500	0.0408	0.1064	0.043	-	03/06/2025 08:29	JWN,NIC3
19	I2511436-09 wg2036576	2.500	2.500	2.500	0.0311	0.0961	0.038	-	03/06/2025 08:32	JWN,NIC3
20	I2511436-10 wg2036576	2.500	2.500	2.500	0.0427	0.1084	0.043	-	03/06/2025 08:36	JWN,NIC3
21	I2511436-11 wg2036576	2.500	2.500	2.500	0.0284	0.0932	0.037	-	03/06/2025 08:39	JWN,NIC3
22	wg2036576-2 wg2036576	2.500	2.500	2.500	2.1655	2.3639	0.946	-	03/06/2025 08:44	JWN,NIC3
23	I2511436-13 wg2036576	2.500	2.500	2.500	0.0257	0.0904	0.036	-	03/06/2025 08:47	JWN,NIC3
24	I2511436-14 wg2036576	2.500	2.500	2.500	0.0262	0.0909	0.036	-	03/06/2025 08:50	JWN,NIC3
25	Check STD(5ug/L)	2.500	2.500	2.500	11.5275	12.3111	4.924	98.5	03/06/2025 08:54	JWN,NIC3
26	Check Blank	2.500	2.500	2.500	0.0485	0.1146	0.046	-	03/06/2025 08:57	JWN,NIC3
27	I2511436-15 wg2036576	2.500	2.500	2.500	0.0270	0.0918	0.037	-	03/06/2025 09:00	JWN,NIC3
28	I2511436-12 wg2036576	2.500	2.500	2.500	0.0283	0.0931	0.037	-	03/06/2025 09:03	JWN,NIC3
29	WG2036913-1 WG2036913	2.500	2.500	2.500	0.0187	0.0829	0.033	-	03/06/2025 09:09	JWN,NIC3
30	WG2036913-2 WG2036913	2.500	2.500	2.500	2.1335	2.3299	0.932	-	03/06/2025 09:13	JWN,NIC3
31	L2511436-06 WG2036913	2.500	2.500	2.500	0.0279	0.0927	0.037	-	03/06/2025 09:16	JWN,NIC3
32	WG2036913-3 WG2036913	2.500	2.500	2.500	10.5988	11.3244	4.530	-	03/06/2025 09:19	JWN,NIC3
33	WG2036913-4 WG2036913	2.500	2.500	2.500	10.7134	11.4461	4.578	-	03/06/2025 09:22	JWN,NIC3
34	L2511436-01 WG2036913	2.500	2.500	2.500	0.0301	0.0951	0.038	-	03/06/2025 09:26	JWN,NIC3
35	L2511436-02 WG2036913	2.500	2.500	2.500	0.0278	0.0926	0.037	-	03/06/2025 09:29	JWN,NIC3
36	L2511436-03 WG2036913	2.500	2.500	2.500	0.0307	0.0957	0.038	-	03/06/2025 09:32	JWN,NIC3
37	Check STD(5ug/L)	2.500	2.500	2.500	11.5483	12.3332	4.933	98.7	03/06/2025 09:36	JWN,NIC3
38	Check Blank	2.500	2.500	2.500	0.0478	0.1139	0.046	-	03/06/2025 09:39	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	L2511436-04 WG2036913	2.500	2.500	2.500	0.0285	0.0934	0.037	-	03/06/2025 09:42	JWN,NIC3
40	L2511436-05 WG2036913	2.500	2.500	2.500	0.0288	0.0937	0.037	-	03/06/2025 09:46	JWN,NIC3
41	L2511436-07 WG2036913	2.500	2.500	2.500	0.0277	0.0925	0.037	-	03/06/2025 09:49	JWN,NIC3
42	L2511436-08 WG2036913	2.500	2.500	2.500	0.0298	0.0947	0.038	-	03/06/2025 09:52	JWN,NIC3
43	L2511436-09 WG2036913	2.500	2.500	2.500	0.0310	0.0960	0.038	-	03/06/2025 09:56	JWN,NIC3
44	L2511436-10 WG2036913	2.500	2.500	2.500	0.0330	0.0981	0.039	-	03/06/2025 09:59	JWN,NIC3
45	L2511436-11 WG2036913	2.500	2.500	2.500	0.0313	0.0963	0.039	-	03/06/2025 10:02	JWN,NIC3
46	L2511436-12 WG2036913	2.500	2.500	2.500	0.0305	0.0955	0.038	-	03/06/2025 10:05	JWN,NIC3
47	L2511436-13 WG2036913	2.500	2.500	2.500	0.0278	0.0926	0.037	-	03/06/2025 10:09	JWN,NIC3
48	L2511436-14 WG2036913	2.500	2.500	2.500	0.0273	0.0921	0.037	-	03/06/2025 10:12	JWN,NIC3
49	Check STD(5ug/L)	2.500	2.500	2.500	11.7112	12.5063	5.003	100.1	03/06/2025 10:15	JWN,NIC3
50	Check Blank	2.500	2.500	2.500	0.0483	0.1144	0.046	-	03/06/2025 10:19	JWN,NIC3
51	L2511436-15 WG2036913	2.500	2.500	2.500	0.0273	0.0921	0.037	-	03/06/2025 10:22	JWN,NIC3
52	wg2036992-1 wg2036992	2.500	2.500	2.500	0.0238	0.0884	0.035	-	03/06/2025 10:52	JWN,NIC3
53	wg2036992-2 wg2036992	2.500	2.500	2.500	2.1760	2.3751	0.950	-	03/06/2025 10:56	JWN,NIC3
54	I2511944-01 wg2036992	2.500	2.500	2.500	0.0240	0.0886	0.035	-	03/06/2025 10:59	JWN,NIC3
55	wg2036992-3 wg2036992	2.500	2.500	2.500	10.8007	11.5389	4.616	-	03/06/2025 11:02	JWN,NIC3
56	wg2036992-4 wg2036992	2.500	2.500	2.500	0.0251	0.0897	0.036	-	03/06/2025 11:06	JWN,NIC3
57	I2511944-06 wg2036992	2.500	2.500	2.500	0.0255	0.0902	0.036	-	03/06/2025 11:09	JWN,NIC3
58	wg2036992-5 wg2036992	2.500	2.500	2.500	10.4898	11.2086	4.483	-	03/06/2025 11:12	JWN,NIC3
59	wg2036992-6 wg2036992	2.500	2.500	2.500	10.8232	11.5628	4.625	-	03/06/2025 11:16	JWN,NIC3
60	I2511426-02 wg2036992	2.500	2.500	2.500	0.0327	0.0978	0.039	-	03/06/2025 11:19	JWN,NIC3
61	Check STD(5ug/L)	2.500	2.500	2.500	11.5503	12.3353	4.934	98.7	03/06/2025 11:22	JWN,NIC3
62	Check Blank	2.500	2.500	2.500	0.0500	0.1162	0.046	-	03/06/2025 11:25	JWN,NIC3
63	I2511529-01 wg2036992	2.500	2.500	2.500	0.0295	0.0944	0.038	-	03/06/2025 11:29	JWN,NIC3
64	I2511944-02 wg2036992	2.500	2.500	2.500	0.0367	0.1021	0.041	-	03/06/2025 11:32	JWN,NIC3
65	I2511944-03 wg2036992	2.500	2.500	2.500	0.0338	0.0990	0.040	-	03/06/2025 11:35	JWN,NIC3
66	I2511944-04 wg2036992	2.500	2.500	2.500	0.0293	0.0942	0.038	-	03/06/2025 11:39	JWN,NIC3
67	I2511944-05 wg2036992	2.500	2.500	2.500	0.0264	0.0911	0.036	-	03/06/2025 11:42	JWN,NIC3
68	I2511944-07 wg2036992	2.500	2.500	2.500	0.0265	0.0912	0.036	-	03/06/2025 11:45	JWN,NIC3
69	I2511944-08 wg2036992	2.500	2.500	2.500	0.0289	0.0938	0.038	-	03/06/2025 11:49	JWN,NIC3
70	I2511944-09 wg2036992	2.500	2.500	2.500	0.0280	0.0928	0.037	-	03/06/2025 11:52	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	Check STD(5ug/L)	2.500	2.500	2.500	11.7556	12.5535	5.021	100.4	03/06/2025 12:17	JWN,NIC3
72	Check Blank	2.500	2.500	2.500	0.0499	0.1161	0.046	-	03/06/2025 12:20	JWN,NIC3
73	Check STD(5ug/L)	2.500	2.500	2.500	11.6336	12.4238	4.970	99.4	03/06/2025 15:08	JWN,NIC3
74	Check Blank	2.500	2.500	2.500	0.0419	0.1076	0.043	-	03/06/2025 15:11	JWN,NIC3
75	WG2036929-1 WG2036929	2.500	2.500	2.500	0.0147	0.0787	0.031	-	03/06/2025 15:25	JWN,NIC3
76	WG2036929-2 WG2036929	2.500	2.500	2.500	2.1574	2.3553	0.942	-	03/06/2025 15:29	JWN,NIC3
77	L2511137-01 WG2036929	2.500	2.500	2.500	0.0117	0.0755	0.030	-	03/06/2025 15:32	JWN,NIC3
78	WG2036929-3 WG2036929	2.500	2.500	2.500	10.4184	11.1327	4.453	-	03/06/2025 15:35	JWN,NIC3
79	WG2036929-4 WG2036929	2.500	2.500	2.500	0.0156	0.0796	0.032	-	03/06/2025 15:39	JWN,NIC3
80	L2511137-02 WG2036929	2.500	2.500	2.500	0.0180	0.0822	0.033	-	03/06/2025 15:42	JWN,NIC3
81	L2511137-03 WG2036929	2.500	2.500	2.500	0.0151	0.0791	0.032	-	03/06/2025 15:45	JWN,NIC3
82	L2511137-04 WG2036929	2.500	2.500	2.500	0.0219	0.0863	0.035	-	03/06/2025 15:49	JWN,NIC3
83	Check STD(5ug/L)	2.500	2.500	2.500	11.8270	12.6293	5.052	101.0	03/06/2025 15:52	JWN,NIC3
84	Check Blank	2.500	2.500	2.500	0.0392	0.1047	0.042	-	03/06/2025 15:55	JWN,NIC3
85	L2511137-05 WG2036929	2.500	2.500	2.500	0.0171	0.0812	0.032	-	03/06/2025 15:59	JWN,NIC3
86	L2511137-06 WG2036929	2.500	2.500	2.500	0.0173	0.0815	0.033	-	03/06/2025 16:02	JWN,NIC3
87	L2511137-07 WG2036929	2.500	2.500	2.500	0.0181	0.0823	0.033	-	03/06/2025 16:05	JWN,NIC3
88	L2511137-08 WG2036929	2.500	2.500	2.500	0.0218	0.0862	0.034	-	03/06/2025 16:09	JWN,NIC3
89	L2511137-09 WG2036929	2.500	2.500	2.500	0.0228	0.0873	0.035	-	03/06/2025 16:12	JWN,NIC3
90	L2511137-10 WG2036929	2.500	2.500	2.500	0.0212	0.0856	0.034	-	03/06/2025 16:15	JWN,NIC3
91	L2511137-11 WG2036929	2.500	2.500	2.500	0.0206	0.0850	0.034	-	03/06/2025 16:19	JWN,NIC3
92	L2511137-12 WG2036929	2.500	2.500	2.500	0.0234	0.0879	0.035	-	03/06/2025 16:22	JWN,NIC3
93	L2511137-13 WG2036929	2.500	2.500	2.500	0.0223	0.0868	0.035	-	03/06/2025 16:25	JWN,NIC3
94	L2511137-14 WG2036929	2.500	2.500	2.500	0.0199	0.0842	0.034	-	03/06/2025 16:29	JWN,NIC3
95	Check STD(5ug/L)	2.500	2.500	2.500	11.6013	12.3895	4.956	99.1	03/06/2025 16:32	JWN,NIC3
96	Check Blank	2.500	2.500	2.500	0.0443	0.1101	0.044	-	03/06/2025 16:35	JWN,NIC3
97	L2511137-15 WG2036929	2.500	2.500	2.500	0.0213	0.0857	0.034	-	03/06/2025 16:39	JWN,NIC3
98	L2511137-16 WG2036929	2.500	2.500	2.500	0.0227	0.0872	0.035	-	03/06/2025 16:42	JWN,NIC3
99	L2511137-17 WG2036929	2.500	2.500	2.500	0.0285	0.0934	0.037	-	03/06/2025 16:45	JWN,NIC3
100	L2511137-18 WG2036929	2.500	2.500	2.500	0.0235	0.0880	0.035	-	03/06/2025 16:49	JWN,NIC3
101	L2511137-19 WG2036929	2.500	2.500	2.500	0.0240	0.0886	0.035	-	03/06/2025 16:52	JWN,NIC3
102	L2511137-20 WG2036929	2.500	2.500	2.500	0.0225	0.0870	0.035	-	03/06/2025 16:55	JWN,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	Check STD(5ug/L)	2.500	2.500	2.500	11.5429	12.3275	4.931	98.6	03/06/2025 16:58	JWN,NIC3
104	Check Blank	2.500	2.500	2.500	0.0453	0.1112	0.044	-	03/06/2025 17:02	JWN,NIC3

Title :
Date : 3/9/2025
Name :

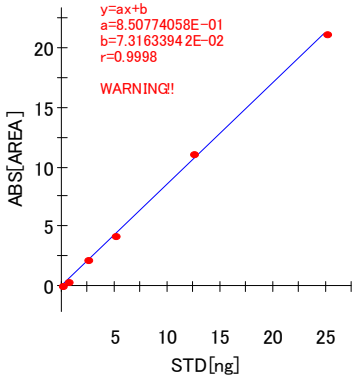
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0198	-0.0627	-	03/09/2025 10:02	CME,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4366	0.4272	14.6	03/09/2025 10:06	CME,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.1802	2.4766	0.9	03/09/2025 10:09	CME,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.2821	4.9472	1.1	03/09/2025 10:12	CME,NIC1
5	5.000	2.500	2.500	2.500	12.500	11.043	12.8948	3.2	03/09/2025 10:16	CME,NIC1
6	10.000	2.500	2.500	2.500	25.000	21.186	24.8170	0.7	03/09/2025 10:19	CME,NIC1

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	6.7318	7.8266	3.131	-	03/09/2025 10:29	CME,NIC1
2	ICB	2.500	2.500	2.500	0.0331	-0.0471	-0.019	-	03/09/2025 10:33	CME,NIC1
3	WG2037771-1 WG2037771	2.500	2.500	2.500	0.1551	0.0963	0.039	-	03/09/2025 10:59	CME,NIC1
4	WG2037771-2 WG2037771	2.500	2.500	2.500	1.9752	2.2357	0.894	-	03/09/2025 11:02	CME,NIC1
5	WG2037771-3 WG2037771	2.500	2.500	2.500	2.1527	2.4443	0.978	-	03/09/2025 11:06	CME,NIC1
6	I2512164-01 WG2037771	2.500	2.500	2.500	0.0691	-0.0048	-0.002	-	03/09/2025 11:09	CME,NIC1

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2037929-1 WG2037929	2.500	2.500	2.500	0.0382	-0.0411	-0.016	-	03/09/2025 11:12	CME,NIC1
8	WG2037929-2 WG2037929	2.500	2.500	2.500	2.0862	2.3661	0.946	-	03/09/2025 11:16	CME,NIC1
9	I2512815-01 WG2037929	2.500	2.500	2.500	0.3290	0.3007	0.120	-	03/09/2025 11:19	CME,NIC1
10	WG2037929-3 WG2037929	2.500	2.500	2.500	10.5221	12.2817	4.913	-	03/09/2025 11:22	CME,NIC1
11	WG2037929-4 WG2037929	2.500	2.500	2.500	0.3260	0.2972	0.119	-	03/09/2025 11:26	CME,NIC1
12	WG2037350-1 WG2037350	2.500	2.500	2.500	0.0347	-0.0452	-0.018	-	03/09/2025 11:29	CME,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	11.1772	13.0517	5.221	104.4	03/09/2025 11:32	CME,NIC1
14	Check Blank	2.500	2.500	2.500	0.0328	-0.0474	-0.019	-	03/09/2025 11:36	CME,NIC1
15	WG2037350-2 WG2037350	2.500	2.500	2.500	2.1871	2.4847	0.994	-	03/09/2025 11:39	CME,NIC1
16	L2511578-01 WG2037350	2.500	2.500	2.500	0.0320	-0.0484	-0.019	-	03/09/2025 11:42	CME,NIC1
17	WG2037350-3 WG2037350	2.500	2.500	2.500	10.8642	12.6838	5.074	-	03/09/2025 11:46	CME,NIC1
18	WG2037350-4 WG2037350	2.500	2.500	2.500	0.0324	-0.0479	-0.019	-	03/09/2025 11:49	CME,NIC1
19	L2511844-14 WG2037350	2.500	2.500	2.500	0.0358	-0.0439	-0.018	-	03/09/2025 11:52	CME,NIC1
20	L2511844-15 WG2037350	2.500	2.500	2.500	0.0625	-0.0125	-0.005	-	03/09/2025 11:55	CME,NIC1
21	HH1510MJR	2.500	2.500	2.500	0.0836	0.0123	0.005	-	03/09/2025 11:59	CME,NIC1
22	WG2037831-1 WG2037831	2.500	2.500	2.500	0.0356	-0.0442	-0.018	-	03/09/2025 12:02	CME,NIC1
23	WG2037831-2 WG2037831	2.500	2.500	2.500	2.1012	2.3838	0.954	-	03/09/2025 12:05	CME,NIC1
24	I2511584-01 WG2037831	2.500	2.500	2.500	0.0442	-0.0340	-0.014	-	03/09/2025 12:09	CME,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	11.0642	12.9189	5.168	103.4	03/09/2025 12:12	CME,NIC1
26	Check Blank	2.500	2.500	2.500	0.0289	-0.0520	-0.021	-	03/09/2025 12:15	CME,NIC1
27	WG2037831-3 WG2037831	2.500	2.500	2.500	10.3111	12.0337	4.813	-	03/09/2025 12:19	CME,NIC1
28	WG2037831-4 WG2037831	2.500	2.500	2.500	0.0394	-0.0397	-0.016	-	03/09/2025 12:22	CME,NIC1
29	I2511584-02 WG2037831	2.500	2.500	2.500	0.0926	0.0228	0.009	-	03/09/2025 12:25	CME,NIC1
30	WG2037463-1 WG2037463	2.500	2.500	2.500	0.0703	-0.0034	-0.001	-	03/09/2025 12:28	CME,NIC1
31	WG2037463-2 WG2037463	2.500	2.500	2.500	2.2358	2.5420	1.017	-	03/09/2025 12:32	CME,NIC1
32	WG2037463-3 WG2037463	2.500	2.500	2.500	2.4045	2.7403	1.096	-	03/09/2025 12:35	CME,NIC1
33	L2511581-01 WG2037463	2.500	2.500	2.500	0.2094	0.1601	0.064	-	03/09/2025 12:38	CME,NIC1
34	L2511581-02 WG2037463	2.500	2.500	2.500	0.1482	0.0882	0.035	-	03/09/2025 12:42	CME,NIC1
35	L2511581-03 WG2037463	2.500	2.500	2.500	0.0928	0.0231	0.009	-	03/09/2025 12:45	CME,NIC1
36	L2511581-04 WG2037463	2.500	2.500	2.500	0.0691	-0.0048	-0.002	-	03/09/2025 12:48	CME,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	10.9587	12.7949	5.118	102.4	03/09/2025 12:52	CME,NIC1
38	Check Blank	2.500	2.500	2.500	0.0287	-0.0523	-0.021	-	03/09/2025 12:55	CME,NIC1

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	L2511581-05 WG2037463	2.500	2.500	2.500	0.3104	0.2788	0.112	-	03/09/2025 12:58	CME,NIC1
40	L2511581-06 WG2037463	2.500	2.500	2.500	0.0821	0.0105	0.004	-	03/09/2025 13:01	CME,NIC1
41	L2511581-07 WG2037463	2.500	2.500	2.500	0.0844	0.0132	0.005	-	03/09/2025 13:05	CME,NIC1
42	L2511581-08 WG2037463	2.500	2.500	2.500	0.1403	0.0789	0.032	-	03/09/2025 13:08	CME,NIC1
43	wg2037773-1 wg2037773	2.500	2.500	2.500	0.2387	0.1946	0.078	-	03/09/2025 13:11	CME,NIC1
44	wg2037773-2 wg2037773	2.500	2.500	2.500	2.1850	2.4823	0.993	-	03/09/2025 13:15	CME,NIC1
45	L2511944-06 wg2037773	2.500	2.500	2.500	0.5913	0.6090	0.244	-	03/09/2025 13:18	CME,NIC1
46	wg2037773-3 wg2037773	2.500	2.500	2.500	10.4913	12.2455	4.898	-	03/09/2025 13:21	CME,NIC1
47	wg2037773-4 wg2037773	2.500	2.500	2.500	10.6689	12.4542	4.982	-	03/09/2025 13:25	CME,NIC1
48	L2511529-01 wg2037773	2.500	2.500	2.500	0.0313	-0.0492	-0.020	-	03/09/2025 13:28	CME,NIC1
49	Check STD(5ug/L)	2.500	2.500	2.500	11.0730	12.9292	5.172	103.4	03/09/2025 13:31	CME,NIC1
50	Check Blank	2.500	2.500	2.500	0.0276	-0.0536	-0.021	-	03/09/2025 13:34	CME,NIC1
51	L2511944-01 wg2037773	2.500	2.500	2.500	0.2034	0.1531	0.061	-	03/09/2025 13:38	CME,NIC1
52	L2511944-02 wg2037773	2.500	2.500	2.500	0.0963	0.0272	0.011	-	03/09/2025 13:41	CME,NIC1
53	L2511944-03 wg2037773	2.500	2.500	2.500	0.0854	0.0144	0.006	-	03/09/2025 13:44	CME,NIC1
54	L2511944-04 wg2037773	2.500	2.500	2.500	0.0823	0.0107	0.004	-	03/09/2025 13:48	CME,NIC1
55	L2511944-05 wg2037773	2.500	2.500	2.500	0.0681	-0.0060	-0.002	-	03/09/2025 13:51	CME,NIC1
56	L2511944-07 wg2037773	2.500	2.500	2.500	0.0661	-0.0083	-0.003	-	03/09/2025 13:54	CME,NIC1
57	L2511944-08 wg2037773	2.500	2.500	2.500	0.1694	0.1131	0.045	-	03/09/2025 13:58	CME,NIC1
58	L2511944-09 wg2037773	2.500	2.500	2.500	0.1187	0.0535	0.021	-	03/09/2025 14:01	CME,NIC1
59	WG2037330-1 WG2037330	2.500	2.500	2.500	0.0266	-0.0547	-0.022	-	03/09/2025 14:26	CME,NIC1
60	WG2037330-2 WG2037330	2.500	2.500	2.500	2.1150	2.4000	0.960	-	03/09/2025 14:29	CME,NIC1
61	Check STD(5ug/L)	2.500	2.500	2.500	10.9958	12.8385	5.135	102.7	03/09/2025 14:33	CME,NIC1
62	Check Blank	2.500	2.500	2.500	0.0303	-0.0504	-0.020	-	03/09/2025 14:36	CME,NIC1
63	L2511311-01 WG2037330	2.500	2.500	2.500	0.0399	-0.0391	-0.016	-	03/09/2025 14:39	CME,NIC1
64	WG2037330-3 WG2037330	2.500	2.500	2.500	10.6556	12.4386	4.975	-	03/09/2025 14:43	CME,NIC1
65	WG2037330-4 WG2037330	2.500	2.500	2.500	0.0338	-0.0463	-0.019	-	03/09/2025 14:46	CME,NIC1
66	L2510791-01 WG2037330	2.500	2.500	2.500	0.0352	-0.0446	-0.018	-	03/09/2025 14:49	CME,NIC1
67	L2511311-02 WG2037330	2.500	2.500	2.500	0.0820	0.0104	0.004	-	03/09/2025 14:52	CME,NIC1
68	L2511311-03 WG2037330	2.500	2.500	2.500	0.0414	-0.0373	-0.015	-	03/09/2025 14:56	CME,NIC1
69	L2511311-04 WG2037330	2.500	2.500	2.500	0.0660	-0.0084	-0.003	-	03/09/2025 14:59	CME,NIC1
70	L2511452-01 WG2037330	2.500	2.500	2.500	0.0366	-0.0430	-0.017	-	03/09/2025 15:02	CME,NIC1

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	L2511972-16 WG2037330	2.500	2.500	2.500	0.0505	-0.0266	-0.011	-	03/09/2025 15:06	CME,NIC1
72	L2511972-17 WG2037330	2.500	2.500	2.500	0.1675	0.1109	0.044	-	03/09/2025 15:09	CME,NIC1
73	Check STD(5ug/L)	2.500	2.500	2.500	11.4021	13.3160	5.326	106.5	03/09/2025 15:12	CME,NIC1
74	Check Blank	2.500	2.500	2.500	0.0301	-0.0506	-0.020	-	03/09/2025 15:16	CME,NIC1
75	L2512000-01 WG2037330	2.500	2.500	2.500	0.0504	-0.0268	-0.011	-	03/09/2025 15:19	CME,NIC1
76	L2512000-02 WG2037330	2.500	2.500	2.500	0.0327	-0.0476	-0.019	-	03/09/2025 15:22	CME,NIC1
77	L2512000-03 WG2037330	2.500	2.500	2.500	1.0414	1.1381	0.455	-	03/09/2025 15:26	CME,NIC1
78	L2512000-04 WG2037330	2.500	2.500	2.500	0.0455	-0.0325	-0.013	-	03/09/2025 15:29	CME,NIC1
79	L2512000-05 WG2037330	2.500	2.500	2.500	0.2508	0.2088	0.084	-	03/09/2025 15:32	CME,NIC1
80	L2512000-06 WG2037330	2.500	2.500	2.500	0.1150	0.0492	0.020	-	03/09/2025 15:35	CME,NIC1
81	L2512000-07 WG2037330	2.500	2.500	2.500	0.2030	0.1526	0.061	-	03/09/2025 15:39	CME,NIC1
82	L2512000-08 WG2037330	2.500	2.500	2.500	0.1870	0.1338	0.054	-	03/09/2025 15:42	CME,NIC1
83	Check STD(5ug/L)	2.500	2.500	2.500	11.3351	13.2373	5.295	105.9	03/09/2025 15:45	CME,NIC1
84	Check Blank	2.500	2.500	2.500	0.0303	-0.0504	-0.020	-	03/09/2025 15:49	CME,NIC1

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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ERA
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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

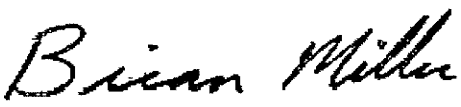
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

No.	Sample No.	NAME	CURVE: WG2036212
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	wg2036576-1 wg2036576	
4	10	xwg2036576-2 wg2036576	
5	11	l2511436-06 wg2036576	
6	12	wg2036576-3 wg2036576	
7	13	wg2036576-4 wg2036576	
8	14	l2511180-01 wg2036576	
9	15	l2511180-02 wg2036576	
10	16	l2511436-01 wg2036576	
11	17	l2511436-02 wg2036576	
12	18	l2511436-03 wg2036576	
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	l2511436-04 wg2036576	
16	22	l2511436-05 wg2036576	
17	23	l2511436-07 wg2036576	
18	24	l2511436-08 wg2036576	
19	25	l2511436-09 wg2036576	
20	26	l2511436-10 wg2036576	
21	27	l2511436-11 wg2036576	
22	28	wg2036576-2 wg2036576	
23	29	l2511436-13 wg2036576	
24	30	l2511436-14 wg2036576	
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	l2511436-15 wg2036576	
28	34	l2511436-12 wg2036576	
29	35	WG2036913-1 WG2036913	
30	36	WG2036913-2 WG2036913	
31	37	L2511436-06 WG2036913	
32	38	WG2036913-3 WG2036913	
33	39	WG2036913-4 WG2036913	
34	40	L2511436-01 WG2036913	
35	41	L2511436-02 WG2036913	
36	42	L2511436-03 WG2036913	
37	43	Check STD(5ug/L)	

38	44	Check Blank
39	45	L2511436-04 WG2036913
40	46	L2511436-05 WG2036913
41	47	L2511436-07 WG2036913
42	48	L2511436-08 WG2036913
43	49	L2511436-09 WG2036913
44	50	L2511436-10 WG2036913
45	51	L2511436-11 WG2036913
46	52	L2511436-12 WG2036913
47	53	L2511436-13 WG2036913
48	54	L2511436-14 WG2036913
49	55	Check STD(5ug/L)
50	56	Check Blank
51	57	L2511436-15 WG2036913
52	58	wg2036992-1 wg2036992
53	59	wg2036992-2 wg2036992
54	60	l2511944-01 wg2036992
55	61	wg2036992-3 wg2036992
56	62	wg2036992-4 wg2036992
57	63	l2511944-06 wg2036992
58	64	wg2036992-5 wg2036992
59	65	wg2036992-6 wg2036992
60	66	l2511426-02 wg2036992
61	67	Check STD(5ug/L)
62	68	Check Blank
63	69	l2511529-01 wg2036992
64	70	l2511944-02 wg2036992
65	71	l2511944-03 wg2036992
66	72	l2511944-04 wg2036992
67	73	l2511944-05 wg2036992
68	74	l2511944-07 wg2036992
69	75	l2511944-08 wg2036992
70	76	l2511944-09 wg2036992
71	79	Check STD(5ug/L)
72	80	Check Blank
73	1	Check STD(5ug/L)
74	2	Check Blank
75	3	WG2036929-1 WG2036929
76	4	WG2036929-2 WG2036929
77	5	L2511137-01 WG2036929
78	6	WG2036929-3 WG2036929
79	7	WG2036929-4 WG2036929
80	8	L2511137-02 WG2036929
81	9	L2511137-03 WG2036929

82	10	L2511137-04 WG2036929
83	11	Check STD(5ug/L)
84	12	Check Blank
85	13	L2511137-05 WG2036929
86	14	L2511137-06 WG2036929
87	15	L2511137-07 WG2036929
88	16	L2511137-08 WG2036929
89	17	L2511137-09 WG2036929
90	18	L2511137-10 WG2036929
91	19	L2511137-11 WG2036929
92	20	L2511137-12 WG2036929
93	21	L2511137-13 WG2036929
94	22	L2511137-14 WG2036929
95	23	Check STD(5ug/L)
96	24	Check Blank
97	25	L2511137-15 WG2036929
98	26	L2511137-16 WG2036929
99	27	L2511137-17 WG2036929
100	28	L2511137-18 WG2036929
101	29	L2511137-19 WG2036929
102	30	L2511137-20 WG2036929
103	35	Check STD(5ug/L)
104	36	Check Blank

No.	Sample No.	NAME	CURVE:WG2037537
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	WG2037771-1	WG2037771
4	10	WG2037771-2	WG2037771
5	11	WG2037771-3	WG2037771
6	12	l2512164-01	WG2037771
7	13	WG2037929-1	WG2037929
8	14	WG2037929-2	WG2037929
9	15	l2512815-01	WG2037929
10	16	WG2037929-3	WG2037929
11	17	WG2037929-4	WG2037929
12	18	WG2037350-1	WG2037350
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	WG2037350-2	WG2037350
16	22	L2511578-01	WG2037350
17	23	WG2037350-3	WG2037350
18	24	WG2037350-4	WG2037350
19	25	L2511844-14	WG2037350
20	26	L2511844-15	WG2037350
21	27	HH1510MJR	
22	28	WG2037831-1	WG2037831
23	29	WG2037831-2	WG2037831
24	30	l2511584-01	WG2037831
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	WG2037831-3	WG2037831
28	34	WG2037831-4	WG2037831
29	35	l2511584-02	WG2037831
30	36	WG2037463-1	WG2037463
31	37	WG2037463-2	WG2037463
32	38	WG2037463-3	WG2037463
33	39	L2511581-01	WG2037463
34	40	L2511581-02	WG2037463
35	41	L2511581-03	WG2037463
36	42	L2511581-04	WG2037463
37	43	Check STD(5ug/L)	

38	44	Check Blank
39	45	L2511581-05 WG2037463
40	46	L2511581-06 WG2037463
41	47	L2511581-07 WG2037463
42	48	L2511581-08 WG2037463
43	49	wg2037773-1 wg2037773
44	50	wg2037773-2 wg2037773
45	51	L2511944-06 wg2037773
46	52	wg2037773-3 wg2037773
47	53	wg2037773-4 wg2037773
48	54	L2511529-01 wg2037773
49	55	Check STD(5ug/L)
50	56	Check Blank
51	57	L2511944-01 wg2037773
52	58	L2511944-02 wg2037773
53	59	L2511944-03 wg2037773
54	60	L2511944-04 wg2037773
55	61	L2511944-05 wg2037773
56	62	L2511944-07 wg2037773
57	63	L2511944-08 wg2037773
58	64	L2511944-09 wg2037773
59	65	WG2037330-1 WG2037330
60	66	WG2037330-2 WG2037330
61	67	Check STD(5ug/L)
62	68	Check Blank
63	69	L2511311-01 WG2037330
64	70	WG2037330-3 WG2037330
65	71	WG2037330-4 WG2037330
66	72	L2510791-01 WG2037330
67	73	L2511311-02 WG2037330
68	74	L2511311-03 WG2037330
69	75	L2511311-04 WG2037330
70	76	L2511452-01 WG2037330
71	77	L2511972-16 WG2037330
72	78	L2511972-17 WG2037330
73	79	Check STD(5ug/L)
74	80	Check Blank
75	1	L2512000-01 WG2037330
76	2	L2512000-02 WG2037330
77	3	L2512000-03 WG2037330
78	4	L2512000-04 WG2037330
79	5	L2512000-05 WG2037330
80	6	L2512000-06 WG2037330
81	7	L2512000-07 WG2037330

82	8	L2512000-08 WG2037330
83	9	Check STD(5ug/L)
84	10	Check Blank

METALS ELN REPORT

Workgroup: WG2036992

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24017249	H2SO4	24016430	METALS	METSPIKE	HG25071709 46NRS	METSPIKE	HG25071709 46NRS	320, 344

Additional Reagent/Std	K2O8S2	PS2507210600AJT
	KMnO4	PP2509040809SAM
	NaCl-NH2OH.HCl	HH2509050730JWN
		ICV2508241205CME

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511426-02 SAMP	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511529-01 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-01 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-02 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-03 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-04 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-05 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-06 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	

Reported: 10-MAR-25 09:21 AM

METALS ELN REPORT

Workgroup: WG2036992

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511944-07 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-08 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
L2511944-09 WATER	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
WG2036992-1 BLANK	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	ELN: NDD
WG2036992-2 LCS	03/05/25 20:57	Maisie Mcqueen	25	0.25	03/05/25 20:57	5	94.6	03/05/25 22:57	25	
WG2036992-3 MS	03/05/25 20:57	Maisie Mcqueen	25	1.25	03/05/25 20:57	5	94.6	03/05/25 22:57	25	
WG2036992-4 DUP	03/05/25 20:57	Maisie Mcqueen	25		03/05/25 20:57	5	94.6	03/05/25 22:57	25	
WG2036992-5 MS	03/05/25 20:57	Maisie Mcqueen	25	1.25	03/05/25 20:57	5	94.6	03/05/25 22:57	25	
WG2036992-6 MSD	03/05/25 20:57	Maisie Mcqueen	25	1.25	03/05/25 20:57	5	94.6	03/05/25 22:57	25	

METALS ELN REPORT

Workgroup: WG2036992

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganat	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

METALS ELN REPORT

Workgroup: WG2037773

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24017249	H2SO4	24016430	METALS	METSPIKE	HG25071709 46NRS	METSPIKE	HG25071709 46NRS	320, 344

Additional Reagent/Std	K2O8S2	PS2509031333AJT
	KMnO4	PP2509040809SAM
	NaCl-NH2OH.HCl	HH2509050730JWN
		ICV2508241205CME

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511529-01 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-01 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-02 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-03 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-04 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-05 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-06 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-07 WATER	03/07/25 13:41	Nathan Downs	NA	25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	

METALS ELN REPORT

Workgroup: WG2037773

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol ml	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2511944-08 WATER	03/07/25 13:41	Nathan Downs	NA	25		03/07/25 13:41	5	95.0	03/07/25 15:41	25	
L2511944-09 WATER	03/07/25 13:41	Nathan Downs	NA	25		03/07/25 13:41	5	95.0	03/07/25 15:41	25	
WG2037773-1 BLANK	03/07/25 13:41	Nathan Downs	NA	25		03/07/25 13:41	5	95.0	03/07/25 15:41	25	ELN: ADG
WG2037773-2 LCS	03/07/25 13:41	Nathan Downs	NA	25	0.25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
WG2037773-3 MS	03/07/25 13:41	Nathan Downs	NA	25	1.25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	
WG2037773-4 MSD	03/07/25 13:41	Nathan Downs	NA	25	1.25	03/07/25 13:41	5	95.0	03/07/25 15:41	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganat	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Reported: 10-MAR-25 09:21 AM

Wet Chemistry

Total Nitrogen Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.37	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.2	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	ND	0.30	0.30	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	5.2	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	2.4	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.86	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.6	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.86	0.30	0.30	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/11/25 13:39
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2039178.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	ND	0.30	0.30	U

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: Total Nitrogen

Method: *Calculation from TKN & NO3/NO2*

Product: TNITROGEN
Analyte: Total Nitrogen,
Analysis Date: 3/11/2025 13:39
Technician: JRO
Work group: WG2039178
RL: 0.3 mg/L

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2511638-02	2.14	0.2	1.0	2.34
SAMP	L2511640-01	1.33	35.16	5.0	35.16
SAMP	L2511645-01	26.6	0.69	10.0	27.29
SAMP	L2511645-02	2.39	4	1.0	6.39
	L2511733-01	114	9.3	20.0	123.3
	L2511745-01	27.9	0.066	10.0	27.9
SAMP	L2511919-01	0.508	0.084	1.0	0.508
SAMP	L2511919-02	0.108	0	1.0	0.108
SAMP	L2511919-04	0.083	0	1.0	0.083
SAMP	L2511919-05	0.155	0.075	1.0	0.23
SAMP	L2511919-07	0	0.42	1.0	0.42
SAMP	L2511919-08	0	0.17	1.0	0.17
SAMP	L2511932-01	1.32	0.078	1.0	1.32
SAMP	L2511932-02	0.724	0.086	1.0	0.724
	L2511944-01	0.131	0.37	1.0	0.37
	L2511944-02	0	1.2	1.0	1.2
	L2511944-03	0.0849	0.048	1.0	0.1329
	L2511944-04	0	5.2	1.0	5.2
	L2511944-05	0.0697	2.4	1.0	2.4
	L2511944-06	0	0.86	1.0	0.86
	L2511944-07	0	1.6	1.0	1.6
	L2511944-08	0	0.86	1.0	0.86
	L2511944-09	0	0	1.0	0

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and N03/NO2-N.

Aqueous samples:

mgTN-N/L = TKN-N(mg/l) + NO3/NO2-N (mg/l)

Soil samples:

mgTN-N/Kg = TKN-N(mg/Kg) + NO3/NO2-N(mg/Kg)

Total Kjeldahl Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 19:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 4,351.1	**Analyst**	: AT
Lab File ID	: NH320250306-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.131	0.300	0.066	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 19:43
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	4,351.1	**Analyst**	:	AT
Lab File ID	:	NH320250306-E	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 19:44
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	4,351.1	**Analyst**	:	AT
Lab File ID	:	NH320250306-E	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.084	0.300	0.066	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 19:44
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	4,351.1	**Analyst**	:	AT
Lab File ID	:	NH320250306-E	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 19:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	4,351.1	**Analyst**	:	AT
Lab File ID	:	NH320250306-E	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.069	0.300	0.066	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-06	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SR	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 19:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 4,351.1	**Analyst**	: AT
Lab File ID	: NH320250306-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 19:54
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	4,351.1	**Analyst**	:	AT
Lab File ID	:	NH320250306-E	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-08	Date Collected	:	03/04/25 12:00
Client ID	:	DUP_03042025	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 19:55
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	4,351.1	Analyst	:	AT
Lab File ID	:	NH320250306-E	Instrument ID	:	LACHAT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	03/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-09	**Date Collected**	: 03/04/25 15:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 19:56
Sample Matrix	: Equipment Blank	**Dilution Factor**	: 1
Analytical Method	: 4,351.1	**Analyst**	: AT
Lab File ID	: NH320250306-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037321-1	**Date Collected**	: NA
Client ID	: WG2037321-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 4,351.1	**Analyst**	: AT
Lab File ID	: NH320250306-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.130	0.300	0.022	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037321-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 19:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 4,351.1	**Analyst**	: AT
Lab File ID	: NH320250306-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.333	0.300	0.066	

Sample Raw Data

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Original Run Filename: OM_3-6-2025_10-19-55AM.OMN Created: 3/6/2025 10:19:55 AM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_10-19-55AM.OMN Last Modified: 3/6/2025 10:50:25 AM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

	Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight	TRAY A
	STD 1	1	S1	10.00000				
	STD 2	1	S2	8.00000				
	STD 3	1	S3	4.00000				
	STD 4	1	S4	2.00000				
	STD 5	1	S5	1.00000				
	STD 6	1	S6	0.40000				
	STD 7	1	S7	0.20000				
	STD 8	1	S8	0.10000				
	STD 9	1	S9	0.05000				
	STD 10	1	S10	0.00000				
	CCV 0.4000	1	S6	0.38326				96%
		Known Conc:		100.00000				
		Calibration:		Table/Fig. : 1				
	CCV 4.0000	1	S3	4.07124				102%
		Known Conc:		100.00000				
	CCB	1	S10	0.00435				
		Known Conc:		100.00000				
	HI ICV 8.0	1	1	8.19782				102%
	LO ICV 1.0	1	2	1.00012				100%
	ICB	1	3	-0.00025				
	WG2037100-1	1	4	0.00110		1.50		
	WG2037100-2	1	5	19.43671		7.50		97%
	LCS LO	1	6	1.86602		1.50		93%
	L2511124-01	1	7	3.10420		1.50		
	WG2037100-4	1	8	7.78332		1.50		117%
	WG2037100-3	1	9	3.39237		1.50		RPD=9%
	L2511124-02	1	10	3.05236		1.50		
X	CCV 0.4000	1	S6	0.44723				112%, RERUN OK
		Known Conc:		100.00000				
	CCV 4.0000	1	S3	4.10068				
		Known Conc:		100.00000				

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

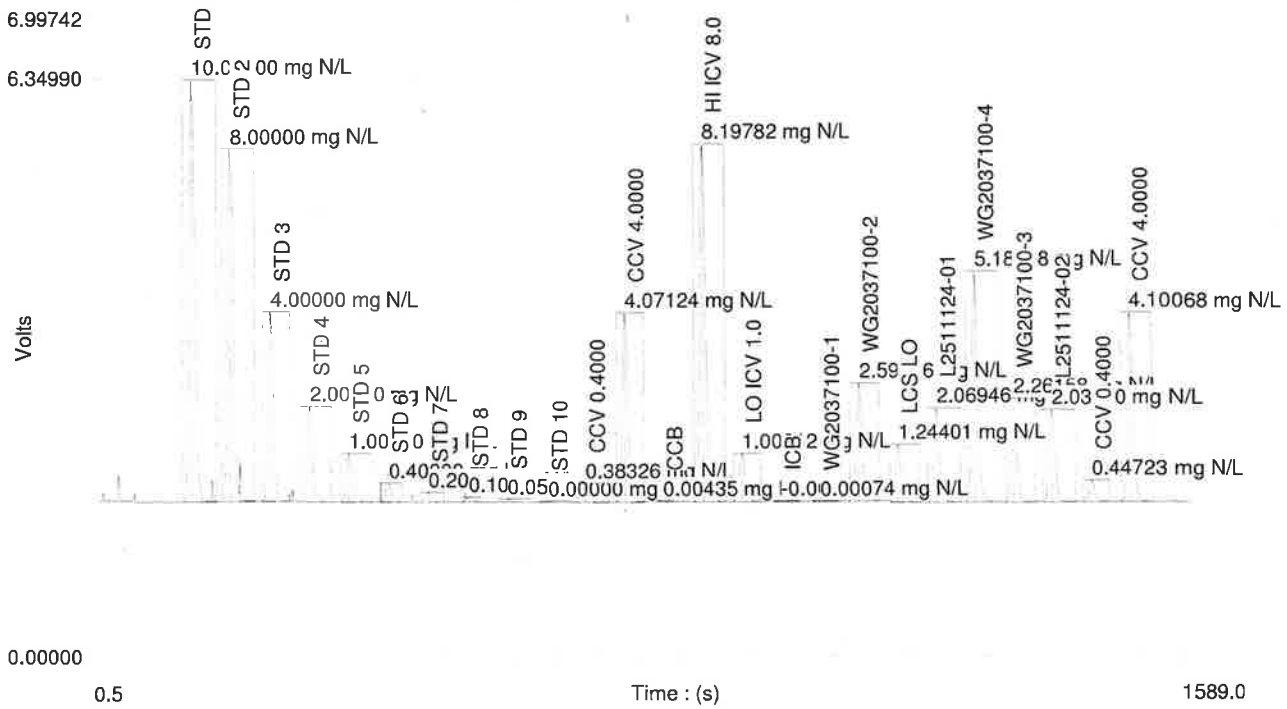
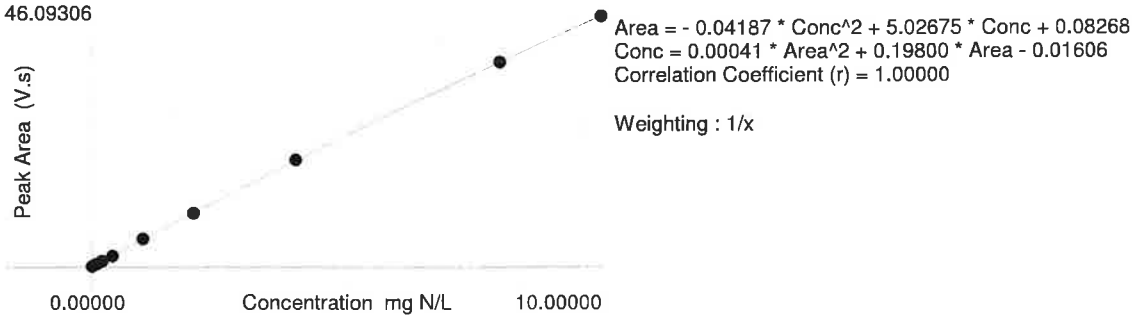


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Original Run Filename: OM_3-6-2025_10-53-47AM.OMN Created: 3/6/2025 10:53:47 AM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_10-53-47AM.OMN Last Modified: 3/6/2025 11:21:22 AM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

	Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight	TRAY A
	CCV 0.4000	1	S6	0.40063				100%
		Known Conc:		100.00000				
		Calibration:		Table/Fig. : 1				
	CCV 4.0000	1	S3	4.15640				104%
		Known Conc:		100.00000				
	CCB	1	S10	0.01354				
		Known Conc:		100.00000				
	L2511124-03	1	11	2.81296		1.50		
	L2511124-04	1	12	12.68059		1.50		
	L2511130-01	1	13	3.72765		1.50		
	L2511130-02	1	14	0.14971		1.50		
	L2511130-03	1	15	4.61432		1.50		
	L2511149-02	1	16	2.05607		7.50		
X	L2511179-07	1	17	25.66113		1.50		
X	L2511262-02	1	18	0.52132		1.50		
	L2511262-03	1	19	0.33447		1.50		
	L2511262-04	1	20	0.11895		1.50		
	CCV 0.4000	1	S6	0.39720				99%
		Known Conc:		100.00000				
	CCV 4.0000	1	S3	4.12949				103%
		Known Conc:		100.00000				
	CCB	1	S10	0.01208				
		Known Conc:		100.00000				
	L2511262-05	1	21	0.07914		1.50		
	L2511262-06	1	22	0.03924		1.50		
	L2511262-07	1	23	0.04526		1.50		
	L2511179-07; 20X	1	17	27.90903		30.00		
	L2511262-02	1	18	0.07375		1.50		
	CCV 0.4000	1	S6	0.38789				97%
		Known Conc:		100.00000				
	CCV 4.0000	1	S3	4.16597				104%
		Known Conc:		100.00000				
	CCB	1	S10	0.01120				
		Known Conc:		100.00000				

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

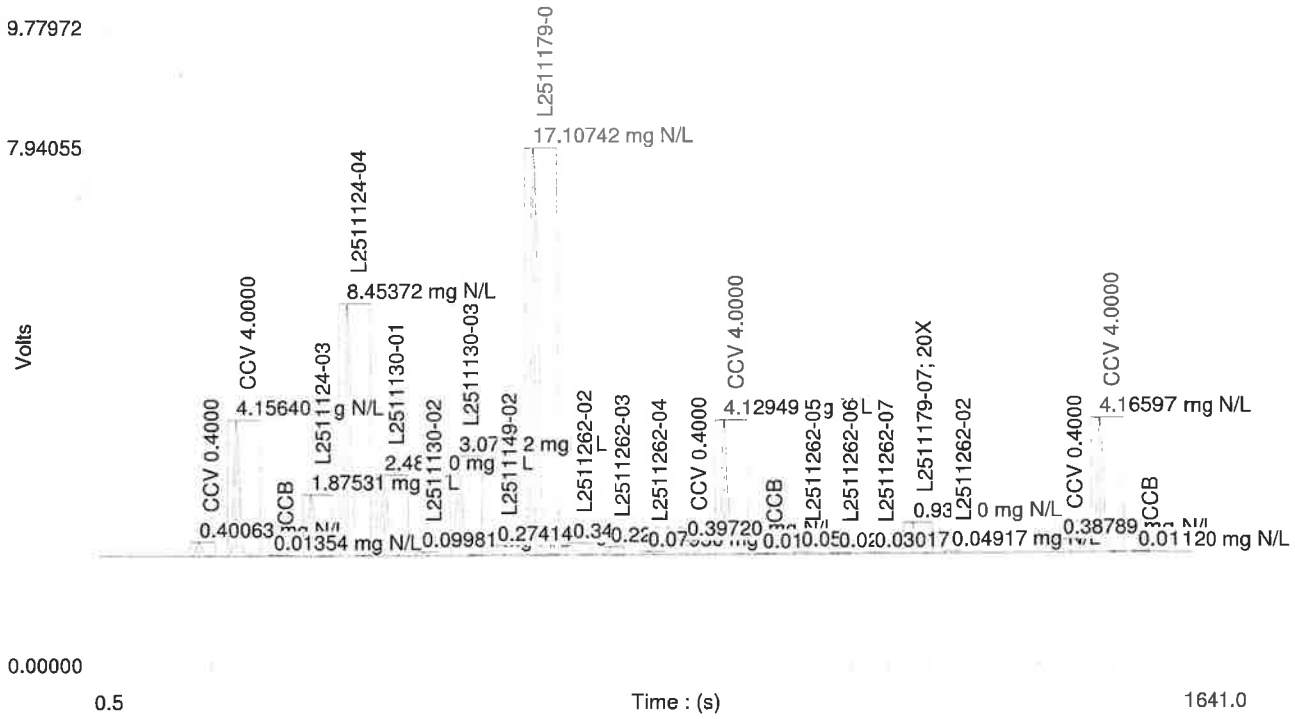
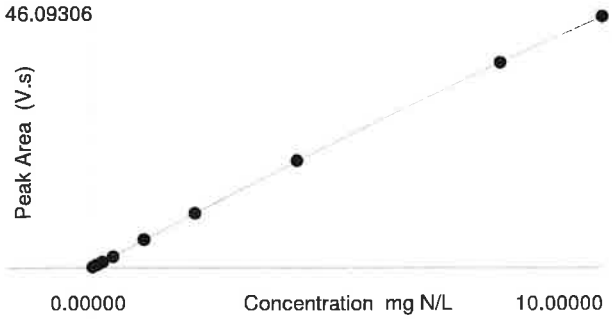


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



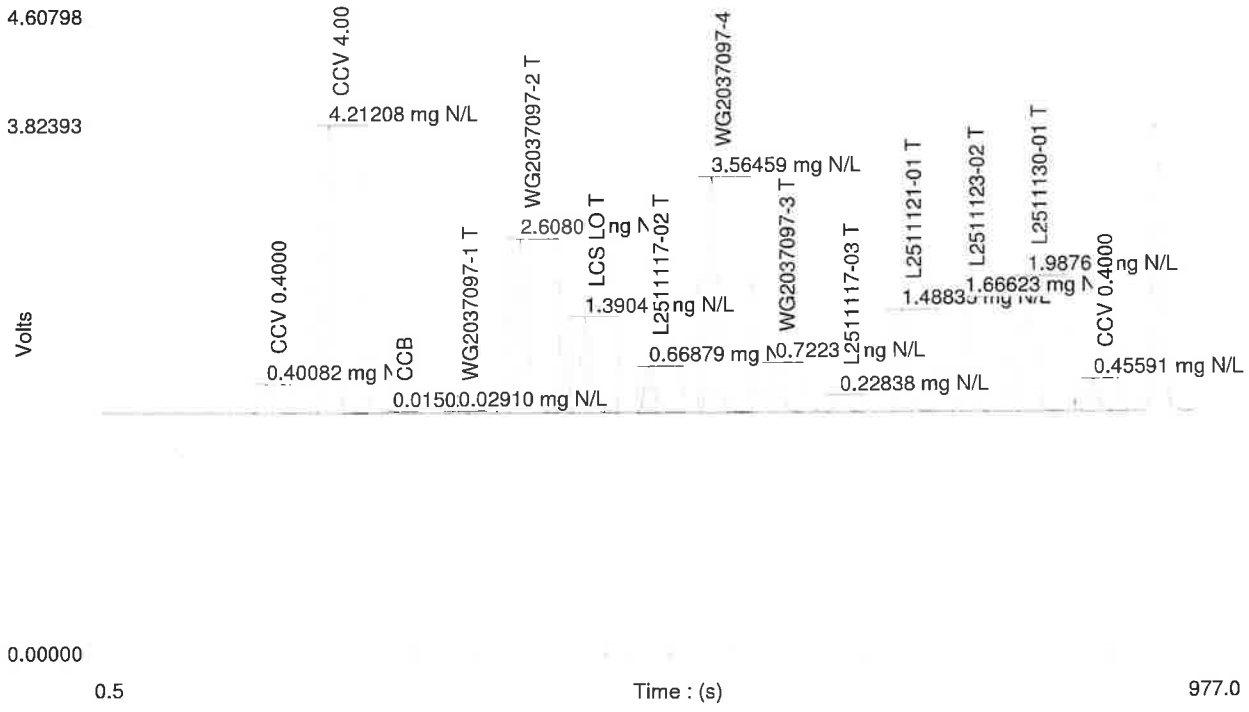
Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Original Run Filename: OM_3-6-2025_01-00-45PM.OMN Created: 3/6/2025 1:00:45 PM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_01-00-45PM.OMN Last Modified: 3/6/2025 1:17:24 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

	Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight	TRAY B
	CCV 0.4000	1	S6	0.40082				100%
		Known Conc:		100.00000				
	CCV 4.0000	1	S3	4.21208				105%
		Known Conc:		100.00000				
		Calibration:		Table/Fig. : 1				
	CCB	1	S10	0.01502				
		Known Conc:		100.00000				
	WG2037097-1 T	1	1	0.02910				
	WG2037097-2 T	1	2	39.12063		15.00		98%
	LCS LO T	1	3	4.17145		3.00		104%
	L2511117-02 T	1	4	10.03178		15.00		
	WG2037097-4 T	1	5	53.46888		15.00		109%
	WG2037097-3 T	1	6	10.83515		15.00		RPD=8%
	L2511117-03 T	1	7	3.42571		15.00		
	L2511121-01 T	1	8	4.46506		3.00		
	L2511123-02 T	1	9	4.99868		3.00		
	L2511130-01 T	1	10	5.96297		3.00		
X	CCV 0.4000	1	S6	0.45591				114%, RERUN OK
		Known Conc:		100.00000				

Channel 2 (Ammonia High) - Current View



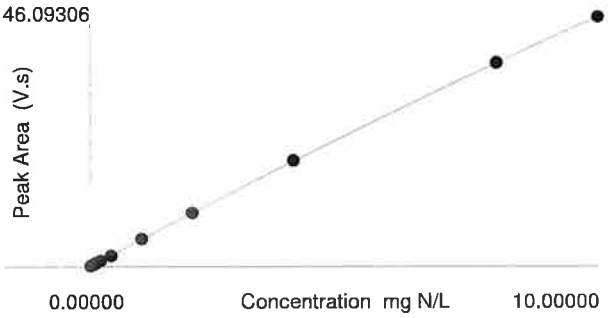
Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Area = - 0.04187 * Conc^2 + 5.02675 * Conc + 0.08268
Conc = 0.00041 * Area^2 + 0.19800 * Area - 0.01606
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: A1WETCHEMINSTRUMENT

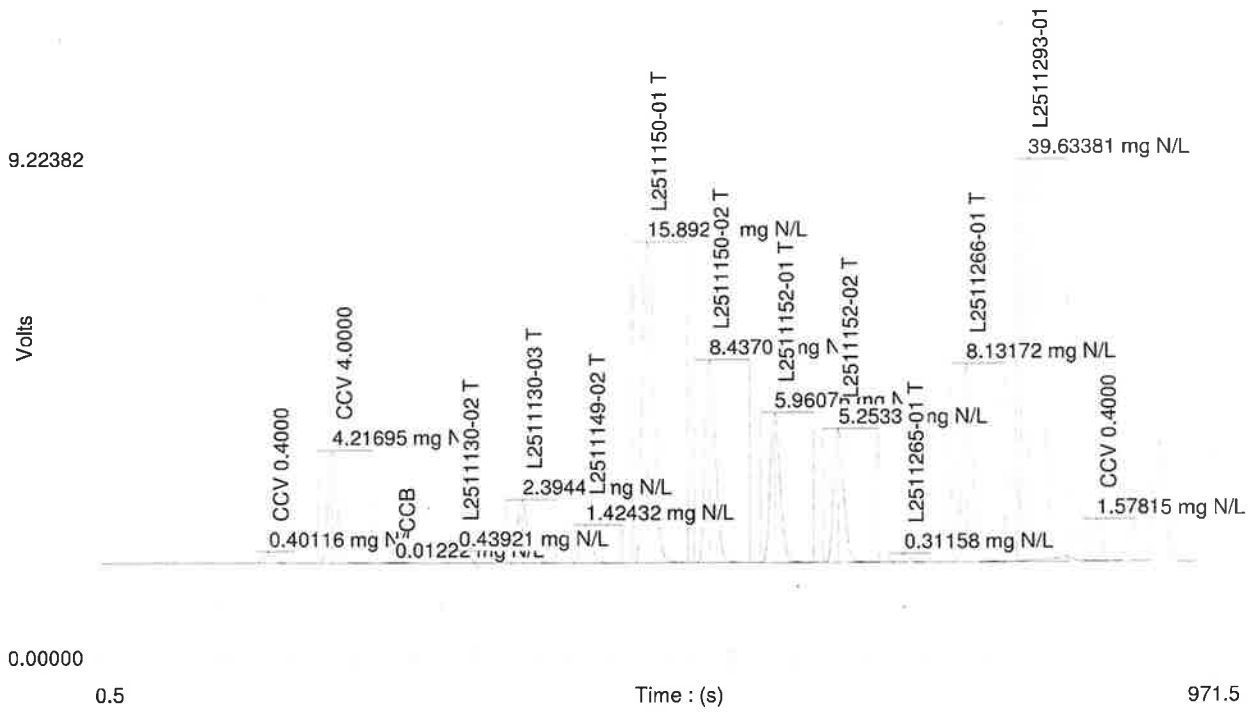
Date : 3/6/2025

Original Run Filename: OM_3-6-2025_01-21-41PM.OMN Created: 3/6/2025 1:21:41 PM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_01-21-41PM.OMN Last Modified: 3/6/2025 1:38:14 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

TRAY B

	Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight	
	CCV 0.4000	1	S6	0.40116				100%
		Known Conc:		100.00000				
	CCV 4.0000	1	S3	4.21695				105%
		Known Conc:		100.00000				
		Calibration:		Table/Fig. : 1				
	CCB	1	S10	0.01222				
		Known Conc:		100.00000				
X	L2511130-02 T	1	11	1.31763		3.00		
	L2511130-03 T	1	12	7.18334		3.00		
	L2511149-02 T	1	13	21.36481		15.00		
	L2511150-01 T	1	14	47.67702		3.00		
RERUN	L2511150-02 T	1	15	25.31119		3.00		
	L2511152-01 T	1	16	17.88229		3.00		
	L2511152-02 T	1	17	15.75989		3.00		
	L2511265-01 T	1	18	0.93475		3.00		
	L2511266-01 T	1	19	24.39515		3.00		
	L2511293-01 T	1	20	118.90144		3.00		
X	CCV 0.4000	1	S6	1.57815				395%, RERUN FAILED
		Known Conc:		100.00000				

Channel 2 (Ammonia High) - Current View



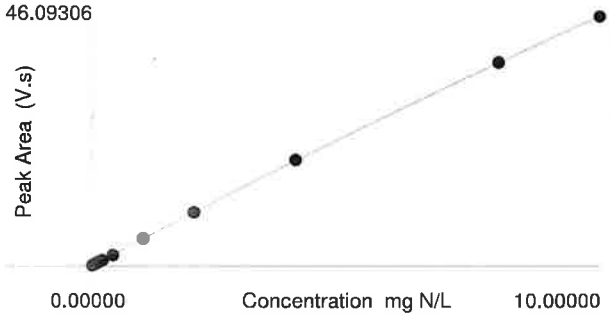
Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Area = - 0.04187 * Conc^2 + 5.02675 * Conc + 0.08268
Conc = 0.00041 * Area^2 + 0.19800 * Area - 0.01606
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Original Run Filename: OM_3-6-2025_01-59-34PM.OMN Created: 3/6/2025 1:59:34 PM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_01-59-34PM.OMN Last Modified: 3/6/2025 2:23:17 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight	TRAY B
CCV 0.4000	1	S6	0.39001				98%
	Known Conc:		100.00000				
	Calibration:		Table/Fig. : 1				
CCV 4.0000	1	S3	4.11187				103%
	Known Conc:		100.00000				
CCB	1	S10	0.01600				
	Known Conc:		100.00000				
L2511266-01 T	1	19	23.15096		3.00		
L2511293-01 T; 50X	1	20	654.80890		150.00		
L2511130-02 T	1	11	1.72081		3.00		
L2511130-03 T	1	12	6.88254		3.00		
L2511149-02 T	1	13	20.70970		15.00		
L2511150-01 T; 10X	1	14	~~5.00113~~		~~3.00~~	30	50.0113
L2511150-02 T	1	15	23.54433		3.00		
L2511152-01 T	1	16	17.10967		3.00		
L2511152-02 T	1	17	15.34711		3.00		
L2511265-01 T	1	18	1.01872		3.00		
CCV 0.4000	1	S6	0.42104				105%
	Known Conc:		100.00000				
CCV 4.0000	1	S3	4.19315				105%
	Known Conc:		100.00000				
CCB	1	S10	0.01426				
	Known Conc:		100.00000				
~~L2511150-02 T~~	~~1~~	~~15~~	~~23.51952~~		~~3.00~~		
~~L2511150-01 T; 10X~~	~~1~~	~~14~~	~~55.61121~~		~~30.00~~		
~~CCV 0.4000~~	~~1~~	~~S6~~	~~0.41484~~				~~104%~~
	~~Known Conc:~~		~~100.00000~~				
~~CCV 4.0000~~	~~1~~	~~S3~~	~~4.25359~~				~~106%~~
	~~Known Conc:~~		~~100.00000~~				
~~CCB~~	~~1~~	~~S10~~	~~0.01054~~				
	~~Known Conc:~~		~~100.00000~~				

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

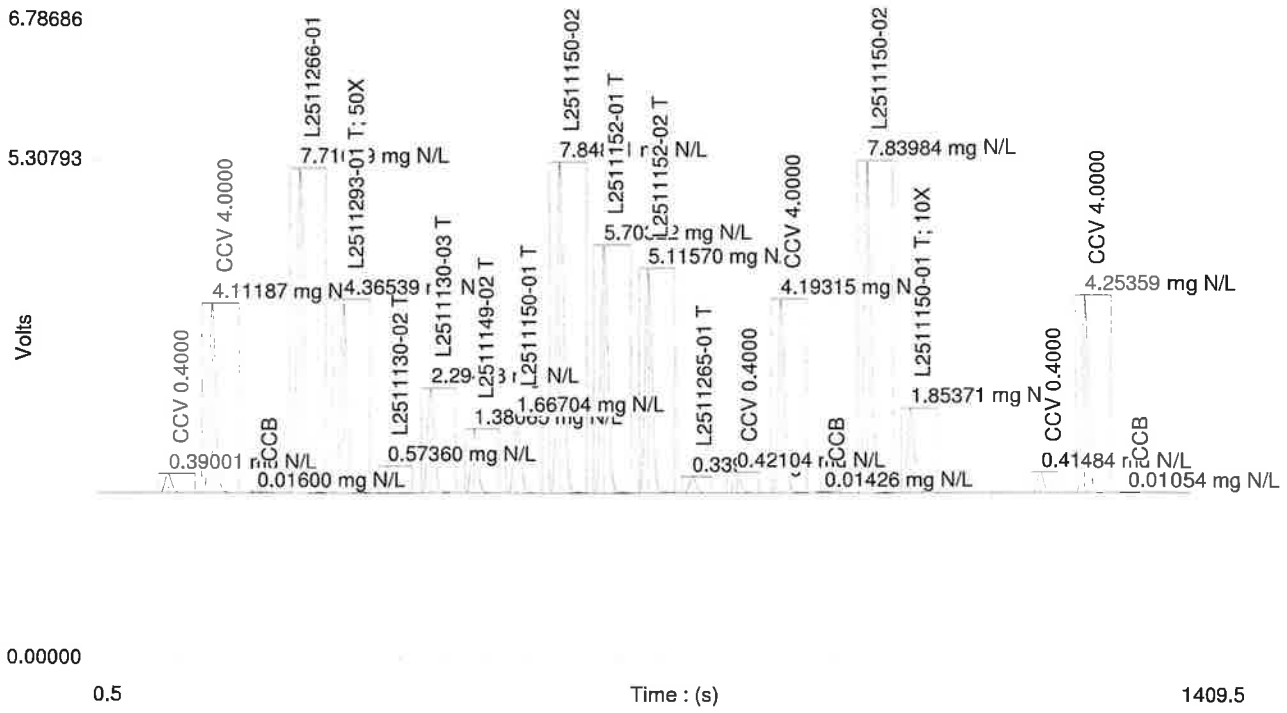
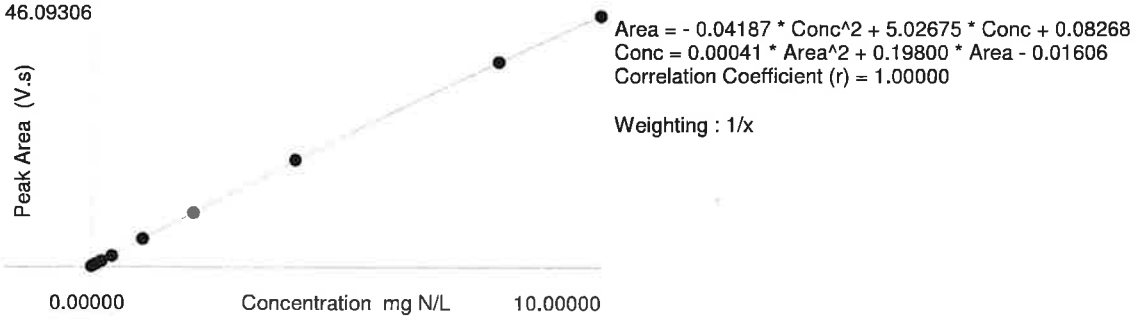


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Author: A1WETCHEMINSTRUMENT Date : 3/6/2025

Original Run Filename: OM_3-6-2025_04-55-13PM.OMN Created: 3/6/2025 4:55:13 PM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_04-55-13PM.OMN Last Modified: 3/6/2025 5:22:52 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight
CCV 0.4000	1	S6	0.39499	95%		
	Known Conc:		100.00000			
	Calibration:		Table/Fig. : 1			
CCV 4.0000	1	S3	4.30703	108%		
	Known Conc:		100.00000			
CCB	1	S10	0.01187			
	Known Conc:		100.00000			
WG2037318-1; BLK 3/6	1	1	-0.00389		1.50	
WG2037318-2; HI LCS; 5X	1	2	20.49081		7.50	103%
LO LCS	1	3	2.02544		1.50	101%
L2511485-01	1	4	0.06755		1.50	
L2511485-02	1	5	0.01413		1.50	
L2511485-03	1	6	0.02895		1.50	
L2511485-04	1	7	0.05385		1.50	
WG2037318-4; 11485.4 MS	1	8	4.52522		1.50	13% NC (LCTHL)
WG2037318-3; 11485.4 DUP	1	9	0.10904		1.50	
L2510986-09	1	10	0.03894		1.50	
CCV 0.4000	1	S6	0.39193	98%		
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.25201	106%		
	Known Conc:		100.00000			
CCB	1	S10	0.01094			
	Known Conc:		100.00000			
L2511578-01	1	11	0.05163		1.50	
L2511483-14	1	~~12~~	~~32.88313~~		3.00	
L2511483-15	1	~~13~~	~~7.79523~~		3.00	
L2511483-16	1	~~14~~	~~74.29314~~		3.00	w/dilution.
L2511483-17	1	~~15~~	~~30.84832~~		1.50	
L2511483-21	1	~~16~~	~~26.51384~~		1.50	
L2511833-01	1	~~17~~	~~21.15861~~		3.00	
L2511833-02	1	18	20.24276		3.00	
L2511833-03	1	19	5.62812		3.00	
L2511833-04	1	20	~~12.51729~~		1.50	
CCV 0.4000	1	S6	0.60124			
	Known Conc:		100.00000			

reinject - OK

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

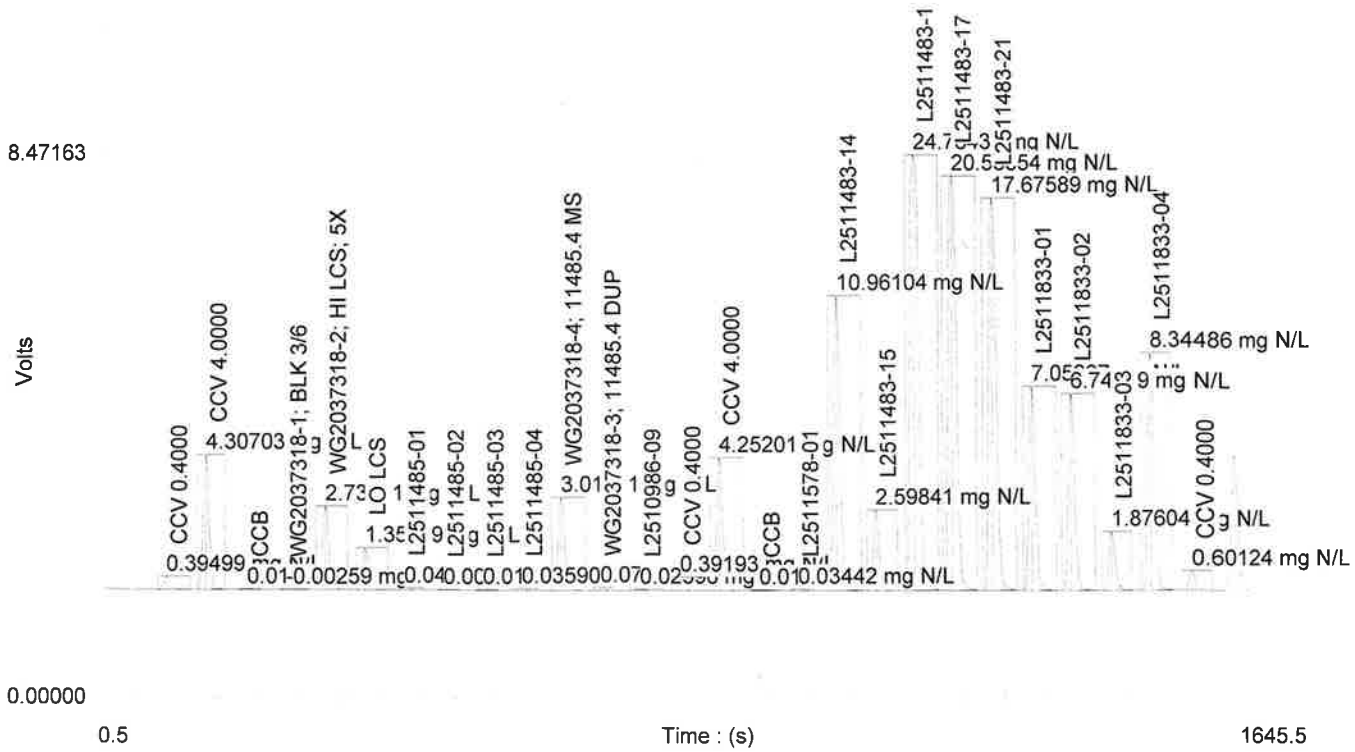
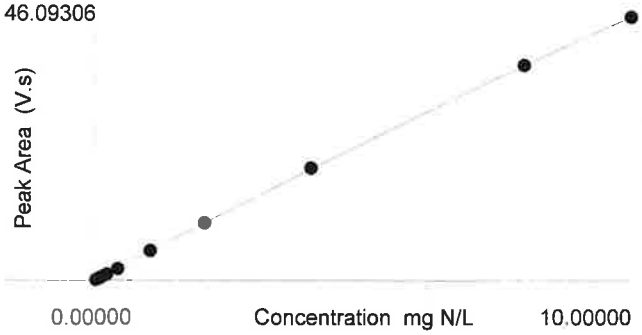


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

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Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_05-26-39PM.OMN Last Modified: 3/6/2025 5:53:15 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight
CCV 0.4000	1	S6	0.40454	101%		
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.25077	106%		
	Known Conc:		100.00000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.02294			
	Known Conc:		100.00000			
L2511833-05	1	21	4.90696		1.50	
L2511833-06	1	22	3.36404		1.50	
L2511833-07	1	23	5.01809		1.50	
L2511833-08	1	24	8.83919		7.50	
WG2037319-4; 11833.8 MS	1	25	32.32599		7.50	117%
WG2037319-3; 11833.8 DUP	1	26	9.58612		7.50	8%
~~L2511483-22~~	~~1~~	~~27~~	~~0.17983~~		~~1.50~~	replicate
L2511483-14; 10X	1	28	31.58152		30.00	
L2511483-15	1	29	18.05619		7.50	
L2511483-16; 25X	1	30	130.45291		75.00	
CCV 0.4000	1	S6	0.43399	109%		
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.22823	106%		
	Known Conc:		100.00000			
CCB	1	S10	0.01759			
	Known Conc:		100.00000			
L2511483-17; 10X	1	31	40.54539		15.00	
L2511483-21; 10X	1	32	32.14164		15.00	
L2511833-01	1	33	20.02308		3.00	
~~L2511483-22~~	~~1~~	~~27~~	~~0.33131~~		~~1.50~~	
~~L2511483-22~~	~~1~~	~~27~~	~~0.13059~~		~~1.50~~	
CCV 0.4000	1	S6	0.39396	99%		
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.20768	105%		
	Known Conc:		100.00000			
CCB	1	S10	0.01480			
	Known Conc:		100.00000			

D2

MS: 20ppm

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

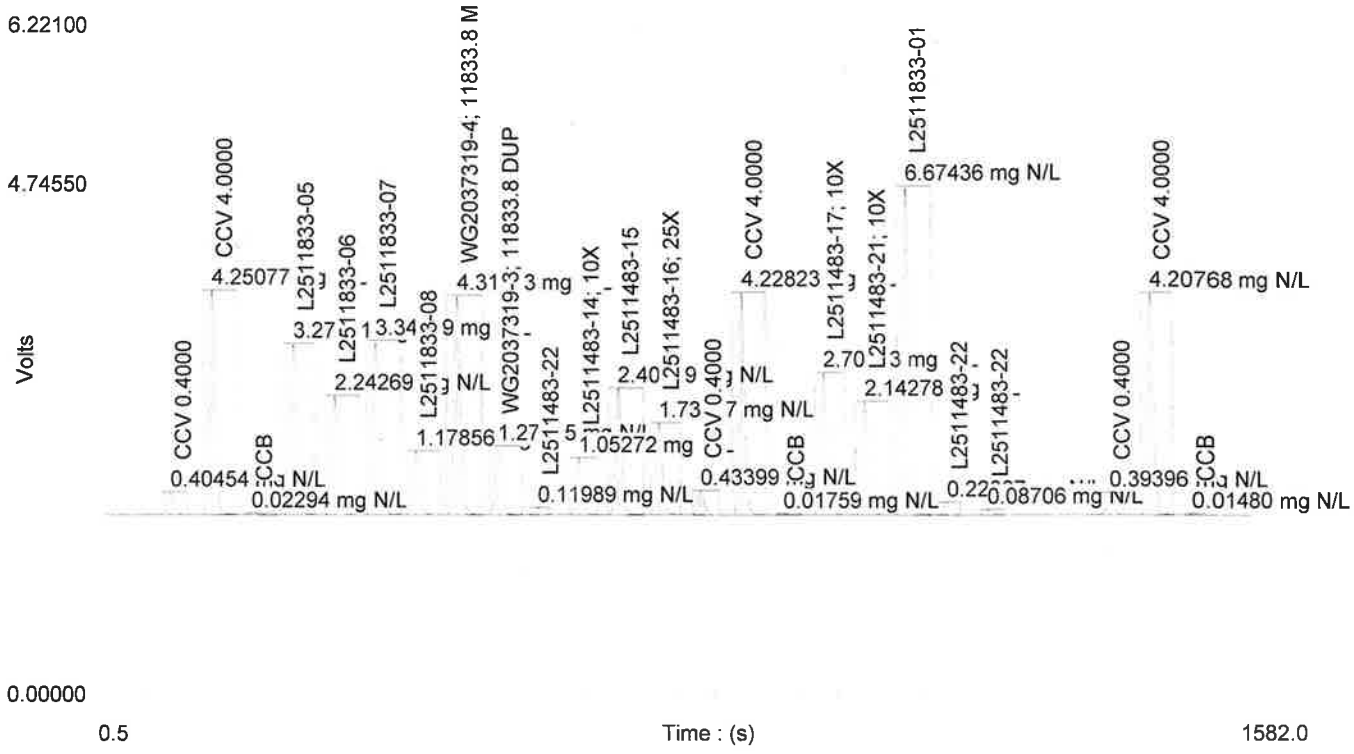
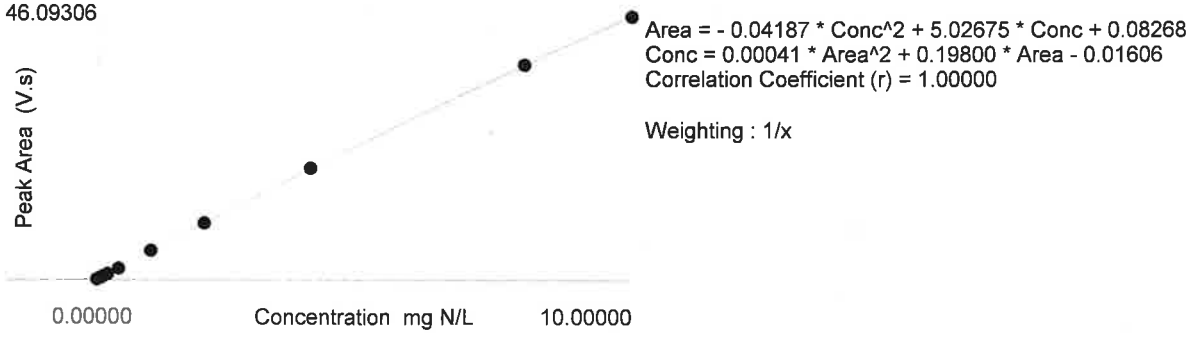


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Author: A1WETCHEMINSTRUMENT Date : 3/6/2025

Original Run Filename: OM_3-6-2025_07-34-24PM.OMN Created: 3/6/2025 7:34:24 PM
Original Run Author's Signature: [A1WETCHEMINSTRUMENT]
Current Run Filename: OM_3-6-2025_07-34-24PM.OMN Last Modified: 3/6/2025 8:12:22 PM
Current Run Author's Signature: [A1WETCHEMINSTRUMENT]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Ammonia (mg N/L)	ADF	MDF	Weight
CCV 0.4000	1	S6	0.38572			
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.13718			
	Known Conc:		100.00000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.01291			
	Known Conc:		100.00000			
WG2037321-1 T; BLK 3/6	1	1	0.04345			
WG2037321-2 T; HI LCS; 5X	1	2	39.16654		15.00	
LO LCS T	1	3	4.06926		3.00	
L2511529-01 T	1	4	0.20700		3.00	
L2511944-01 T	1	5	0.13088		3.00	
L2511944-02 T	1	6	0.03565		3.00	
L2511944-03 T	1	7	0.08491		3.00	
L2511944-04 T	1	8	-0.00984		3.00	
L2511911-01 T	1	9	32.44741		3.00	
L2511911-02 T	1	10	4.40688		6.00	
CCV 0.4000	1	S6	0.43113			
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.13663			
	Known Conc:		100.00000			
CCB	1	S10	0.02217			
	Known Conc:		100.00000			
L2511944-05 T	1	11	0.06965		3.00	
L2511944-06 T	1	12	0.05981		3.00	
WG2037321-4 T; 11944.6 MS	1	13	9.05659		3.00	
WG2037321-3 T; 11944.6 DUP	1	14	0.33333		3.00	
L2511944-07 T	1	15	0.03677		3.00	
L2511944-08 T	1	16	0.02584		3.00	
L2511944-09 T	1	17	0.02073		3.00	
L2511911-03 T	1	18	0.15771		3.00	
L2511911-04 T	1	19	2.26167		3.00	
L2511911-05 T	1	20	0.25510		3.00	
CCV 0.4000	1	S6	0.38778			
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.07386			
	Known Conc:		100.00000			
CCB	1	S10	0.01621			
	Known Conc:		100.00000			
L2511911-01 T; 10X	1	21	32.04807		30.00	
L2511911-02 T	1	22	3.15023		6.00	
CCV 0.4000	1	S6	0.39302			
	Known Conc:		100.00000			
CCV 4.0000	1	S3	4.06174			
	Known Conc:		100.00000			
CCB	1	S10	0.02939			
	Known Conc:		100.00000			

Author: A1WETCHEMINSTRUMENT

Date : 3/6/2025

Channel 2 (Ammonia High) - Current View

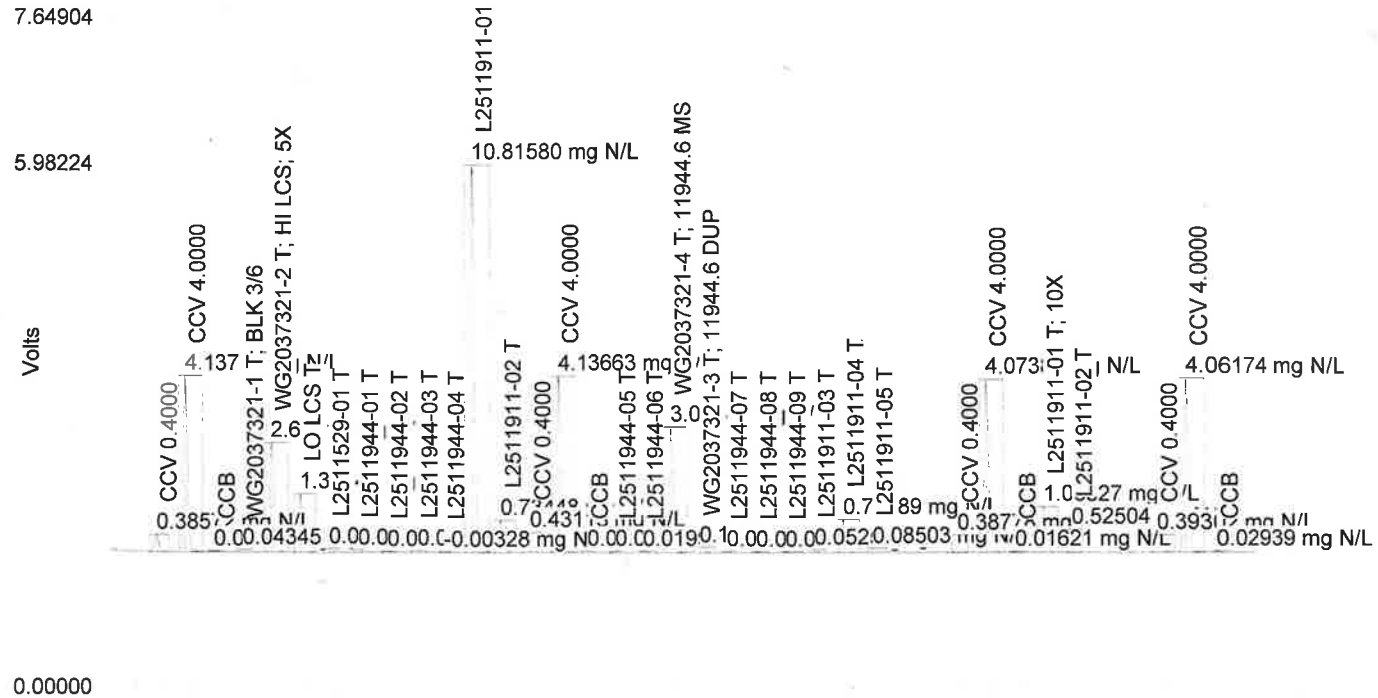
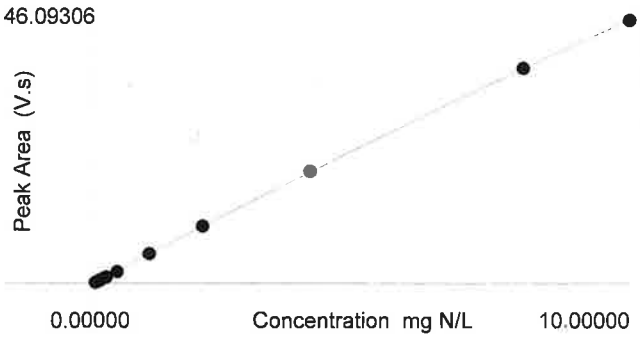


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.00000	1	46.09306	4.63211	0.0	0.2	9.97507	3/6/2025	10:25:23 AM
2	8.00000	1	37.64639	3.86343	0.0	-0.1	8.01475	3/6/2025	10:26:19 AM
3	4.00000	1	19.64947	2.07849	0.0	-0.7	4.03168	3/6/2025	10:27:17 AM
4	2.00000	1	9.93360	1.05023	0.0	0.4	1.99096	3/6/2025	10:28:14 AM
5	1.00000	1	5.13155	0.53242	0.0	-1.3	1.01070	3/6/2025	10:29:11 AM
6	0.40000	1	2.01252	0.20861	0.0	3.6	0.38407	3/6/2025	10:30:09 AM
7	0.20000	1	1.04600	0.10828	0.0	3.7	0.19149	3/6/2025	10:31:07 AM
8	0.10000	1	0.57466	0.05801	0.0	1.8	0.09786	3/6/2025	10:32:06 AM
9	0.05000	1	0.34181	0.03347	0.0	-2.4	0.05166	3/6/2025	10:33:03 AM
10	0.00000	1	0.09552	0.01454			0.00285	3/6/2025	10:33:59 AM

Figure : 1 (Ammonia)



Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037321-4	**MS Analysis Date**	: 03/06/25 19:52
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Nitrogen, Total Kjeldahl	ND	8	9.06	113	Q					77-111	24

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 19:51
Dup Sample ID	: WG2037321-3	**DUP Analysis Date**	: 03/06/25 19:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	ND	0.333	NC	24

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037321-2	**LCS Analysis Date**	: 03/06/25 19:39
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Total Kjeldahl	**40.0**	**39.2**	**98.**					**78-122**	**24**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Total Kjeldahl	NONE	0.3	0.066	mg/l	78-122		77-111	24	24	4500NH3-H	28 days	1 - Plastic 500ml H2SO4 preserved
Nitrogen, Total Kjeldahl	NONE	0.3	0.066	mg/l	78-122		77-111	24	24	351.1	28 days	1 - Plastic 500ml H2SO4 preserved

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 the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Total Kjeldahl	NONE	150	31.5	mg/kg	81-115	26	43-160	26	26	4500NH3-H	28 days	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

TKN-N mg/L = mg/L direct reading x dilution factor

Sequence Logs

TITLE NH_3 3/6/25 KEM

Project No. _____

Book No. _____ Confi

From Page No. ____

Tray A (10:19-55AM, 10-53-47AM)
prep 3/5/25 @20:00

1	Hi ICV 8.0
2	Lo ICV 1.0
3	ICB
4	WG2037100-1. Blk
5	-2; LCS Hi, 5X
6	LCS Lo
7	11124-01
8	-01 MS
9	-01 Dup
10	-02
11	-03
12	-04
13	11130-01
14	-02
15	-03
16	11149-02 (5X)
⊗ 17	11179-07; 20x 0.5%10
⊗ 18	11262-02
19	-03
20	-04
21	-05
22	-06
23	-07

Date: 3/6/25
Sodium Phenolate: 3/4/25 R-4161
Sodium Hypochlorate: 3/4/25 Stoptoshop
Sodium Nitropruisside: 3/4/25 R-3969
Borric Acid Soln.: 3/4/25 R-4109
ICV 1.0: 3/4/25 WC-3495
ICV 8.0:
Cal. Std: ~~3/5~~ KEM 3/6/25 WC-3561
See Front Page for Instructions:

KEM

Tray B (01-00-45PM, ~~01-21-41PM~~ KEM, 01-59-34PM)
prep 3/~~6~~ KEM 5/25 @19:00

1	WG2037097-1T; Blk
2	-2T; LCS Hi, 5X
3	LCS LoT
4	11117-02T (5X)
5	02T MS (5X)
6	02T Dup (5X)
7	-03T (5X)
8	11121-01T
9	11123-02T
10	11130-01T
11	02T
12	03T
13	11149-02T (5X)
KEM ⊗ 14	11150-01T; 10x 1↑10
⊗ 15	02T
16	11152-01T
17	02T
18	11265-01T
19	11266-01T
KEM ⊗ 20	11293-01T (2x); 50x 1↑50

KEM

Tray C (02-34-25PM)
prep 3/5/25 @23:50

1	DYQ IDOC Blk TKN
2	LCS1 T
3	LCS2 T
4	LCS3 T
5	LCS LoT

KEM

To Page N

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

tj D (04:55 - 13pm)
Bmp 3/6/25 @1415

1 wb-2037318-1-BM 3/6 (2037319)
2 wb-2037318-2; Hi ws -5 T
3 6 ws
4 11485 .1
5 .2
6 .3
7 .4
8 wb-2037318-4; 11485.4 ms
9 wb-2037318-3; 11485.4 bp
10 10986.9
11 11578.1
X 12 11483.14 (2t) -10 +
X 13 .15 (5t)
X 14 .16 (2t) -25 t
X 15 .17 -10 t
X 16 .21 -10 +
X 17 11538.1 (2t)
18 .2 (2t)
19 .3 (2t)
20 .4
21 .5
22 .6
23 .7
24 .8 (5t)
25 wb-2037319-4; 11538.8 ms (5t)
26 wb-2037319-3; 11538.8 bp (5t)
27 11483.22

05.24 - 39PM

tj E (07:34 - 24pm)
Bmp 3/6/25 @1415

1 wb-2037321-1 T-BM 3/6
2 wb-2037321-2 T-Hi ws -5 T
3 6 ws T
4 11529.1 T
5 11944.1 T
6 .2 T
7 .3 T
8 .4 T
X 9 11911.1 T -10 +
X 10 .2 T (2t)
11 11944.5 T
12 .6 T
13 wb-2037321-4 T-11944.6 ms
14 wb-2037321-3 T-11944.6 bp
15 11944.7 T
16 .8 T
17 .9 T
18 11911.3 T
19 .4 T
20 .5 +

essed & Understood by me. Date Invented by: Date
Recorded by:

Sample Preparation

Sample	Dilution	Volume	Final vol.
Blank	1x	50mL	150mL
LOW			
High			
L2511529-01			
11911-01			
-02	2X(25150) N=13		
-03	1x		
-04			
-05			
11944-01			
-02			
-03			
-04			
-05			
-06 Pt.			
-06 Dup.			
-06 MS-			
-07			
-08			
-09			

Same Standards 03 06 25 @ 14:15 SAD,
& Reagents
as previous
pg # 47

Witnessed & Understood by me, | Date | Invented by: | Date
Recorded by:

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:33
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:34
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-03	Date Collected	:	03/04/25 15:20
Client ID	:	MW-10D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:35
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:36
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-05	Date Collected	:	03/04/25 13:22
Client ID	:	MW-13D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:38
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-06	Date Collected	:	03/04/25 10:57
Client ID	:	MW-1SR	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:39
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:48
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-08	Date Collected	:	03/04/25 12:00
Client ID	:	DUP_03042025	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:49
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:50
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037149-1	**Date Collected**	: NA
Client ID	: WG2037149-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 03:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037149-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 04:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:33
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.372	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:34
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	1.22	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:35
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.048	0.100	0.022	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:36
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	5.22	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:38
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	2.45	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.860	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:48
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	1.59	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:49
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.863	0.100	0.022	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-09	Date Collected	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:50
Sample Matrix	:	Equipment Blank	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037157-1	**Date Collected**	: NA
Client ID	: WG2037157-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 03:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037157-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 04:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14797-55-8	Nitrogen, Nitrate	0.856	0.100	0.023	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-01	Date Collected	:	03/04/25 08:30
Client ID	:	MW-11S	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:33
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.37	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:34
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.2	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-03	Date Collected	:	03/04/25 15:20
Client ID	:	MW-10D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:35
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.048	0.10	0.046	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:36
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	5.2	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-05	Date Collected	:	03/04/25 13:22
Client ID	:	MW-13D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:38
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	2.4	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.86	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:48
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.6	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-08	Date Collected	:	03/04/25 12:00
Client ID	:	DUP_03042025	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 04:49
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250306-A1	Instrument ID	:	FIA1
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	0.86	0.10	0.046	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 04:50
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250306-A1	**Instrument ID**	:	FIA1
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037158-1	**Date Collected**	: NA
Client ID	: WG2037158-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 03:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037158-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 04:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250306-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.86	0.10	0.05	

Sample Raw Data

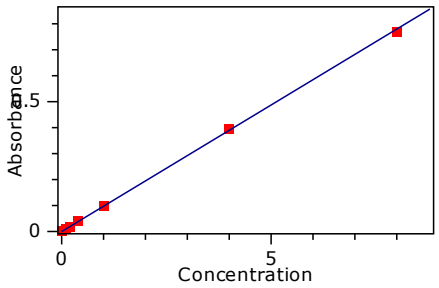
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-03-06 06:10:46
Data file (.dat): C:\FIAlab\Autosave Data\2025-03-06-061025.dat

Dataset Notes:

Analyst	

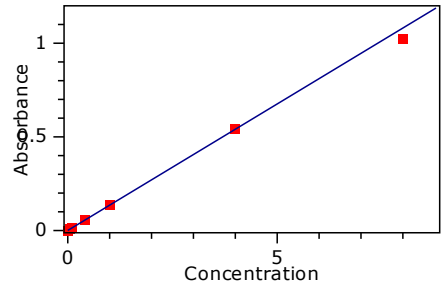
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: -0.00021
B: 0.09748
R^2: 0.99984
RSE(%): 1.11124
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
2	NOx 8.0ppm	0.76910	8.00000	7.89230	1.35	2025-03-06T03:14:39
3	NOx 4.0ppm	0.39490	4.00000	4.05380	1.35	2025-03-06T03:15:48
4	NOx 1.0ppm	0.09680	1.00000	0.99550	0.45	2025-03-06T03:16:55
5	NOx 0.4ppm	0.03920	0.40000	0.40390	0.96	2025-03-06T03:18:02
6	NOx 0.2ppm	0.01920	0.20000	0.19910	0.43	2025-03-06T03:19:12
7	NOx 0.1ppm	0.00950	0.10000	0.10000	0.01	2025-03-06T03:20:22
8	NOx 0.0ppm	0.00010	0.00000	0.00290	NA	2025-03-06T03:21:31



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00043
B: 0.13507
R^2: 0.99905
RSE(%): 3.65935
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
9	Nitrite 8.0ppm	1.02100	8.00000	7.55630	5.55	2025-03-06T03:22:30
10	Nitrite 4.0ppm	0.54440	4.00000	4.02730	0.68	2025-03-06T03:23:40
11	Nitrite 1.0ppm	0.13810	1.00000	1.01940	1.94	2025-03-06T03:24:46
12	Nitrite 0.4ppm	0.05650	0.40000	0.41500	3.75	2025-03-06T03:25:55
13	Nitrite 0.1ppm	0.01420	0.10000	0.10160	1.62	2025-03-06T03:27:05
14	Nitrite 0.05ppm	0.00710	0.05000	0.04930	1.36	2025-03-06T03:28:14
15	Nitrite 0.0ppm	0.00020	0.00000	-0.00200	NA	2025-03-06T03:29:27

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0003	1	1	1	0.0050		2025-03-06T03:13:26
NOx 8.0ppm	2	Standard	8	0.7691	1	1	1	7.8923		2025-03-06T03:14:39
NOx 4.0ppm	3	Standard	4	0.3949	1	1	1	4.0538		2025-03-06T03:15:48
NOx 1.0ppm	4	Standard	1	0.0968	1	1	1	0.9955		2025-03-06T03:16:55
NOx 0.4ppm	5	Standard	0.4	0.0392	1	1	1	0.4039		2025-03-06T03:18:02
NOx 0.2ppm	6	Standard	0.2	0.0192	1	1	1	0.1991		2025-03-06T03:19:12
NOx 0.1ppm	7	Standard	0.1	0.0095	1	1	1	0.1000		2025-03-06T03:20:22
NOx 0.0ppm	8	Standard	0	0.0001	1	1	1	0.0029		2025-03-06T03:21:31
Nitrite 8.0ppm	9	Standard	?	0.7885	1	1	1	8.0913	OVR	2025-03-06T03:22:42
Nitrite 4.0ppm	10	Standard	?	0.4090	1	1	1	4.1981		2025-03-06T03:23:51
Nitrite 1.0ppm	11	Standard	?	0.1018	1	1	1	1.0466		2025-03-06T03:24:59
Nitrite 0.4ppm	12	Standard	?	0.0412	1	1	1	0.4245		2025-03-06T03:26:07
Nitrite 0.1ppm	13	Standard	?	0.0103	1	1	1	0.1080		2025-03-06T03:27:17
Nitrite 0.05ppm	14	Standard	?	0.0052	1	1	1	0.0550		2025-03-06T03:28:27
Nitrite 0.0ppm	15	Standard	?	0.0001	1	1	1	0.0032		2025-03-06T03:29:38
CCV NO3	16	QC	1	0.0981	1	1	1	1.0089		2025-03-06T03:30:43
CCV NO2	17	QC	?	0.1019	1	1	1	1.0477		2025-03-06T03:31:49
CCB	18	QC	0	0.0002	1	1	1	0.0046		2025-03-06T03:33:02
ICV NO3 5.0	19	QC	5	0.4896	1	1	1	5.0244		2025-03-06T03:34:04
ICV NO2 5.0	20	QC	?	0.4644	1	1	1	4.7666		2025-03-06T03:35:14
ICV NO3 0.5	21	QC	0.5	0.0473	1	1	1	0.4878		2025-03-06T03:36:22
ICV NO2 0.5	22	QC	?	0.0519	1	1	1	0.5342		2025-03-06T03:37:30
ICB	23	QC	0	0.0001	1	1	1	0.0034		2025-03-06T03:38:44
Diluter CHK 8PPM	24	Unknown	?	0.1583	1	5	1	8.1302		2025-03-06T03:39:47
BLANK NO3	25	Unknown	?	0.0000	1	1	1	0.0019		2025-03-06T03:40:29
LCS NO3	26	Unknown	?	0.4884	1	1	1	5.0130		2025-03-06T03:42:02
BLANK NO2	27	Unknown	?	-0.0001	1	1	1	0.0013		2025-03-06T03:42:41
LCS NO2	28	Unknown	?	0.4696	1	1	1	4.8193		2025-03-06T03:44:14
CCV NO3	29	QC	1	0.0989	1	1	1	1.0163		2025-03-06T03:45:20
CCV NO2	30	QC	?	0.1020	1	1	1	1.0483		2025-03-06T03:46:25
CCB	31	QC	0	0.0002	1	1	1	0.0039		2025-03-06T03:47:37
WG2037148-1	32	Unknown	?	0.0000	1	1	1	0.0022		2025-03-06T03:48:47

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2037148-2	33	Unknown	?	0.5017	1	1	1	5.1492		2025-03-06T03:49:46
WG2037149-1	34	Unknown	?	-0.0002	1	1	1	-0.0004		2025-03-06T03:50:23
WG2037149-2	35	Unknown	?	0.4649	1	1	1	4.7713		2025-03-06T03:51:56
WG2037150-1	36	Unknown	?	-0.0002	1	1	1	0.0001		2025-03-06T03:52:35
WG2037150-2	37	Unknown	?	0.4827	1	1	1	4.9538		2025-03-06T03:54:08
WG2037157/158-1	38	Unknown	?	-0.0001	1	1	1	0.0012		2025-03-06T03:54:48
WG2037157/158-2	39	Unknown	?	0.4874	1	1	1	5.0024		2025-03-06T03:56:22
WG2037159-1	40	Unknown	?	-0.0001	1	1	1	0.0012		2025-03-06T03:57:01
WG2037159-2	41	Unknown	?	0.4875	1	1	1	5.0036		2025-03-06T03:58:34
CCV NO3	42	QC	1	0.0980	1	1	1	1.0072		2025-03-06T03:59:40
CCV NO2	43	QC	?	0.1024	1	1	1	1.0527		2025-03-06T04:00:45
CCB	44	QC	0	0.0003	1	1	1	0.0052		2025-03-06T04:01:59
WG2037160/161-1	45	Unknown	?	0.0000	1	1	1	0.0021		2025-03-06T04:03:07
WG2037160/161-2	46	Unknown	?	0.4950	1	1	1	5.0808		2025-03-06T04:04:12
WG2037162-1	47	Unknown	?	-0.0001	1	1	1	0.0007		2025-03-06T04:04:50
WG2037162-2	48	Unknown	?	0.4900	1	1	1	5.0289		2025-03-06T04:06:23
WG2037164-1	49	Unknown	?	-0.0001	1	1	1	0.0009		2025-03-06T04:07:00
WG2037164-2	50	Unknown	?	0.4889	1	1	1	5.0176		2025-03-06T04:08:33
L2511631-01A	51	Unknown	?	1.3244	1	1	1	13.5894	OVR	2025-03-06T04:09:53
L2511990-01A	52	Unknown	?	0.1675	1	1	1	1.7204		2025-03-06T04:10:42
WG2037150-3	53	Unknown	?	0.2043	1	1	1	2.0985		2025-03-06T04:11:46
WG2037150-4	54	Unknown	?	0.5727	1	1	1	5.8770		2025-03-06T04:12:50
CCV NO3	55	QC	1	0.0979	1	1	1	1.0063		2025-03-06T04:13:55
CCV NO2	56	QC	?	0.1033	1	1	1	1.0616		2025-03-06T04:15:00
CCB	57	QC	0	0.0002	1	1	1	0.0043		2025-03-06T04:16:13
WG2037148-3	58	Unknown	?	0.2057	1	1	1	2.1128		2025-03-06T04:17:20
WG2037148-4	59	Unknown	?	0.5943	1	1	1	6.0986		2025-03-06T04:18:28
L2512005-01K	60	Unknown	?	0.3767	1	1	1	3.8667		2025-03-06T04:19:35
WG2037150-5	61	Unknown	?	0.3782	1	1	1	3.8816		2025-03-06T04:20:41
WG2037150-6	62	Unknown	?	0.7165	1	1	1	7.3524		2025-03-06T04:21:48
L2512005-02K	63	Unknown	?	0.3691	1	1	1	3.7887		2025-03-06T04:22:54
L2512005-03K	64	Unknown	?	0.4372	1	1	1	4.4875		2025-03-06T04:24:00
L2512005-04R	65	Unknown	?	0.3604	1	1	1	3.6991		2025-03-06T04:25:05

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2511986-01C	66	Unknown	?	0.0723	1	1	1	0.7438		2025-03-06T04:26:10
L2511986-02C	67	Unknown	?	0.0000	1	1	1	0.0018		2025-03-06T04:26:47
CCV NO3	68	QC	1	0.0982	1	1	1	1.0093		2025-03-06T04:28:20
CCV NO2	69	QC	?	0.1034	1	1	1	1.0631		2025-03-06T04:29:26
CCB	70	QC	0	0.0002	1	1	1	0.0045		2025-03-06T04:30:39
L2511986-03C	71	Unknown	?	0.0000	1	1	1	0.0021		2025-03-06T04:31:19
L2511986-04C	72	Unknown	?	0.0000	1	1	1	0.0025		2025-03-06T04:32:51
L2511944-01M	73	Unknown	?	0.0360	1	1	1	0.3718		2025-03-06T04:33:55
L2511944-02M	74	Unknown	?	0.1191	1	1	1	1.2241		2025-03-06T04:35:00
L2511944-03M	75	Unknown	?	0.0045	1	1	1	0.0485		2025-03-06T04:36:04
L2511944-04M	76	Unknown	?	0.5092	1	1	1	5.2258		2025-03-06T04:37:10
L2511944-05M	77	Unknown	?	0.2386	1	1	1	2.4503		2025-03-06T04:38:16
L2511944-06M	78	Unknown	?	0.0836	1	1	1	0.8597		2025-03-06T04:39:23
WG2037157/158-3	79	Unknown	?	0.0833	1	1	1	0.8565		2025-03-06T04:40:29
WG2037157/158-4	80	Unknown	?	0.4658	1	1	1	4.7805		2025-03-06T04:41:35
CCV NO3	81	QC	1	0.0981	1	1	1	1.0082		2025-03-06T04:42:41
CCV NO2	82	QC	?	0.1039	1	1	1	1.0677		2025-03-06T04:43:46
CCB	83	QC	0	0.0000	1	1	1	0.0020		2025-03-06T04:44:58
WG2037149-3	84	Unknown	?	0.0830	1	1	1	0.8535		2025-03-06T04:46:05
WG2037149-4	85	Unknown	?	0.4801	1	1	1	4.9275		2025-03-06T04:47:13
L2511944-07M	86	Unknown	?	0.1549	1	1	1	1.5907		2025-03-06T04:48:19
L2511944-08M	87	Unknown	?	0.0839	1	1	1	0.8626		2025-03-06T04:49:24
L2511944-09M	88	Unknown	?	0.0007	1	1	1	0.0094		2025-03-06T04:50:29
L2511757-01A	89	Unknown	?	0.0316	1	1	1	0.3263		2025-03-06T04:51:33
L2511972-16L	90	Unknown	?	0.0339	1	1	1	0.3504		2025-03-06T04:52:38
L2511972-17L	91	Unknown	?	0.0242	1	1	1	0.2505		2025-03-06T04:53:42
L2512154-01E	92	Unknown	?	0.2263	1	1	1	2.3237		2025-03-06T04:54:47
WG2037159-3	93	Unknown	?	0.2224	1	1	1	2.2838		2025-03-06T04:55:51
CCV NO3	94	QC	1	0.0986	1	1	1	1.0136		2025-03-06T04:56:55
CCV NO2	95	QC	?	0.1026	1	1	1	1.0542		2025-03-06T04:58:01
CCB	96	QC	0	0.0000	1	1	1	0.0022		2025-03-06T04:59:12
WG2037159-4	97	Unknown	?	0.5770	1	1	1	5.9213		2025-03-06T05:00:21
L2512154-03E	98	Unknown	?	0.0324	1	1	1	0.3349		2025-03-06T05:01:29

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2512154-04E	99	Unknown	?	0.0186	1	1	1	0.1931		2025-03-06T05:02:36
L2512154-06E	100	Unknown	?	0.0419	1	1	1	0.4316		2025-03-06T05:03:42
L2512168-01E	101	Unknown	?	0.0254	1	1	1	0.2627		2025-03-06T05:04:48
L2512169-01E	102	Unknown	?	0.0578	1	1	1	0.5947		2025-03-06T05:05:54
L2512169-02E	103	Unknown	?	0.2741	1	1	1	2.8144		2025-03-06T05:07:00
L2511932-01D	104	Unknown	?	0.0074	1	1	1	0.0785		2025-03-06T05:08:05
WG2037162-3	105	Unknown	?	0.0069	1	1	1	0.0730		2025-03-06T05:09:10
WG2037162-4	106	Unknown	?	0.3972	1	1	1	4.0775		2025-03-06T05:10:15
CCV NO3	107	QC	1	0.0993	1	1	1	1.0203		2025-03-06T05:11:20
CCV NO2	108	QC	?	0.1028	1	1	1	1.0567		2025-03-06T05:12:26
CCB	109	QC	0	0.0003	1	1	1	0.0051		2025-03-06T05:13:37
L2511932-02D	110	Unknown	?	0.0082	1	1	1	0.0865		2025-03-06T05:14:44
L2512270-01A	111	Unknown	?	0.0038	1	1	1	0.0409		2025-03-06T05:15:51
L2512270-02A	112	Unknown	?	0.0045	1	1	1	0.0486		2025-03-06T05:16:55
L2512284-01A	113	Unknown	?	0.0115	1	1	1	0.1199		2025-03-06T05:18:00
L2512284-02A	114	Unknown	?	0.0099	1	1	1	0.1036		2025-03-06T05:19:04
L2512289-01A	115	Unknown	?	0.0042	1	1	1	0.0449		2025-03-06T05:20:10
L2512291-01A	116	Unknown	?	0.0141	1	1	1	0.1471		2025-03-06T05:21:16
L2512291-02A	117	Unknown	?	0.0054	1	1	1	0.0572		2025-03-06T05:22:23
L2512293-01C	118	Unknown	?	0.0028	1	1	1	0.0309		2025-03-06T05:23:29
L2512293-02E	119	Unknown	?	0.0064	1	1	1	0.0683		2025-03-06T05:24:35
CCV NO3	120	QC	1	0.1003	1	1	1	1.0316		2025-03-06T05:25:40
CCV NO2	121	QC	?	0.1027	1	1	1	1.0562		2025-03-06T05:26:46
CCB	122	QC	0	0.0006	1	1	1	0.0079		2025-03-06T05:27:59
L2512294-01A	123	Unknown	?	0.0029	1	1	1	0.0317		2025-03-06T05:29:06
L2512294-02A	124	Unknown	?	0.0042	1	1	1	0.0456		2025-03-06T05:30:14
L2512296-01A	125	Unknown	?	0.0026	1	1	1	0.0291		2025-03-06T05:31:19
L2512296-02A	126	Unknown	?	0.0038	1	1	1	0.0413		2025-03-06T05:32:25
L2512298-01A	127	Unknown	?	0.0062	1	1	1	0.0662		2025-03-06T05:33:30
L2512298-02A	128	Unknown	?	0.0042	1	1	1	0.0456		2025-03-06T05:34:34
L2512299-01A	129	Unknown	?	0.0109	1	1	1	0.1142		2025-03-06T05:35:39
L2512299-02A	130	Unknown	?	0.0046	1	1	1	0.0497		2025-03-06T05:36:45
L2511990-01A	131	Unknown	?	0.2093	1	1	1	2.1489		2025-03-06T05:37:48

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	132	QC	1	0.0980	1	1	1	1.0073		2025-03-06T05:38:53
CCV NO2	133	QC	?	0.1016	1	1	1	1.0440		2025-03-06T05:39:58
CCB	134	QC	0	0.0003	1	1	1	0.0048		2025-03-06T05:41:12
spacer	135	Unknown	?	0.0000	1	1	1	0.0022		2025-03-06T05:44:48
spacer	136	Unknown	?	0.0015	1	1	1	0.0178		2025-03-06T05:46:22
L2511631-01A	137	Unknown	?	0.4727	1	25	1	121.2769		2025-03-06T05:47:28
CCV NO3	138	QC	1	0.0975	1	1	1	1.0024		2025-03-06T05:48:34
CCV NO2	139	QC	?	0.1028	1	1	1	1.0565		2025-03-06T05:49:39
CCB	140	QC	0	0.0005	1	1	1	0.0072		2025-03-06T05:50:53

Channel: 2-NO2

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T03:13:56
NOx 8.0ppm	2	Standard	?	0.0001	1	1	1	-0.0028		2025-03-06T03:14:26
NOx 4.0ppm	3	Standard	?	0.0001	1	1	1	-0.0026		2025-03-06T03:15:37
NOx 1.0ppm	4	Standard	?	0.0001	1	1	1	-0.0025		2025-03-06T03:16:42
NOx 0.4ppm	5	Standard	?	0.0001	1	1	1	-0.0027		2025-03-06T03:17:50
NOx 0.2ppm	6	Standard	?	0.0001	1	1	1	-0.0026		2025-03-06T03:19:06
NOx 0.1ppm	7	Standard	?	0.0001	1	1	1	-0.0025		2025-03-06T03:20:13
NOx 0.0ppm	8	Standard	?	0.0001	1	1	1	-0.0024		2025-03-06T03:21:22
Nitrite 8.0ppm	9	Standard	8	1.0210	1	1	1	7.5563		2025-03-06T03:22:30
Nitrite 4.0ppm	10	Standard	4	0.5444	1	1	1	4.0273		2025-03-06T03:23:40
Nitrite 1.0ppm	11	Standard	1	0.1381	1	1	1	1.0194		2025-03-06T03:24:46
Nitrite 0.4ppm	12	Standard	0.4	0.0565	1	1	1	0.4150		2025-03-06T03:25:55
Nitrite 0.1ppm	13	Standard	0.1	0.0142	1	1	1	0.1016		2025-03-06T03:27:05
Nitrite 0.05ppm	14	Standard	0.05	0.0071	1	1	1	0.0493		2025-03-06T03:28:14
Nitrite 0.0ppm	15	Standard	0	0.0002	1	1	1	-0.0020		2025-03-06T03:29:27
CCV NO3	16	QC	?	0.0001	1	1	1	-0.0024		2025-03-06T03:30:56
CCV NO2	17	QC	1	0.1373	1	1	1	1.0136		2025-03-06T03:31:35
CCB	18	QC	0	0.0005	1	1	1	0.0003		2025-03-06T03:32:51
ICV NO3 5.0	19	QC	?	0.0001	1	1	1	-0.0023		2025-03-06T03:33:57
ICV NO2 5.0	20	QC	5	0.6225	1	1	1	4.6057		2025-03-06T03:35:02
ICV NO3 0.5	21	QC	?	0.0013	1	1	1	0.0066		2025-03-06T03:36:15
ICV NO2 0.5	22	QC	0.5	0.0701	1	1	1	0.5159		2025-03-

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T03:37:18
ICB	23	QC	0	0.0002	1	1	1	-0.0015		2025-03-06T03:38:31
Diluter CHK 8PPM	24	Unknown	?	0.0001	1	5	1	-0.0120		2025-03-06T03:39:38
BLANK NO3	25	Unknown	?	0.0000	1	1	1	-0.0029		2025-03-06T03:40:52
LCS NO3	26	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T03:41:49
BLANK NO2	27	Unknown	?	0.0000	1	1	1	-0.0028		2025-03-06T03:43:07
LCS NO2	28	Unknown	?	0.6259	1	1	1	4.6306		2025-03-06T03:44:02
CCV NO3	29	QC	?	0.0018	1	1	1	0.0102		2025-03-06T03:45:11
CCV NO2	30	QC	1	0.1381	1	1	1	1.0194		2025-03-06T03:46:12
CCB	31	QC	0	0.0005	1	1	1	0.0008		2025-03-06T03:47:28
WG2037148-1	32	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T03:48:33
WG2037148-2	33	Unknown	?	0.6738	1	1	1	4.9851		2025-03-06T03:49:33
WG2037149-1	34	Unknown	?	0.0015	1	1	1	0.0080		2025-03-06T03:50:42
WG2037149-2	35	Unknown	?	0.6271	1	1	1	4.6393		2025-03-06T03:51:43
WG2037150-1	36	Unknown	?	0.0017	1	1	1	0.0093		2025-03-06T03:52:51
WG2037150-2	37	Unknown	?	0.0002	1	1	1	-0.0018		2025-03-06T03:53:58
WG2037157/158-1	38	Unknown	?	0.0001	1	1	1	-0.0026		2025-03-06T03:55:12
WG2037157/158-2	39	Unknown	?	0.0001	1	1	1	-0.0026		2025-03-06T03:56:09
WG2037159-1	40	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T03:57:24
WG2037159-2	41	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T03:58:31
CCV NO3	42	QC	?	0.0001	1	1	1	-0.0028		2025-03-06T03:59:31
CCV NO2	43	QC	1	0.1375	1	1	1	1.0145		2025-03-06T04:00:32
CCB	44	QC	0	0.0005	1	1	1	0.0008		2025-03-06T04:01:49
WG2037160/161-1	45	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T04:02:53
WG2037160/161-2	46	Unknown	?	0.0001	1	1	1	-0.0026		2025-03-06T04:04:03
WG2037162-1	47	Unknown	?	0.0000	1	1	1	-0.0028		2025-03-06T04:05:10
WG2037162-2	48	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T04:06:12
WG2037164-1	49	Unknown	?	0.0000	1	1	1	-0.0028		2025-03-06T04:07:15
WG2037164-2	50	Unknown	?	0.0001	1	1	1	-0.0028		2025-03-06T04:08:28
L2511631-01A	51	Unknown	?	0.0202	1	1	1	0.1465		2025-03-06T04:09:24
L2511990-01A	52	Unknown	?	0.0378	1	1	1	0.2770		2025-03-06T04:10:28
WG2037150-3	53	Unknown	?	0.0367	1	1	1	0.2683		2025-03-06T04:11:32
WG2037150-4	54	Unknown	?	0.0360	1	1	1	0.2631		2025-03-06T04:12:36

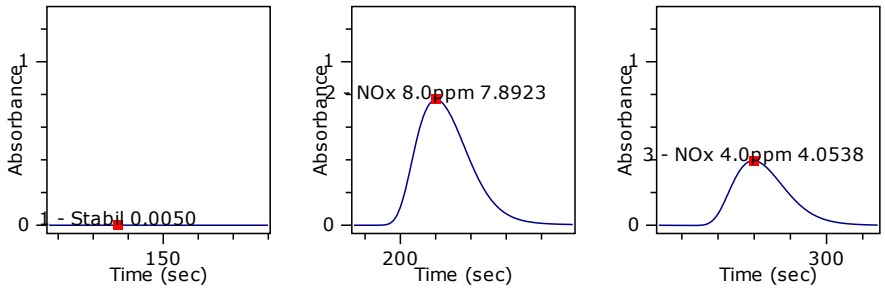
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO3	55	QC	?	0.0001	1	1	1	-0.0026		2025-03-06T04:13:38
CCV NO2	56	QC	1	0.1378	1	1	1	1.0170		2025-03-06T04:14:47
CCB	57	QC	0	0.0004	1	1	1	-0.0001		2025-03-06T04:16:02
WG2037148-3	58	Unknown	?	0.0374	1	1	1	0.2740		2025-03-06T04:17:07
WG2037148-4	59	Unknown	?	0.5719	1	1	1	4.2310		2025-03-06T04:18:15
L2512005-01K	60	Unknown	?	0.0012	1	1	1	0.0054		2025-03-06T04:19:21
WG2037150-5	61	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T04:20:28
WG2037150-6	62	Unknown	?	0.0036	1	1	1	0.0235		2025-03-06T04:21:35
L2512005-02K	63	Unknown	?	0.0014	1	1	1	0.0069		2025-03-06T04:22:41
L2512005-03K	64	Unknown	?	0.0012	1	1	1	0.0061		2025-03-06T04:23:46
L2512005-04R	65	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T04:24:55
L2511986-01C	66	Unknown	?	0.0014	1	1	1	0.0070		2025-03-06T04:25:57
L2511986-02C	67	Unknown	?	0.0000	1	1	1	-0.0031		2025-03-06T04:27:10
CCV NO3	68	QC	?	0.0001	1	1	1	-0.0026		2025-03-06T04:28:09
CCV NO2	69	QC	1	0.1374	1	1	1	1.0142		2025-03-06T04:29:12
CCB	70	QC	0	0.0004	1	1	1	-0.0003		2025-03-06T04:30:27
L2511986-03C	71	Unknown	?	0.0000	1	1	1	-0.0029		2025-03-06T04:31:29
L2511986-04C	72	Unknown	?	0.0001	1	1	1	-0.0027		2025-03-06T04:32:46
L2511944-01M	73	Unknown	?	0.0011	1	1	1	0.0049		2025-03-06T04:33:41
L2511944-02M	74	Unknown	?	0.0010	1	1	1	0.0044		2025-03-06T04:34:45
L2511944-03M	75	Unknown	?	0.0013	1	1	1	0.0065		2025-03-06T04:35:50
L2511944-04M	76	Unknown	?	0.0012	1	1	1	0.0054		2025-03-06T04:36:58
L2511944-05M	77	Unknown	?	0.0012	1	1	1	0.0057		2025-03-06T04:38:04
L2511944-06M	78	Unknown	?	0.0013	1	1	1	0.0064		2025-03-06T04:39:10
WG2037157/158-3	79	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T04:40:17
WG2037157/158-4	80	Unknown	?	0.0002	1	1	1	-0.0015		2025-03-06T04:41:49
CCV NO3	81	QC	?	0.0005	1	1	1	0.0003		2025-03-06T04:43:06
CCV NO2	82	QC	1	0.1363	1	1	1	1.0058		2025-03-06T04:43:33
CCB	83	QC	0	0.0002	1	1	1	-0.0014		2025-03-06T04:44:46
WG2037149-3	84	Unknown	?	0.0001	1	1	1	-0.0025		2025-03-06T04:45:52
WG2037149-4	85	Unknown	?	0.5311	1	1	1	3.9291		2025-03-06T04:47:00
L2511944-07M	86	Unknown	?	0.0013	1	1	1	0.0068		2025-03-06T04:48:04
L2511944-08M	87	Unknown	?	0.0011	1	1	1	0.0051		2025-03-06T04:49:11

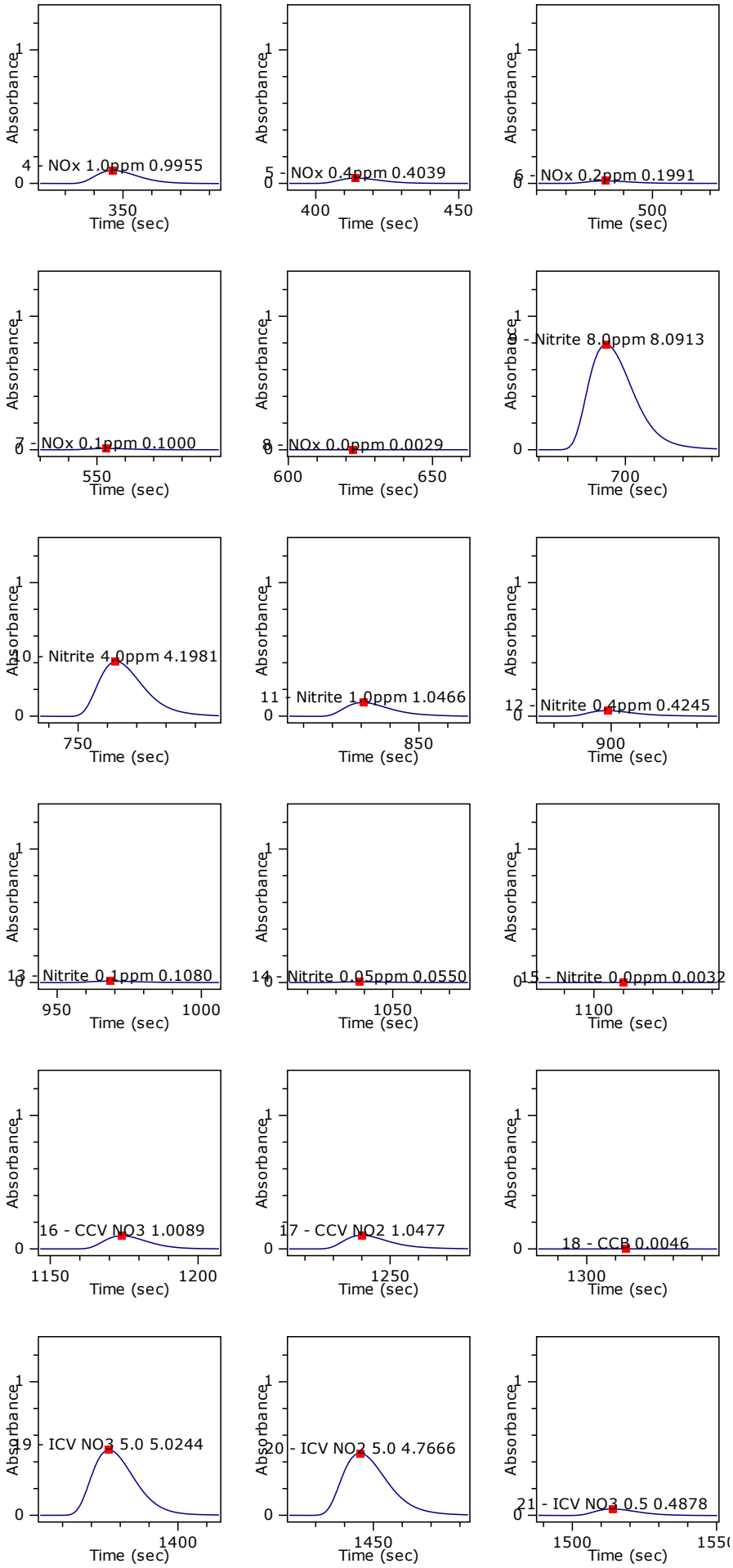
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2511944-09M	88	Unknown	?	0.0010	1	1	1	0.0044		2025-03-06T04:50:16
L2511757-01A	89	Unknown	?	0.0001	1	1	1	-0.0025		2025-03-06T04:51:19
L2511972-16L	90	Unknown	?	0.0012	1	1	1	0.0054		2025-03-06T04:52:24
L2511972-17L	91	Unknown	?	0.0011	1	1	1	0.0051		2025-03-06T04:53:28
L2512154-01E	92	Unknown	?	0.0036	1	1	1	0.0233		2025-03-06T04:54:33
WG2037159-3	93	Unknown	?	0.0024	1	1	1	0.0148		2025-03-06T04:55:37
CCV NO3	94	QC	?	0.0001	1	1	1	-0.0026		2025-03-06T04:56:43
CCV NO2	95	QC	1	0.1358	1	1	1	1.0023		2025-03-06T04:57:48
CCB	96	QC	0	0.0003	1	1	1	-0.0012		2025-03-06T04:59:01
WG2037159-4	97	Unknown	?	0.0045	1	1	1	0.0302		2025-03-06T05:00:08
L2512154-03E	98	Unknown	?	0.0013	1	1	1	0.0063		2025-03-06T05:01:17
L2512154-04E	99	Unknown	?	0.0021	1	1	1	0.0126		2025-03-06T05:02:23
L2512154-06E	100	Unknown	?	0.0023	1	1	1	0.0139		2025-03-06T05:03:29
L2512168-01E	101	Unknown	?	0.0017	1	1	1	0.0092		2025-03-06T05:04:35
L2512169-01E	102	Unknown	?	0.0030	1	1	1	0.0187		2025-03-06T05:05:40
L2512169-02E	103	Unknown	?	0.0022	1	1	1	0.0133		2025-03-06T05:06:47
L2511932-01D	104	Unknown	?	0.0028	1	1	1	0.0179		2025-03-06T05:07:51
WG2037162-3	105	Unknown	?	0.0015	1	1	1	0.0080		2025-03-06T05:08:57
WG2037162-4	106	Unknown	?	0.0015	1	1	1	0.0083		2025-03-06T05:10:02
CCV NO3	107	QC	?	0.0001	1	1	1	-0.0026		2025-03-06T05:11:09
CCV NO2	108	QC	1	0.1357	1	1	1	1.0014		2025-03-06T05:12:12
CCB	109	QC	0	0.0002	1	1	1	-0.0018		2025-03-06T05:13:25
L2511932-02D	110	Unknown	?	0.0014	1	1	1	0.0070		2025-03-06T05:14:31
L2512270-01A	111	Unknown	?	0.0041	1	1	1	0.0275		2025-03-06T05:15:36
L2512270-02A	112	Unknown	?	0.0044	1	1	1	0.0296		2025-03-06T05:16:40
L2512284-01A	113	Unknown	?	0.0122	1	1	1	0.0871		2025-03-06T05:17:45
L2512284-02A	114	Unknown	?	0.0106	1	1	1	0.0752		2025-03-06T05:18:49
L2512289-01A	115	Unknown	?	0.0045	1	1	1	0.0302		2025-03-06T05:19:56
L2512291-01A	116	Unknown	?	0.0142	1	1	1	0.1018		2025-03-06T05:21:03
L2512291-02A	117	Unknown	?	0.0036	1	1	1	0.0236		2025-03-06T05:22:10
L2512293-01C	118	Unknown	?	0.0024	1	1	1	0.0144		2025-03-06T05:23:16
L2512293-02E	119	Unknown	?	0.0016	1	1	1	0.0088		2025-03-06T05:24:22
CCV NO3	120	QC	?	0.0001	1	1	1	-0.0027		2025-03-06T05:25:27

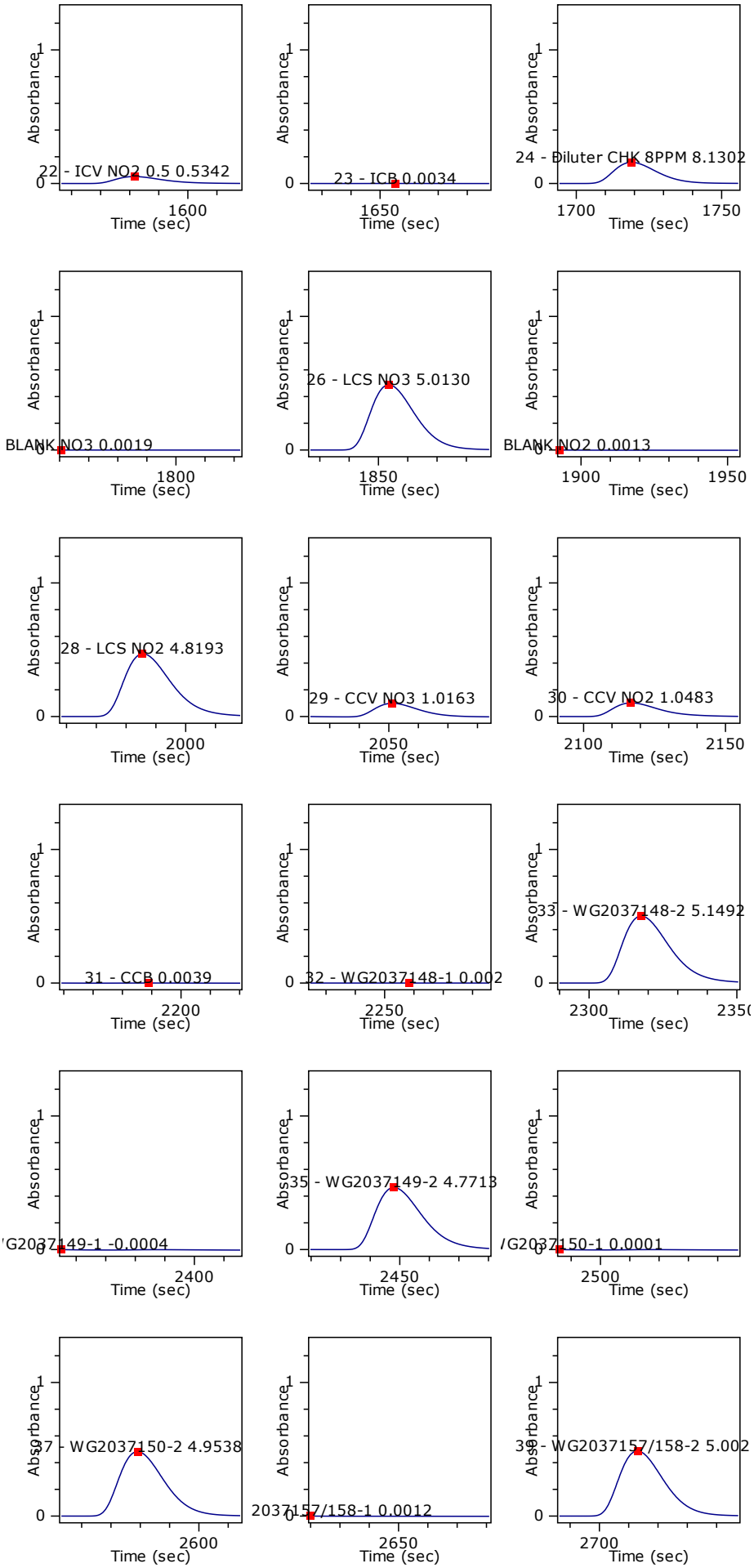
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
CCV NO2	121	QC	1	0.1351	1	1	1	0.9969		2025-03-06T05:26:33
CCB	122	QC	0	0.0002	1	1	1	-0.0015		2025-03-06T05:27:48
L2512294-01A	123	Unknown	?	0.0023	1	1	1	0.0135		2025-03-06T05:28:52
L2512294-02A	124	Unknown	?	0.0034	1	1	1	0.0219		2025-03-06T05:30:00
L2512296-01A	125	Unknown	?	0.0035	1	1	1	0.0226		2025-03-06T05:31:06
L2512296-02A	126	Unknown	?	0.0050	1	1	1	0.0339		2025-03-06T05:32:10
L2512298-01A	127	Unknown	?	0.0067	1	1	1	0.0464		2025-03-06T05:33:16
L2512298-02A	128	Unknown	?	0.0032	1	1	1	0.0208		2025-03-06T05:34:20
L2512299-01A	129	Unknown	?	0.0123	1	1	1	0.0876		2025-03-06T05:35:25
L2512299-02A	130	Unknown	?	0.0051	1	1	1	0.0348		2025-03-06T05:36:30
L2511990-01A	131	Unknown	?	0.0375	1	1	1	0.2747		2025-03-06T05:37:34
CCV NO3	132	QC	?	0.0000	1	1	1	-0.0028		2025-03-06T05:38:39
CCV NO2	133	QC	1	0.1351	1	1	1	0.9971		2025-03-06T05:39:45
CCB	134	QC	0	0.0003	1	1	1	-0.0009		2025-03-06T05:41:01
spacer	135	Unknown	?	0.0000	1	1	1	-0.0030		2025-03-06T05:45:12
spacer	136	Unknown	?	0.0004	1	1	1	-0.0005		2025-03-06T05:46:08
L2511631-01A	137	Unknown	?	0.0008	1	25	1	0.0681		2025-03-06T05:47:16
CCV NO3	138	QC	?	0.0001	1	1	1	-0.0028		2025-03-06T05:48:24
CCV NO2	139	QC	1	0.1347	1	1	1	0.9944		2025-03-06T05:49:26
CCB	140	QC	0	0.0027	1	1	1	0.0169		2025-03-06T05:51:12

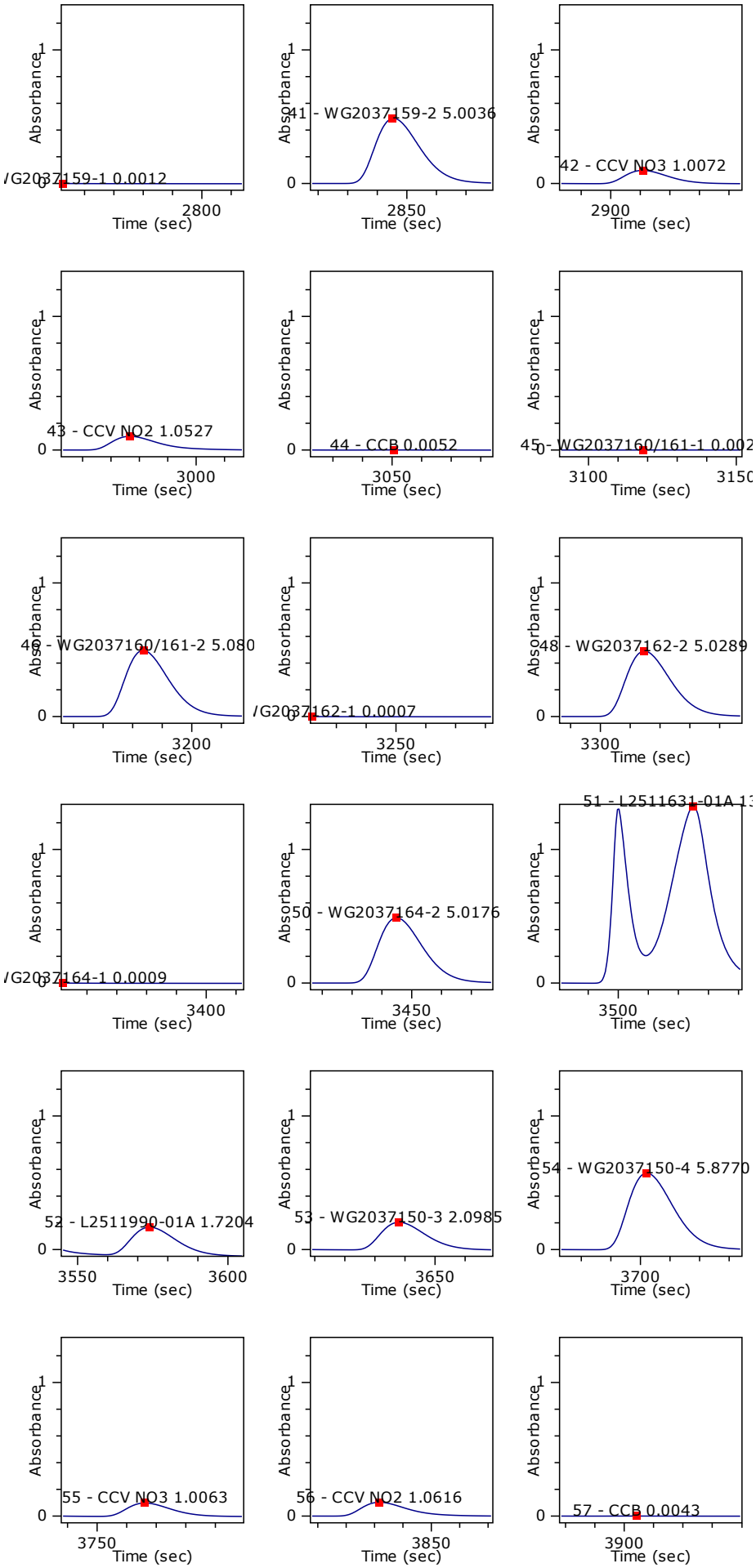
Peaks:

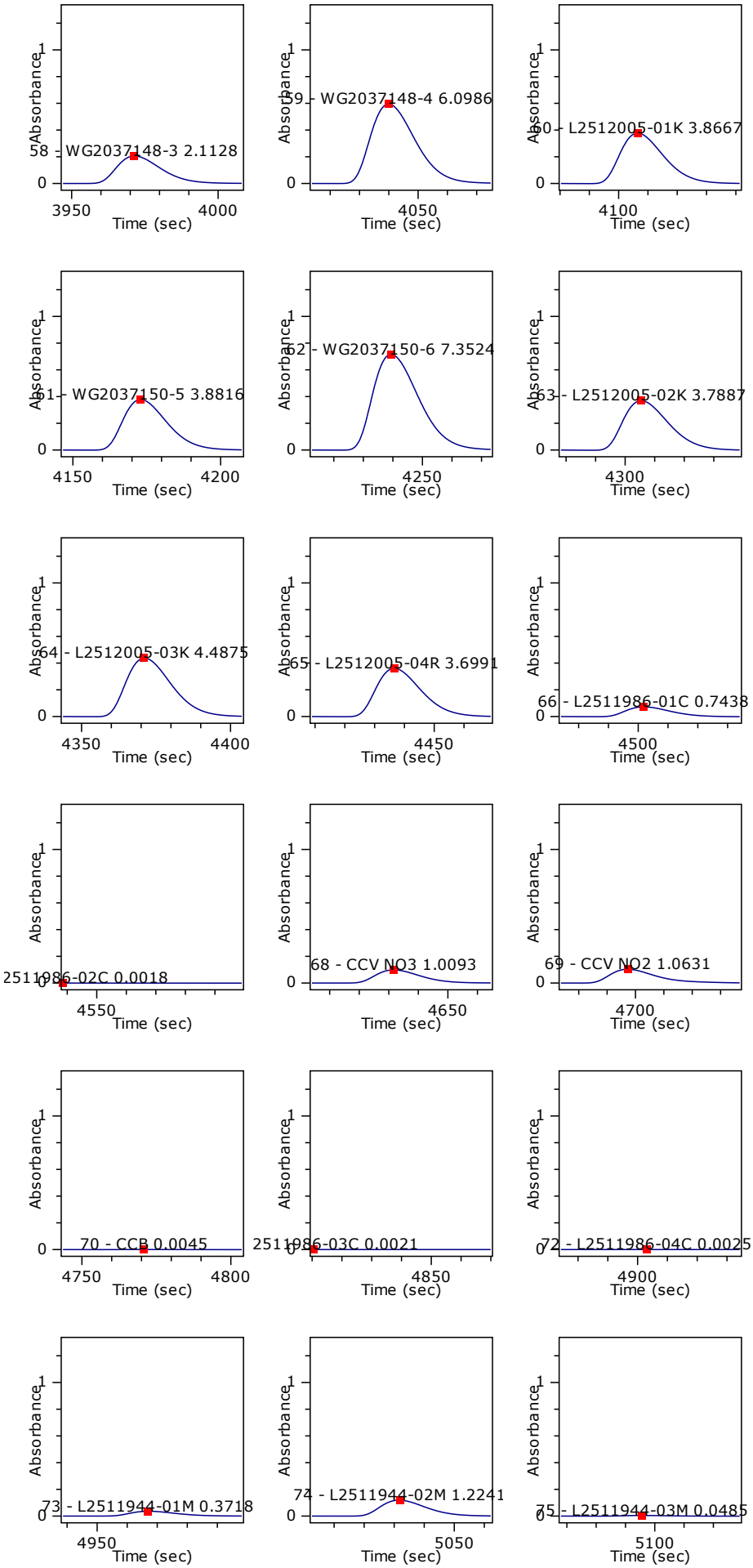
Channel: 1-NOx

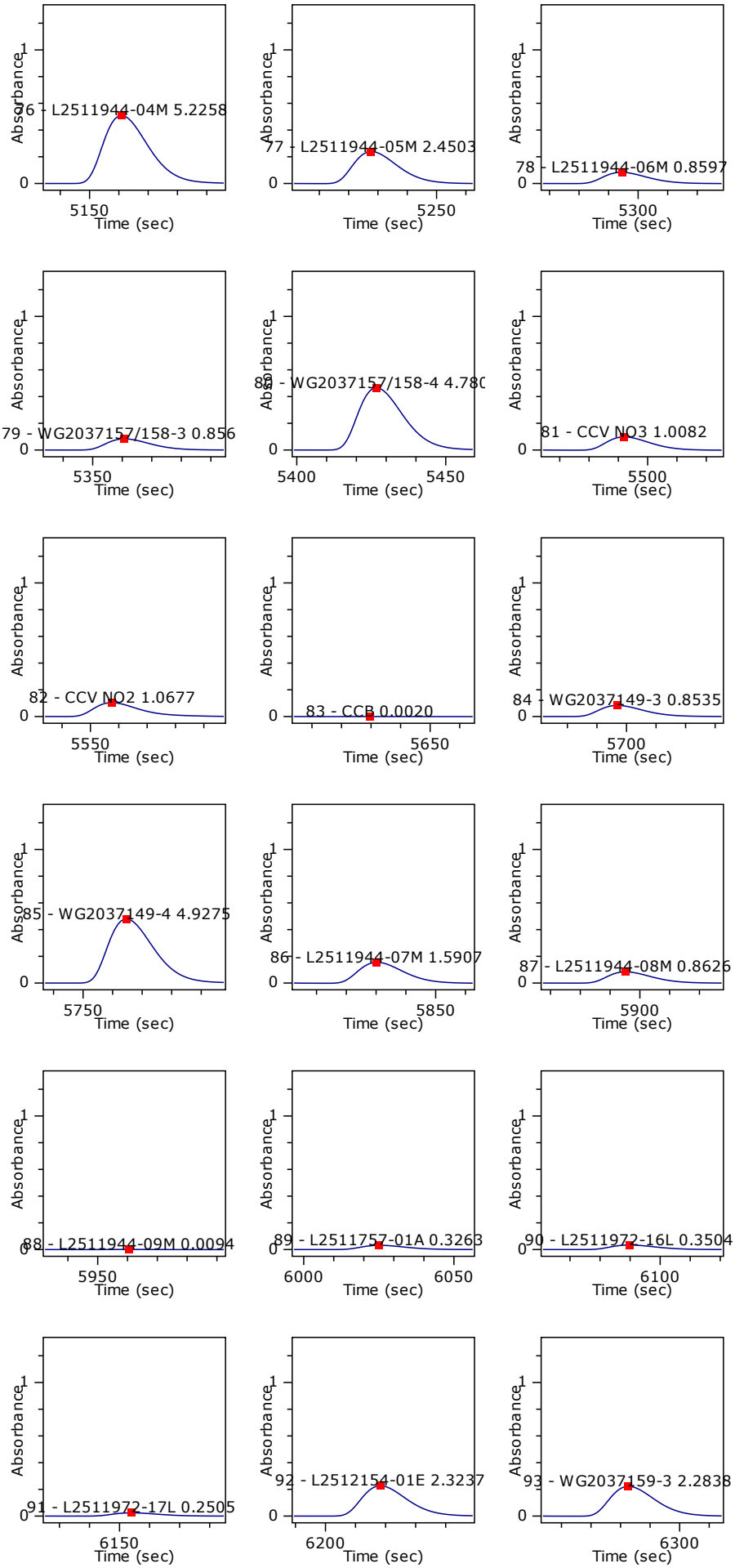


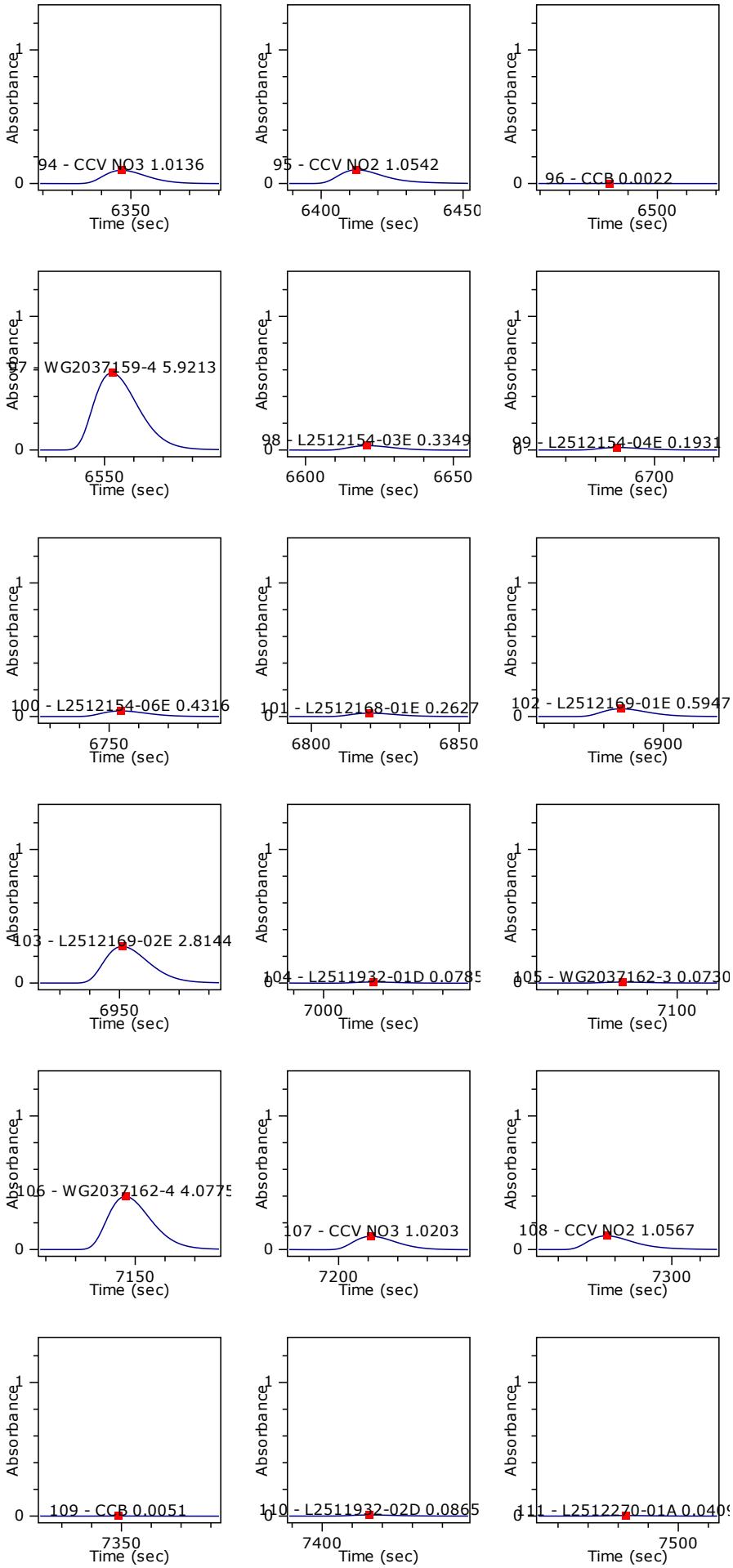

Absorbance
4 - NOx 1.0ppm 0.9955
Time (sec)
5 - NOx 0.4ppm 0.4039
6 - NOx 0.2ppm 0.1991
7 - NOx 0.1ppm 0.1000
8 - NOx 0.0ppm 0.0029
9 - Nitrite 8.0ppm 8.0913
10 - Nitrite 4.0ppm 4.1981
11 - Nitrite 1.0ppm 1.0466
12 - Nitrite 0.4ppm 0.4245
13 - Nitrite 0.1ppm 0.1080
14 - Nitrite 0.05ppm 0.0550
15 - Nitrite 0.0ppm 0.0032
16 - CCV NO3 1.0089
17 - CCV NO2 1.0477
18 - CCB 0.0046
19 - ICV NO3 5.0 5.0244
20 - ICV NO2 5.0 4.7666
21 - ICV NO3 0.5 0.4878

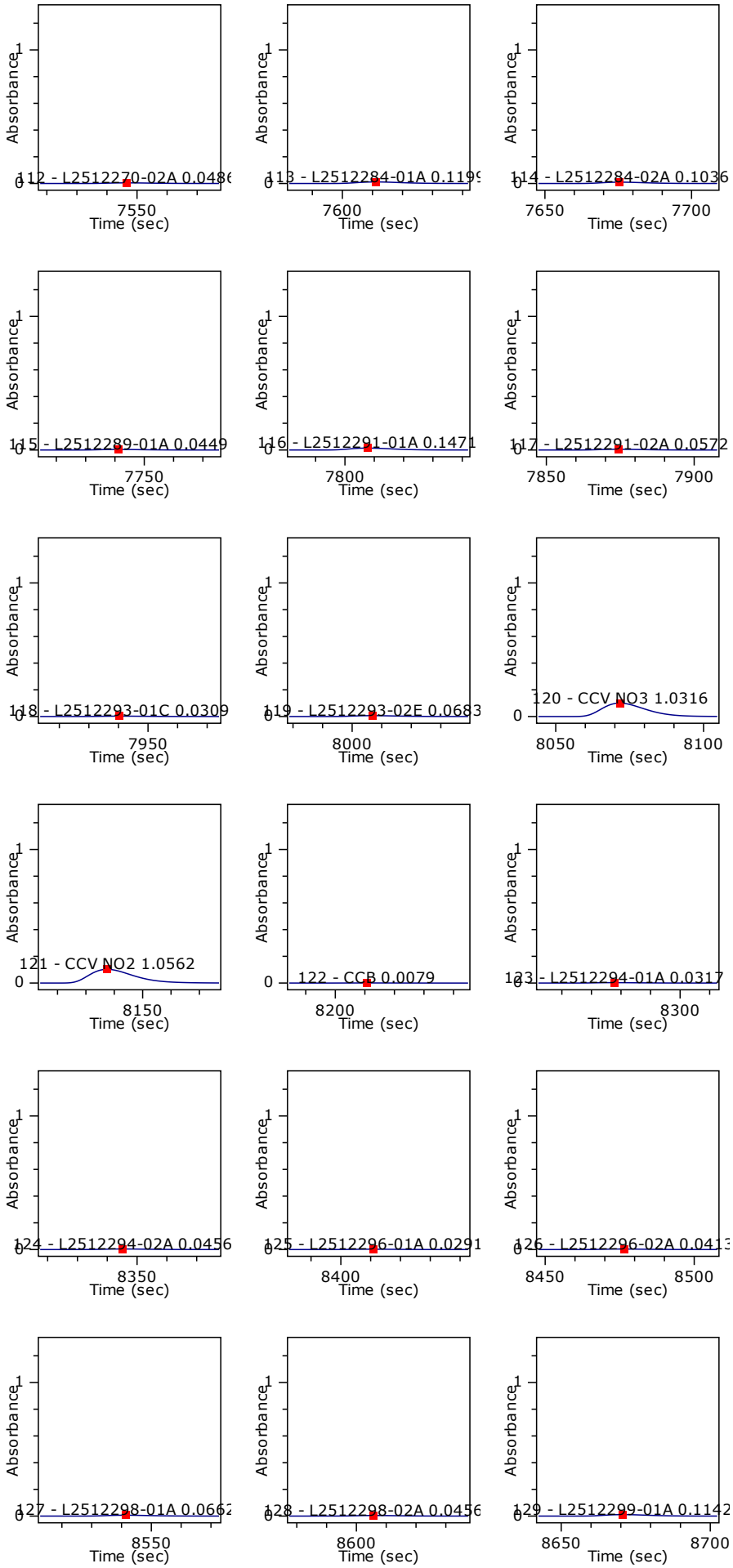

22 - ICV NO2 0.5 0.5342
23 - ICB 0.0034
24 - Diluter CHK 8PPM 8.1302
BLANK NO3 0.0019
26 - LCS NO3 5.0130
BLANK NO2 0.0013
28 - LCS NO2 4.8193
29 - CCV NO3 1.0163
30 - CCV NO2 1.0483
31 - CCB 0.0039
32 - WG2037148-1 0.002
33 - WG2037148-2 5.1492
35 - WG2037149-2 4.7713
37 - WG2037150-2 4.9538
2037157/158-1 0.0012
Absorbance
Time (sec)

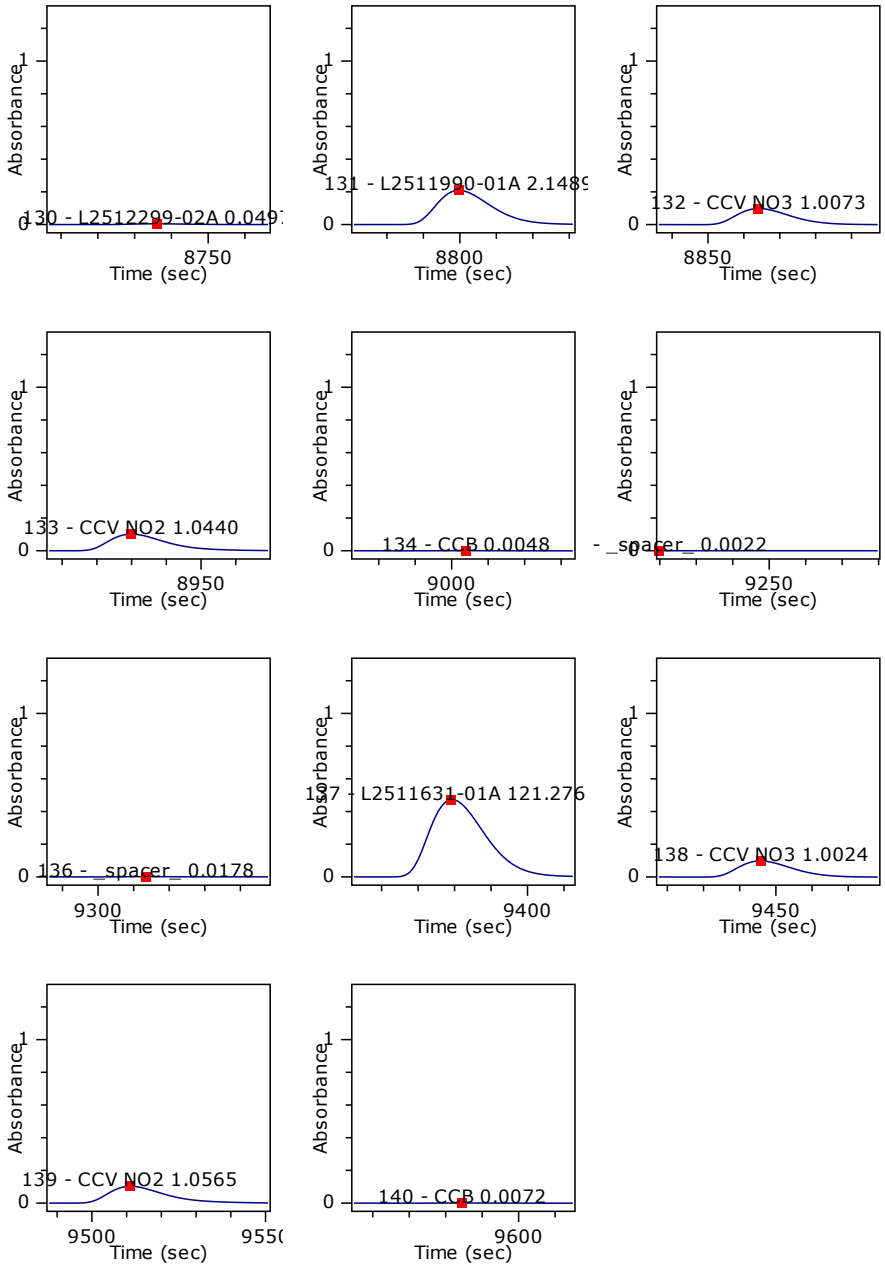

/G2037159-1 0.0012
41 - WG2037159-2 5.0036
42 - CCV NO3 1.0072
43 - CCV NO2 1.0527
44 - CCB 0.0052
45 - WG2037160/161-1 0.002
46 - WG2037160/161-2 5.080
/G2037162-1 0.0007
48 - WG2037162-2 5.0289
/G2037164-1 0.0009
50 - WG2037164-2 5.0176
51 - L2511631-01A 1
52 - L2511990-01A 1.7204
53 - WG2037150-3 2.0985
54 - WG2037150-4 5.8770
55 - CCV NO3 1.0063
56 - CCV NO2 1.0616
57 - CCB 0.0043
Absorbance
Time (sec)


Absorbance
58 - WG2037148-3 2.1128
Time (sec)
59 - WG2037148-4 6.0986
60 - L2512005-01K 3.8667
61 - WG2037150-5 3.8816
62 - WG2037150-6 7.3524
63 - L2512005-02K 3.7887
64 - L2512005-03K 4.4875
65 - L2512005-04R 3.6991
66 - L2511986-01C 0.7438
2511986-02C 0.0018
68 - CCV NO3 1.0093
69 - CCV NO2 1.0631
70 - CCB 0.0045
2511986-03C 0.0021
72 - L2511986-04C 0.0025
73 - L2511944-01M 0.3718
74 - L2511944-02M 1.2241
75 - L2511944-03M 0.0485

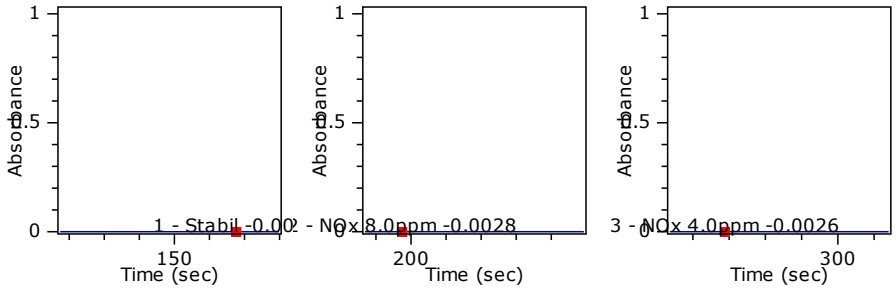

Absorbance
1
0
76 - L2511944-04M 5.2258
5150
Time (sec)
77 - L2511944-05M 2.4503
5250
78 - L2511944-06M 0.8597
5300
79 - WG2037157/158-3 0.856
5350
80 - WG2037157/158-4 4.780
5400
5450
81 - CCV NO3 1.0082
5500
82 - CCV NO2 1.0677
5550
83 - CCB 0.0020
5650
84 - WG2037149-3 0.8535
5700
85 - WG2037149-4 4.9275
5750
86 - L2511944-07M 1.5907
5850
87 - L2511944-08M 0.8626
5900
88 - L2511944-09M 0.0094
5950
89 - L2511757-01A 0.3263
6000
6050
90 - L2511972-16L 0.3504
6100
91 - L2511972-17L 0.2505
6150
92 - L2512154-01E 2.3237
6200
93 - WG2037159-3 2.2838
6300

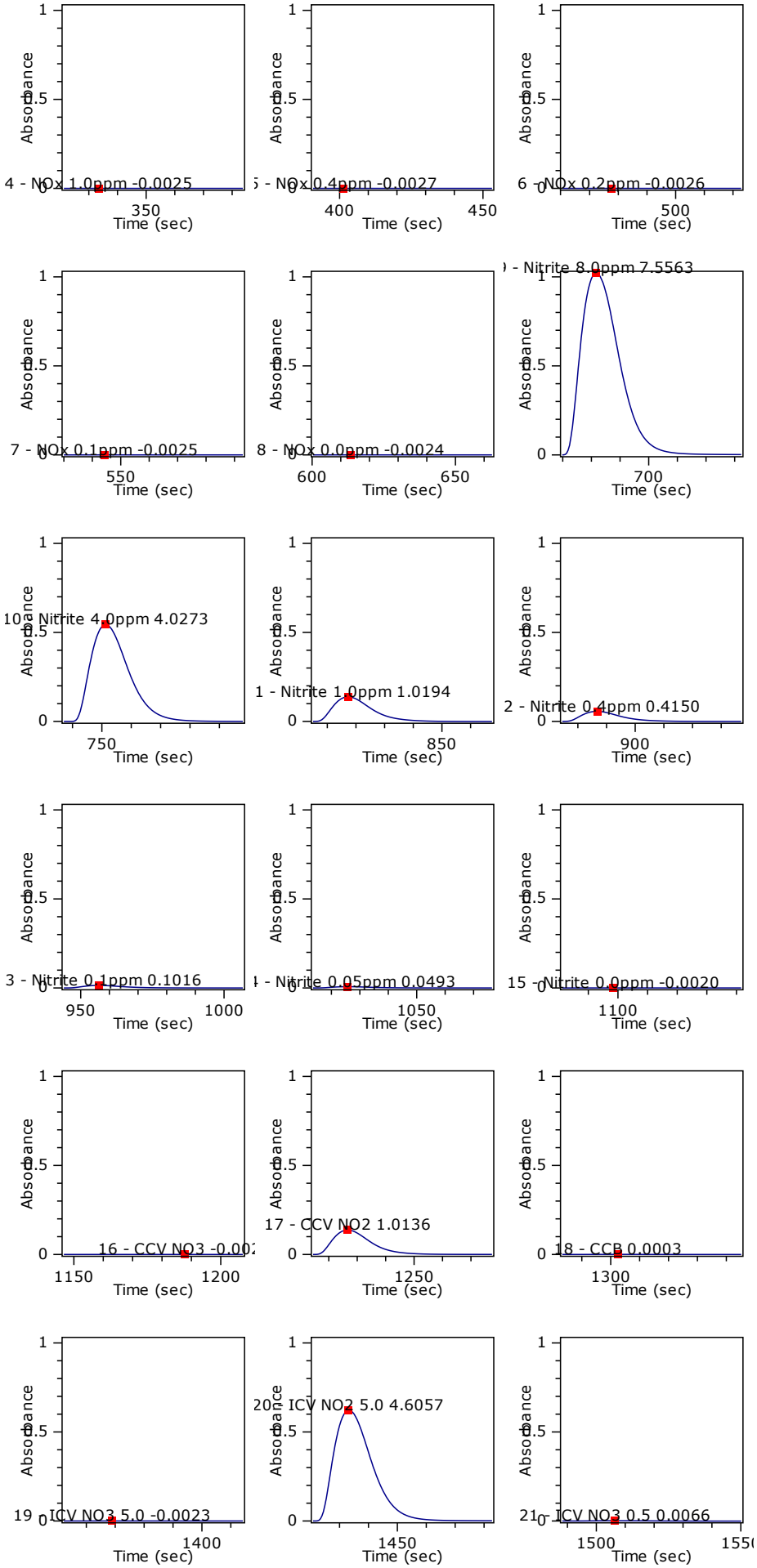

Absorbance
Time (sec)
94 - CCV NO3 1.0136
95 - CCV NO2 1.0542
96 - CCB 0.0022
97 - WG2037159-4 5.9213
98 - L2512154-03E 0.3349
99 - L2512154-04E 0.1931
100 - L2512154-06E 0.4316
101 - L2512168-01E 0.2627
102 - L2512169-01E 0.5947
103 - L2512169-02E 2.8144
104 - L2511932-01D 0.0785
105 - WG2037162-3 0.0730
106 - WG2037162-4 4.0775
107 - CCV NO3 1.0203
108 - CCV NO2 1.0567
109 - CCB 0.0051
110 - L2511932-02D 0.0865
111 - L2512270-01A 0.040

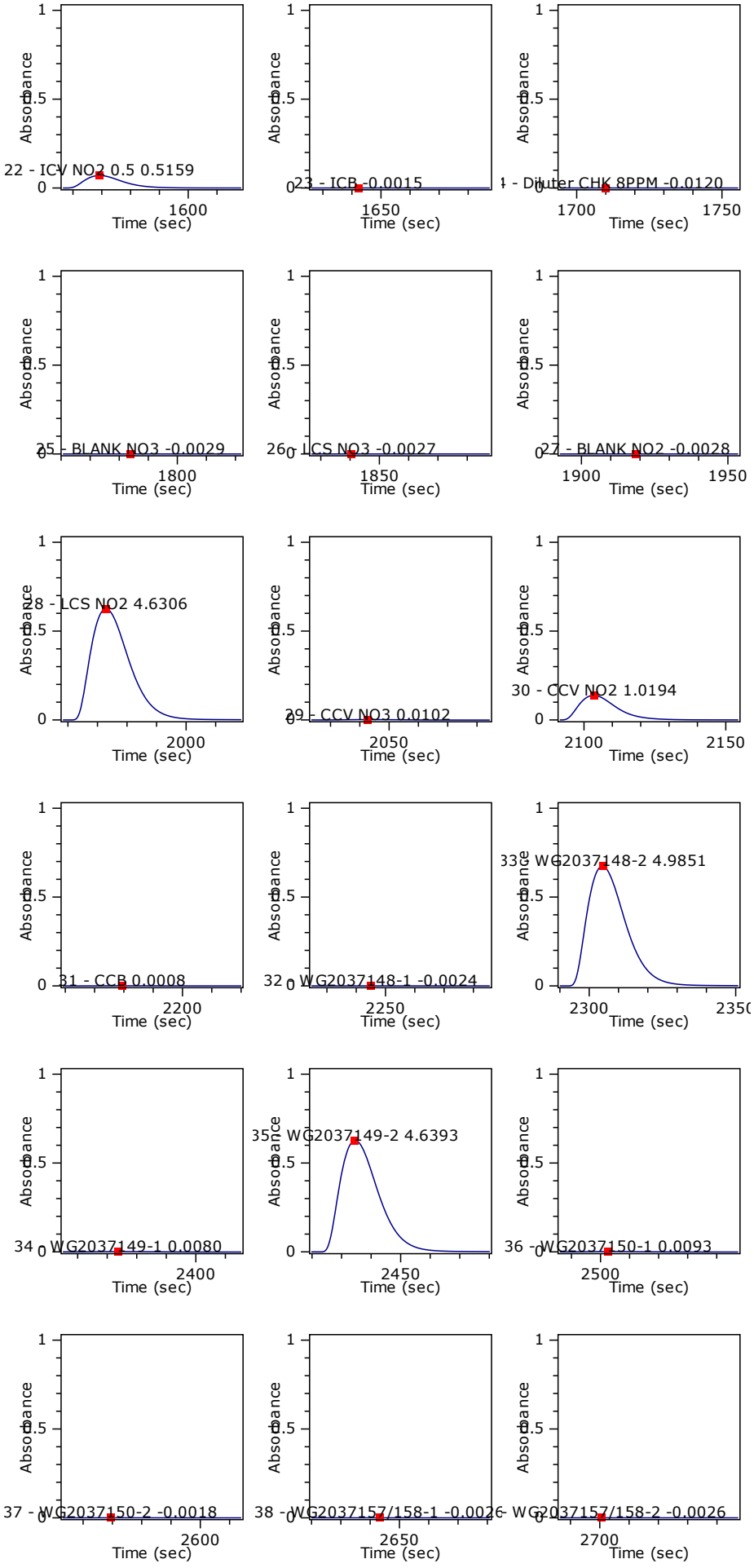

Absorbance
1
0
112 - L2512270-02A 0.0486
7550
Time (sec)
113 - L2512284-01A 0.1199
7600
Time (sec)
114 - L2512284-02A 0.1036
7650
7700
Time (sec)
115 - L2512289-01A 0.0449
7750
Time (sec)
116 - L2512291-01A 0.1471
7800
Time (sec)
117 - L2512291-02A 0.0572
7850
7900
Time (sec)
118 - L2512293-01C 0.0309
7950
Time (sec)
119 - L2512293-02E 0.0683
8000
Time (sec)
120 - CCV NO3 1.0316
8050
8100
Time (sec)
121 - CCV NO2 1.0562
8150
Time (sec)
122 - CCB 0.0079
8200
Time (sec)
123 - L2512294-01A 0.0317
8300
Time (sec)
124 - L2512294-02A 0.0456
8350
Time (sec)
125 - L2512296-01A 0.0291
8400
Time (sec)
126 - L2512296-02A 0.0413
8450
8500
Time (sec)
127 - L2512298-01A 0.0662
8550
Time (sec)
128 - L2512298-02A 0.0456
8600
Time (sec)
129 - L2512299-01A 0.1142
8650
8700
Time (sec)

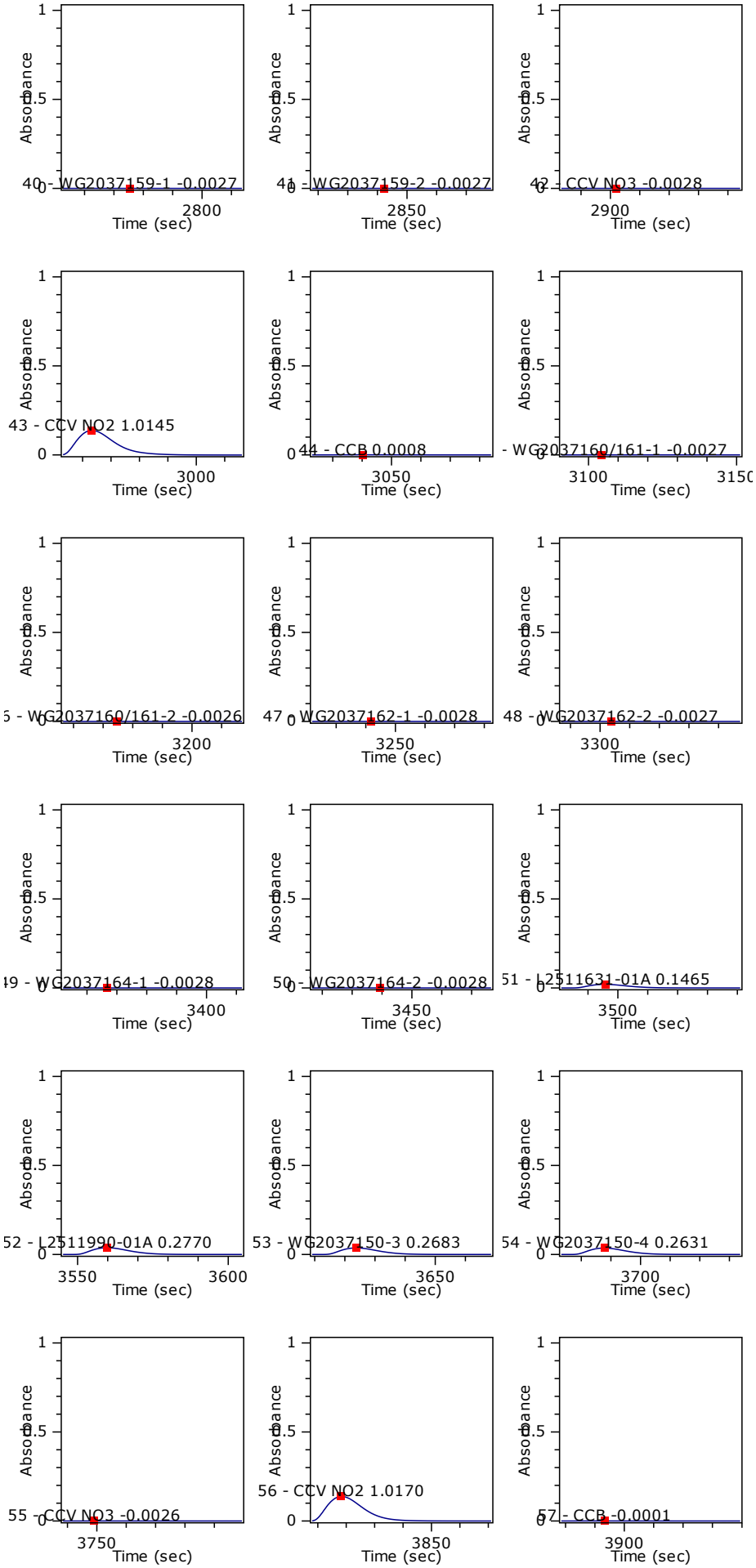


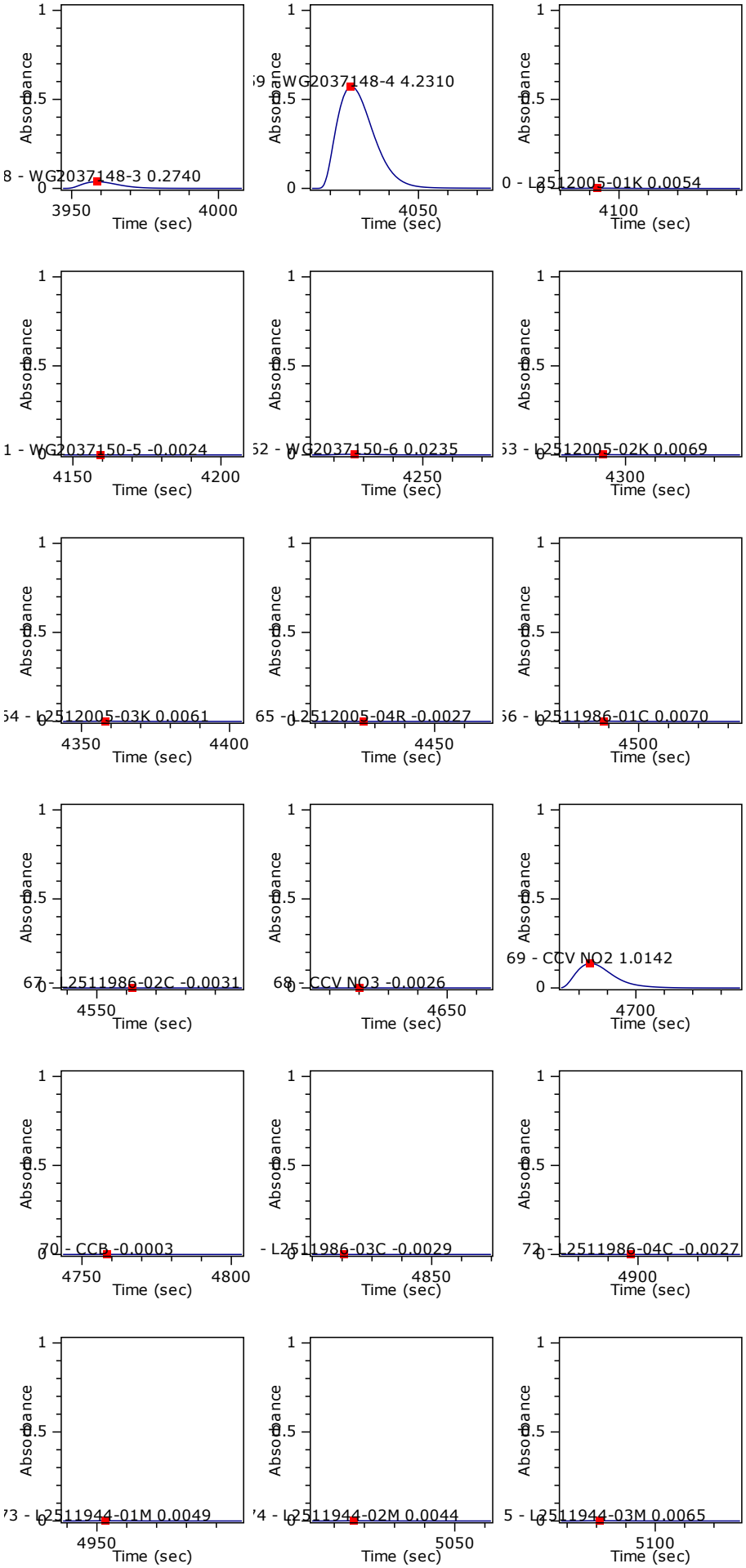
Channel: 2-NO2

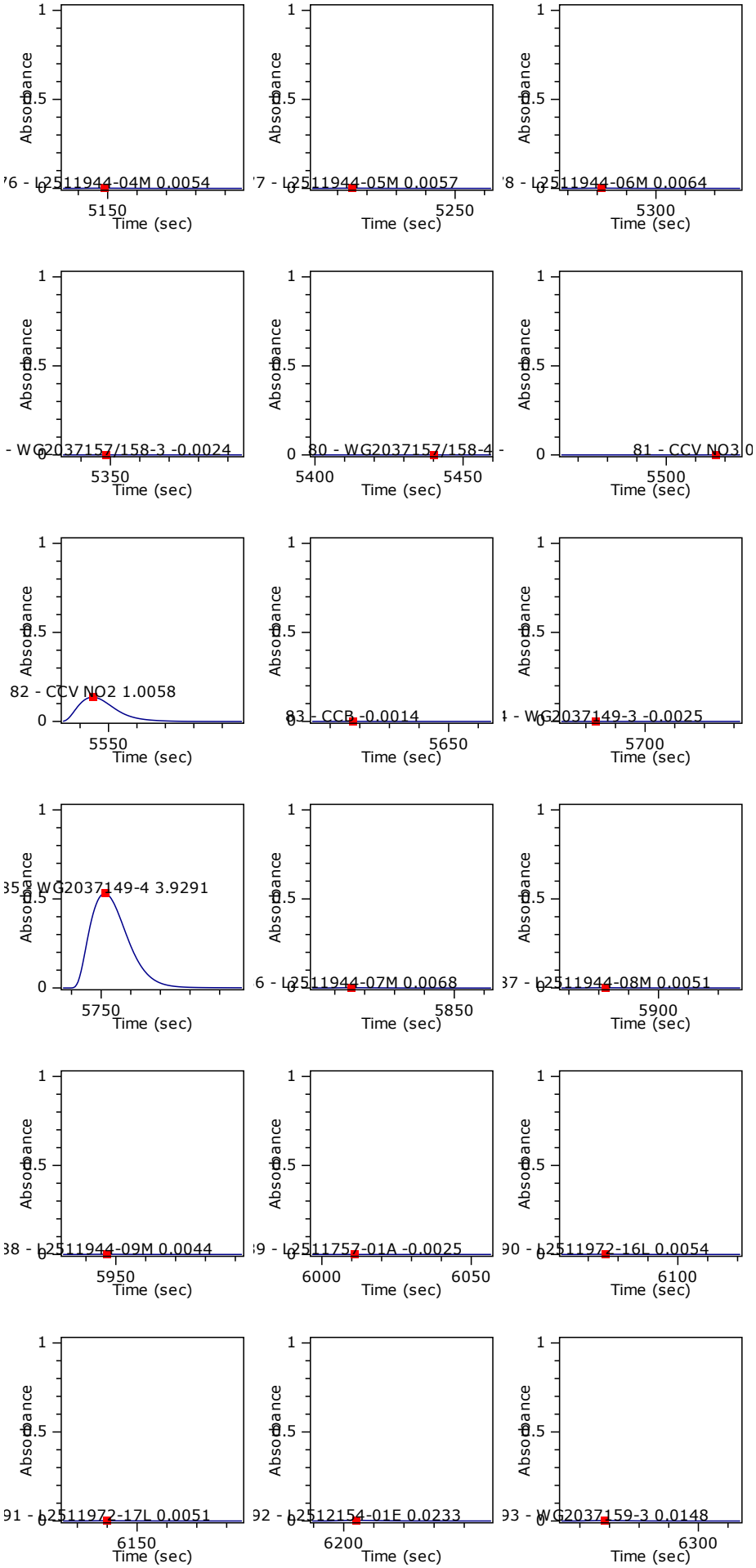


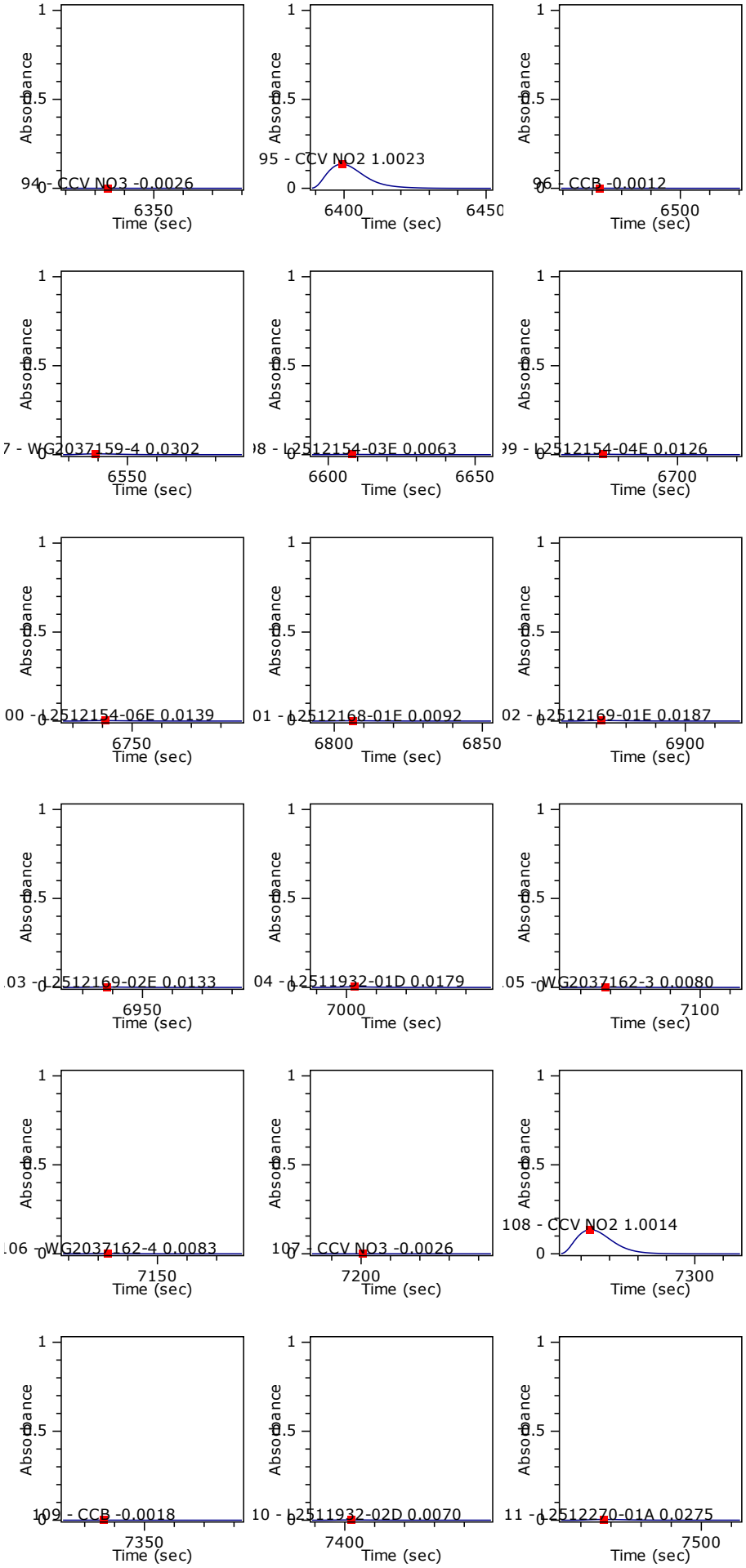

4 - NOx 1.0ppm -0.0025
5 - NOx 0.4ppm -0.0027
6 - NOx 0.2ppm -0.0026
7 - NOx 0.1ppm -0.0025
8 - NOx 0.0ppm -0.0024
9 - Nitrite 8.0ppm 7.5563
10 - Nitrite 4.0ppm 4.0273
11 - Nitrite 1.0ppm 1.0194
12 - Nitrite 0.4ppm 0.4150
13 - Nitrite 0.1ppm 0.1016
14 - Nitrite 0.05ppm 0.0493
15 - Nitrite 0.0ppm -0.0020
16 - CCV NO3 -0.00
17 - CCV NO2 1.0136
18 - CCB 0.0003
19 - ICV NO3 5.0 -0.0023
20 - ICV NO2 5.0 4.6057
21 - ICV NO3 0.5 0.0066
Absorbance
Time (sec)

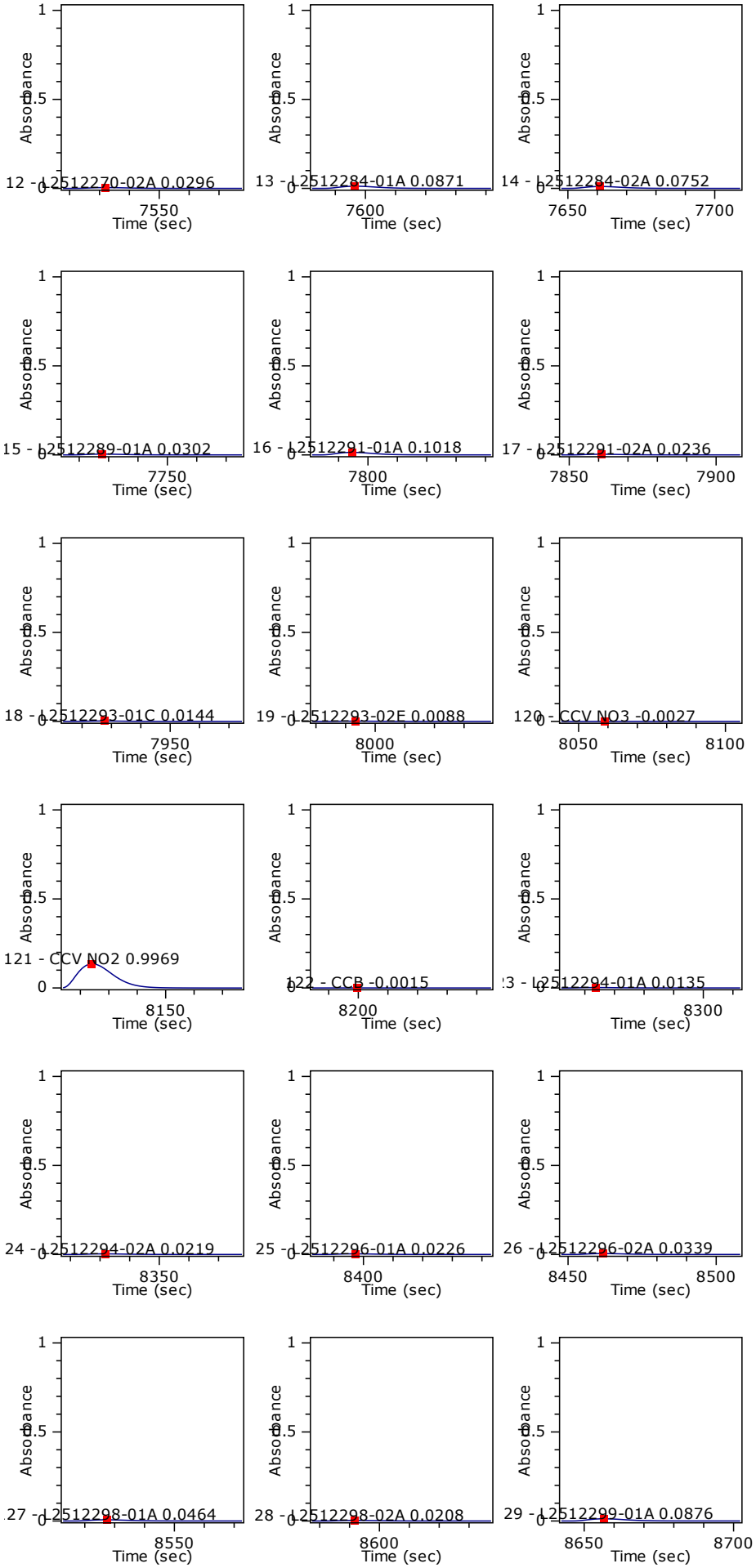

22 - ICV NO2 0.5 0.5159
23 - ICB -0.0015
24 - Diuter CHK 8PPM -0.0120
25 - BLANK NO3 -0.0029
26 - LCS NO3 -0.0027
27 - BLANK NO2 -0.0028
28 - LCS NO2 4.6306
29 - CCV NO3 0.0102
30 - CCV NO2 1.0194
31 - CCB 0.0008
32 - WG2037148-1 -0.0024
33 - WG2037148-2 4.9851
34 - WG2037149-1 0.0080
35 - WG2037149-2 4.6393
36 - WG2037150-1 0.0093
37 - WG2037150-2 -0.0018
38 - WG2037157/158-1 -0.0026
WG2037157/158-2 -0.0026
Absorbance
Time (sec)

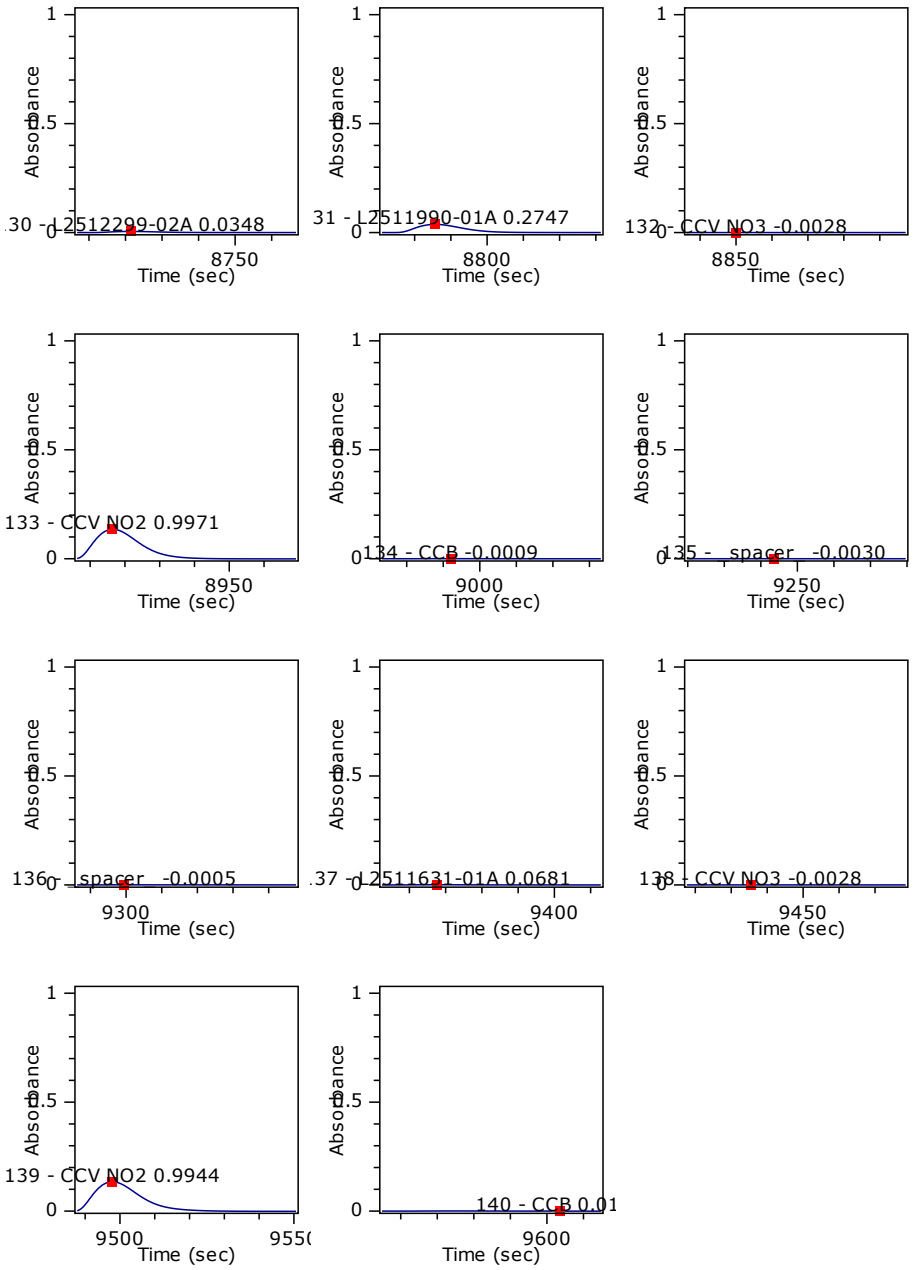

40 - WG2037159-1 -0.0027
41 - WG2037159-2 -0.0027
42 - CCV NO3 -0.0028
43 - CCV NO2 1.0145
44 - CCB 0.0008
- WG2037160/161-1 -0.0027
5 - WG2037160/161-2 -0.0026
47 - WG2037162-1 -0.0028
48 - WG2037162-2 -0.0027
49 - WG2037164-1 -0.0028
50 - WG2037164-2 -0.0028
51 - L2511631-01A 0.1465
52 - L2511990-01A 0.2770
53 - WG2037150-3 0.2683
54 - WG2037150-4 0.2631
55 - CCV NO3 -0.0026
56 - CCV NO2 1.0170
57 - CCB -0.0001
Absorbance
Time (sec)


8 - WG2037148-3 0.2740
9 - WG2037148-4 4.2310
0 - L2512005-01K 0.0054
1 - WG2037150-5 -0.0024
52 - WG2037150-6 0.0235
53 - L2512005-02K 0.0069
54 - L2512005-03K 0.0061
65 - L2512005-04R -0.0027
56 - L2511986-01C 0.0070
67 - L2511986-02C -0.0031
68 - CCV NO3 -0.0026
69 - CCV NO2 1.0142
70 - CCB -0.0003
- L2511986-03C -0.0029
72 - L2511986-04C -0.0027
73 - L2511944-01M 0.0049
74 - L2511944-02M 0.0044
5 - L2511944-03M 0.0065
Absorbance
Time (sec)


76 - L2511944-04M 0.0054
77 - L2511944-05M 0.0057
78 - L2511944-06M 0.0064
- WG2037157/158-3 -0.0024
80 - WG2037157/158-4 -
81 - CCV NO3 0
82 - CCV NO2 1.0058
83 - CCB -0.0014
4 - WG2037149-3 -0.0025
35 - WG2037149-4 3.9291
6 - L2511944-07M 0.0068
37 - L2511944-08M 0.0051
38 - L2511944-09M 0.0044
9 - L2511757-01A -0.0025
90 - L2511972-16L 0.0054
91 - L2511972-17L 0.0051
92 - L2512154-01E 0.0233
93 - WG2037159-3 0.0148
Absorbance
Time (sec)


94 - CCV NO3 -0.0026
95 - CCV NO2 1.0023
96 - CCB -0.0012
7 - WG2037159-4 0.0302
98 - L2512154-03E 0.0063
99 - L2512154-04E 0.0126
00 - L2512154-06E 0.0139
01 - L2512168-01E 0.0092
02 - L2512169-01E 0.0187
03 - L2512169-02E 0.0133
04 - L2511932-01D 0.0179
05 - WG2037162-3 0.0080
06 - WG2037162-4 0.0083
107 - CCV NO3 -0.0026
108 - CCV NO2 1.0014
109 - CCB -0.0018
10 - L2511932-02D 0.0070
11 - L2512270-01A 0.0275
Absorbance
Time (sec)


12 - L2512270-02A 0.0296
13 - L2512284-01A 0.0871
14 - L2512284-02A 0.0752
15 - L2512289-01A 0.0302
16 - L2512291-01A 0.1018
17 - L2512291-02A 0.0236
18 - L2512293-01C 0.0144
19 - L2512293-02E 0.0088
120 - CCV NO3 -0.0027
121 - CCV NO2 0.9969
122 - CCB -0.0015
3 - L2512294-01A 0.0135
24 - L2512294-02A 0.0219
25 - L2512296-01A 0.0226
26 - L2512296-02A 0.0339
27 - L2512298-01A 0.0464
28 - L2512298-02A 0.0208
29 - L2512299-01A 0.0876
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 2.4
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 1.9
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-03-06T03:11:09

Method
------------
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.
```

```
FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
   Delay (sec) 1
   Next Sample
   Autosampler Probe Force Down

   Spectrometer Reference Scan
   Spectrometer Absorbance Scanning

   Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

   FIAlab Injection Valve Sample Load

   Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

   FIAlab1 Injection Valve Sample Inject
   Autosampler Probe Up
   Delay (sec) 5
   Autosampler Position (#) Rinse
   FIAlab2 Injection Valve Sample Inject

   Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

   Autosampler Probe Up

   Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

   Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

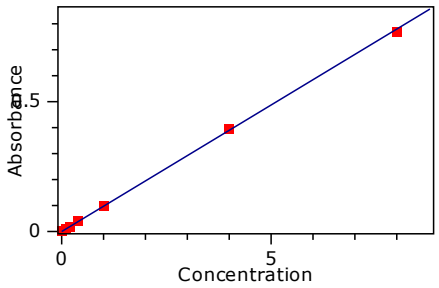
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-03-06 09:06:20
Data file (.dat): C:\FIAlab\Autosave Data\2025-03-06-090601.dat

Dataset Notes:

Analyst	

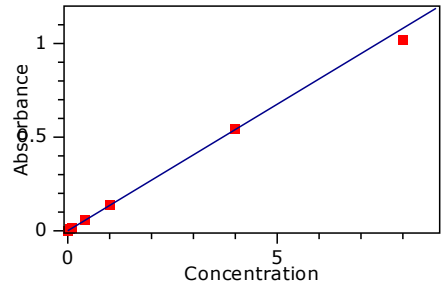
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: -0.00021
B: 0.09748
R^2: 0.99984
RSE(%): 1.11124
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.76910	8.00000	7.89230	1.35	N/A
10002	NOx 4.0ppm	0.39490	4.00000	4.05380	1.35	N/A
10003	NOx 1.0ppm	0.09680	1.00000	0.99550	0.45	N/A
10004	NOx 0.4ppm	0.03920	0.40000	0.40390	0.96	N/A
10005	NOx 0.2ppm	0.01920	0.20000	0.19910	0.43	N/A
10006	NOx 0.1ppm	0.00950	0.10000	0.10000	0.01	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00290	NA	N/A



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00043
B: 0.13507
R^2: 0.99905
RSE(%): 3.65935
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	1.02100	8.00000	7.55630	5.55	N/A
10002	Nitrite 4.0ppm	0.54440	4.00000	4.02730	0.68	N/A
10003	Nitrite 1.0ppm	0.13810	1.00000	1.01940	1.94	N/A
10004	Nitrite 0.4ppm	0.05650	0.40000	0.41500	3.75	N/A
10005	Nitrite 0.1ppm	0.01420	0.10000	0.10160	1.62	N/A
10006	Nitrite 0.05ppm	0.00710	0.05000	0.04930	1.36	N/A
10007	Nitrite 0.0ppm	0.00020	0.00000	-0.00200	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	0.0037		2025-03-06T06:26:54
CCV NO3	2	QC	1	0.0991	1	1	1	1.0188		2025-03-06T06:28:04
CCV NO2	3	QC	?	0.1019	1	1	1	1.0471		2025-03-06T06:29:09
CCB	4	QC	0	0.0003	1	1	1	0.0048		2025-03-06T06:30:21

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2511919-01I	5	Unknown	?	0.0080	1	1	1	0.0838		2025-03-06T06:31:25
WG2037164-3	6	Unknown	?	0.0070	1	1	1	0.0736		2025-03-06T06:32:31
WG2037164-4	7	Unknown	?	0.4078	1	1	1	4.1854		2025-03-06T06:33:36
L2511919-02I	8	Unknown	?	0.0043	1	1	1	0.0462		2025-03-06T06:34:43
L2511919-04I	9	Unknown	?	0.0012	1	1	1	0.0140		2025-03-06T06:35:49
L2511919-05I	10	Unknown	?	0.0071	1	1	1	0.0754		2025-03-06T06:36:56
L2511919-07I	11	Unknown	?	0.0412	1	1	1	0.4250		2025-03-06T06:38:02
L2511919-08I	12	Unknown	?	0.0167	1	1	1	0.1734		2025-03-06T06:39:08
L2512280-01A	13	Unknown	?	0.0050	1	1	1	0.0534		2025-03-06T06:40:14
L2512280-02A	14	Unknown	?	0.0053	1	1	1	0.0568		2025-03-06T06:41:19
CCV NO3	15	QC	1	0.0990	1	1	1	1.0174		2025-03-06T06:42:24
CCV NO2	16	QC	?	0.1023	1	1	1	1.0518		2025-03-06T06:43:30
CCB	17	QC	0	0.0006	1	1	1	0.0080		2025-03-06T06:44:44
L2512286-01A	18	Unknown	?	0.0040	1	1	1	0.0432		2025-03-06T06:45:48
L2512286-02A	19	Unknown	?	0.0045	1	1	1	0.0479		2025-03-06T06:46:55
L2511733-01D	20	Unknown	?	0.8426	1	1	1	8.6463	OVR	2025-03-06T06:47:59
WG2037160-3	21	Unknown	?	0.8405	1	1	1	8.6247	OVR	2025-03-06T06:49:05
WG2037160-4	22	Unknown	?	1.1021	1	1	1	11.3084	OVR	2025-03-06T06:50:10
L2511745-01C	23	Unknown	?	0.0037	1	1	1	0.0400		2025-03-06T06:51:14
L2511959-01A	24	Unknown	?	0.8065	1	1	1	8.2760	OVR	2025-03-06T06:52:20
L2511963-01K	25	Unknown	?	0.0114	1	1	1	0.1195		2025-03-06T06:53:26
WG2037161-3	26	Unknown	?	0.0128	1	1	1	0.1336		2025-03-06T06:54:33
WG2037161-4	27	Unknown	?	0.4080	1	1	1	4.1883		2025-03-06T06:55:40
CCV NO3	28	QC	1	0.0985	1	1	1	1.0131		2025-03-06T06:56:45
CCV NO2	29	QC	?	0.1015	1	1	1	1.0430		2025-03-06T06:57:50
CCB	30	QC	0	0.0010	1	1	1	0.0119		2025-03-06T06:59:04
L2511963-02K	31	Unknown	?	0.0106	1	1	1	0.1111		2025-03-06T07:00:09
L2511963-03K	32	Unknown	?	0.0018	1	1	1	0.0203		2025-03-06T07:01:20
L2511963-04K	33	Unknown	?	0.1468	1	1	1	1.5077		2025-03-06T07:02:23
L2511963-05K	34	Unknown	?	0.0109	1	1	1	0.1144		2025-03-06T07:03:29
L2511963-06K	35	Unknown	?	0.0074	1	1	1	0.0781		2025-03-06T07:04:34
L2511963-07K	36	Unknown	?	0.0549	1	1	1	0.5659		2025-03-06T07:05:40
L2511963-08K	37	Unknown	?	0.0687	1	1	1	0.7065		2025-03-06T07:06:45

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2512235-02H	38	Unknown	?	0.3609	1	1	1	3.7050		2025-03-06T07:07:51
L2511745-01C	39	Unknown	?	0.0063	1	1	1	0.0664		2025-03-06T07:08:56
L2511963-01K	40	Unknown	?	0.0128	1	1	1	0.1331		2025-03-06T07:10:03
CCV NO3	41	QC	1	0.0987	1	1	1	1.0143		2025-03-06T07:11:08
CCV NO2	42	QC	?	0.1030	1	1	1	1.0585		2025-03-06T07:12:14
CCB	43	QC	0	0.0005	1	1	1	0.0070		2025-03-06T07:13:28
spacer	44	Unknown	?	0.0000	1	1	1	0.0026		2025-03-06T07:24:21
spacer	45	Unknown	?	0.0005	1	1	1	0.0076		2025-03-06T07:25:51
L2511733-01D	46	Unknown	?	0.0905	1	10	1	9.3078		2025-03-06T07:26:59
WG2037160-3	47	Unknown	?	0.0915	1	10	1	9.4034		2025-03-06T07:28:07
WG2037160-4	48	Unknown	?	0.1309	1	10	1	13.4497		2025-03-06T07:29:16
L2511959-01A	49	Unknown	?	0.0843	1	10	1	8.6702		2025-03-06T07:30:24
CCV NO3	50	QC	1	0.0994	1	1	1	1.0220		2025-03-06T07:31:30
CCV NO2	51	QC	?	0.1021	1	1	1	1.0491		2025-03-06T07:32:36
CCB	52	QC	0	0.0002	1	1	1	0.0042		2025-03-06T07:33:48

Channel: 2-NO2

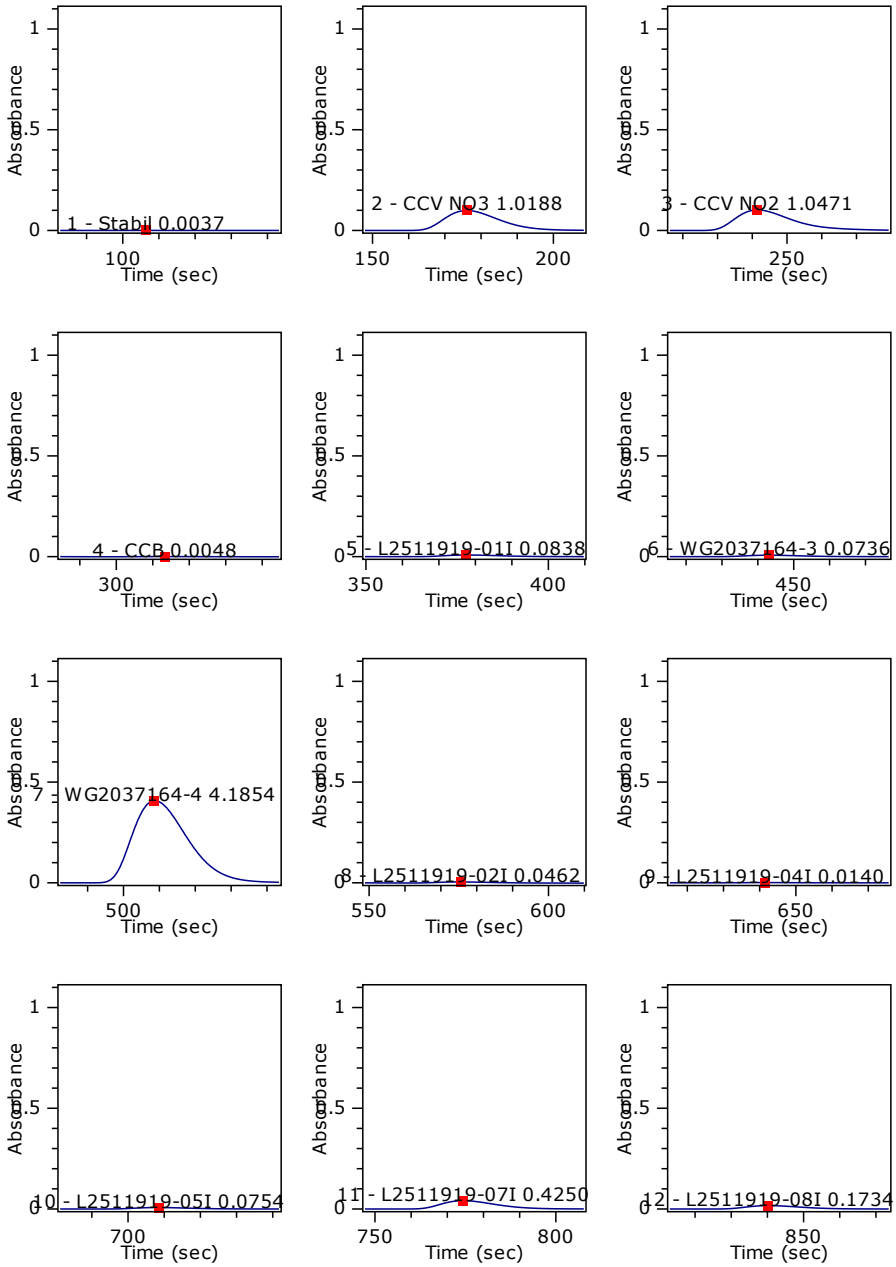
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	-0.0023		2025-03-06T06:26:41
CCV NO3	2	QC	?	0.0001	1	1	1	-0.0023		2025-03-06T06:27:55
CCV NO2	3	QC	1	0.1363	1	1	1	1.0062		2025-03-06T06:28:55
CCB	4	QC	0	0.0004	1	1	1	0.0002		2025-03-06T06:30:09
L2511919-01I	5	Unknown	?	0.0012	1	1	1	0.0055		2025-03-06T06:31:11
WG2037164-3	6	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T06:32:18
WG2037164-4	7	Unknown	?	0.0001	1	1	1	-0.0025		2025-03-06T06:33:29
L2511919-02I	8	Unknown	?	0.0013	1	1	1	0.0066		2025-03-06T06:34:30
L2511919-04I	9	Unknown	?	0.0011	1	1	1	0.0050		2025-03-06T06:35:36
L2511919-05I	10	Unknown	?	0.0011	1	1	1	0.0051		2025-03-06T06:36:41
L2511919-07I	11	Unknown	?	0.0032	1	1	1	0.0203		2025-03-06T06:37:48
L2511919-08I	12	Unknown	?	0.0012	1	1	1	0.0056		2025-03-06T06:38:55
L2512280-01A	13	Unknown	?	0.0033	1	1	1	0.0214		2025-03-06T06:40:01
L2512280-02A	14	Unknown	?	0.0033	1	1	1	0.0214		2025-03-06T06:41:06
CCV NO3	15	QC	?	0.0001	1	1	1	-0.0022		2025-03-06T06:42:40
CCV NO2	16	QC	1	0.1375	1	1	1	1.0150		2025-03-

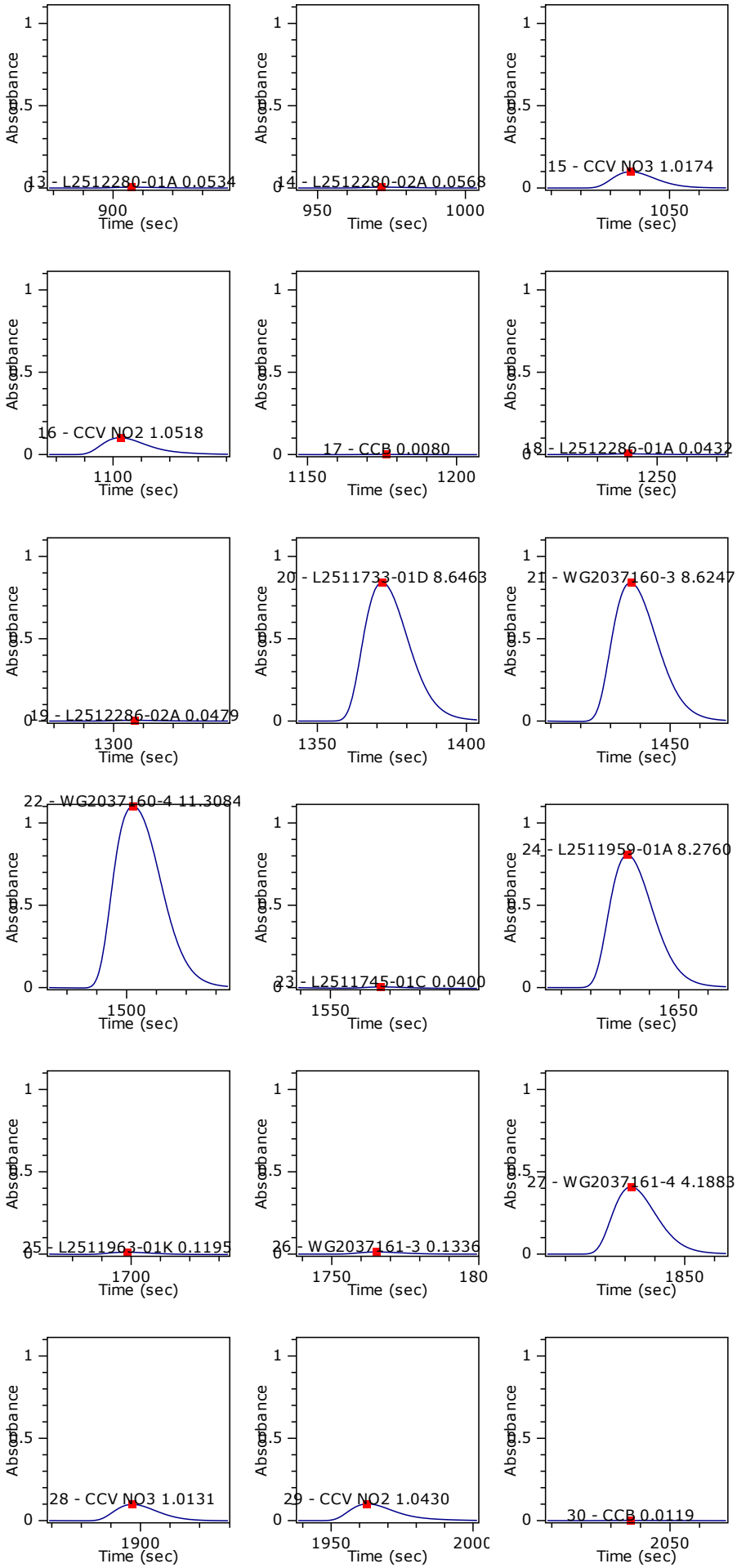
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
										06T06:43:16
CCB	17	QC	0	0.0006	1	1	1	0.0010		2025-03-06T06:44:30
L2512286-01A	18	Unknown	?	0.0049	1	1	1	0.0329		2025-03-06T06:45:34
L2512286-02A	19	Unknown	?	0.0049	1	1	1	0.0330		2025-03-06T06:46:40
L2511733-01D	20	Unknown	?	0.2835	1	1	1	2.0960		2025-03-06T06:47:45
WG2037160-3	21	Unknown	?	0.2838	1	1	1	2.0976		2025-03-06T06:48:51
WG2037160-4	22	Unknown	?	0.2784	1	1	1	2.0582		2025-03-06T06:49:56
L2511745-01C	23	Unknown	?	0.0042	1	1	1	0.0281		2025-03-06T06:51:01
L2511959-01A	24	Unknown	?	0.0007	1	1	1	0.0023		2025-03-06T06:52:06
L2511963-01K	25	Unknown	?	0.0041	1	1	1	0.0273		2025-03-06T06:53:13
WG2037161-3	26	Unknown	?	0.0041	1	1	1	0.0274		2025-03-06T06:54:20
WG2037161-4	27	Unknown	?	0.0040	1	1	1	0.0268		2025-03-06T06:55:27
CCV NO3	28	QC	?	0.0001	1	1	1	-0.0025		2025-03-06T06:56:31
CCV NO2	29	QC	1	0.1372	1	1	1	1.0125		2025-03-06T06:57:37
CCB	30	QC	0	0.0008	1	1	1	0.0029		2025-03-06T06:58:52
L2511963-02K	31	Unknown	?	0.0018	1	1	1	0.0099		2025-03-06T06:59:56
L2511963-03K	32	Unknown	?	0.0037	1	1	1	0.0241		2025-03-06T07:01:04
L2511963-04K	33	Unknown	?	0.0008	1	1	1	0.0031		2025-03-06T07:02:09
L2511963-05K	34	Unknown	?	0.0008	1	1	1	0.0031		2025-03-06T07:03:15
L2511963-06K	35	Unknown	?	0.0009	1	1	1	0.0033		2025-03-06T07:04:21
L2511963-07K	36	Unknown	?	0.0025	1	1	1	0.0153		2025-03-06T07:05:26
L2511963-08K	37	Unknown	?	0.0086	1	1	1	0.0607		2025-03-06T07:06:32
L2512235-02H	38	Unknown	?	0.0027	1	1	1	0.0172		2025-03-06T07:07:37
L2511745-01C	39	Unknown	?	0.0042	1	1	1	0.0280		2025-03-06T07:08:42
L2511963-01K	40	Unknown	?	0.0040	1	1	1	0.0268		2025-03-06T07:09:49
CCV NO3	41	QC	?	0.0001	1	1	1	-0.0023		2025-03-06T07:11:01
CCV NO2	42	QC	1	0.1368	1	1	1	1.0099		2025-03-06T07:12:00
CCB	43	QC	0	0.0007	1	1	1	0.0023		2025-03-06T07:13:16
spacer	44	Unknown	?	0.0000	1	1	1	-0.0028		2025-03-06T07:24:24
spacer	45	Unknown	?	0.0004	1	1	1	-0.0004		2025-03-06T07:25:37
L2511733-01D	46	Unknown	?	0.0285	1	10	1	2.0776		2025-03-06T07:26:47
WG2037160-3	47	Unknown	?	0.0283	1	10	1	2.0634		2025-03-06T07:27:55
WG2037160-4	48	Unknown	?	0.0278	1	10	1	2.0285		2025-03-06T07:29:03

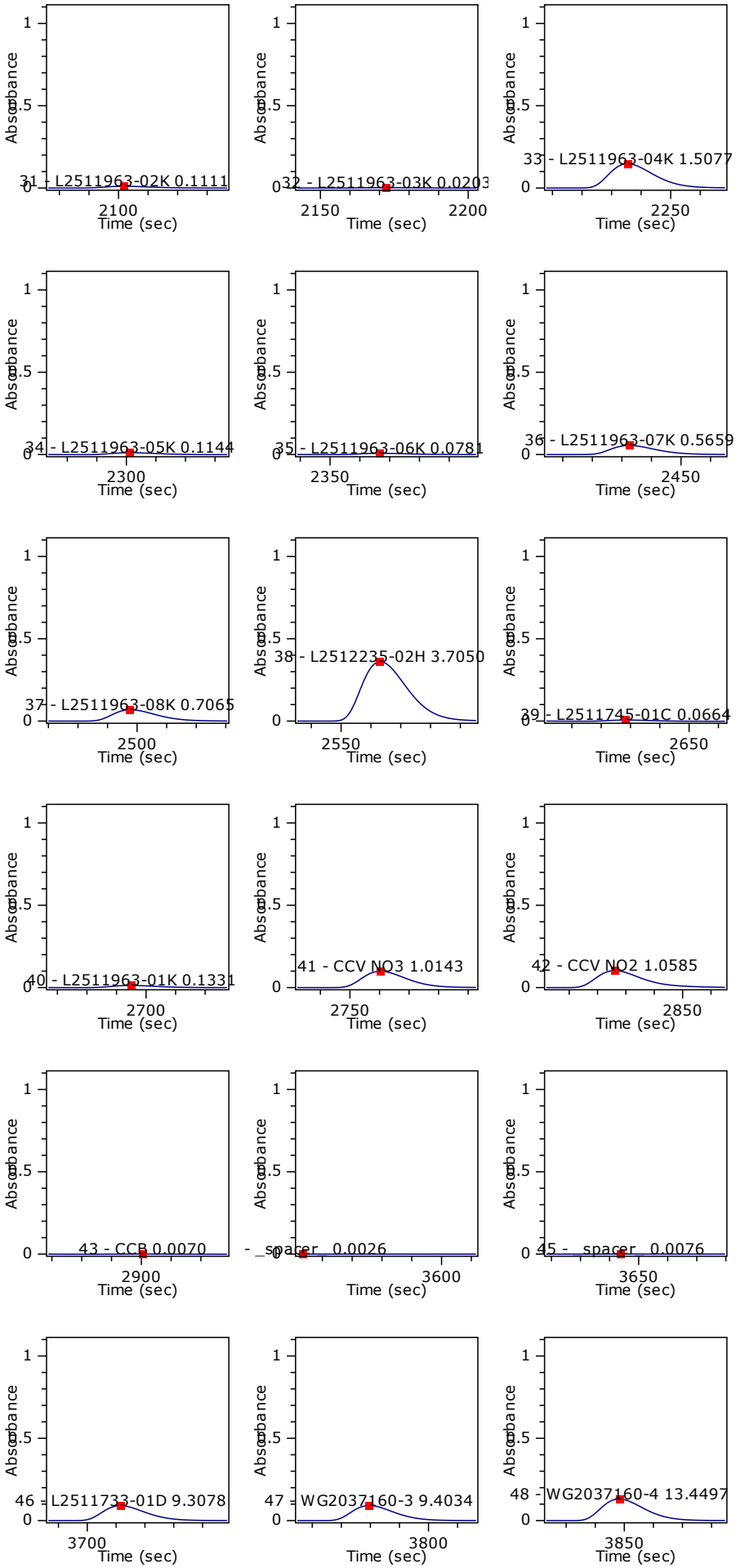
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2511959-01A	49	Unknown	?	0.0001	1	10	1	-0.0217		2025-03-06T07:30:11
CCV NO3	50	QC	?	0.0001	1	1	1	-0.0025		2025-03-06T07:31:15
CCV NO2	51	QC	1	0.1359	1	1	1	1.0027		2025-03-06T07:32:22
CCB	52	QC	0	0.0005	1	1	1	0.0003		2025-03-06T07:33:37

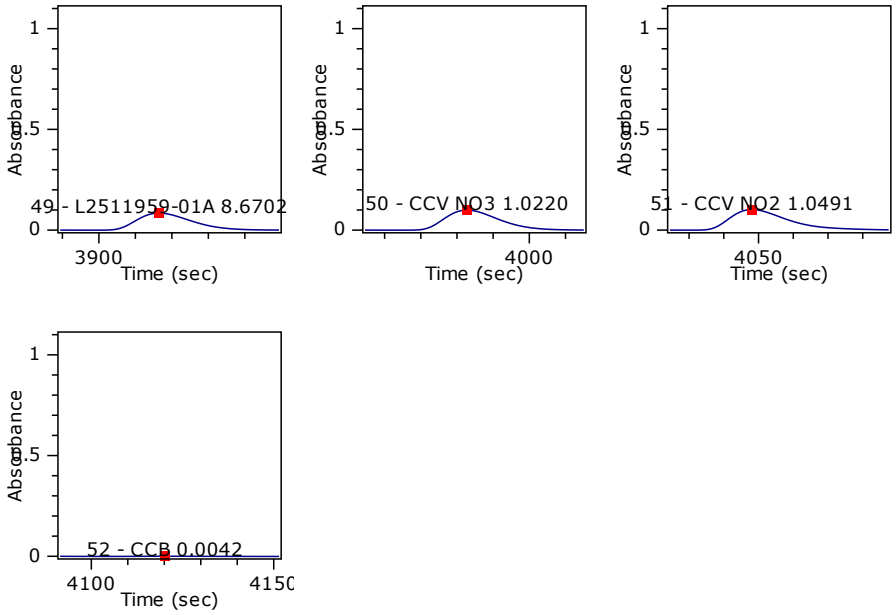
Peaks:

Channel: 1-NOx

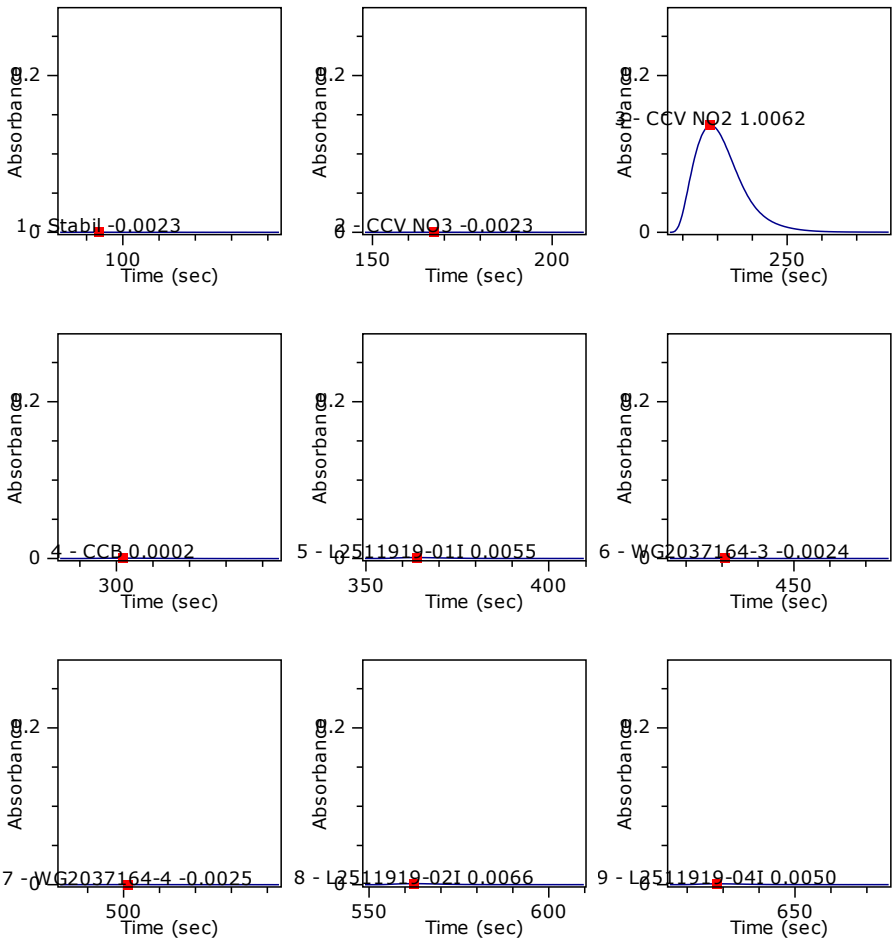


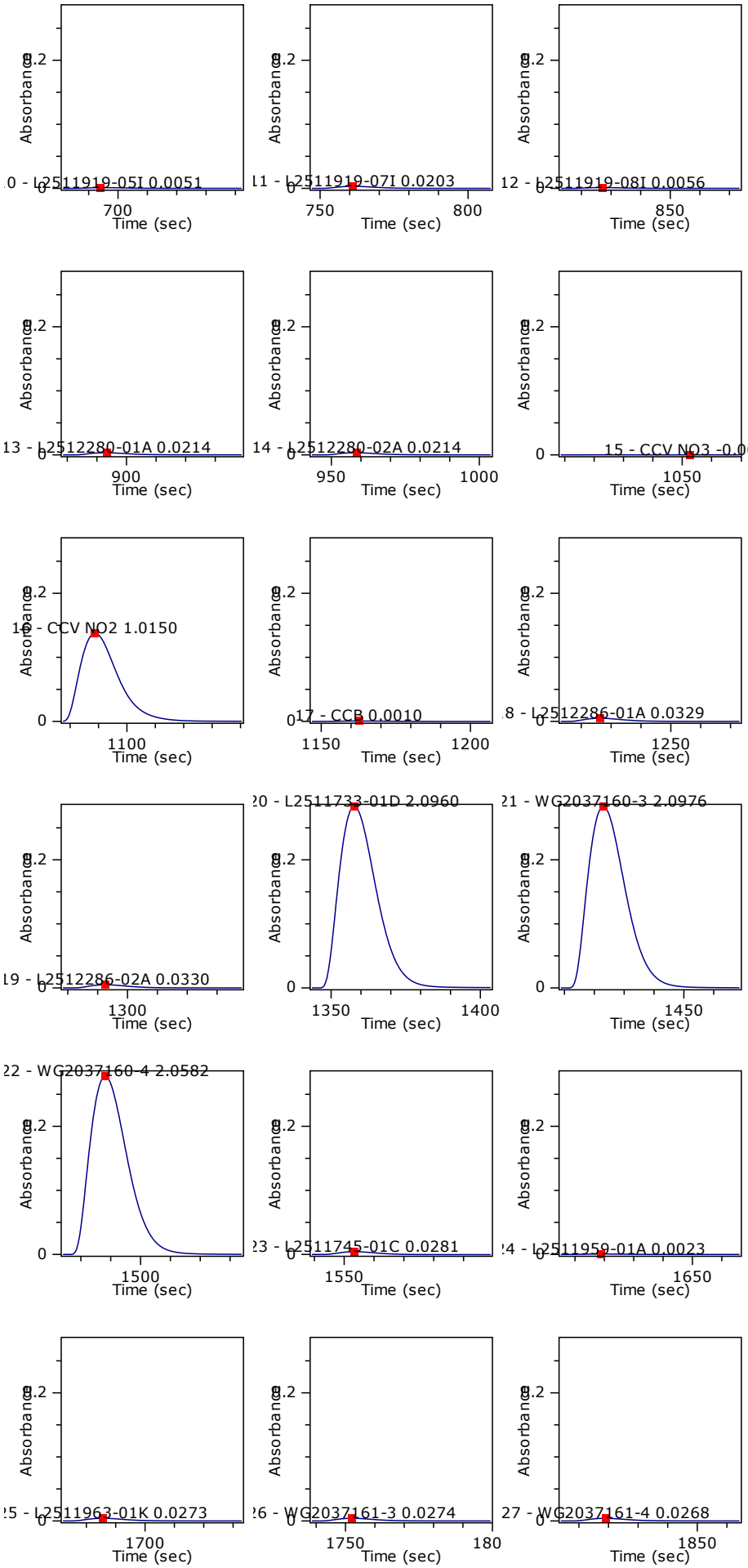

13 - L2512280-01A 0.0534
14 - L2512280-02A 0.0568
15 - CCV NO3 1.0174
16 - CCV NO2 1.0518
17 - CCB 0.0080
18 - L2512286-01A 0.0432
19 - L2512286-02A 0.0479
20 - L2511733-01D 8.6463
21 - WG2037160-3 8.6247
22 - WG2037160-4 11.3084
23 - L2511745-01C 0.0400
24 - L2511959-01A 8.2760
25 - L2511963-01K 0.1195
26 - WG2037161-3 0.1336
27 - WG2037161-4 4.1883
28 - CCV NO3 1.0131
29 - CCV NO2 1.0430
30 - CCB 0.0119
Absorbance
Time (sec)

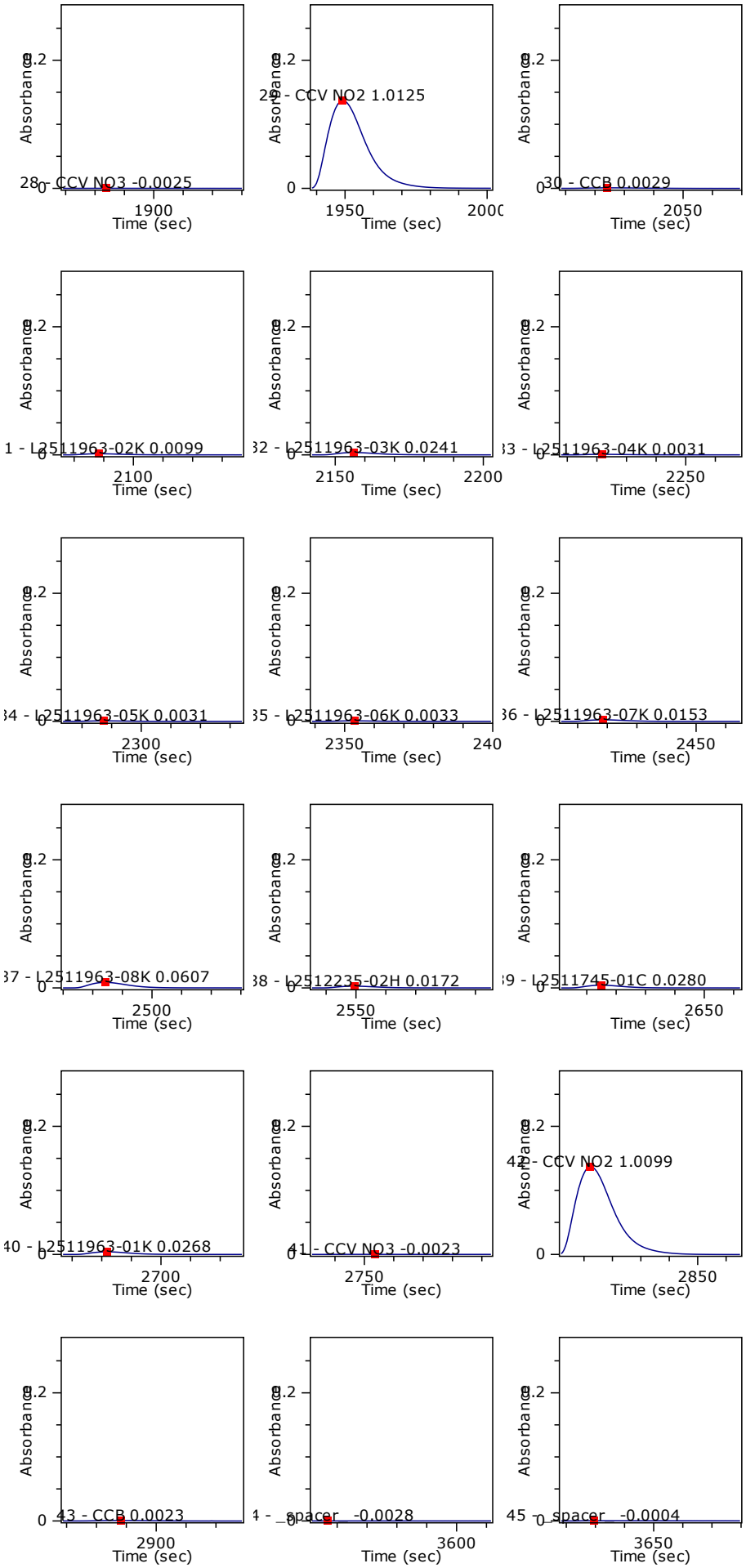

31 - L2511963-02K 0.1111
32 - L2511963-03K 0.0203
33 - L2511963-04K 1.5077
34 - L2511963-05K 0.1144
35 - L2511963-06K 0.0781
36 - L2511963-07K 0.5659
37 - L2511963-08K 0.7065
38 - L2512235-02H 3.7050
39 - L2511745-01C 0.0664
40 - L2511963-01K 0.1331
41 - CCV NO3 1.0143
42 - CCV NO2 1.0585
43 - CCB 0.0070
- spacer 0.0026
45 - spacer 0.0076
46 - L2511733-01D 9.3078
47 - WG2037160-3 9.4034
48 - WG2037160-4 13.4497
Absorbance
Time (sec)

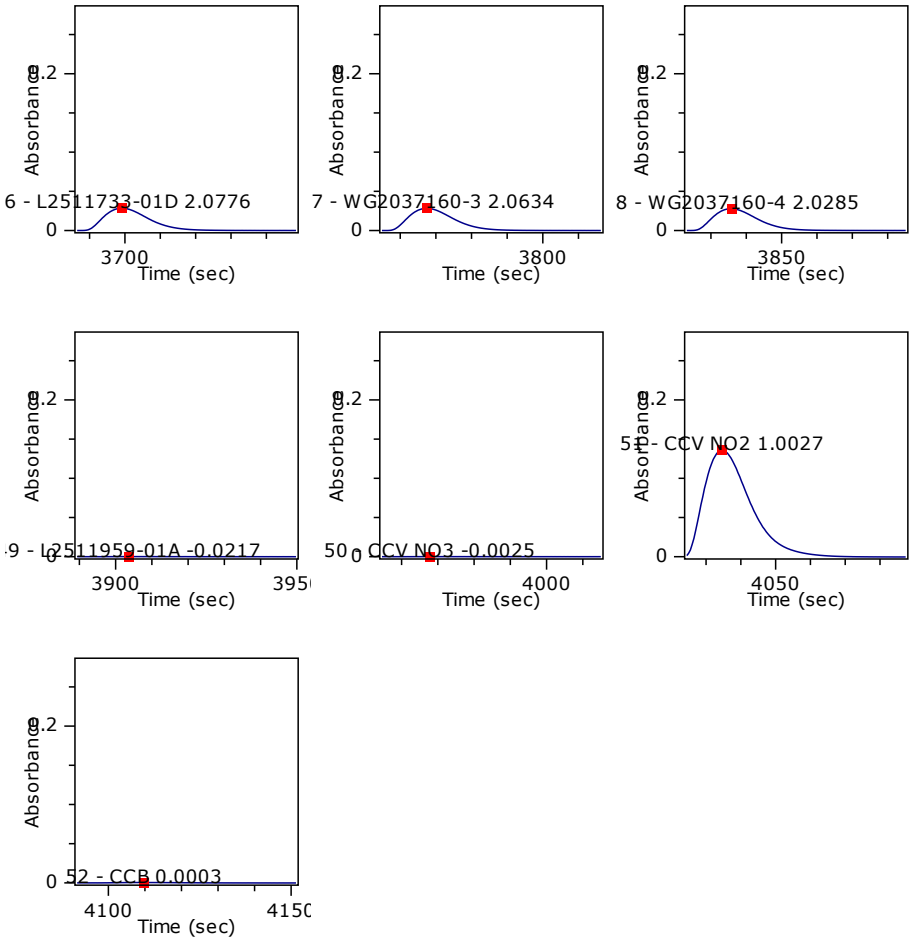


Channel: 2-NO2




Absorbance
Time (sec)
10 - L2511919-05I 0.0051
11 - L2511919-07I 0.0203
12 - L2511919-08I 0.0056
13 - L2512280-01A 0.0214
14 - L2512280-02A 0.0214
15 - CCV NO3 -0.0
16 - CCV NO2 1.0150
17 - CCB 0.0010
18 - L2512286-01A 0.0329
19 - L2512286-02A 0.0330
20 - L2511733-01D 2.0960
21 - WG2037160-3 2.0976
22 - WG2037160-4 2.0582
23 - L2511745-01C 0.0281
24 - L2511959-01A 0.0023
25 - L2511963-01K 0.0273
26 - WG2037161-3 0.0274
27 - WG2037161-4 0.0268


28 - CCV NO3 -0.0025
29 - CCV NO2 1.0125
30 - CCB 0.0029
31 - L2511963-02K 0.0099
32 - L2511963-03K 0.0241
33 - L2511963-04K 0.0031
34 - L2511963-05K 0.0031
35 - L2511963-06K 0.0033
36 - L2511963-07K 0.0153
37 - L2511963-08K 0.0607
38 - L2512235-02H 0.0172
39 - L2511745-01C 0.0280
40 - L2511963-01K 0.0268
41 - CCV NO3 -0.0023
42 - CCV NO2 1.0099
43 - CCB 0.0023
44 - spacer -0.0028
45 - spacer -0.0004
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False

Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 2.4
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 1.9
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-03-06T06:25:08

Method
------------
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
```

```
    Delay (sec) 1
    Next Sample
    Autosampler Probe Force Down

    Spectrometer Reference Scan
    Spectrometer Absorbance Scanning

    Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

    FIAlab Injection Valve Sample Load

    Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

    FIAlab1 Injection Valve Sample Inject
    Autosampler Probe Up
    Delay (sec) 5
    Autosampler Position (#) Rinse
    FIAlab2 Injection Valve Sample Inject

    Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

    Autosampler Probe Up

    Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

    Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

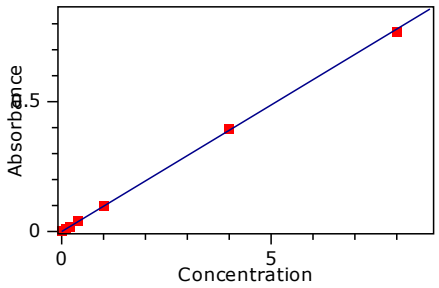
Graphical report generated by FIAsoft v3.1.10
Report generated on 2025-03-06 10:09:21
Data file (.dat): C:\FIAlab\Autosave Data\2025-03-06-100858.dat

Dataset Notes:

Analyst	

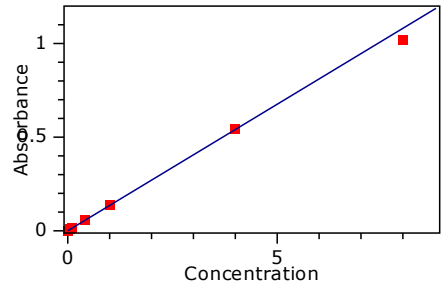
Dataset Notes Table Location: C:\FIAlab\FIAlab User Files\Tables\Dataset Notes\Analyst.csv

Calibrations:



Channel: 1-NOx
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: -0.00021
B: 0.09748
R^2: 0.99984
RSE(%): 1.11124
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	NOx 8.0ppm	0.76910	8.00000	7.89230	1.35	N/A
10002	NOx 4.0ppm	0.39490	4.00000	4.05380	1.35	N/A
10003	NOx 1.0ppm	0.09680	1.00000	0.99550	0.45	N/A
10004	NOx 0.4ppm	0.03920	0.40000	0.40390	0.96	N/A
10005	NOx 0.2ppm	0.01920	0.20000	0.19910	0.43	N/A
10006	NOx 0.1ppm	0.00950	0.10000	0.10000	0.01	N/A
10007	NOx 0.0ppm	0.00010	0.00000	0.00290	NA	N/A



Channel: 2-NO2
Fit_Order: 1
Weighting: 1/response
Standard relation
Coefficients:
A: 0.00043
B: 0.13507
R^2: 0.99905
RSE(%): 3.65935
% Max. for OVR: 100

InjNo	Name	Response	Known Conc. mg/L	Calc. Conc. mg/L	% Error	Time
10001	Nitrite 8.0ppm	1.02100	8.00000	7.55630	5.55	N/A
10002	Nitrite 4.0ppm	0.54440	4.00000	4.02730	0.68	N/A
10003	Nitrite 1.0ppm	0.13810	1.00000	1.01940	1.94	N/A
10004	Nitrite 0.4ppm	0.05650	0.40000	0.41500	3.75	N/A
10005	Nitrite 0.1ppm	0.01420	0.10000	0.10160	1.62	N/A
10006	Nitrite 0.05ppm	0.00710	0.05000	0.04930	1.36	N/A
10007	Nitrite 0.0ppm	0.00020	0.00000	-0.00200	NA	N/A

Results:

Channel: 1-NOx

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0001	1	1	1	0.0037		2025-03-06T09:16:11
CCV NO3	2	QC	1	0.0993	1	1	1	1.0213		2025-03-06T09:17:23
CCV NO2	3	QC	?	0.1015	1	1	1	1.0432		2025-03-06T09:18:29
CCB	4	QC	0	0.0003	1	1	1	0.0047		2025-03-06T09:19:39

Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
L2512085-01J	5	Unknown	?	1.1963	1	1	1	12.2746	OVR	2025-03-06T09:20:45
WG2037316-3	6	Unknown	?	1.1974	1	1	1	12.2859	OVR	2025-03-06T09:21:51
WG2037316-4	7	Unknown	?	1.2829	1	1	1	13.1632	OVR	2025-03-06T09:22:56
L2512085-03B	8	Unknown	?	0.2189	1	1	1	2.2477		2025-03-06T09:24:02
L2512086-01J	9	Unknown	?	0.0021	1	1	1	0.0239		2025-03-06T09:25:08
L2512087-01J	10	Unknown	?	0.5071	1	1	1	5.2048		2025-03-06T09:26:15
L2512088-01G	11	Unknown	?	0.0156	1	1	1	0.1620		2025-03-06T09:27:21
L2511984-01A	12	Unknown	?	0.0230	1	1	1	0.2378		2025-03-06T09:28:28
L2511984-02A	13	Unknown	?	0.0209	1	1	1	0.2161		2025-03-06T09:29:34
L2511984-03A	14	Unknown	?	0.0192	1	1	1	0.1989		2025-03-06T09:30:40
CCV NO3	15	QC	1	0.0995	1	1	1	1.0231		2025-03-06T09:31:45
CCV NO2	16	QC	?	0.1018	1	1	1	1.0467		2025-03-06T09:32:51
CCB	17	QC	0	0.0002	1	1	1	0.0042		2025-03-06T09:34:02
L2511984-04A	18	Unknown	?	0.0210	1	1	1	0.2178		2025-03-06T09:35:08
L2512027-01A	19	Unknown	?	0.0832	1	1	1	0.8561		2025-03-06T09:36:15
L2512027-02A	20	Unknown	?	1.3270	1	1	1	13.6160	OVR	2025-03-06T09:37:24
L2512030-01A	21	Unknown	?	-0.0005	1	1	1	-0.0028		2025-03-06T09:37:59
L2512030-02A	22	Unknown	?	0.0010	1	1	1	0.0127		2025-03-06T09:39:32
L2512370-05H	23	Unknown	?	0.0043	1	1	1	0.0463		2025-03-06T09:40:38
L2512085-03B	24	Unknown	?	0.2188	1	1	1	2.2468		2025-03-06T09:41:44
L2512030-01A	25	Unknown	?	0.0002	1	1	1	0.0043		2025-03-06T09:42:48
CCV NO3	26	QC	1	0.0990	1	1	1	1.0179		2025-03-06T09:43:54
CCV NO2	27	QC	?	0.1017	1	1	1	1.0451		2025-03-06T09:45:00
CCB	28	QC	0	0.0001	1	1	1	0.0028		2025-03-06T09:46:12
spacer	29	Unknown	?	0.0000	1	1	1	0.0024		2025-03-06T09:58:03
spacer	30	Unknown	?	0.0008	1	1	1	0.0099		2025-03-06T09:59:30
L2512085-01J	31	Unknown	?	0.2912	1	5	1	14.9500		2025-03-06T10:00:35
WG2037316-3	32	Unknown	?	0.2932	1	5	1	15.0493		2025-03-06T10:01:43
WG2037316-4	33	Unknown	?	0.3609	1	5	1	18.5239		2025-03-06T10:02:51
L2512027-02A	34	Unknown	?	0.4827	1	5	1	24.7690		2025-03-06T10:04:00
CCV NO3	35	QC	1	0.0983	1	1	1	1.0110		2025-03-06T10:05:06
CCV NO2	36	QC	?	0.1015	1	1	1	1.0437		2025-03-06T10:06:12
CCB	37	QC	0	-0.0001	1	1	1	0.0013		2025-03-06T10:06:54

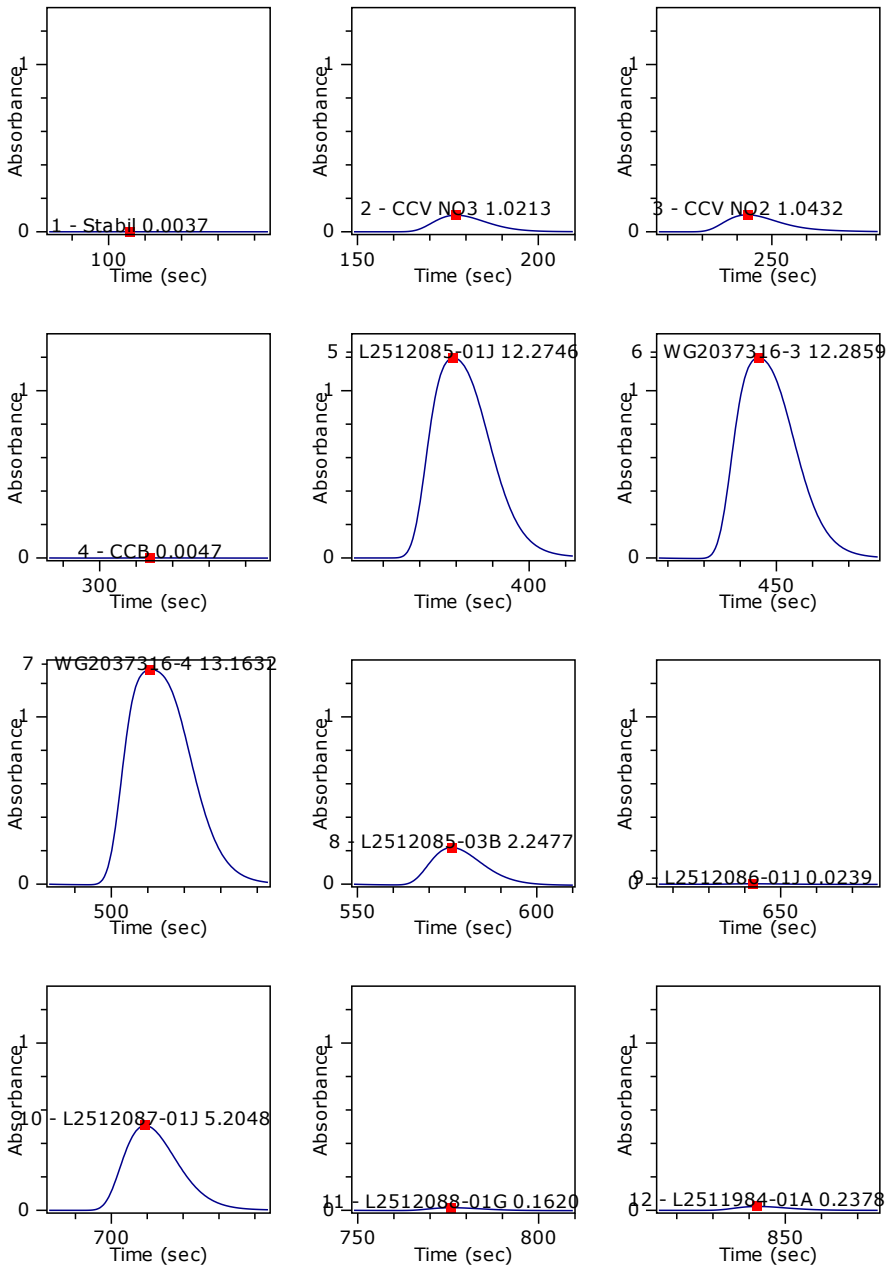
Channel: 2-NO2

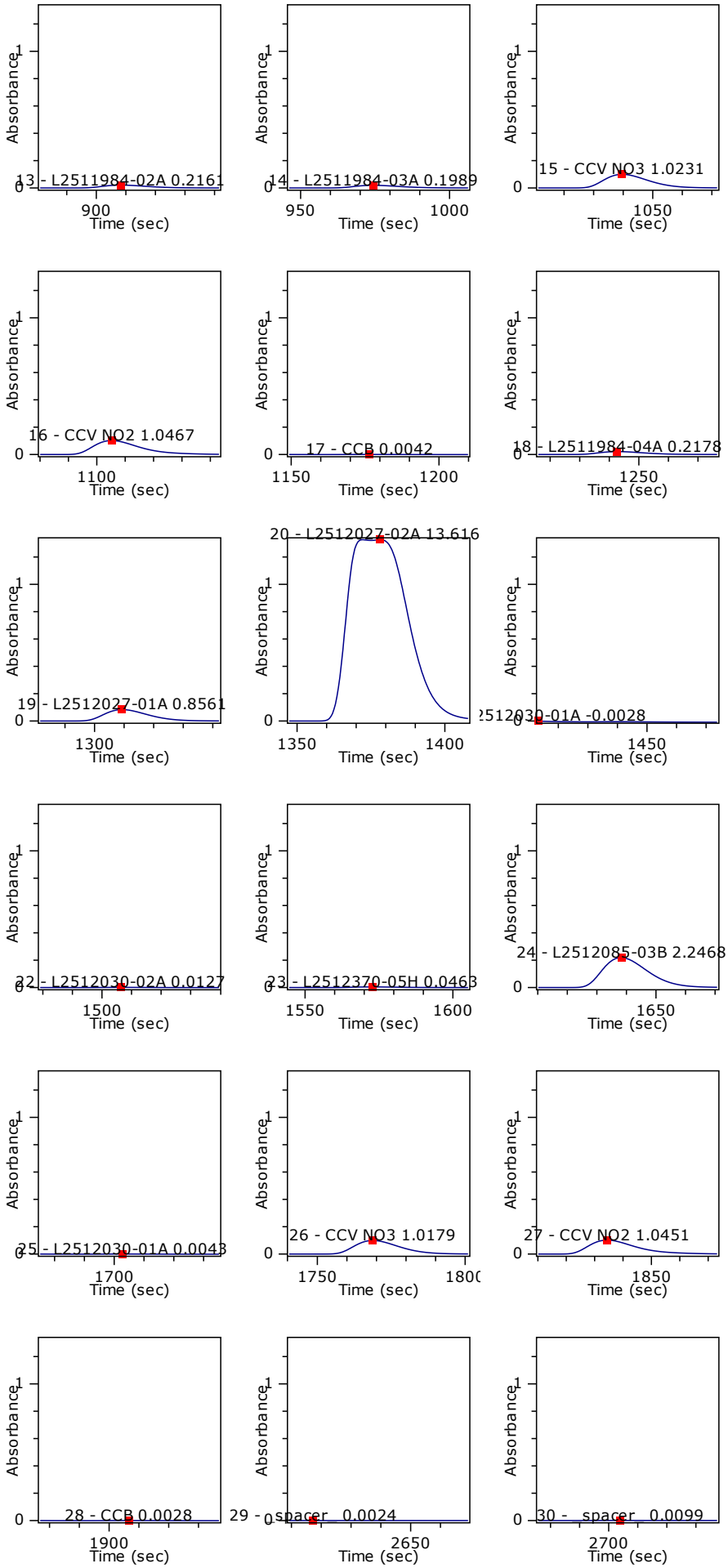
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
Stabil	1	Unknown	?	0.0002	1	1	1	-0.0018		2025-03-06T09:15:54
CCV NO3	2	QC	?	0.0001	1	1	1	-0.0021		2025-03-06T09:17:15
CCV NO2	3	QC	1	0.1364	1	1	1	1.0065		2025-03-06T09:18:15
CCB	4	QC	0	0.0004	1	1	1	-0.0003		2025-03-06T09:19:29
L2512085-01J	5	Unknown	?	0.0010	1	1	1	0.0043		2025-03-06T09:20:32
WG2037316-3	6	Unknown	?	0.0003	1	1	1	-0.0012		2025-03-06T09:21:46
WG2037316-4	7	Unknown	?	0.0003	1	1	1	-0.0012		2025-03-06T09:22:51
L2512085-03B	8	Unknown	?	0.0009	1	1	1	0.0033		2025-03-06T09:23:49
L2512086-01J	9	Unknown	?	0.0010	1	1	1	0.0040		2025-03-06T09:24:55
L2512087-01J	10	Unknown	?	0.0014	1	1	1	0.0071		2025-03-06T09:26:02
L2512088-01G	11	Unknown	?	0.0009	1	1	1	0.0032		2025-03-06T09:27:09
L2511984-01A	12	Unknown	?	0.0021	1	1	1	0.0120		2025-03-06T09:28:14
L2511984-02A	13	Unknown	?	0.0020	1	1	1	0.0118		2025-03-06T09:29:20
L2511984-03A	14	Unknown	?	0.0020	1	1	1	0.0115		2025-03-06T09:30:26
CCV NO3	15	QC	?	0.0001	1	1	1	-0.0021		2025-03-06T09:31:31
CCV NO2	16	QC	1	0.1371	1	1	1	1.0116		2025-03-06T09:32:37
CCB	17	QC	0	0.0002	1	1	1	-0.0014		2025-03-06T09:33:48
L2511984-04A	18	Unknown	?	0.0020	1	1	1	0.0117		2025-03-06T09:34:55
L2512027-01A	19	Unknown	?	0.1128	1	1	1	0.8318		2025-03-06T09:36:01
L2512027-02A	20	Unknown	?	0.0823	1	1	1	0.6063		2025-03-06T09:37:07
L2512030-01A	21	Unknown	?	0.0010	1	1	1	0.0039		2025-03-06T09:38:12
L2512030-02A	22	Unknown	?	0.0014	1	1	1	0.0070		2025-03-06T09:39:18
L2512370-05H	23	Unknown	?	0.0033	1	1	1	0.0214		2025-03-06T09:40:24
L2512085-03B	24	Unknown	?	0.0008	1	1	1	0.0024		2025-03-06T09:41:29
L2512030-01A	25	Unknown	?	0.0009	1	1	1	0.0036		2025-03-06T09:42:35
CCV NO3	26	QC	?	0.0002	1	1	1	-0.0019		2025-03-06T09:43:42
CCV NO2	27	QC	1	0.1374	1	1	1	1.0140		2025-03-06T09:44:46
CCB	28	QC	0	0.0003	1	1	1	-0.0012		2025-03-06T09:45:59
spacer	29	Unknown	?	0.0001	1	1	1	-0.0024		2025-03-06T09:58:52
spacer	30	Unknown	?	0.0004	1	1	1	-0.0001		2025-03-06T09:59:13
L2512085-01J	31	Unknown	?	0.0002	1	5	1	-0.0068		2025-03-06T10:00:22
WG2037316-3	32	Unknown	?	0.0001	1	5	1	-0.0124		2025-03-06T10:01:34

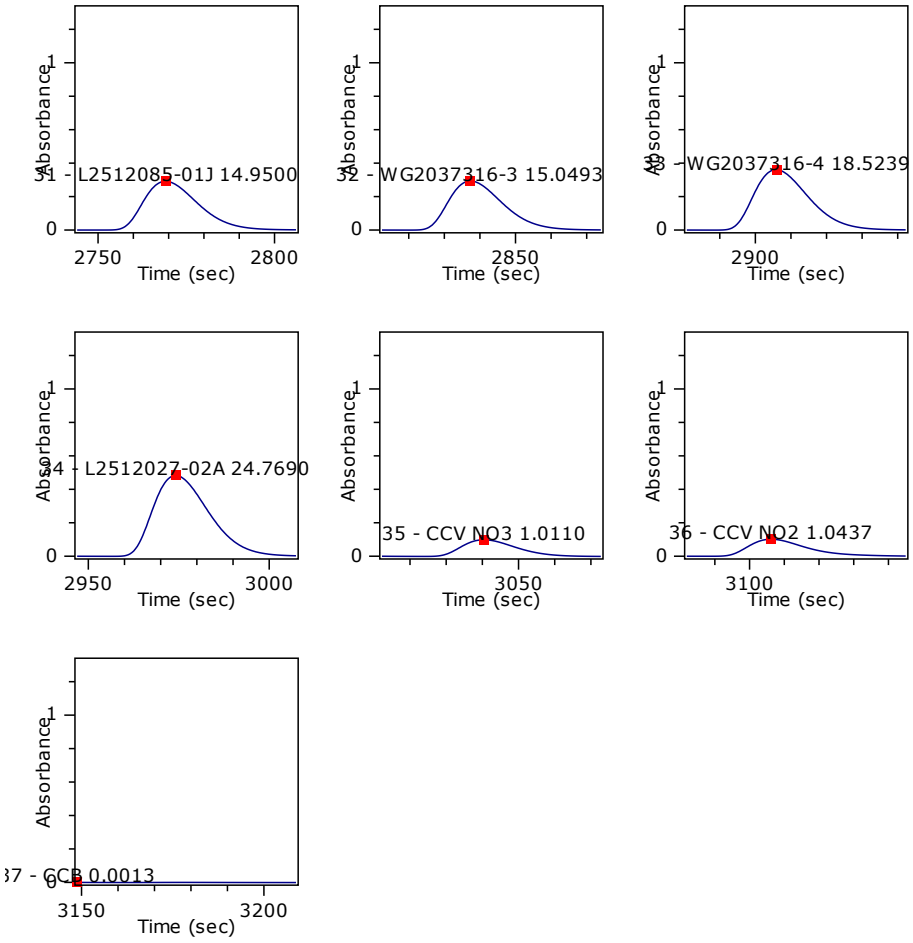
Name	Inj. No.	Type	Known Conc. mg/L	Response	MDF	ADF	Weight	Calc. Conc. mg/L	Flags	Time
WG2037316-4	33	Unknown	?	0.0001	1	5	1	-0.0114		2025-03-06T10:02:46
L2512027-02A	34	Unknown	?	0.0162	1	5	1	0.5824		2025-03-06T10:03:47
CCV NO3	35	QC	?	0.0001	1	1	1	-0.0022		2025-03-06T10:04:53
CCV NO2	36	QC	1	0.1369	1	1	1	1.0104		2025-03-06T10:05:58
CCB	37	QC	0	0.0003	1	1	1	-0.0012		2025-03-06T10:07:09

Peaks:

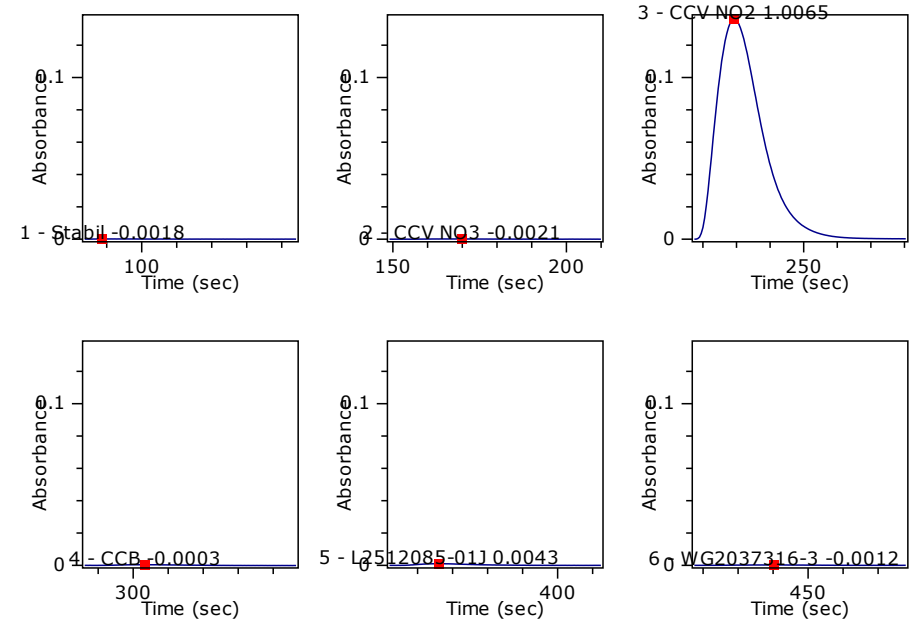
Channel: 1-NOx

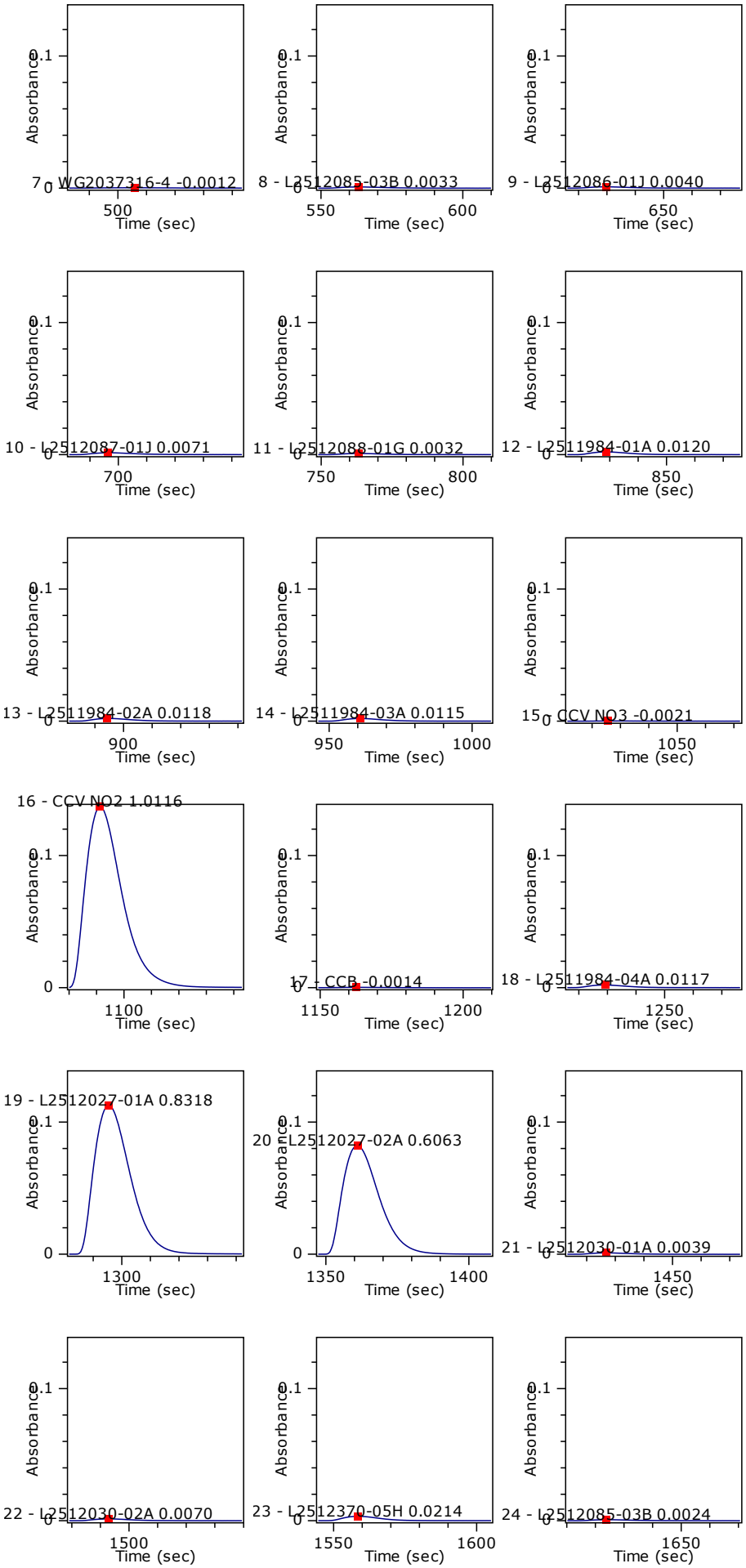


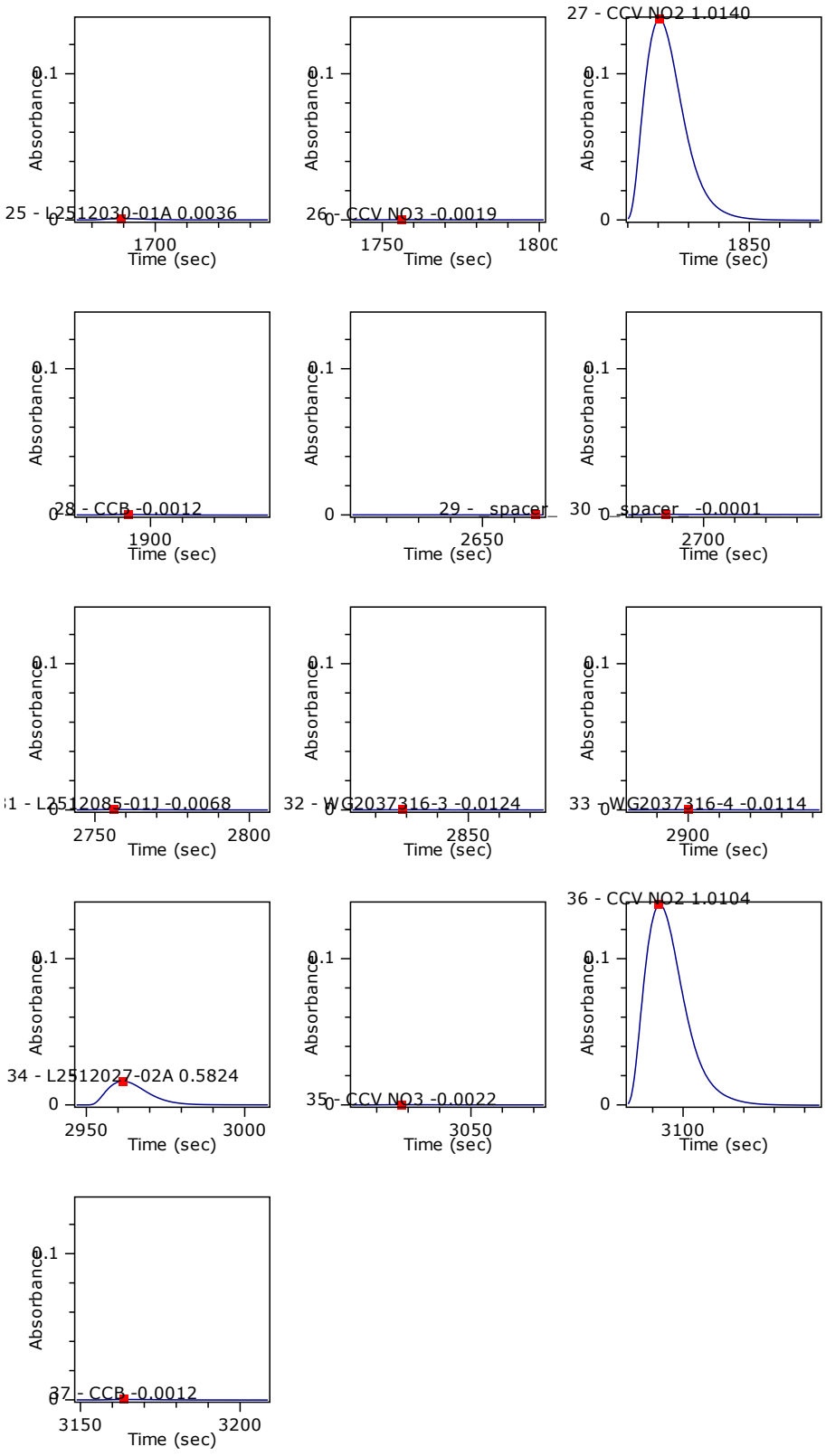

13 - L2511984-02A 0.2161
14 - L2511984-03A 0.1989
15 - CCV NO3 1.0231
16 - CCV NO2 1.0467
17 - CCB 0.0042
18 - L2511984-04A 0.2178
19 - L2512027-01A 0.8561
20 - L2512027-02A 13.616
2512030-01A -0.0028
22 - L2512030-02A 0.0127
23 - L2512370-05H 0.0463
24 - L2512085-03B 2.2468
25 - L2512030-01A 0.0043
26 - CCV NO3 1.0179
27 - CCV NO2 1.0451
28 - CCB 0.0028
29 - spacer 0.0024
30 - spacer 0.0099
Absorbance
Time (sec)



Channel: 2-NO2




7 - WG2037316-4 -0.0012
8 - L2512085-03B 0.0033
9 - L2512086-01J 0.0040
10 - L2512087-01J 0.0071
11 - L2512088-01G 0.0032
12 - L2511984-01A 0.0120
13 - L2511984-02A 0.0118
14 - L2511984-03A 0.0115
15 - CCV NO3 -0.0021
16 - CCV NO2 1.0116
17 - CCB -0.0014
18 - L2511984-04A 0.0117
19 - L2512027-01A 0.8318
20 - L2512027-02A 0.6063
21 - L2512030-01A 0.0039
22 - L2512030-02A 0.0070
23 - L2512370-05H 0.0214
24 - L2512085-03B 0.0024
Absorbance
Time (sec)



Data Processing Parameters:

Channel: 1-NOx

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0

Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Channel: 2-NO2

Response parameter	Peak Height
Filter Type	None
Filter Window	3
Enable Peak Window	False
Peak Window Start	0
Peak Window Stop	0
Enable Baseline Correction	False
Enable 2 Point Correction	False
Baseline Start	0
Baseline Stop	0
Point 2 Baseline Start	0
Point 2 Baseline Stop	0
Background Correction	Single Wavelength
Ref Wavelength 1	600
Ref Wavelength 2	0

Method Log:

```
FIAsoft FIAsoft v3.1.10

FIAlyzer Settings
------------
FIAlab1 Serial Number: FIA31428
FIAlab2 Serial Number: FIA31429
Pump: Connected on COM8

Spectrometer Settings
Spectrometer1
------------
Spectrometer Type: tec5
Integration Time: 2.4
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Spectrometer2
------------
Spectrometer Type: tec5
Integration Time: 1.9
Bandwidth: 2
Data Acq Rate: 2
Use Full Spectrum: False
        |---  Low: 500nm
        |--- High: 650nm
Reduce to Boxcar: True

Start Time
------------
2025-03-06T09:14:26

Method
------------
```

```
' Method Script for NOx-NO2

Autosave Data C:\FIAlab\Autosave Data\DateTime
FIAlab Injection Valve Sample Load
Message Cadmium Column on for NOx
FIAlab Peristaltic Pump Clockwise(%) 55

Autosampler Wash
Delay (sec) 2
Next Sample
Delay (sec) 35  'StartDelay2 - Controls initial sample introduction.

FIAlab1 Injection Valve Sample Inject
Autosampler Probe Up
Delay (sec) 2
Autosampler Position (#) Rinse
FIAlab2 Injection Valve Sample Inject
Delay (sec) 15   'StartDelay3 - Should be set equal to LoopDelay3

Autosampler Probe Up
Delay (sec) 5   'StartDelay4 - Should be set equal to LoopDelay4

Loop Start

   Analyte New Sample
   Delay (sec) 1
   Next Sample
   Autosampler Probe Force Down

   Spectrometer Reference Scan
   Spectrometer Absorbance Scanning

   Delay (sec) 3   ' LoopDelay1 - Controls sample transit & loop empty. Controls back baseline.

   FIAlab Injection Valve Sample Load

   Delay (sec) 35   ' LoopDelay2 - Controls sample transit & loop fill. Controls back baseline.

   FIAlab1 Injection Valve Sample Inject
   Autosampler Probe Up
   Delay (sec) 5
   Autosampler Position (#) Rinse
   FIAlab2 Injection Valve Sample Inject

   Delay (sec) 10   ' LoopDelay3 - Controls loop empty & probe rinse time. Inverse controls front baseline.

   Autosampler Probe Up

   Delay (sec) 3   ' LoopDelay4 - Controls loop empty. Inverse controls front baseline.

   Spectrometer Stop Scanning

Loop End

Autosampler Position (#) Rinse
Delay (sec) 20
Autosampler Probe Up
Delay (sec) 30
FIAlab Peristaltic Pump Clockwise(%) 5
Autoexport Report C:\FIAlab\autoreport\NOxNO2\DateTime
Message Run is Complete
```

Method File Location: C:\FIAlab\FIAlab User Files\Methods\Method_NOx+NO2.fia

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037149-4	**MS Analysis Date**	: 03/06/25 04:47
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Nitrogen, Nitrite	ND	4	3.93	98					80-120	20

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037157-4	**MS Analysis Date**	: 03/06/25 04:41
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Nitrogen, Nitrate	0.860	4	4.78	98					83-113	17

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037158-4	**MS Analysis Date**	: 03/06/25 04:41
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Nitrogen, Nitrate/Nitrite	0.86	4	4.8	98					80-120	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 04:39
Dup Sample ID	: WG2037149-3	**DUP Analysis Date**	: 03/06/25 04:45

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrite	ND	ND	NC	20

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 04:39
Dup Sample ID	: WG2037157-3	**DUP Analysis Date**	: 03/06/25 04:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate	0.860	0.856	0	17

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 04:39
Dup Sample ID	: WG2037158-3	**DUP Analysis Date**	: 03/06/25 04:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	0.86	0.86	0	20

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037149-2	**LCS Analysis Date**	: 03/06/25 03:51
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrite	**5.00**	**4.64**	**93.**					**90-110**	**20**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037157-2	**LCS Analysis Date**	: 03/06/25 03:56
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate	**5.00**	**5.00**	**100.**					**90-110**	**17**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037158-2	**LCS Analysis Date**	: 03/06/25 03:56
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	**5.00**	**5.00**	**100.**					**90-110**	**20**

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Created By: Jason Hebert
File: PM11467-1
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WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	6	6	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	17	17	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved

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 the laboratory.

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Created By: Jason Hebert
File: PM11468-1
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	1	0.261	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved
Nitrogen, Nitrite	NONE	1	0.282	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of Nitrogen, Nitrate

Aqueous Samples:
Compute sample N in NO3 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO3+NO2) and Channel 2 (NO2)

$$NO3\ mg/I = (NO3+NO2)\ mg/L - (NO2)\ mg/L$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO3)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:
Compute sample N in NO2 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO2)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO2)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Sequence Logs

Date:	Initals:	Syringe Lot:	Syringe Lot: 20230620
030625	KAF	Filter Lot:	Filter Lot: 18048470A

Injection #	Rack #	Sample ID:	Comments:
19	RA1	ICV NO3 5	*Buffer: NO3NO2_022625_BUFFER*
20	RA2	ICV NO2 5	*Color: NO3NO2_021925_COLOR*
21	RA3	ICV NO3 0.5	*NO3 MS: NO3_021425_200PPM_CAL*
22	RA4	ICV NO2 0.5	*NO2 MS: NO2_021425_200PPM_CAL*
23	RA5	ICB	*ICV NO3 5: NO3_030625_5PPM_ICV*
24	RA6	5X DILUTER CHECK	*ICV NO2 5: NO2_030625_5PPM_ICV*
25	RA7	BLANK NO3	*ICV NO3 0.5: NO3_030625_0.5PPM_ICV*
26	RA8	LCS NO3	*ICV NO2 0.5: NO2_030625_0.5PPM_ICV*
27	RA9	BLANK NO2	
28	RA10	LCS NO2	*OOH*
32	RA11	WG2037148-1; NO2	*DW*
33	RA12	WG2037148-2; NO2	GOING OOH
34	RA13	WG2037149-1; NO2	FIELD BLANK
35	RA14	WG2037149-2; NO2	
36	RA15	WG2037150-1; NO3/316	
37	RA16	WG2037150-2; NO3/316	
38	RA17	WG2037157/158-1; NO3	
39	RA18	WG2037157/158-2; NO3	
40	RA19	WG2037159-1; NO3	
41	RA20	WG2037159-2; NO3	
45	RA21	WG2037160/161-1; CNO3	
46	RA22	WG2037160/161-2; CNO3	
47	RA23	WG2037162-1; CNO3	
48	RA24	WG2037162-2; CNO3	
49	RA25	WG2037164-1; CNO3	
50	RA26	WG2037164-2; CNO3	
51; 137	RA27	L2511631-01	
52; 131	RA28	L2511990-01	
53	RA29	WG2037150-3; NO3	
54	RA30	WG2037150-4; NO3	
58	RA31	WG2037148-3; NO2	
59	RA32	WG2037148-4; NO2	
60	RA33	L2512005-01	
61	RA34	WG2037150-5; NO3	
62	RA35	WG2037150-6; NO3	
63	RA36	L2512005-02	
64	RA37	L2512005-03	
65	RA38	L2512005-04	
66	RA39	L2511986-01	
67	RA40	L2511986-02	
71	RA41	L2511986-03	
72	RA42	L2511986-04	
73	RA43	L2511944-01	

Injection #	Rack #	Sample ID:	Comments:
74	RA44	L2511944-02	
75	RA45	L2511944-03	
76	RA46	L2511944-04	
77	RA47	L2511944-05	
78	RA48	L2511944-06	
79	RA49	WG2037157/158-3; NO3	
80	RA50	WG2037157/158-4; NO3	
84	RA51	WG2037149-3; NO2	
85	RA52	WG2037149-4; NO2	
86	RA53	L2511944-07	
87	RA54	L2511944-08	
88	RA55	L2511944-09	
89	RA56	L2511757-01	
90	RA57	L2511972-16	
91	RA58	L2511972-17	
92	RA59	L2512154-01	
93	RA60	WG2037159-3; NO3	
97	RA61	WG2037159-4; NO3	
98	RA62	L2512154-03	
99	RA63	L2512154-04	
100	RA64	L2512154-06	
101	RA65	L2512168-01	
102	RA66	L2512169-01	
103	RA67	L2512169-02	
104	RA68	L2511932-01	
105	RA69	WG2037162-3; CNO3	
106	RA70	WG2037162-4; CNO3	
110	RA71	L2511932-02	
111	RA72	L2512270-01	
112	RA73	L2512270-02	
113	RA74	L2512284-01	
114	RA75	L2512284-02	
115	RA76	L2512289-01	
116	RA77	L2512291-01	
117	RA78	L2512291-02	
118	RA79	L2512293-01	
119	RA80	L2512293-02	
123	RA81	L2512294-01	
124	RA82	L2512294-02	
125	RA83	L2512296-01	
126	RA84	L2512296-02	
127	RA85	L2512298-01	
128	RA86	L2512298-02	
129	RA87	L2512299-01	
130	RA88	L2512299-02	

Injection #	Rack #	Sample ID:	Comments:
5	RA89	L2511919-01	
6	RA90	WG2037164-3; CNO3	
7	RB1	WG2037164-4; CNO3	
8	RB2	L2511919-02	
9	RB3	L2511919-04	
10	RB4	L2511919-05	
11	RB5	L2511919-07	
12	RB6	L2511919-08	
13	RB7	L2512280-01	
14	RB8	L2512280-02	
18	RB9	L2512286-01	
19	RB10	L2512286-02	
20; 46	RB11	L2511733-01	
21; 47	RB12	WG2037160-3; CNO3	
22; 48	RB13	WG2037160-4; CNO3	
23; 39	RB14	L2511745-01	
24; 49	RB15	L2511959-01	
25; 40	RB16	L2511963-01	
26	RB17	WG2037161-3; CNO3	
27	RB18	WG2037161-4; CNO3	
31	RB19	L2511963-02	
32	RB20	L2511963-03	
33	RB21	L2511963-04	
34	RB22	L2511963-05	
35	RB23	L2511963-06	
36	RB24	L2511963-07	
37	RB25	L2511963-08	
38	RB26	L2512235-02H	
5; 31	RB27	L2512085-01	
6; 32	RB28	WG2037316-3; NO3	
7; 33	RB29	WG2037316-4; NO3	
8; 24	RB30	L2512085-03	
9	RB31	L2512086-01	
10	RB32	L2512087-01	
11	RB33	L2512088-01	
12	RB34	L2511984-01A	
13	RB35	L2511984-02A	
14	RB36	L2511984-03A	
18	RB37	L2511984-04A	
19	RB38	L2512027-01A	
20	RB39	L2512027-02A	
21; 25	RB40	L2512030-01A	
22	RB41	L2512030-02A	
23	RB42	L2512370-05H	

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	100	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	54.	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	100	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	320	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	94.	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	100	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	75.	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-08	Date Collected	:	03/04/25 12:00
Client ID	:	DUP_03042025	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 03:39
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2037180.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	89.	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-09	Date Collected	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 03:39
Sample Matrix	:	Equipment Blank	Dilution Factor	:	1
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2037180.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	ND	10	3.1	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037180-1	**Date Collected**	: NA
Client ID	: WG2037180-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 03:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2037180.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	ND	10	3.1	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037180-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 03:39
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2037180.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	110	13	4.0	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	WG2037180-4	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2DUP	**Date Received**	:	03/04/25
Sample Location	:		**Date Analyzed**	:	03/06/25 03:39
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2037180.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	75.	13	4.0	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: MAR-07-25 14:19:27

WorkGroup	WG2037180	**Temp In (C)**	180	**Temp In (C)**	180	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**					
Title	Solids, Total Dissolved	**Temp Out (C)**	180	**Temp Out (C)**	180	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**					
Method	SM2540C	**Time In**	07-MAR-25 08:15	**Time In**	07-MAR-25 11:05	**Time In**		**Time In**		**Time In**					
Instrument	BALANCE#22	**Time Out**	07-MAR-25 10:14	**Time Out**	07-MAR-25 13:27	**Time Out**		**Time Out**		**Time Out**					
		Evaporation	**Temp In (C)** 90	**Time In** 06-MAR-25 07:41								**LCS Lot #** 012925D	**TrueValue** 500	**Units** mg/l	

Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment
L2511799-11	06-MAR-25 03:39	DEB WHELAN	C1	77340422	63.6156	80	63.6416	63.6413				321.25	1.3	
L2511799-12	06-MAR-25 03:39	DEB WHELAN	C3	77340422	64.5665	80	64.572	64.5718				66.25	1.3	
L2511799-13	06-MAR-25 03:39	DEB WHELAN	K1	77340422	70.7121	80	70.7245	70.7242				151.25	1.3	
L2511799-14	06-MAR-25 03:39	DEB WHELAN	C7	77340422	64.0321	80	64.0393	64.0395				90.00	1.3	
L2511799-15	06-MAR-25 03:39	DEB WHELAN	C2	77340422	68.1075	80	68.1143	68.1146				85.00	1.3	
L2511897-03	06-MAR-25 03:39	DEB WHELAN	C8	77340422	65.539	80	65.5513	65.5516				153.75	1.3	
L2511897-04	06-MAR-25 03:39	DEB WHELAN	R11	77340422	63.4952	80	63.5075	63.5075				153.75	1.3	
L2511897-05	06-MAR-25 03:39	DEB WHELAN	K7	77340422	63.255	80	63.4447	63.4447				2371.25	1.3	
L2511897-06	06-MAR-25 03:39	DEB WHELAN	R2	77340422	62.0715	80	62.1767	62.1768				1315.00	1.3	T4
L2511897-08	06-MAR-25 03:39	DEB WHELAN	A2	77340422	65.0554	80	65.1543	65.1539				1231.25	1.3	
L2511897-12	06-MAR-25 03:39	DEB WHELAN	R3	77340422	78.0285	80	78.1083	78.1085				997.50	1.3	
L2511944-01	06-MAR-25 03:39	DEB WHELAN	R8	77340422	73.1199	80	73.128	73.1279				100.00	1.3	
L2511944-02	06-MAR-25 03:39	DEB WHELAN	R7	77340422	71.7754	80	71.7798	71.7797				53.75	1.3	
L2511944-03	06-MAR-25 03:39	DEB WHELAN	R5	77340422	63.3617	80	63.37	63.3702				103.75	1.3	
L2511944-04	06-MAR-25 03:39	DEB WHELAN	K11	77340422	60.9613	80	60.9872	60.987				321.25	1.3	
L2511944-05	06-MAR-25 03:39	DEB WHELAN	V4	77340422	66.5627	80	66.5702	66.5704				93.75	1.3	
L2511944-06	06-MAR-25 03:39	DEB WHELAN	R1	77340422	70.5413	80	70.5499	70.5497				105.00	1.3	
L2511944-07	06-MAR-25 03:39	DEB WHELAN	K6	77340422	60.7821	80	60.7881	60.7883				75.00	1.3	
L2511944-08	06-MAR-25 03:39	DEB WHELAN	K2	77340422	63.0088	80	63.0159	63.0163				88.75	1.3	
L2511944-09	06-MAR-25 03:39	DEB WHELAN	V3	77340422	62.5599	100	62.5603	62.5599				0.00	1	EB
WG2037180-1	06-MAR-25 03:39	DEB WHELAN	C6	77340422	68.8982	100	68.8976	68.8975				-7.00	1	T3
WG2037180-2	06-MAR-25 03:39	DEB WHELAN	K12	77340422	61.5564	50	61.5804	61.5806				480.00	2	
WG2037180-3	06-MAR-25 03:39	DEB WHELAN	C4	77340422	65.8266	80	65.8353	65.8354				108.75	1.3	

Wet Chemistry Gravimetric ELN

Printed: MAR-07-25 14:19:27

WorkGroup	WG2037180	**Temp In (C)**	180	**Temp In (C)**	180	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**			
Title	Solids, Total Dissolved	**Temp Out (C)**	180	**Temp Out (C)**	180	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**			
Method	SM2540C	**Time In**	07-MAR-25 08:15	**Time In**	07-MAR-25 11:05	**Time In**		**Time In**		**Time In**			
Instrument	BALANCE#22	**Time Out**	07-MAR-25 10:14	**Time Out**	07-MAR-25 13:27	**Time Out**		**Time Out**		**Time Out**			
		Temp In (C)	**Time In**							**LCS Lot #**	**TrueValue**	**Units**	
		90	06-MAR-25 07:41							012925D	500	mg/l	

Sample #	Analysis Date	Analyst	Cup ID			Sample Volume (ml)				Result mg/L	Dil	Comment
WG2037180-4	06-MAR-25 03:39	DEB WHELAN	R10	77340422	66.8219	80	66.8279	66.8282		75.00	1.3	

Quality Control

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 03:39
Dup Sample ID	: WG2037180-3	**DUP Analysis Date**	: 03/06/25 03:39

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	100	110	10	10

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-10R2	**Matrix**	: WATER
Lab Sample ID	: L2511944-07	**Analysis Date**	: 03/06/25 03:39
Dup Sample ID	: WG2037180-4	**DUP Analysis Date**	: 03/06/25 03:39

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	75.	75.	0	10

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037180-2	**LCS Analysis Date**	: 03/06/25 03:39
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Solids, Total Dissolved	**500.**	**480.**	**96.**					**80-120**	**10**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Solids, Total Dissolved	NONE	10	3.07	mg/l	80-120			10	10	2540C	7 days	1 - Plastic 500ml unpreserved

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 the laboratory.

Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)
B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	7.9	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	4.5	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	21.	10	1.4	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	40.	10	1.4	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	11.	10	1.4	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	9.1	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	15.	10	1.4	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	9.5	10	1.4	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 12:50
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2038583.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.0	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038583-1	**Date Collected**	: NA
Client ID	: WG2038583-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 12:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2038583.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.0	10	1.4	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038583-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/10/25 12:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2038583.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	9.8	10	1.4	J

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;R-4295
LCS;R-4296

Sample Number: _____ **Product: SO4-4500** **Reagent;lot A4320**
Curve Calibration Date : 03/10/25
Client: _____ **Curve Identifier:** 3/10/2025
Analysis: Sulfate, SO4 **Analysis Analyte: Sulfate**
Method: SM 4500SO4-E **Analysis Date:** 3/10/2025 12:50
Instrument: SPEC6 **Preparation Date:** 3/10/2025 12:50
Wavelength: 420 nm **Technician:** MRW
Spike Volume(ml): 0.5 **Work group:** WG2038583
Spike Concentration (mg/l): 1000 **RL: 10 mg/l**
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.70
10	0.138	1.0	8.42
20	0.355	1.0	19.0
40	0.806	1.0	40.9

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.020557	-0.035

Correlation Coefficient
0.995857

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	1.978	1	1.0	2.0	**Recovery**
	ICV	25	25	0	0.371	0.371	19.731	1	1.0	19.7	99%
	L2511529-01	25	25	0.056	0.601	0.545	28.125	1	1.0	28.1	
SAMP	L2511919-01	25	25	0.005	0.246	0.241	13.460	1	1.0	13.5	
SAMP	L2511919-02	25	25	0.002	0.33	0.328	17.657	1	1.0	17.7	
SAMP	L2511919-04	25	25	0.004	0.142	0.138	8.491	1	1.0	8.5	
SAMP	L2511919-05	25	25	0.011	0.296	0.285	15.582	1	1.0	15.6	
SAMP	L2511919-07	25	25	0.002	0.311	0.309	16.740	1	1.0	16.7	
SAMP	L2511919-08	25	25	0.008	0.285	0.277	15.196	1	1.0	15.2	
	L2511944-01	25	25	0.005	0.13	0.125	7.864	1	1.0	7.9	
	CCV1	25	25	0	0.366	0.366	19.490	1	1.0	19.5	
	CCB1	25	25	0	0.004	0.004	2.026	1	1.0	2.0	
	L2511944-02	25	25	0.02	0.076	0.056	4.535	1	1.0	4.5	
	L2511944-03	25	25	0.036	0.431	0.395	20.889	1	1.0	20.9	
	L2511944-04	25	25	0.012	0.798	0.786	39.752	1	1.0	39.8	
	L2511944-05	25	25	0.005	0.204	0.199	11.433	1	1.0	11.4	
	L2511944-06	25	25	0.003	0.153	0.150	9.070	1	1.0	9.1	
	L2511944-07	25	25	0.021	0.295	0.274	15.052	1	1.0	15.1	
	L2511944-08	25	25	0.001	0.159	0.158	9.456	1	1.0	9.5	
	L2511944-09	25	25	0	0.003	0.003	1.978	1	1.0	2.0	
SAMP	L2512325-01	25	25	0.003	0.29	0.287	15.679	1	1.0	15.7	
SAMP	L2512325-03	25	25	0.015	0.18	0.165	9.793	1	1.0	9.8	
	CCV2	25	25	0	0.359	0.359	19.152	1	1.0	19.2	
	CCB2	25	25	0	0.004	0.004	2.026	1	1.0	2.0	
SAMP	L2512325-04	25	25	0.005	0.659	0.654	33.384	1	1.0	33.4	
SAMP	L2512325-05	25	25	0.007	0.289	0.282	15.438	1	1.0	15.4	
	CCV3	25	25	0	0.354	0.354	18.911	1	1.0	18.9	
	CCB3	25	25	0	0.005	0.005	2.074	1	1.0	2.1	
BLANK	WG2038583-1	25	25	0.000	0.003	0.003	1.978	1	1.0	2.0	
DUP	WG2038583-3	25	25	0.002	0.167	0.165	9.793	1	1.0	9.8	**L2511944-06**

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2038583-4	12.5	25	0.002	0.544	0.542	0.000	12.5	40.0000	56	140
											L2511944-06
LCS	WG2038583-2	25	25	0	0.371	0.371		1	20.0000	20	99

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2038583-4	**MS Analysis Date**	: 03/10/25 12:50
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	**9.1J**	**40**	**56.**	**140**					**55-147**	**14**

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/10/25 12:50
Dup Sample ID	: WG2038583-3	**DUP Analysis Date**	: 03/10/25 12:50

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	9.1J	9.8J	NC	14

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2038583-2	**LCS Analysis Date**	: 03/10/25 12:50
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
	True	Found	%R	True	Found	%R	RPD	Recovery	RPD
Parameter	(mg/l)	(mg/l)		(mg/l)	(mg/l)			Limits	Limit
Sulfate	20.0	20.0	100.					90-110	14

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	4500SO4-E	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	9038	28 days	1 - Plastic 500ml unpreserved

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 the laboratory.

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Created By: Jason Hebert
File: PM11468-1
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	100	13.6	mg/kg	80-121	12	22-183	12	12	9038	28 days	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$mgSO_4/L = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:00
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	97.6	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:03
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	24.3	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:05
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	42.3	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:07
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	251.	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:14
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	20.3	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:15
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	57.9	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:20
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	31.1	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:22
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2320B	**Analyst**	:	MKT
Lab File ID	:	250306_CSV.csv	**Instrument ID**	:	TITR5
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	59.4	2.00	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-09	Date Collected	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 11:25
Sample Matrix	:	Equipment Blank	Dilution Factor	:	1
Analytical Method	:	121,2320B	Analyst	:	MKT
Lab File ID	:	250306_CSV.csv	Instrument ID	:	TITR5
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg CaCO3/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037359-1	**Date Collected**	: NA
Client ID	: WG2037359-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 11:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 250306_CSV.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037359-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 11:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MKT
Lab File ID	: 250306_CSV.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-52-3	Alkalinity, Bicarbonate	58.2	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U

Sample Raw Data

Results Editor

Result Overview

Sample start t	Zero poin	Unit of Ze	Data marl	Slope 1 (C	Unit of Sl	Data marl	Sensor ty	List of sta	Standard	Comment	Temperat
	7.140	pH		-57.14	mV/pH						

Results Editor

LabX

Result Overview

Sample ID1	Potentia	Unit of P	Data ma	Sample start	Volume	Unit of V	Density [	Unit of D	Cor	Uni	Tempera	Unit of T	Commer
--	7.05	pH		3/6/2025 7:	0	mL	1.0	g/mL	1.0		25.0	°C	

Titration report

Method

Method ID	Alk Total (2)	**Release state**	Released
Name	EP/EP	**Modified by**	SystemInternal
Modified on	10/14/2023 11:44:43 AM		

Summary

Samples

	Sample ID	Name	Result	State
1	Rinse,MKT	Sample size	50 mL	
		Potential R4	6.74 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.034 mL	OK
		Consumption 4.2 R3	1.038 mL	OK
		Content R5	20.680 mg/L	OK
		ALK LOW R6	20.600 mg/L	OK
2	Rinse,MKT	Sample size	50 mL	
		Potential R4	4.81 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.018 mL	OK
		Consumption 4.2 R3	0.025 mL	OK
		Content R5	0.360 mg/L	OK
		ALK LOW R6	0.220 mg/L	OK
3	WG2037241-1	Sample size	50 mL	
		Potential R4	4.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.002 mL	OK
		Consumption 4.2 R3	0.011 mL	OK
		Content R5	0.040 mg/L	OK
		ALK LOW R6	-0.140 mg/L	OK
4	WG2037241-2	Sample size	50 mL	
		Potential R4	10.52 pH	OK
		Consumption 8.3 R1	4.647 mL	OK
		Consumption 4.5 R2	5.028 mL	OK
		Consumption 4.2 R3	5.034 mL	OK
		Content R5	100.560 mg/L	OK
		ALK LOW R6	100.440 mg/L	OK
5	I2512005-01	Sample size	50 mL	
		Potential R4	5.03 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
6	WG2037241-3	Sample size	50 mL	

Titration report

		Potential R4	5.79 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.464 mL	OK
		Consumption 4.2 R3	2.510 mL	OK
		Content R5	49.280 mg/L	OK
		ALK LOW R6	48.360 mg/L	OK
7	WG2037241-4	Sample size	50 mL	
		Potential R4	9.23 pH	OK
		Consumption 8.3 R1	3.106 mL	OK
		Consumption 4.5 R2	7.912 mL	OK
		Consumption 4.2 R3	7.931 mL	OK
		Content R5	158.240 mg/L	OK
		ALK LOW R6	157.860 mg/L	OK
8	I2512005-02	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.183 mL	OK
		Consumption 4.2 R3	2.228 mL	OK
		Content R5	43.660 mg/L	OK
		ALK LOW R6	42.760 mg/L	OK
9	I2512005-03	Sample size	50 mL	
		Potential R4	5.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.769 mL	OK
		Consumption 4.2 R3	2.826 mL	OK
		Content R5	55.380 mg/L	OK
		ALK LOW R6	54.240 mg/L	OK
10	I2512005-04	Sample size	50 mL	
		Potential R4	5.98 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.834 mL	OK
		Consumption 4.2 R3	4.882 mL	OK
		Content R5	96.680 mg/L	OK
		ALK LOW R6	95.720 mg/L	OK
11	I2512005-01	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.587 mL	OK
		Consumption 4.2 R3	2.628 mL	OK
		Content R5	51.740 mg/L	OK
		ALK LOW R6	50.920 mg/L	OK
12	I2511497-01	Sample size	50 mL	
		Potential R4	5.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.472 mL	OK
		Consumption 4.2 R3	2.529 mL	OK
		Content R5	49.440 mg/L	OK

Titration report

		ALK LOW R6	48.300 mg/L	OK
13	I2511497-11	Sample size	50 mL	
		Potential R4	5.41 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.986 mL	OK
		Consumption 4.2 R3	2.043 mL	OK
		Content R5	39.720 mg/L	OK
		ALK LOW R6	38.580 mg/L	OK
14	I2511497-12	Sample size	50 mL	
		Potential R4	5.21 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.801 mL	OK
		Consumption 4.2 R3	0.849 mL	OK
		Content R5	16.020 mg/L	OK
		ALK LOW R6	15.060 mg/L	OK
15	I2511497-13	Sample size	50 mL	
		Potential R4	5.44 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.646 mL	OK
		Consumption 4.2 R3	2.714 mL	OK
		Content R5	52.920 mg/L	OK
		ALK LOW R6	51.560 mg/L	OK
16	I2511497-14	Sample size	50 mL	
		Potential R4	5.49 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.963 mL	OK
		Consumption 4.2 R3	2.013 mL	OK
		Content R5	39.260 mg/L	OK
		ALK LOW R6	38.260 mg/L	OK
17	I2511509-01	Sample size	50 mL	
		Potential R4	5.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.880 mL	OK
		Consumption 4.2 R3	0.907 mL	OK
		Content R5	17.600 mg/L	OK
		ALK LOW R6	17.060 mg/L	OK
18	I2511509-02	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.556 mL	OK
		Consumption 4.2 R3	0.581 mL	OK
		Content R5	11.120 mg/L	OK
		ALK LOW R6	10.620 mg/L	OK
19	I2511533-01	Sample size	50 mL	
		Potential R4	5.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.744 mL	OK

Titration report

		Consumption 4.2 R3	1.772 mL	OK
		Content R5	34.880 mg/L	OK
		ALK LOW R6	34.320 mg/L	OK
20	WG2037287-3	Sample size	50 mL	
		Potential R4	5.45 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.729 mL	OK
		Consumption 4.2 R3	1.757 mL	OK
		Content R5	34.580 mg/L	OK
		ALK LOW R6	34.020 mg/L	OK
21	WG2037287-4	Sample size	50 mL	
		Potential R4	10.40 pH	OK
		Consumption 8.3 R1	5.992 mL	OK
		Consumption 4.5 R2	7.376 mL	OK
		Consumption 4.2 R3	7.384 mL	OK
		Content R5	147.520 mg/L	OK
		ALK LOW R6	147.360 mg/L	OK
22	I2511799-01	Sample size	50 mL	
		Potential R4	5.93 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
23	I2511799-02	Sample size	50 mL	
		Potential R4	6.23 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.232 mL	OK
		Consumption 4.2 R3	6.296 mL	OK
		Content R5	124.640 mg/L	OK
		ALK LOW R6	123.360 mg/L	OK
24	I2511799-03	Sample size	50 mL	
		Potential R4	5.60 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.591 mL	OK
		Consumption 4.2 R3	3.651 mL	OK
		Content R5	71.820 mg/L	OK
		ALK LOW R6	70.620 mg/L	OK
25	I2511799-04	Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.873 mL	OK
		Consumption 4.2 R3	1.916 mL	OK
		Content R5	37.460 mg/L	OK
		ALK LOW R6	36.600 mg/L	OK
26	I2511799-10	Sample size	50 mL	
		Potential R4	5.63 pH	OK

Titration report

LabX

		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.514 mL	OK
		Consumption 4.2 R3	3.571 mL	OK
		Content R5	70.280 mg/L	OK
		ALK LOW R6	69.140 mg/L	OK
27	I2511799-11	Sample size	50 mL	
		Potential R4	5.53 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.658 mL	OK
		Consumption 4.2 R3	2.727 mL	OK
		Content R5	53.160 mg/L	OK
		ALK LOW R6	51.780 mg/L	OK
28	I2511799-12	Sample size	50 mL	
		Potential R4	5.19 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.715 mL	OK
		Consumption 4.2 R3	0.761 mL	OK
		Content R5	14.300 mg/L	OK
		ALK LOW R6	13.380 mg/L	OK
29	I2511799-13	Sample size	50 mL	
		Potential R4	5.34 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.364 mL	OK
		Consumption 4.2 R3	1.397 mL	OK
		Content R5	27.280 mg/L	OK
		ALK LOW R6	26.620 mg/L	OK
30	I2511799-14	Sample size	50 mL	
		Potential R4	5.34 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.124 mL	OK
		Consumption 4.2 R3	1.146 mL	OK
		Content R5	22.480 mg/L	OK
		ALK LOW R6	22.040 mg/L	OK
31	I2511799-15	Sample size	50 mL	
		Potential R4	5.33 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.151 mL	OK
		Consumption 4.2 R3	1.172 mL	OK
		Content R5	23.020 mg/L	OK
		ALK LOW R6	22.600 mg/L	OK
32	I2511799-16	Sample size	50 mL	
		Potential R4	5.36 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.119 mL	OK
		Consumption 4.2 R3	1.140 mL	OK
		Content R5	22.380 mg/L	OK
		ALK LOW R6	21.960 mg/L	OK

Titration report

33	I2511799-17	Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.132 mL	OK
		Consumption 4.2 R3	1.150 mL	OK
		Content R5	22.640 mg/L	OK
		ALK LOW R6	22.280 mg/L	OK
34	I2511799-01 2x	Sample size	50 mL	
		Potential R4	5.95 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.361 mL	OK
		Consumption 4.2 R3	11.425 mL	OK
		Content R5	227.220 mg/L	OK
		ALK LOW R6	225.940 mg/L	OK
35	WG2037287-2	Sample size	50 mL	
		Potential R4	10.44 pH	OK
		Consumption 8.3 R1	4.669 mL	OK
		Consumption 4.5 R2	5.018 mL	OK
		Consumption 4.2 R3	5.018 mL	OK
		Content R5	100.360 mg/L	OK
		ALK LOW R6	100.360 mg/L	OK
36	WG2037287-1	Sample size	50 mL	
		Potential R4	4.99 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.026 mL	OK
		Consumption 4.2 R3	0.037 mL	OK
		Content R5	0.520 mg/L	OK
		ALK LOW R6	0.300 mg/L	OK
37	I2511529-01	Sample size	50 mL	
		Potential R4	5.29 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.864 mL	OK
		Consumption 4.2 R3	1.891 mL	OK
		Content R5	37.280 mg/L	OK
		ALK LOW R6	36.740 mg/L	OK
38	I2511919-01	Sample size	50 mL	
		Potential R4	5.52 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.317 mL	OK
		Consumption 4.2 R3	3.342 mL	OK
		Content R5	66.340 mg/L	OK
		ALK LOW R6	65.840 mg/L	OK
39	I2511919-02	Sample size	50 mL	
		Potential R4	5.58 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.290 mL	OK
		Consumption 4.2 R3	3.329 mL	OK

Titration report

		Content R5	65.800 mg/L	OK
		ALK LOW R6	65.020 mg/L	OK
40	I2511919-04	Sample size	50 mL	
		Potential R4	5.65 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.014 mL	OK
		Consumption 4.2 R3	4.055 mL	OK
		Content R5	80.280 mg/L	OK
		ALK LOW R6	79.460 mg/L	OK
41	I2511919-05	Sample size	50 mL	
		Potential R4	5.70 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.862 mL	OK
		Consumption 4.2 R3	3.901 mL	OK
		Content R5	77.240 mg/L	OK
		ALK LOW R6	76.460 mg/L	OK
42	I2511919-07	Sample size	50 mL	
		Potential R4	5.64 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.295 mL	OK
		Consumption 4.2 R3	3.331 mL	OK
		Content R5	65.900 mg/L	OK
		ALK LOW R6	65.180 mg/L	OK
43	I2511919-08	Sample size	50 mL	
		Potential R4	5.61 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.563 mL	OK
		Consumption 4.2 R3	2.586 mL	OK
		Content R5	51.260 mg/L	OK
		ALK LOW R6	50.800 mg/L	OK
44	I2511944-01	Sample size	50 mL	
		Potential R4	5.68 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.879 mL	OK
		Consumption 4.2 R3	4.975 mL	OK
		Content R5	97.580 mg/L	OK
		ALK LOW R6	95.660 mg/L	OK
45	I2511944-02	Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.215 mL	OK
		Consumption 4.2 R3	1.266 mL	OK
		Content R5	24.300 mg/L	OK
		ALK LOW R6	23.280 mg/L	OK
46	I2511944-03	Sample size	50 mL	
		Potential R4	5.58 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report

		Consumption 4.5 R2	2.115 mL	OK
		Consumption 4.2 R3	2.135 mL	OK
		Content R5	42.300 mg/L	OK
		ALK LOW R6	41.900 mg/L	OK
47	I2511944-04	Sample size	50 mL	
		Potential R4	5.92 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.565 mL	OK
		Consumption 4.2 R3	12.753 mL	OK
		Content R5	251.300 mg/L	OK
		ALK LOW R6	247.540 mg/L	OK
48	I2511944-05	Sample size	50 mL	
		Potential R4	5.36 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.015 mL	OK
		Consumption 4.2 R3	1.030 mL	OK
		Content R5	20.300 mg/L	OK
		ALK LOW R6	20.000 mg/L	OK
49	I2511944-06	Sample size	50 mL	
		Potential R4	5.61 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.895 mL	OK
		Consumption 4.2 R3	2.927 mL	OK
		Content R5	57.900 mg/L	OK
		ALK LOW R6	57.260 mg/L	OK
50	WG2037359-3	Sample size	50 mL	
		Potential R4	5.65 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.910 mL	OK
		Consumption 4.2 R3	2.934 mL	OK
		Content R5	58.200 mg/L	OK
		ALK LOW R6	57.720 mg/L	OK
51	I2511944-07	Sample size	50 mL	
		Potential R4	5.46 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.554 mL	OK
		Consumption 4.2 R3	1.579 mL	OK
		Content R5	31.080 mg/L	OK
		ALK LOW R6	30.580 mg/L	OK
52	I2511944-08	Sample size	50 mL	
		Potential R4	5.61 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.968 mL	OK
		Consumption 4.2 R3	3.000 mL	OK
		Content R5	59.360 mg/L	OK
		ALK LOW R6	58.720 mg/L	OK
53	I2511944-09	Sample size	50 mL	

Titration report

		Potential R4	5.00 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.060 mL	OK
		Consumption 4.2 R3	0.090 mL	OK
		Content R5	1.200 mg/L	OK
		ALK LOW R6	0.600 mg/L	OK
54	I2511944-09 CONF	Sample size	50 mL	
		Potential R4	4.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.023 mL	OK
		Consumption 4.2 R3	0.048 mL	OK
		Content R5	0.460 mg/L	OK
		ALK LOW R6	-0.040 mg/L	OK
55	CCV	Sample size	50 mL	
		Potential R4	10.61 pH	OK
		Consumption 8.3 R1	4.719 mL	OK
		Consumption 4.5 R2	5.072 mL	OK
		Consumption 4.2 R3	5.076 mL	OK
		Content R5	101.440 mg/L	OK
		ALK LOW R6	101.360 mg/L	OK
56	WG2037359-1	Sample size	50 mL	
		Potential R4	5.08 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.032 mL	OK
		Consumption 4.2 R3	0.037 mL	OK
		Content R5	0.640 mg/L	OK
		ALK LOW R6	0.540 mg/L	OK

Statistics

R1

Mean	NaN mL		
Maximum	5.992 mL	**Minimum**	3.106 mL
Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	56	**Samples excluded**	0

R2

Mean	NaN mL		
Maximum	12.565 mL	**Minimum**	0.002 mL
Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	56	**Samples excluded**	0

R3

Mean	NaN mL		
Maximum	12.753 mL	**Minimum**	0.011 mL

Titration report

Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	56	**Samples excluded**	0

R4

Mean	5.89 pH		
Maximum	10.61 pH	**Minimum**	4.43 pH
Standard deviation	1.43 pH	**Rel. standard deviation**	24.217 %
Total samples	56	**Samples excluded**	0

R5

Mean	NaN mg/L		
Maximum	251.300 mg/L	**Minimum**	0.040 mg/L
Standard deviation	NaN mg/L	**Rel. standard deviation**	NaN %
Total samples	56	**Samples excluded**	0

R6

Mean	NaN mg/L		
Maximum	247.540 mg/L	**Minimum**	-0.140 mg/L
Standard deviation	NaN mg/L	**Rel. standard deviation**	NaN %
Total samples	56	**Samples excluded**	0

Used Instruments

Name	T7 Excellence Titrator	**Serial number**	C329519495

Responsible User

Time	Login name	Full name
3/6/2025 7:22:06 AM	SystemInternal	System internal account

Quality Control

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 11:15
Dup Sample ID	: WG2037359-3	**DUP Analysis Date**	: 03/06/25 11:18

Parameter	Sample Concentration (mg CaCO3/L)	Duplicate Concentration (mg CaCO3/L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	57.9	58.2	1	9

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Alkalinity, Total	471-34-1	2		mg CaCO3/L	90-110	10	86-116	10	10	2320B	14 days	1 - Plastic 250ml unpreserved/No Headspace

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 the laboratory.

Calculations of Alkalinity

$$\text{Alkalinity, mg } CaCO_3/L = \frac{A \times N \times 50{,}000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

Sequence Logs

CAL	250306	LCS 7.00	7.05	INT:	mkt
pH 4	3484	Titrant:	4298		
pH 7	3386	LCS:	3530		
pH 10	3482	MS:	3529		
LCS	3523				

1	Rinse,MKT	42	l2511919-07
2	Rinse,MKT	43	l2511919-08
3	WG2037241-1	44	l2511944-01
4	WG2037241-2	45	l2511944-02
5	l2512005-01	46	l2511944-03
6	WG2037241-3	47	l2511944-04
7	WG2037241-4	48	l2511944-05
8	l2512005-02	49	l2511944-06
9	l2512005-03	50	WG2037359-3
10	l2512005-04	51	l2511944-07
11	l2512005-01	52	l2511944-08
12	l2511497-01	53	l2511944-09
13	l2511497-11	54	l2511944-09 CONF
14	l2511497-12	55	CCV
15	l2511497-13	56	WG2037359-1
16	l2511497-14		
17	l2511509-01		
18	l2511509-02		
19	l2511533-01		
20	WG2037287-3		
21	WG2037287-4		
22	l2511799-01		
23	l2511799-02		
24	l2511799-03		
25	l2511799-04		
26	l2511799-10		
27	l2511799-11		
28	l2511799-12		
29	l2511799-13		
30	l2511799-14		
31	l2511799-15		
32	l2511799-16		
33	l2511799-17		
34	l2511799-01 2x		
35	WG2037287-2		
36	WG2037287-1		
37	l2511529-01		
38	l2511919-01		
39	l2511919-02		
40	l2511919-04		
41	l2511919-05		

Chloride Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:51
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	4.2	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	7.3	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:14
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	7.2	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:16
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	3.7	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:17
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	26.	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:17
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	9.0	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:20
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	9.9	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:20
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	9.0	1.0	0.89	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 13:21
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	WG2037387-1	**Date Collected**	:	NA
Client ID	:	WG2037387-1BLANK	**Date Received**	:	NA
Sample Location	:		**Date Analyzed**	:	03/06/25 13:00
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	WG2037387-3	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SRDUP	**Date Received**	:	03/04/25
Sample Location	:		**Date Analyzed**	:	03/06/25 13:18
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	JER
Lab File ID	:	CL250306-A1	**Instrument ID**	:	LACHAT3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	8.9	1.0	0.89	

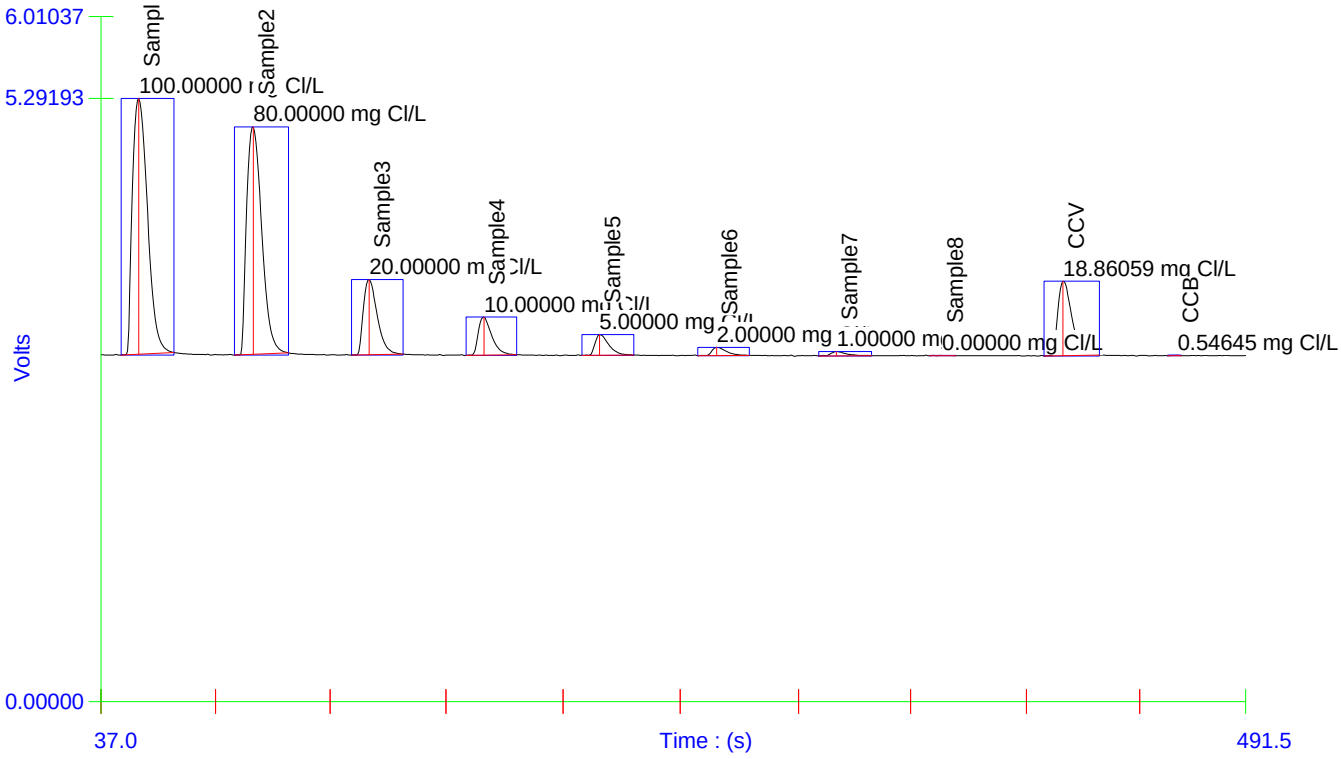
Sample Raw Data

Author: Date : 3/6/2025

Original Run Filename: OM_3-6-2025_12-35-56PM.OMN Created: 3/6/2025 12:35:56 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_3-6-2025_12-35-56PM.OMN Last Modified: 3/6/2025 12:45:50 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.86059			
		Known Conc:	20.00000			
		Calibration:	Table/Fig. : 1			
CCB	1	S9	0.54645			
		Known Conc:	0.00000			
~~ICV 5~~	~~1~~	~~1~~	~~5.81628~~			

Channel 1 (Chloride) - Set: 1 / 2



Author: Date : 3/6/2025

Channel 1 (Chloride) - Set: 2 / 2

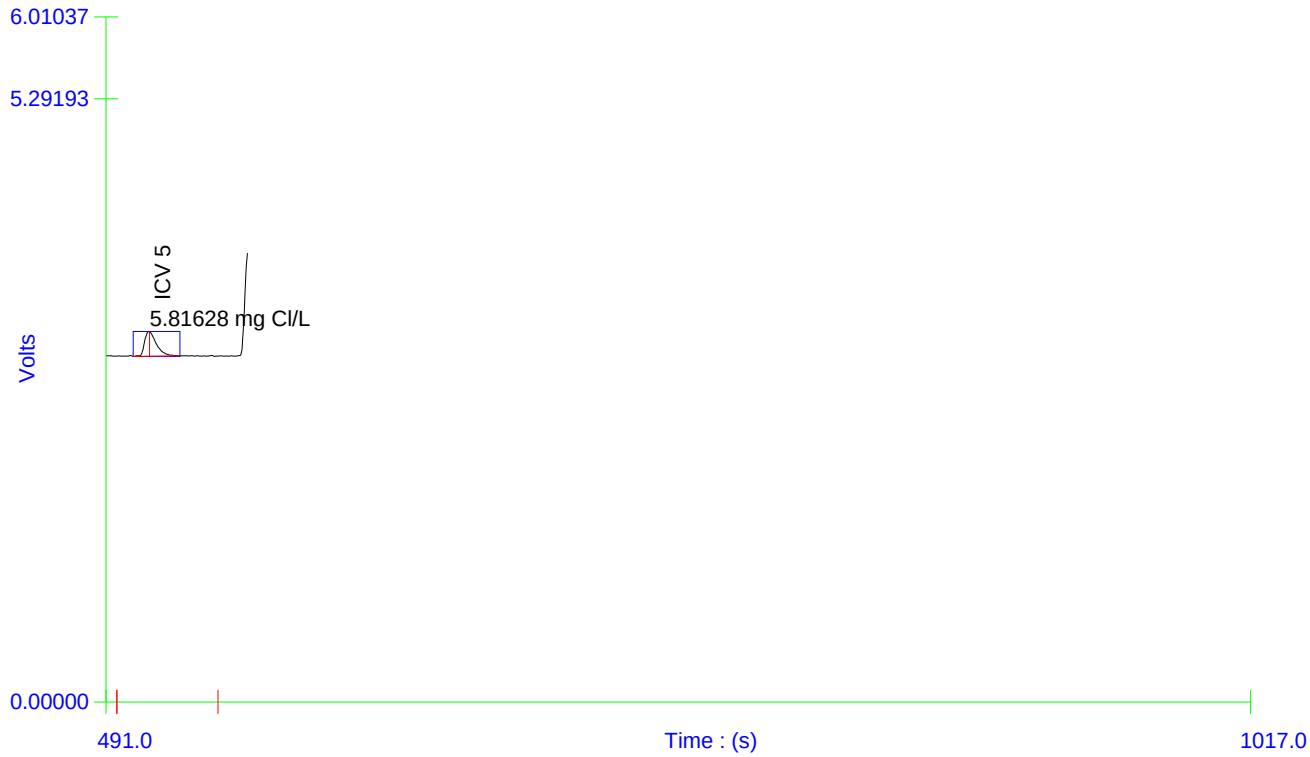
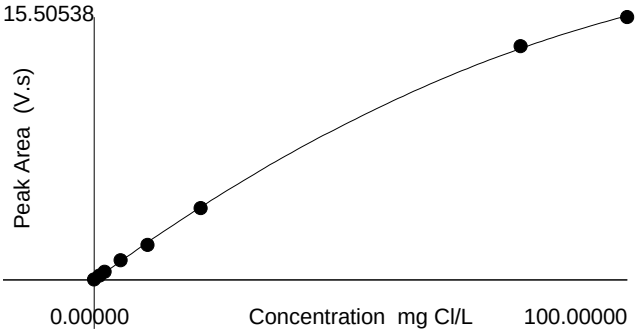


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	15.50538	2.24330	0.0	0.5	97.66862	3/6/2025	12:36:54 PM
2	80.00000	1	13.79842	1.99389	0.0	-1.0	83.05557	3/6/2025	12:37:39 PM
3	20.00000	1	4.23031	0.65901	0.0	1.6	19.08456	3/6/2025	12:38:26 PM
4	10.00000	1	2.06507	0.33305	0.0	6.8	8.83291	3/6/2025	12:39:12 PM
5	5.00000	1	1.15616	0.18270	0.0	-3.6	4.99420	3/6/2025	12:39:58 PM
6	2.00000	1	0.47410	0.07087	0.0	-7.9	2.29405	3/6/2025	12:40:45 PM
7	1.00000	1	0.25868	0.03725	0.0	-22.9	1.47337	3/6/2025	12:41:32 PM
8	0.00000	1	0.02395	0.00376			0.59671	3/6/2025	12:42:17 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00075 * Conc^2 + 0.23094 * Conc - 0.01969
Conc = 0.16630 * Area^2 + 3.68774 * Area + 0.50829
Correlation Coefficient (r) = 0.99989

Weighting : None

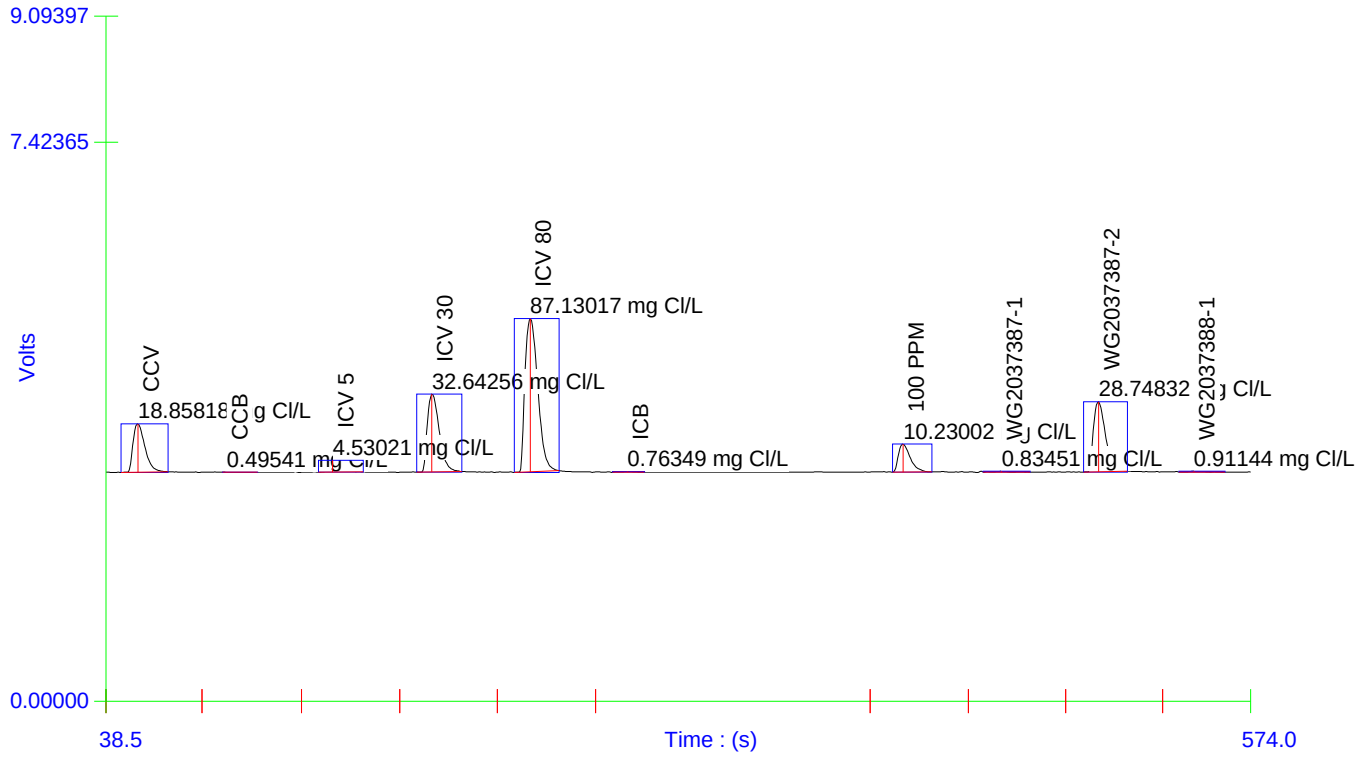
Author: Date : 3/6/2025

Original Run Filename: OM_3-6-2025_12-52-58PM.OMN Created: 3/6/2025 12:52:58 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_3-6-2025_12-52-58PM.OMN Last Modified: 3/6/2025 2:23:25 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight	
CCV	1	S3	18.85818				
	Known Conc:		20.00000				
CCB	1	S9	0.49541				
	Known Conc:		0.00000				
	Calibration:		Table/Fig. : 1				
ICV 5	1	1	4.53021				91%
ICV 30	1	2	32.64256				109%
ICV 80	1	3	87.13017				109%
ICB	1	4	0.76349				
100 PPM	1	5	102.30019	10.00			102%
WG2037387-1	1	6	0.83451				
WG2037387-2	1	7	28.74832				96%
WG2037388-1	1	8	0.91144				
WG2037388-2	1	9	28.97674				97%
L2511849-01	1	10	202.06458	10.00			
CCV	1	S3	19.62331				
	Known Conc:		20.00000				
CCB	1	S9	0.68857				
	Known Conc:		0.00000				
L2511919-01	1	11	15.76169				
L2511919-02	1	12	15.93028				
L2511919-04	1	13	17.33103				
L2511919-05	1	14	16.26915				
L2511919-07	1	15	15.79954				
L2511919-08	1	16	16.74463				
L2511923-01	1	17	134.14854				
L2511944-01	1	18	4.46017				
L2511944-02	1	19	7.29096				
L2511944-03	1	20	7.22386				
CCV	1	S3	19.18294				
	Known Conc:		20.00000				
CCB	1	S9	0.64548				
	Known Conc:		0.00000				
L2511944-04	1	21	3.70930				
L2511944-05	1	22	25.78144				
L2511944-06	1	23	8.98316				
WG2037387-3	1	24	8.89615				
WG2037387-4	1	25	27.81452				
L2511944-07	1	26	9.90212				
L2511944-08	1	27	8.99959				
L2511944-09	1	28	0.68539				
L2512055-01	1	29	335.88010				
L2512055-02	1	30	674.88251	10.00			
CCV	1	S3	18.70061				
	Known Conc:		20.00000				
CCB	1	S9	0.74007				
	Known Conc:		0.00000				
L2512182-01	1	31	426.68549				
L2511893-01	1	32	106.76601				
WG2037388-3	1	33	105.01278				
WG2037388-4	1	34	120.55557				
L2511893-02	1	35	104.22211				
L2511893-03	1	36	165.38358	10.00			
L2511893-04	1	37	0.77321				
L2511963-01	1	38	217.01733	10.00			
L2511963-02	1	39	500.18762	10.00			
L2511963-03	1	40	1670.75623	10.00			
CCV	1	S3	19.48446				

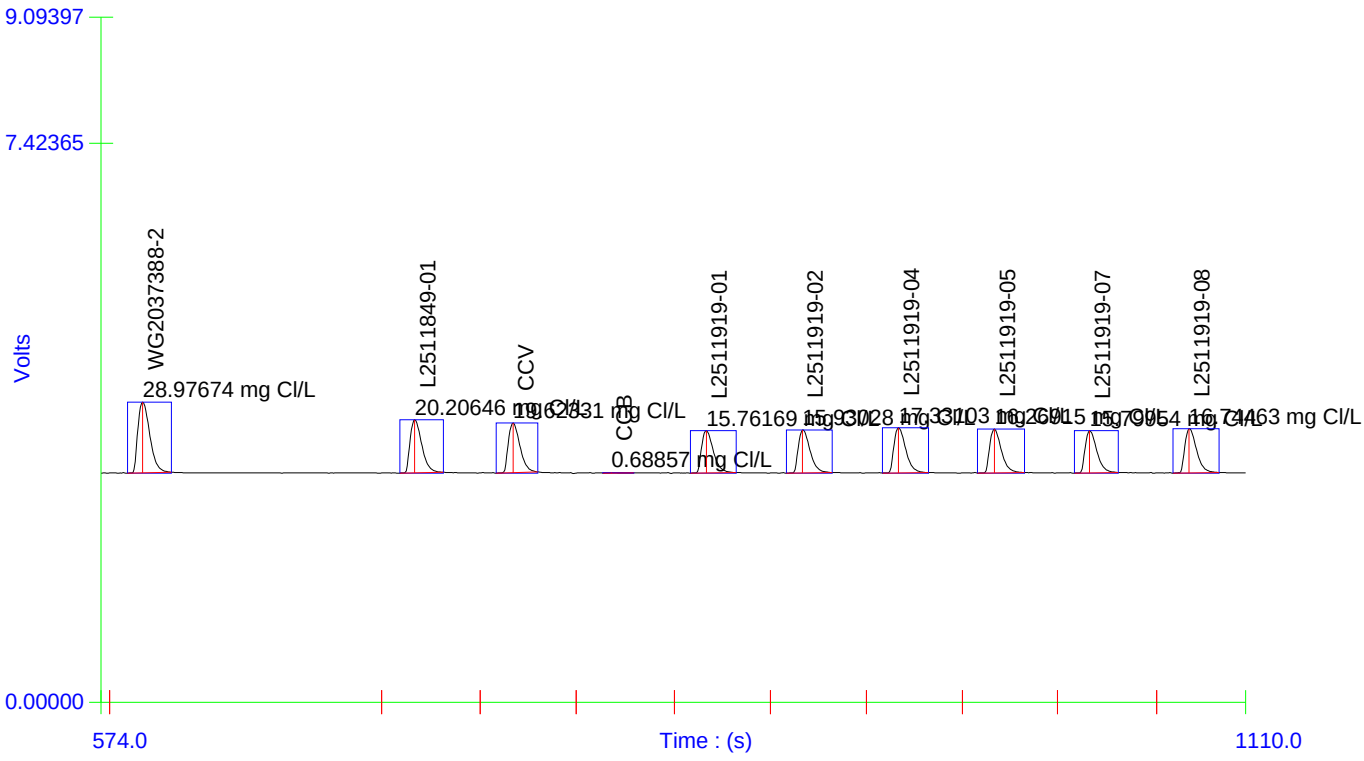
		Known Conc:	20.00000			
CCB	1	S9	0.73472			
		Known Conc:	0.00000			
L2511963-04	1	41	511.88388			
L2511963-05	1	42	95.38625			
L2511963-06	1	43	1733.42529	10.00		
L2511963-07	1	44	3398.09644	100.00		
L2511963-08	1	45	3512.54932	10.00		
L2511923-01	1	17	149.09062	10.00		
L2511944-01	1	18	4.24784			
L2512055-01	1	29	631.80768	10.00		
L2512182-01	1	31	1031.75940	10.00		
L2511893-01	1	32	105.54509	10.00		
CCV	1	S3	19.09030			
		Known Conc:	20.00000			
CCB	1	S9	0.68704			
		Known Conc:	0.00000			
WG2037388-3	1	33	104.49600	10.00		
WG2037388-4	1	34	119.77837	10.00		
L2511893-02	1	35	105.80626	10.00		
L2511963-03	1	40	1721.42273	100.00		
L2511963-04	1	41	1576.54248	10.00		
L2511963-06	1	43	1853.74658	100.00		
L2511963-08	1	45	6211.98193	100.00		
L2511963-05	1	42	90.94215	10.00		
L2512182-01	1	31	972.91858	100.00		
L2511963-04	1	41	1602.44006	100.00		
CCV	1	S3	18.81901			
		Known Conc:	20.00000			
CCB	1	S9	0.66456			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 8



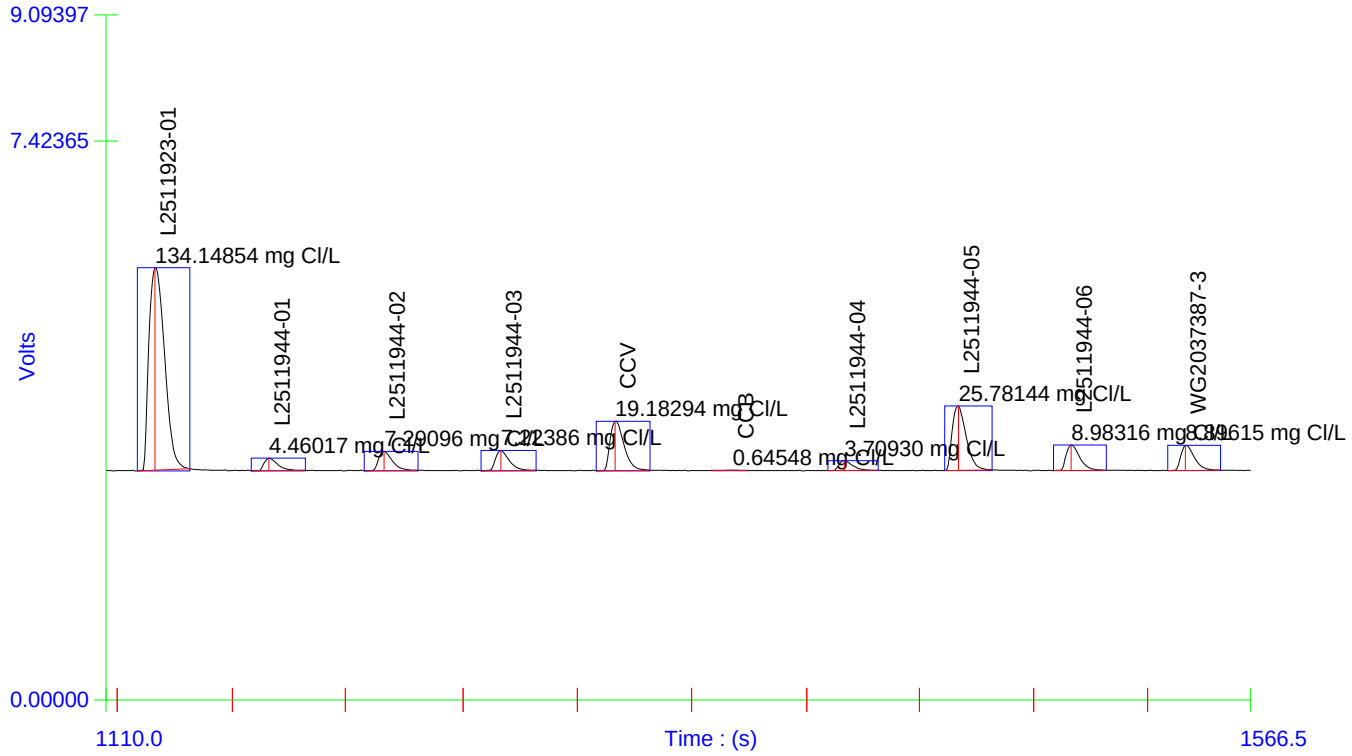
Author: Date : 3/6/2025

Channel 1 (Chloride) - Set: 2 / 8

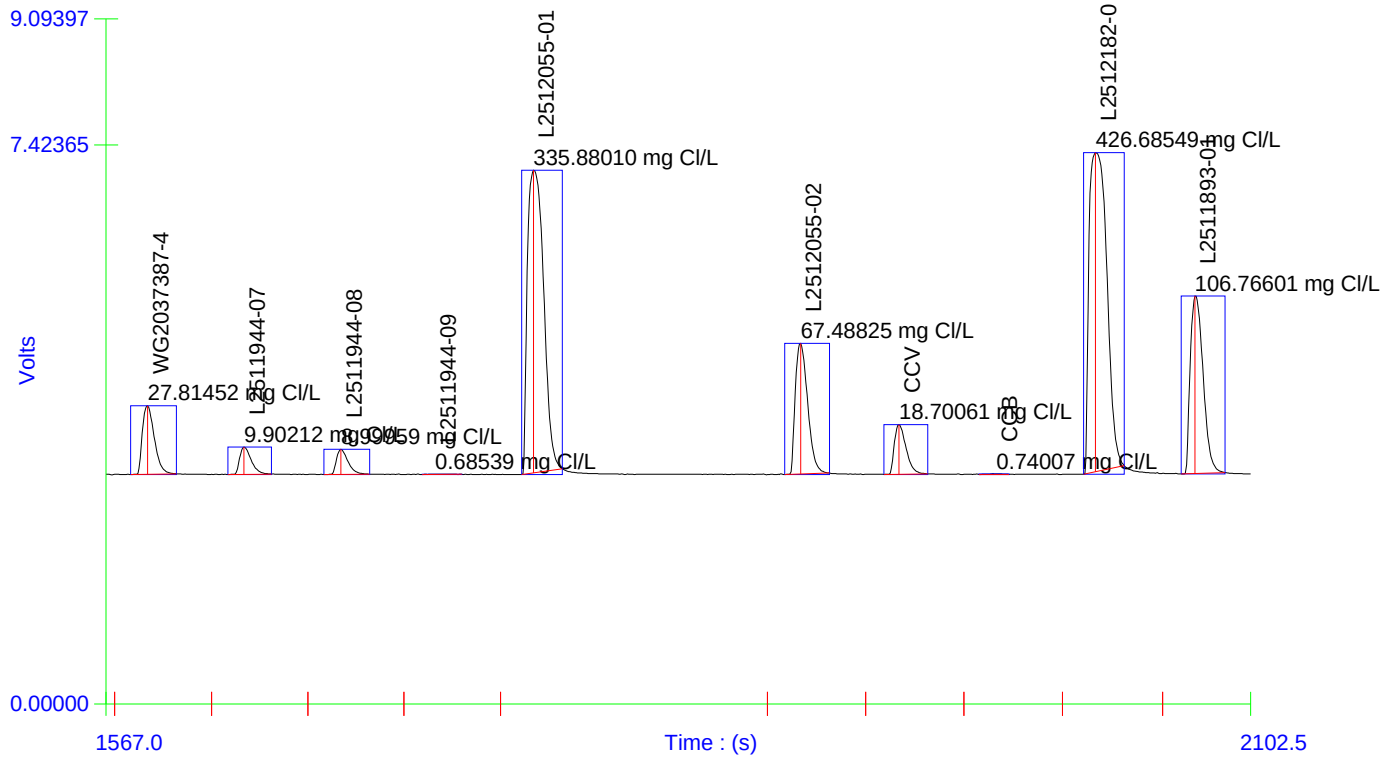


Author: Date : 3/6/2025

Channel 1 (Chloride) - Set: 3 / 8

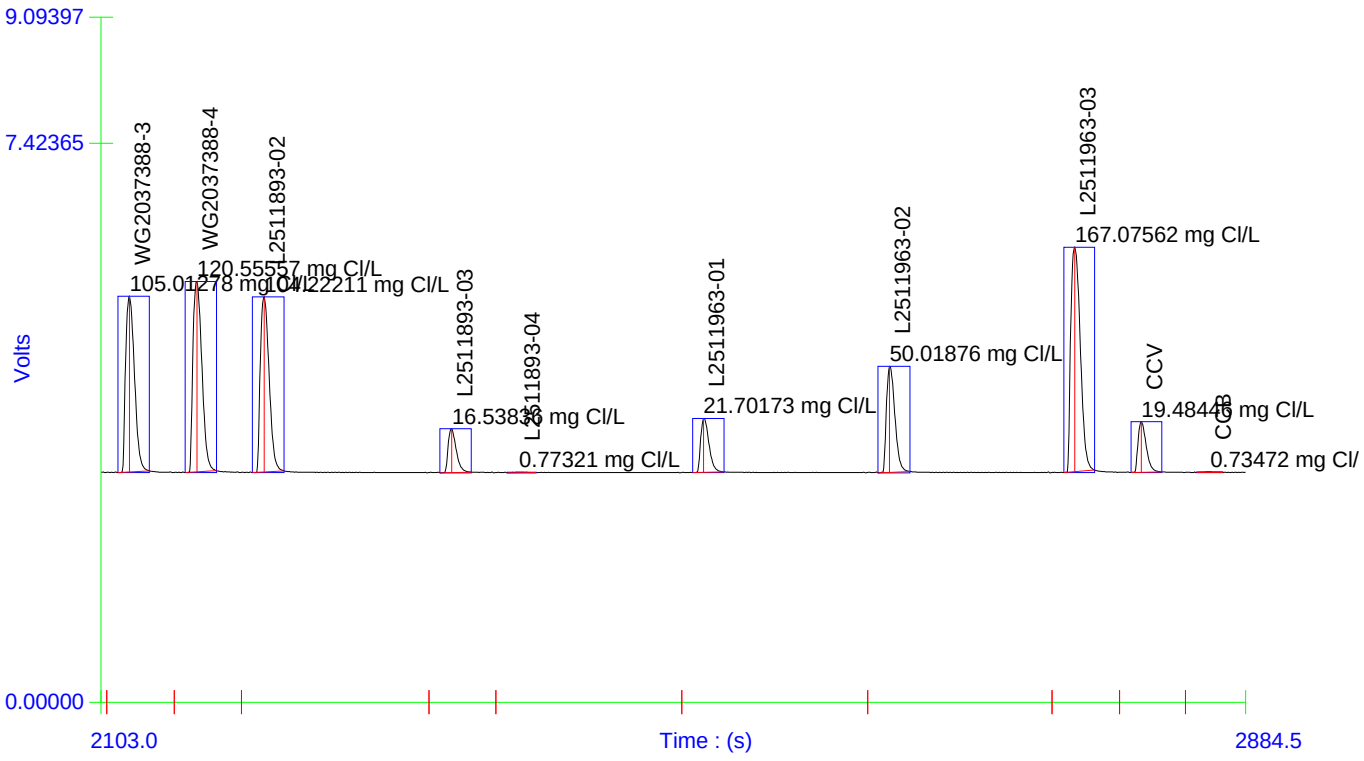


Channel 1 (Chloride) - Set: 4 / 8



Author: Date : 3/6/2025

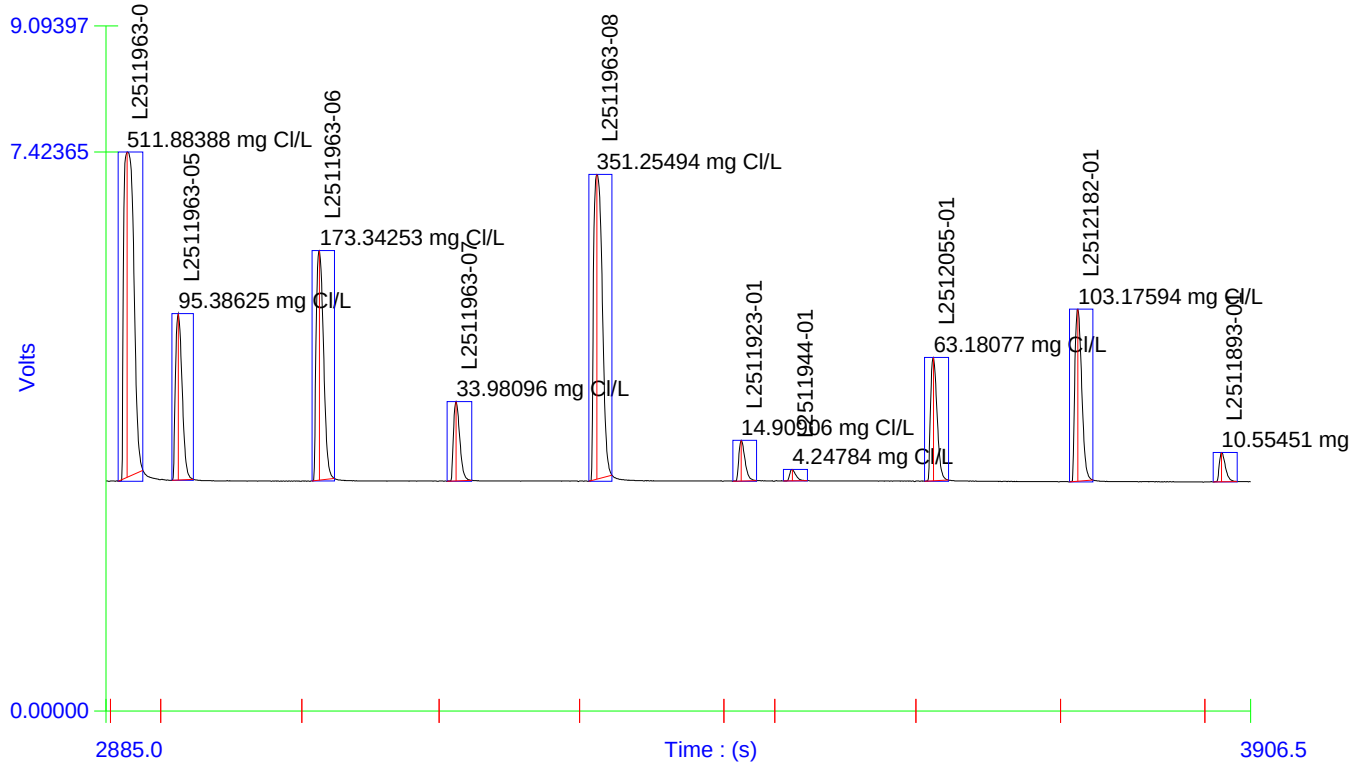
Channel 1 (Chloride) - Set: 5 / 8



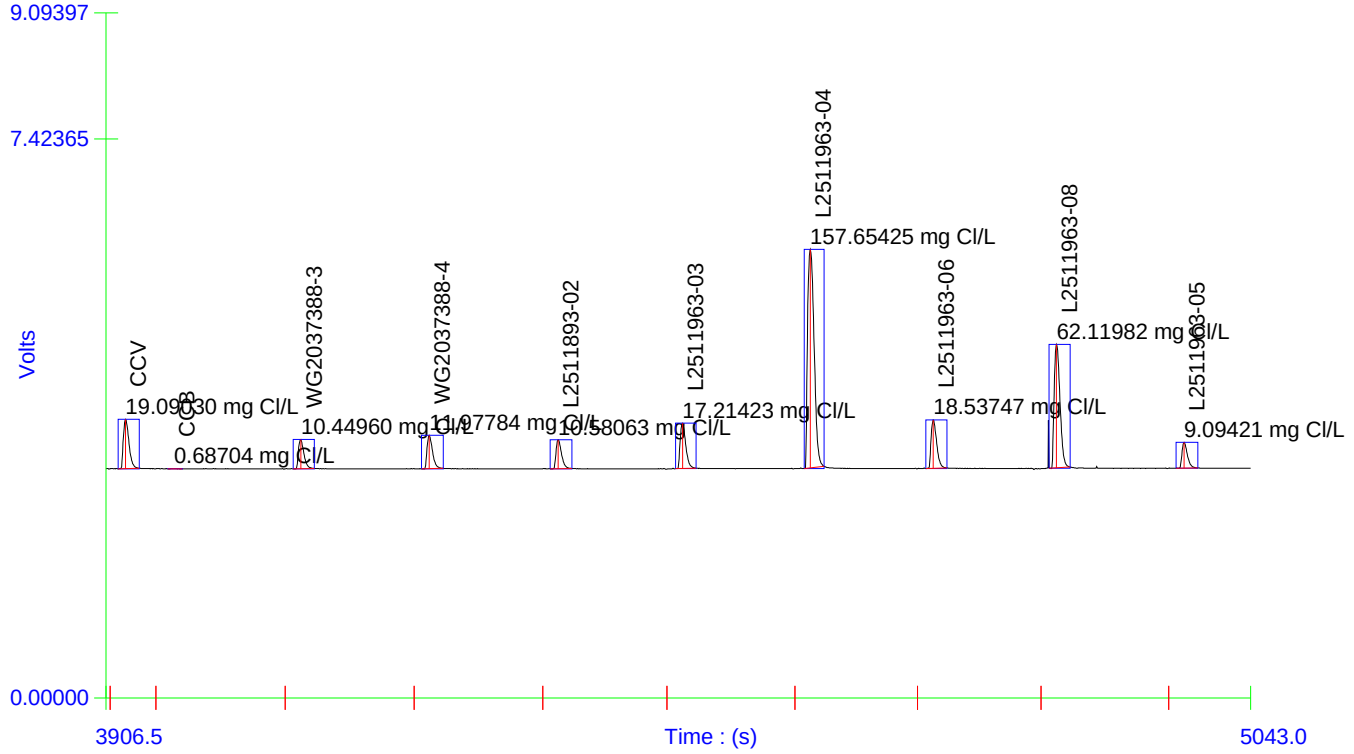
- 5 -

Author: Date : 3/6/2025

Channel 1 (Chloride) - Set: 6 / 8



Channel 1 (Chloride) - Set: 7 / 8



Author: Date : 3/6/2025

Channel 1 (Chloride) - Set: 8 / 8

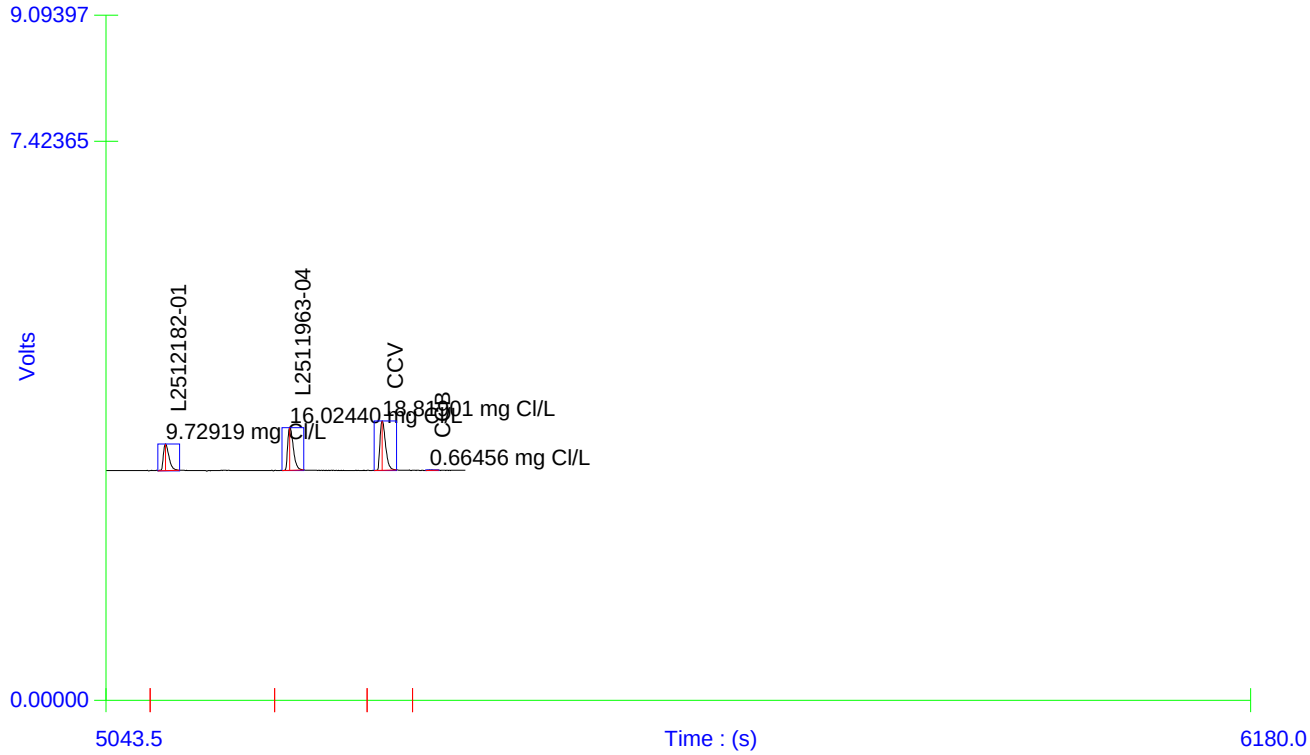
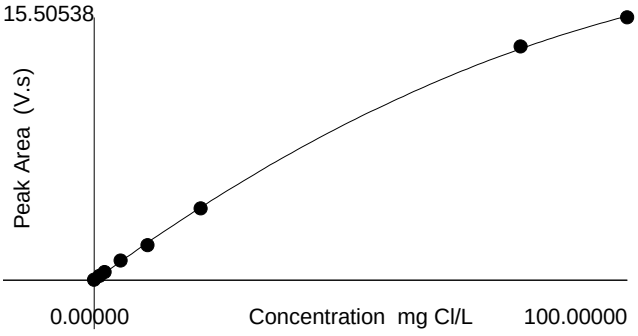


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	15.50538	2.24330	0.0	0.5	97.66862	3/6/2025	12:36:54 PM
2	80.00000	1	13.79842	1.99389	0.0	-1.0	83.05557	3/6/2025	12:37:39 PM
3	20.00000	1	4.23031	0.65901	0.0	1.6	19.08456	3/6/2025	12:38:26 PM
4	10.00000	1	2.06507	0.33305	0.0	6.8	8.83291	3/6/2025	12:39:12 PM
5	5.00000	1	1.15616	0.18270	0.0	-3.6	4.99420	3/6/2025	12:39:58 PM
6	2.00000	1	0.47410	0.07087	0.0	-7.9	2.29405	3/6/2025	12:40:45 PM
7	1.00000	1	0.25868	0.03725	0.0	-22.9	1.47337	3/6/2025	12:41:32 PM
8	0.00000	1	0.02395	0.00376			0.59671	3/6/2025	12:42:17 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00075 * Conc^2 + 0.23094 * Conc - 0.01969
Conc = 0.16630 * Area^2 + 3.68774 * Area + 0.50829
Correlation Coefficient (r) = 0.99989

Weighting : None

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037387-4	**MS Analysis Date**	: 03/06/25 13:19
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Chloride	9.0	20	28.	95					58-140	7

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 13:17
Dup Sample ID	: WG2037387-3	**DUP Analysis Date**	: 03/06/25 13:18

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	9.0	8.9	1	7

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037387-2	**LCS Analysis Date**	: 03/06/25 13:01
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
	True	Found	%R	True	Found	%R	RPD	Recovery	RPD
Parameter	(mg/l)	(mg/l)		(mg/l)	(mg/l)			Limits	Limit
Chloride	30.0	29.0	97.					90-110	7

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chloride	16887-00-6	1	0.2	mg/l	90-110		58-140	7	7	4500CL-E	28 days	1 - Plastic 250ml unpreserved

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 the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chloride	16887-00-6	10	3.73	mg/kg	89-109	35	62-129	35	35	9251	28 days	1 - Glass 250ml/8oz unpreserved
Chloride	16887-00-6	10	3.73	mg/kg	90-110	35	62-129	35	35	4500CL-E	28 days	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

Cl mg/L = mg/L direct reading x dilution factor

Sequence Logs

From Page No. ____

1 ICV S
2 30
3 80
4 ICB
5 100ppm COX
6 WG203737387 -1 BLK
7 -2 LCS
8 WG203737388-1 BLK
9 -2 LCS
10 11849-01
11 11914-01
12 -02
13 -04
14 -05
15 -07
16 -08
17 11923-01
18 11944-01
19 -02
20 -03
21 -04
22 -05
23 -06
24 WG203737387-3 DUP
25 -4 MS
26 11944-07
27 -08
28 -09
29 12055-01
30 -02
31 12182-01
32 11893-01
33 WG203737388-3 DUP
34 -4 MS
35 11893-02
36 -03
37 -04
38 11963-01
39 -02
40 -03
41 -04
42 -05
43 -06
44 -07
45 -08

To Page No. ____

Witnessed & Understood by me, Date Invented by: Date

Recorded by:

Fluoride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-01	**Date Collected**	: 03/04/25 08:30
Client ID	: MW-11S	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/06/25 05:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2037143.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.03	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.02	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.07	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.05	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-05	Date Collected	:	03/04/25 13:22
Client ID	:	MW-13D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/06/25 05:13
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500F-BC	Analyst	:	DTH
Lab File ID	:	WG2037143.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	03/06/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
16984-48-8	Fluoride	0.03	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.04	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 05:13
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2037143.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037143-1	**Date Collected**	: NA
Client ID	: WG2037143-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 05:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2037143.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037143-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/06/25 05:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2037143.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.02	J

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

F L U O R I D E

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis: FLUORIDE
Analysis Date: 3/6/2025 5:13
Method: SM 4500F-BC
Technician: DTH
LCS Concentration (mg/l): 2
Work group: WG2037143
Spike Concentration (mg/l): 1
RL: 0.20 mg/L
Distillation Date: 3/6/2025 0:59

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve	
						Slope	y-intercept
0.2	-0.699	125	-0.708	0.1961	98	-59.394175	82.975
0.5	-0.301	100.4	-0.293	0.5089	102		
1.0	0.000	82.7	0.005	1.0107	101	Correlation	Coefficient
10	1.000	23.8	0.996	9.915	99	0.99994731	

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	50	50		YES	1.00	0	1.00	0.00	Recovery
	ICV	50	50		YES	1.00	0.995	1.00	1.00	100%
	L2511529-01	50	50		YES	1.00	0.0559	1.00	0.06	
SAMP	L2511919-01	50	50		YES	1.00	0.165	1.00	0.17	
SAMP	L2511919-02	50	50		YES	1.00	0.126	1.00	0.13	
SAMP	L2511919-04	50	50		YES	1.00	0.123	1.00	0.12	
SAMP	L2511919-05	50	50		YES	1.00	0.125	1.00	0.13	
SAMP	L2511919-07	50	50		YES	1.00	0.109	1.00	0.11	
SAMP	L2511919-08	50	50		YES	1.00	0.0881	1.00	0.09	
	L2511944-01	50	50		YES	1.00	0.0302	1.00	0.03	
	L2511944-02	50	50		YES	1.00	0.0186	1.00	0.02	
	L2511944-03	50	50		YES	1.00	0.0736	1.00	0.07	
	L2511944-04	50	50		YES	1.00	0.0488	1.00	0.05	
	L2511944-05	50	50		YES	1.00	0.0287	1.00	0.03	
	L2511944-06	50	50		YES	1.00	0.0848	1.00	0.08	
	L2511944-07	50	50		YES	1.00	0.036	1.00	0.04	
	L2511944-08	50	50		YES	1.00	0.0792	1.00	0.08	
	L2511944-09	50	50		YES	1.00	0.00847	1.00	0.01	
	CCV	50	50		YES	1.00	0.991	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.976	1.00	0.98	
	CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK	WG2037143-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2037143-3	50	50		YES	1.00	0.0839	1.00	0.08	L2511944-06

	Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2037143-4	50	50		YES	.08	0.941	1	0.94	86
LCS	WG2037143-2	50	50		YES		1.74	2	1.74	87

last sample

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037143-4	**MS Analysis Date**	: 03/06/25 05:13
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Fluoride	0.08J	1	0.94	94					69-124	13

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 05:13
Dup Sample ID	: WG2037143-3	**DUP Analysis Date**	: 03/06/25 05:13

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.08J	0.08J	NC	13

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037143-2	**LCS Analysis Date**	: 03/06/25 05:13
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Fluoride	**2.00**	**1.70**	**87.**					**78-120**	**13**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Fluoride	16984-48-8	0.2	0.017	mg/l	78-120		69-124	13	13	4500F-BC	28 days	1 - Plastic 500ml unpreserved

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 the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Fluoride	16984-48-8	10	1.04	mg/kg	80-120		70-130	20	20	4500F-BC	28 days	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

Fluoride, mg/L = (mg F-/L) X (Volume of Distillate, mL)/ Volume of Sample, mL

For solids:

Fluoride, mg/Kg = (mg F-/L) X (Volume of Distillate, mL)/Weight of Sample, gm

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE

Project No.

Book No.

Confide

From Page No.

WG2037143

Analyst: DTH 5.15

Date & Time: 3/6/25

ICV:F 120024-100ppm

LCS:F 120024-100ppm

Spike:F 120024-100ppm

Curve:WC- 3567

TISAB III: R- 4322

STD	MV
0.2	125.0
0.5	100.4
1.0	82.7
10.0	23.8

Sample	Volume 50mL	Final Volume 50mL	Meter
ICV			0.995
ICB			0.0
Blank			0.0
LCS			1.74
11529-01			0.0559
11919-01			0.165
-02			0.176
-04			0.123
-05			0.125
-07			0.109
-08			0.0881
11944-01			0.0302
CCV			0.991
CCB			0.0
-02			0.0186
-03			0.0736
-04			0.0488
-05			0.0567
-06			0.0848
-07			0.0360
-08			0.0792
-09			0.00847
DTH 3/6/25 ~~CCV~~ -06DUP			0.0839
~~CCB~~ -06MS			0.941
CCV			0.976
CCB			0.0

To Page No

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

Tube	Sample	Volume	Final Volume	Block	Comments 00:59
1	Blank	50 mL	50 mL	Phenol #2	DTH 03/06/25 a
2	LCS				1.0 mL ~~F012~~ F122024 DTH 3/6/25
3	11529-01				
4	11919-01				
5	02				
6	04				
7	05				
8	07				
9	08				
10	11944-01				
11	-03			Phenol #3	
12	-03				
13	-04				
14	-05				
15	-06				
16	Dup06				
17	MS06				0.5mL F122024-100ppm
18	07				
19	08				
20	09				

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

Phosphates Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 10:49
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.043	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 13:16
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS031025-WG2037673,78.c	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.635	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 13:19
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS031025-WG2037673,78.c	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.141	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/10/25 13:22
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS031025-WG2037673,78.c	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.175	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 10:55
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.025	0.031	0.012	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 10:56
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.034	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 10:58
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.022	0.031	0.012	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 10:59
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.037	0.031	0.012	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/06/25 11:00
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037041-1	**Date Collected**	: NA
Client ID	: WG2037041-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/06/25 10:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS030625-WG2037041.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	WG2037041-3	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SRDUP	**Date Received**	:	03/04/25
Sample Location	:		**Date Analyzed**	:	03/06/25 10:56
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS030625-WG2037041.csv	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/06/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.037	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037673-1	**Date Collected**	: NA
Client ID	: WG2037673-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/10/25 13:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS031025-WG2037673,78.c	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.015	0.031	0.012	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	WG2037673-3	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10DDUP	**Date Received**	:	03/04/25
Sample Location	:		**Date Analyzed**	:	03/10/25 13:20
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500P-E(M)	**Analyst**	:	EYA
Lab File ID	:	PHOS031025-WG2037673,78.c	**Instrument ID**	:	SEAL2
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	03/10/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.135	0.031	0.012	

Sample Raw Data

AQ2 Tray Report

Software version :	2.4.5
Report requested by :	EAsamoah
Date \ Time :	10-Mar-2025 14:04:17
Tray number :	2
Tray name :	WG2037673,78

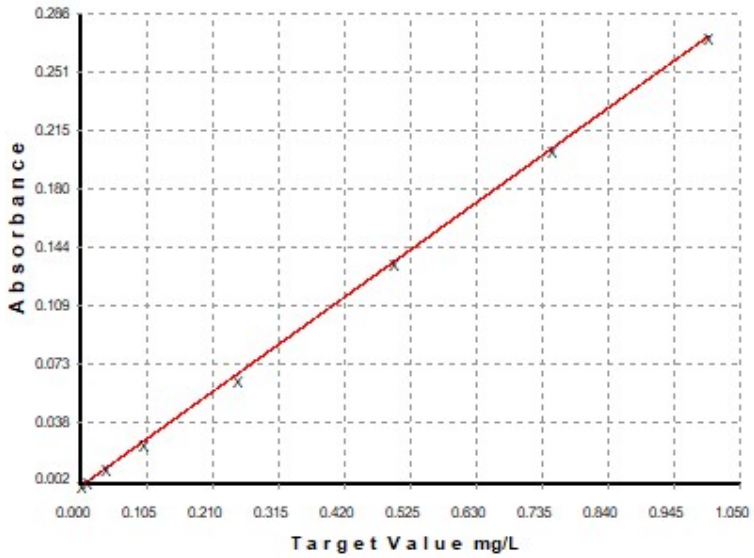
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0022	0.006	0.000	
S90	0.0040	0.013	0.010	30.61
S91	0.0114	0.041	0.040	1.26
S92	0.0270	0.098	0.100	-2.22
S93	0.0655	0.240	0.250	-4.15
S94	0.1359	0.499	0.500	-0.14
S95	0.2041	0.751	0.750	0.07
S96	0.2725	1.003	1.000	0.27
S0	0.0020	0.006	0.000	

Polynomial Order :	1
Correlation Coefficient :	0.9999
Carryover(%) :	-0.1
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-1.659057E-03
b =:	3.685201E+00
Date & Time :	10-Mar-2025 13:04:49

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-03052025	EYA	26-Mar-2025 00:00:00
TP Ascorbic	TP Ascorbic-03102025	MEF	17-Mar-2025 00:00:00

Test Results

Cup	Type	ID	Sample Details	Result	Units	QC	Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
	S1	Standard 1		0.002				0.002209			EYA	10-Mar-2025 12:57:03
	S90	Standard 90		0.004				0.003994			EYA	10-Mar-2025 12:58:01
	S91	Standard 91		0.011				0.011441			EYA	10-Mar-2025 12:58:59
	S92	Standard 92		0.027				0.026984			EYA	10-Mar-2025 12:59:57
	S93	Standard 93		0.065				0.065475			EYA	10-Mar-2025 13:00:55
	S94	Standard 94		0.136				0.135934			EYA	10-Mar-2025 13:01:54
	S95	Standard 95		0.204				0.204113			EYA	10-Mar-2025 13:02:52
	S96	Standard 96		0.273				0.272543			EYA	10-Mar-2025 13:03:51
	S0	Standard 0		0.002				0.002006			EYA	10-Mar-2025 13:04:49
2	ICV	ICV	10-MAR-2025 06-18	0.531	mg/L			0.144580			EYA	10-Mar-2025 13:05:48
3	ICB	ICB	10-MAR-2025 06-18	0.005	mg/L			0.001884			EYA	10-Mar-2025 13:06:49
4	U1	WG2037673-1O	10-MAR-2025 06-18	0.005ELL	mg/L			0.001859			EYA	10-Mar-2025 13:07:49
5	U2	WG2037673-2O	10-MAR-2025 06-18	0.537	mg/L			0.146070			EYA	10-Mar-2025 13:08:48
6	U3	L2511529-01O	10-MAR-2025 06-18	0.133	mg/L			0.036596			EYA	10-Mar-2025 13:09:47
7	U4	L2511919-01O	10-MAR-2025 06-18	0.035	mg/L			0.010075			EYA	10-Mar-2025 13:10:46
8	U5	L2511919-02O	10-MAR-2025 06-18	0.016	mg/L			0.004917			EYA	10-Mar-2025 13:11:45
9	U6	L2511919-04O	10-MAR-2025 06-18	0.035	mg/L			0.009959			EYA	10-Mar-2025 13:12:44
10	U7	L2511919-05O	10-MAR-2025 06-18	0.017	mg/L			0.004964			EYA	10-Mar-2025 13:13:43
11	U8	L2511919-07O	10-MAR-2025 06-18	0.031	mg/L			0.008927			EYA	10-Mar-2025 13:14:42

12	U9	L2511919-08O	10-MAR-2025 06-18	0.026	mg/L	0.007603	EYA	10-Mar-2025	13:15:41
13	U10	L2511944-02O	10-MAR-2025 06-18	0.207	mg/L	0.056702	EYA	10-Mar-2025	13:16:39
	CCV	CCV		0.523	mg/L	0.142389	EYA	10-Mar-2025	13:17:38
	CCB	CCB		0.005	mg/L	0.001895	EYA	10-Mar-2025	13:18:39
14	U11	L2511944-03O	10-MAR-2025 06-18	0.046	mg/L	0.012901	EYA	10-Mar-2025	13:19:40
15	U12	WG2037673-3O	10-MAR-2025 06-18	0.044	mg/L	0.012436	EYA	10-Mar-2025	13:20:38
16	U13	WG2037673-4O	10-MAR-2025 06-18	0.589	mg/L	0.160166	EYA	10-Mar-2025	13:21:39
17	U14	L2511944-04O	10-MAR-2025 06-18	0.057	mg/L	0.015867	EYA	10-Mar-2025	13:22:40
18	U15	L2511871-01O	10-MAR-2025 06-18	0.217	mg/L	0.059254	EYA	10-Mar-2025	13:23:13
19	U16	L2511893-01O	10-MAR-2025 06-18	0.014	mg/L	0.004161	EYA	10-Mar-2025	13:24:10
20	U17	WG2037678-3O	10-MAR-2025 06-18	0.015	mg/L	0.004390	EYA	10-Mar-2025	13:25:01
21	U18	WG2037678-4O	10-MAR-2025 06-18	0.531	mg/L	0.144564	EYA	10-Mar-2025	13:25:53
22	U19	L2511893-02O	10-MAR-2025 06-18	0.014	mg/L	0.004305	EYA	10-Mar-2025	13:26:44
23	U20	L2511893-03O	10-MAR-2025 06-18	0.258	mg/L	0.070367	EYA	10-Mar-2025	13:27:35
	CCV	CCV		0.532	mg/L	0.144897	EYA	10-Mar-2025	13:28:26
	CCB	CCB		0.005	mg/L	0.001821	EYA	10-Mar-2025	13:29:18
24	U21	L2511893-04O	10-MAR-2025 06-18	0.007	mg/L	0.002461	EYA	10-Mar-2025	13:30:09
	CCV	CCV		0.528	mg/L	0.143700	EYA	10-Mar-2025	13:31:00
	CCB	CCB		0.005	mg/L	0.001942	EYA	10-Mar-2025	13:31:52

AQ2 Tray Report

Software version : 2.4.5
Report requested by : EAsamoah
Date \ Time : 06-Mar-2025 12:05:04
Tray number : 1
Tray name : WG2037041

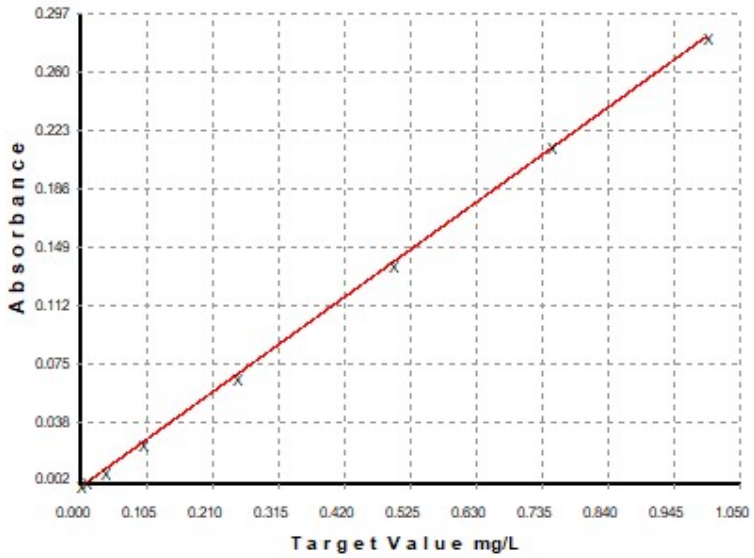
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0016	0.005	0.000	
S90	0.0038	0.013	0.010	31.59
S91	0.0104	0.037	0.040	-8.72
S92	0.0282	0.099	0.100	-0.64
S93	0.0695	0.245	0.250	-1.95
S94	0.1399	0.494	0.500	-1.20
S95	0.2148	0.759	0.750	1.14
S96	0.2826	0.998	1.000	-0.20
S0	0.0013	0.004	0.000	

Polynomial Order : 1
Correlation Coefficient : 0.9999
Carryover(%) : -0.1
Calibration equation: y = bx + a
y =: Concentration mg/L
x =: Measured absorbance
a =: -3.583642E-04
b =: 3.532743E+00
Date & Time : 06-Mar-2025 10:40:02

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-03052025	EYA	26-Mar-2025 00:00:00
TP Ascorbic	TP Ascorbic-02262025	MEF	05-Mar-2025 00:00:00

Test Results

Cup	Type	ID	Sample Details	Result	Units	QC	Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
	S1	Standard 1		0.002				0.001605			EYA	06-Mar-2025 10:32:15
	S90	Standard 90		0.004				0.003826			EYA	06-Mar-2025 10:33:13
	S91	Standard 91		0.010				0.010437			EYA	06-Mar-2025 10:34:11
	S92	Standard 92		0.028				0.028226			EYA	06-Mar-2025 10:35:09
	S93	Standard 93		0.069				0.069491			EYA	06-Mar-2025 10:36:07
	S94	Standard 94		0.140				0.139932			EYA	06-Mar-2025 10:37:06
	S95	Standard 95		0.215				0.214827			EYA	06-Mar-2025 10:38:04
	S96	Standard 96		0.283				0.282592			EYA	06-Mar-2025 10:39:03
	S0	Standard 0		0.001				0.001337			EYA	06-Mar-2025 10:40:02
2	ICV	ICV	6-MAR-2025 07-10	0.503	mg/L			0.142350			EYA	06-Mar-2025 10:41:00
3	ICB	ICB	6-MAR-2025 07-10	0.003	mg/L			0.000838			EYA	06-Mar-2025 10:42:01
4	U1	WG2037041-1	6-MAR-2025 07-10	0.004ELL	mg/L			0.001225			EYA	06-Mar-2025 10:43:02
5	U2	WG2037041-2	6-MAR-2025 07-10	0.500	mg/L			0.141612			EYA	06-Mar-2025 10:44:01
6	U3	L2511083-01-10	6-MAR-2025 07-10	68.803	mg/L			0.078004	x25.0000	x10.0000	EYA	06-Mar-2025 11:34:21
6	U3	L2511083-01-10	6-MAR-2025 07-10	68.048	mg/L			0.385346	x5.0000	x10.0000	EYA	06-Mar-2025 11:17:22
6	U3	L2511083-01-10	6-MAR-2025 07-10	28.511	mg/L			0.807146		x10.0000	EYA	06-Mar-2025 10:44:59
7	U4	L2511529-01	6-MAR-2025 07-10	0.125	mg/L			0.035362			EYA	06-Mar-2025 10:45:58
8	U5	L2511683-01	6-MAR-2025 07-10	0.026	mg/L			0.007589			EYA	06-Mar-2025 10:46:58
9	U6	L2511683-02	6-MAR-2025 07-10	0.031	mg/L			0.008980			EYA	06-Mar-2025 10:47:56

10	U7	L2511683-03	6-MAR-2025 07-10	0.022	mg/L	0.006354		EYA	06-Mar-2025 10:48:56
11	U8	L2511944-01	6-MAR-2025 07-10	0.014	mg/L	0.004025		EYA	06-Mar-2025 10:49:54
12	U9	L2511944-02-5	6-MAR-2025 07-10	0.434	mg/L	0.024688	x5.0000	EYA	06-Mar-2025 10:50:53
13	U10	L2511944-03	6-MAR-2025 07-10	0.040	mg/L	0.011415		EYA	06-Mar-2025 10:51:54
	CCV	CCV		0.471	mg/L	0.133298		EYA	06-Mar-2025 10:52:54
	CCB	CCB		0.002	mg/L	0.000667		EYA	06-Mar-2025 10:53:27
14	U11	L2511944-04	6-MAR-2025 07-10	0.078	mg/L	0.022281		EYA	06-Mar-2025 10:54:25
15	U12	L2511944-05	6-MAR-2025 07-10	0.008	mg/L	0.002390		EYA	06-Mar-2025 10:55:16
16	U13	L2511944-06	6-MAR-2025 07-10	0.011	mg/L	0.003253		EYA	06-Mar-2025 10:56:07
17	U14	WG2037041-3	6-MAR-2025 07-10	0.012	mg/L	0.003374		EYA	06-Mar-2025 10:56:59
18	U15	WG2037041-4	6-MAR-2025 07-10	0.530	mg/L	0.150075		EYA	06-Mar-2025 10:57:50
19	U16	L2511944-07	6-MAR-2025 07-10	0.007	mg/L	0.001976		EYA	06-Mar-2025 10:58:41
20	U17	L2511944-08	6-MAR-2025 07-10	0.012	mg/L	0.003409		EYA	06-Mar-2025 10:59:32
21	U18	L2511944-09	6-MAR-2025 07-10	0.004ELL	mg/L	0.001211		EYA	06-Mar-2025 11:00:23
	CCV	CCV		0.482	mg/L	0.136559		EYA	06-Mar-2025 11:01:15
	CCB	CCB		0.004	mg/L	0.001223		EYA	06-Mar-2025 11:02:06
	CCV	CCV		0.504	mg/L	0.142752		EYA	06-Mar-2025 11:15:39
	CCB	CCB		0.003	mg/L	0.001051		EYA	06-Mar-2025 11:16:31
	CCV	CCV		0.499	mg/L	0.141364		EYA	06-Mar-2025 11:18:13
	CCB	CCB		0.004	mg/L	0.001221		EYA	06-Mar-2025 11:19:05
	CCV	CCV		0.502	mg/L	0.142204		EYA	06-Mar-2025 11:32:38
	CCB	CCB		0.003	mg/L	0.000978		EYA	06-Mar-2025 11:33:30
	CCV	CCV		0.499	mg/L	0.141430		EYA	06-Mar-2025 11:35:13
	CCB	CCB		0.004	mg/L	0.001219		EYA	06-Mar-2025 11:36:04

Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2037041-4	**MS Analysis Date**	: 03/06/25 10:57
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
	Sample Conc.	Spike Added	Spike Conc.	%R	Spike Added	Spike Conc.	%R	RPD	Recovery Limits	RPD Limit
Parameter	(mg/l)	(mg/l)	(mg/l)		(mg/l)	(mg/l)				
Phosphate, Total	0.034	1.53	1.63	104					80-120	15

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-10D	**Matrix**	: WATER
Lab Sample ID	: L2511944-03		
Matrix Spike	: WG2037673-4	**MS Analysis Date**	: 03/10/25 13:21
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Phosphate, Total	0.141	1.53	1.81	109					80-120	15

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/06/25 10:56
Dup Sample ID	: WG2037041-3	**DUP Analysis Date**	: 03/06/25 10:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.034	0.037	8	15

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-10D	**Matrix**	: WATER
Lab Sample ID	: L2511944-03	**Analysis Date**	: 03/10/25 13:19
Dup Sample ID	: WG2037673-3	**DUP Analysis Date**	: 03/10/25 13:20

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.141	0.135	4	15

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037041-2	**LCS Analysis Date**	: 03/06/25 10:44
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Phosphate, Total	**1.53**	**1.54**	**101.**					**84-118**	**15**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037673-2	**LCS Analysis Date**	: 03/10/25 13:08
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Phosphate, Total	**1.53**	**1.65**	**108.**					**84-118**	**15**

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WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Total	7723-14-0	0.01	0.004	mg/l	80-120		75-125	20	20	4500P-E	28 days	1 - Plastic 500ml H2SO4 preserved

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 the laboratory.

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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Total	7723-14-0	5	1.67	mg/kg	52-148	20	75-125	20	20	4500P-E	28 days	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

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Created By: Jason Hebert
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WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Orthophosphate	7723-14-0	0.005	0.001	mg/l	90-110		80-120	20	20	4500P-E	48 hours	1 - Plastic 500ml unpreserved

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 the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Orthophosphate	7723-14-0	0.05	0.05	mg/kg						4500P-E	48 hours	1 - Glass 250ml/8oz unpreserved

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 the laboratory.

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segmant flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Total Suspended Solids Analysis

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/05/25 20:46
Sample Matrix	:	WATER	**Dilution Factor**	:	1.1
Analytical Method	:	121,2540D	**Analyst**	:	REM
Lab File ID	:	WG2037128.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	160	5.5	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-02	Date Collected	:	03/04/25 15:40
Client ID	:	MW-10S	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/05/25 20:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,2540D	Analyst	:	REM
Lab File ID	:	WG2037128.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Suspended	50.	5.0	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-03	Date Collected	:	03/04/25 15:20
Client ID	:	MW-10D	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/05/25 20:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,2540D	Analyst	:	REM
Lab File ID	:	WG2037128.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Suspended	23.	5.0	NA	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-04	Date Collected	:	03/04/25 13:55
Client ID	:	MW-13S	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/05/25 20:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,2540D	Analyst	:	REM
Lab File ID	:	WG2037128.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Suspended	210	5.0	NA	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: L2511944-05	**Date Collected**	: 03/04/25 13:22
Client ID	: MW-13D	**Date Received**	: 03/04/25
Sample Location	: 416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	: 03/05/25 20:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2540D	**Analyst**	: REM
Lab File ID	: WG2037128.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/05/25 20:46
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2540D	**Analyst**	:	REM
Lab File ID	:	WG2037128.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/05/25 20:46
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,2540D	**Analyst**	:	REM
Lab File ID	:	WG2037128.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-08	Date Collected	:	03/04/25 12:00
Client ID	:	DUP_03042025	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/05/25 20:46
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,2540D	Analyst	:	REM
Lab File ID	:	WG2037128.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	Lab Number	:	L2511944
Project Name	:	CORAM MATERIALS	Project Number	:	2232.0006Y005
Lab ID	:	L2511944-09	Date Collected	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	Date Received	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	Date Analyzed	:	03/05/25 20:46
Sample Matrix	:	Equipment Blank	Dilution Factor	:	1
Analytical Method	:	121,2540D	Analyst	:	REM
Lab File ID	:	WG2037128.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037128-1	**Date Collected**	: NA
Client ID	: WG2037128-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/05/25 20:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2540D	**Analyst**	: REM
Lab File ID	: WG2037128.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	ND	5.0	NA	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2037128-3	**Date Collected**	: 03/04/25 10:57
Client ID	: MW-1SRDUP	**Date Received**	: 03/04/25
Sample Location	:	**Date Analyzed**	: 03/05/25 20:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2540D	**Analyst**	: REM
Lab File ID	: WG2037128.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Suspended	ND	5.0	NA	U

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: MAR-06-25 12:25:02

WorkGroup	WG2037128	**Temp In (C)**	105	**Temp In (C)**	105	**Temp In (C)**	105	**Temp In (C)**		**Temp In (C)**					
Title	Solids, Total Suspended	**Temp Out (C)**	105	**Temp Out (C)**	105	**Temp Out (C)**	105	**Temp Out (C)**		**Temp Out (C)**					
Method	SM2540D	**Time In**	05-MAR-25 22:31	**Time In**	06-MAR-25 08:31	**Time In**	06-MAR-25 10:56	**Time In**		**Time In**					
Instrument	BALANCE#22	**Time Out**	06-MAR-25 08:05	**Time Out**	06-MAR-25 10:30	**Time Out**	06-MAR-25 12:01	**Time Out**		**Time Out**					
		Evaporation	**Temp In (C)**	**Time In**								**LCS Lot #** 88353	**TrueValue** 259	**Units** mg/l	

Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment
L2511765-02	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	3	600041-4	.4353	1000	.439	.4387				3.40	1	
L2511944-01	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	4	600041-4	.4369	925	.584	.5842				159.03	1.1	VOL
L2511944-02	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	5	600041-4	.4359	975	.4845	.4848				49.85	1	VOL
L2511944-03	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	6	600041-4	.4365	1000	.4598	.4602				23.30	1	
L2511944-04	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	7	600041-4	.4444	1000	.6611	.6593	.6594			214.90	1	
L2511944-05	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	8	600041-4	.4362	1000	.4403	.439	.4388			2.60	1	
L2511944-06	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	9	600041-4	.437	975	.4371	.4373				0.10	1	VOL
L2511944-07	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	10	600041-4	.4369	1000	.4397	.4395				2.60	1	
L2511944-08	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	11	600041-4	.4359	975	.4356	.4356				-0.31	1	VOL
L2511944-09	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	12	600041-4	.4357	1000	.4359	.4356				-0.10	1	
WG2037128-1	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	1	600041-4	.4368	1000	.4367	.4365				-0.30	1	FILT LOT: 600041-4235-LP
WG2037128-2	05-MAR-25 20:46	RENATA MUKHAMETZHAN	24	600041-4	.4331	250	.4875	.4873				216.80	4	

Average Weight (gm)	% Difference (Sample)	% Difference (Duplicate)
.00015	150	75

Wet Chemistry Gravimetric ELN

Printed: MAR-06-25 12:25:02

WorkGroup	WG2037128	**Temp In (C)**	105	**Temp In (C)**	105	**Temp In (C)**	105	**Temp In (C)**		**Temp In (C)**					
Title	Solids, Total Suspended	**Temp Out (C)**	105	**Temp Out (C)**	105	**Temp Out (C)**	105	**Temp Out (C)**		**Temp Out (C)**					
Method	SM2540D	**Time In**	05-MAR-25 22:31	**Time In**	06-MAR-25 08:31	**Time In**	06-MAR-25 10:56	**Time In**		**Time In**					
Instrument	BALANCE#22	**Time Out**	06-MAR-25 08:05	**Time Out**	06-MAR-25 10:30	**Time Out**	06-MAR-25 12:01	**Time Out**		**Time Out**					
		Temp In (C)		**Time In**								**LCS Lot #**	**TrueValue**	**Units**	
												88353	259	mg/l	

Sample #	Analysis Date	Analyst	Cup ID			Sample Volume (ml)					Result mg/L	Dil	Comment
		OVA											
WG2037128-3	05-MAR-25 20:46	RENATA MUKHAMETZHANOVA	2	600041-4	.441	1000	.4413	.4412			0.20	1	

Average Weight (gm)	% Difference (Sample)	% Difference (Duplicate)
.00015	150	75

Quality Control

Form 6
Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06	**Analysis Date**	: 03/05/25 20:46
Dup Sample ID	: WG2037128-3	**DUP Analysis Date**	: 03/05/25 20:46

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Suspended	ND	ND	NC	32

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2037128-2	**LCS Analysis Date**	: 03/05/25 20:46
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Solids, Total Suspended	**259.**	**220.**	**84.**					**80-120**	**32**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Solids, Total Suspended	NONE	5		mg/l	80-120			29	29	2540D	7 days	1 - Plastic 950ml unpreserved

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 the laboratory.

Calculations of TSS

$$\text{mgTSS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of filter + dried residue, g)
B = Initial weight (weight of clean filter, g)

Wet Chemistry
By
IC Methods

Results

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-01	**Date Collected**	:	03/04/25 08:30
Client ID	:	MW-11S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 13:05
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.029	0.050	0.013	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-02	**Date Collected**	:	03/04/25 15:40
Client ID	:	MW-10S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 13:17
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.025	0.050	0.013	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-03	**Date Collected**	:	03/04/25 15:20
Client ID	:	MW-10D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 13:29
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.042	0.050	0.013	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-04	**Date Collected**	:	03/04/25 13:55
Client ID	:	MW-13S	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 13:41
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.028	0.050	0.013	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-05	**Date Collected**	:	03/04/25 13:22
Client ID	:	MW-13D	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 13:53
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.035	0.050	0.013	J

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-06	**Date Collected**	:	03/04/25 10:57
Client ID	:	MW-1SR	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 14:05
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-07	**Date Collected**	:	03/04/25 10:05
Client ID	:	MW-10R2	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 14:54
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.059	0.050	0.013	

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-08	**Date Collected**	:	03/04/25 12:00
Client ID	:	DUP_03042025	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 15:06
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1
WETCHEM

Client	:	Roux Env. Eng. & Geology, DPC	**Lab Number**	:	L2511944
Project Name	:	CORAM MATERIALS	**Project Number**	:	2232.0006Y005
Lab ID	:	L2511944-09	**Date Collected**	:	03/04/25 15:30
Client ID	:	EQUIPMENT BLANK	**Date Received**	:	03/04/25
Sample Location	:	416 MILLER PLACE-YAPHANK ROAD	**Date Analyzed**	:	03/08/25 15:18
Sample Matrix	:	Equipment Blank	**Dilution Factor**	:	1
Analytical Method	:	44,300.0	**Analyst**	:	CVN,
Lab File ID	:	WG2038111-12	**Instrument ID**	:	IC3
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Lab ID	: WG2038111-1	**Date Collected**	: NA
Client ID	: WG2038111-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 03/08/25 10:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2038111-12	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

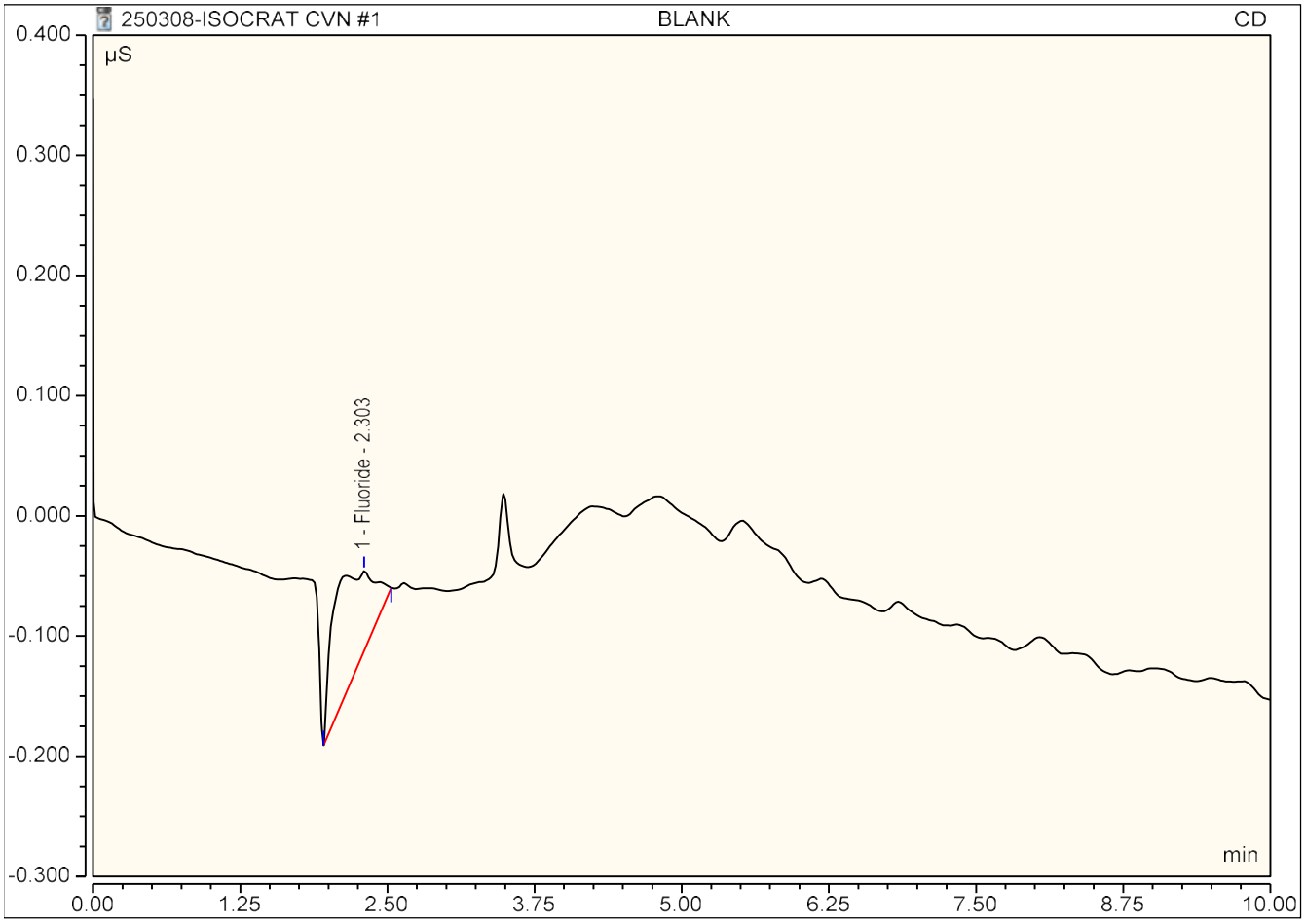
		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Sample Raw Data

Peak Integration Report

Sample Name:	**BLANK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 15:16**	*Run Time:*	**10.00**

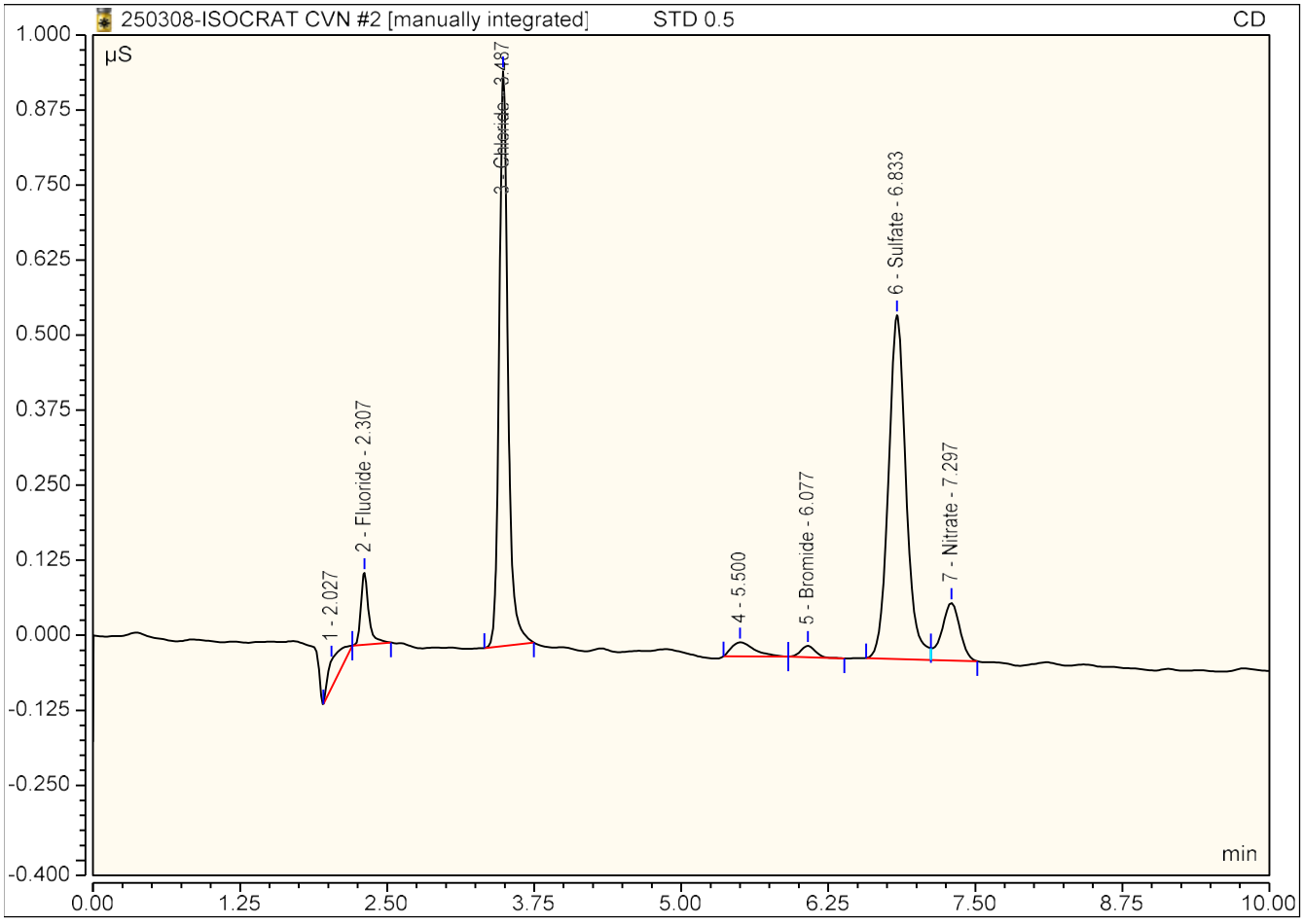
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.30	**Fluoride**	BMB	0.035	0.066	0.0938
		TOTAL:		0.03	0.07	0.09



Peak Integration Report

Sample Name:	**STD 0.5**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 15:28**	*Run Time:*	**10.00**

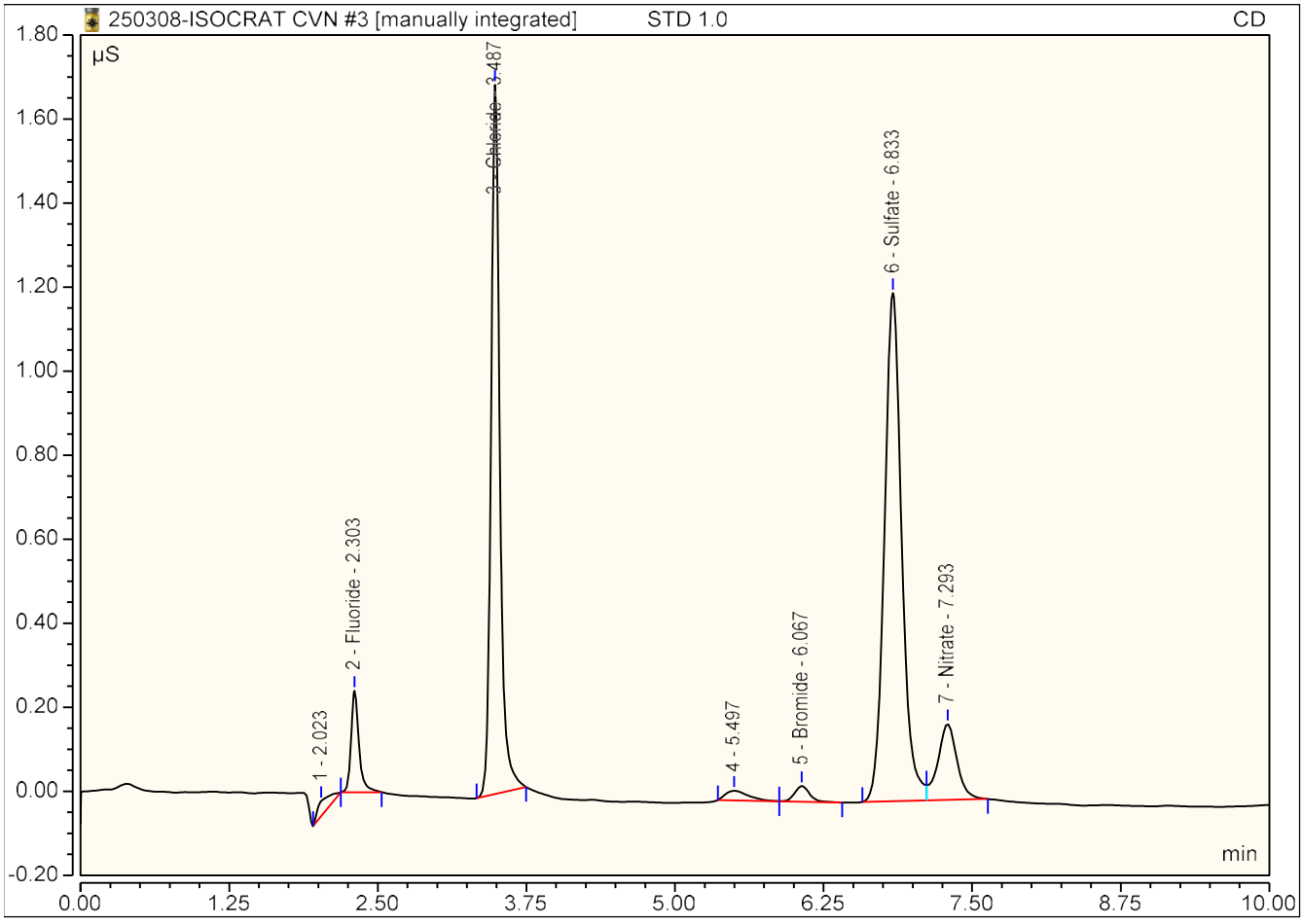
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.009	0.120	0.0476
3	3.49	**Chloride**	BMB	0.084	0.957	0.3758
5	6.08	**Bromide**	BMB	0.003	0.019	0.0457
6	6.83	**Sulfate**	BM *	0.099	0.573	0.6674
7	7.30	**Nitrate**	MB*	0.017	0.096	0.0446
TOTAL:				0.21	1.76	1.18



Peak Integration Report

Sample Name:	**STD 1.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 15:40**	*Run Time:*	**10.00**

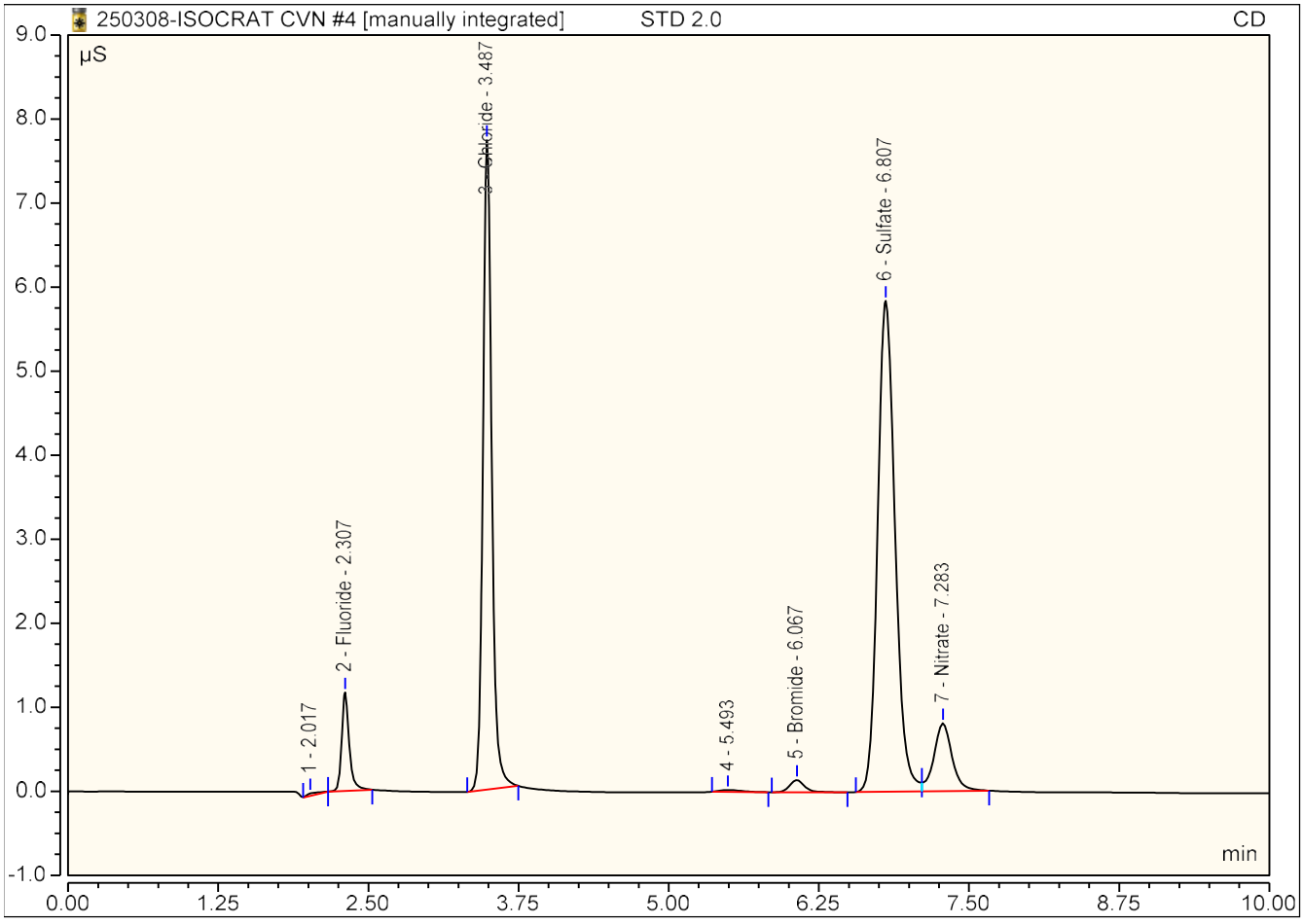
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.018	0.241	0.0642
3	3.49	**Chloride**	BMB	0.145	1.688	0.5449
5	6.07	**Bromide**	BMB	0.005	0.037	0.0673
6	6.83	**Sulfate**	BM *	0.204	1.209	1.0531
7	7.29	**Nitrate**	MB*	0.034	0.181	0.0635
TOTAL:				0.41	3.36	1.79



Peak Integration Report

Sample Name:	**STD 2.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 15:52**	*Run Time:*	**10.00**

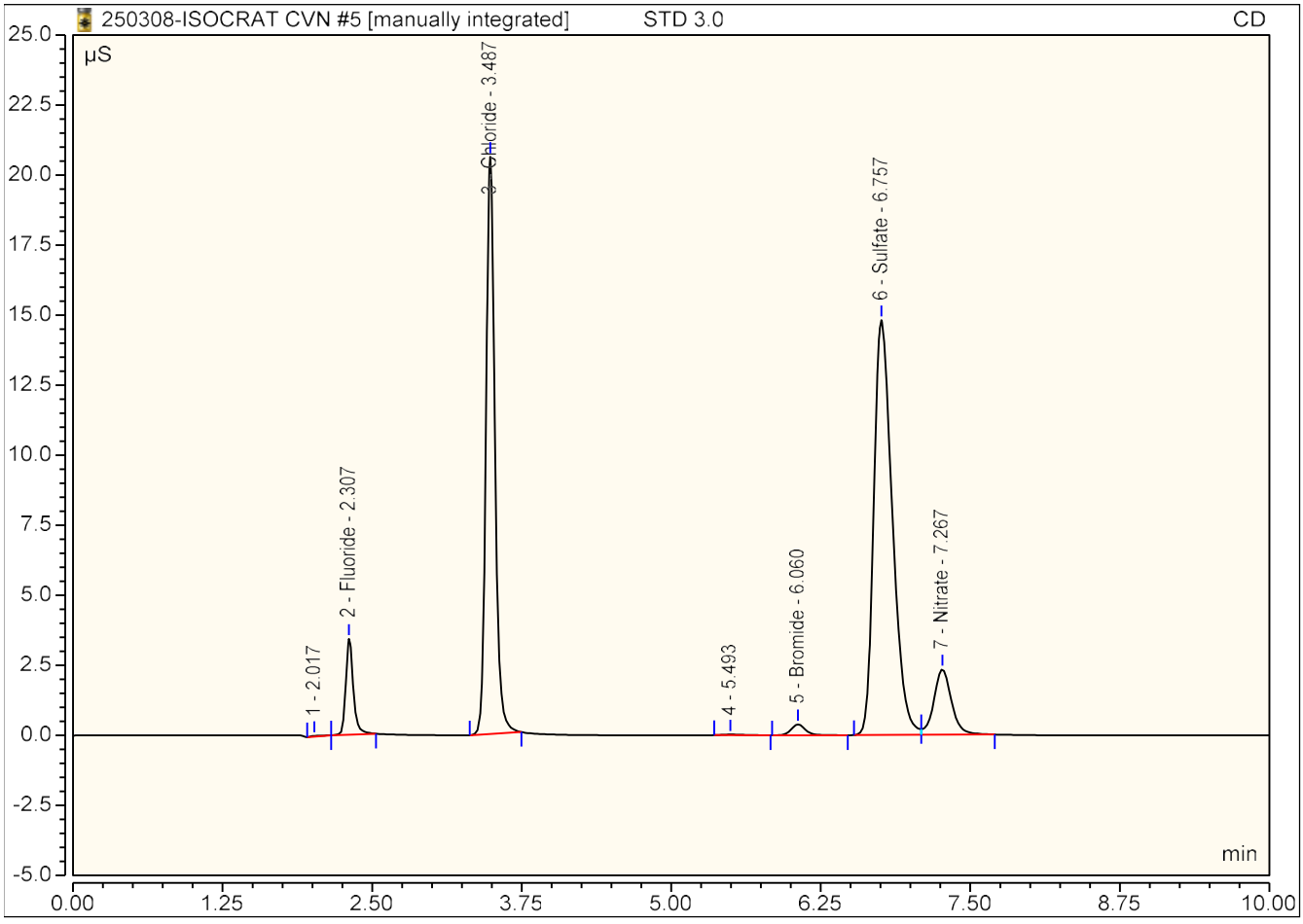
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.085	1.170	0.1838
3	3.49	**Chloride**	BMB	0.658	7.728	1.9560
5	6.07	**Bromide**	BMB	0.021	0.145	0.1909
6	6.81	**Sulfate**	BM *	0.980	5.839	3.9147
7	7.28	**Nitrate**	MB*	0.142	0.807	0.1847
TOTAL:				1.89	15.69	6.43



Peak Integration Report

Sample Name:	**STD 3.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 16:04**	*Run Time:*	**10.00**

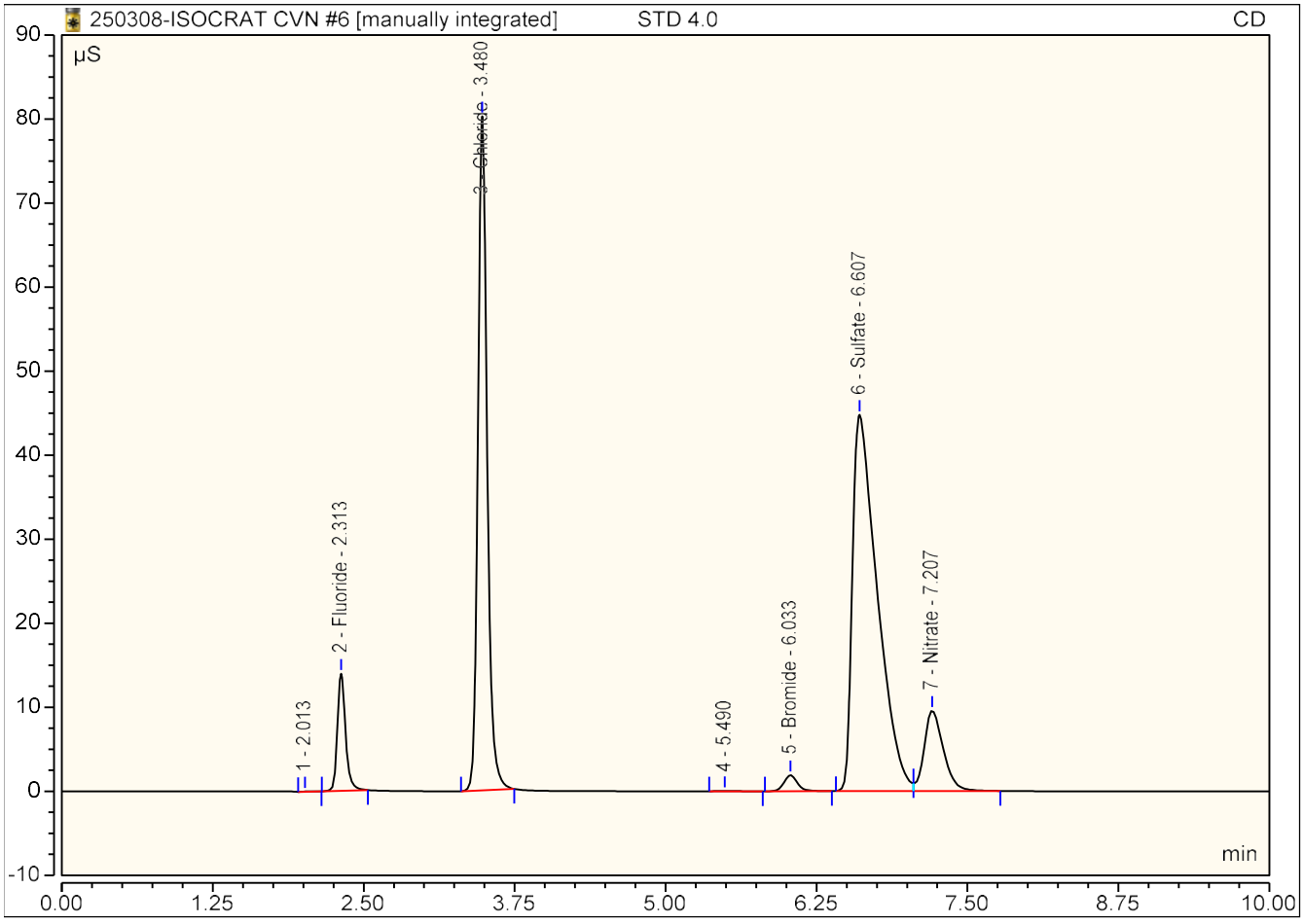
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.247	3.424	0.4769
3	3.49	**Chloride**	BMB	1.774	20.601	5.0224
5	6.06	**Bromide**	BMB	0.055	0.392	0.4612
6	6.76	**Sulfate**	BM *	2.650	14.806	10.0774
7	7.27	**Nitrate**	MB*	0.399	2.333	0.4750
TOTAL:				5.12	41.56	16.51



Peak Integration Report

Sample Name:	**STD 4.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 16:16**	*Run Time:*	**10.00**

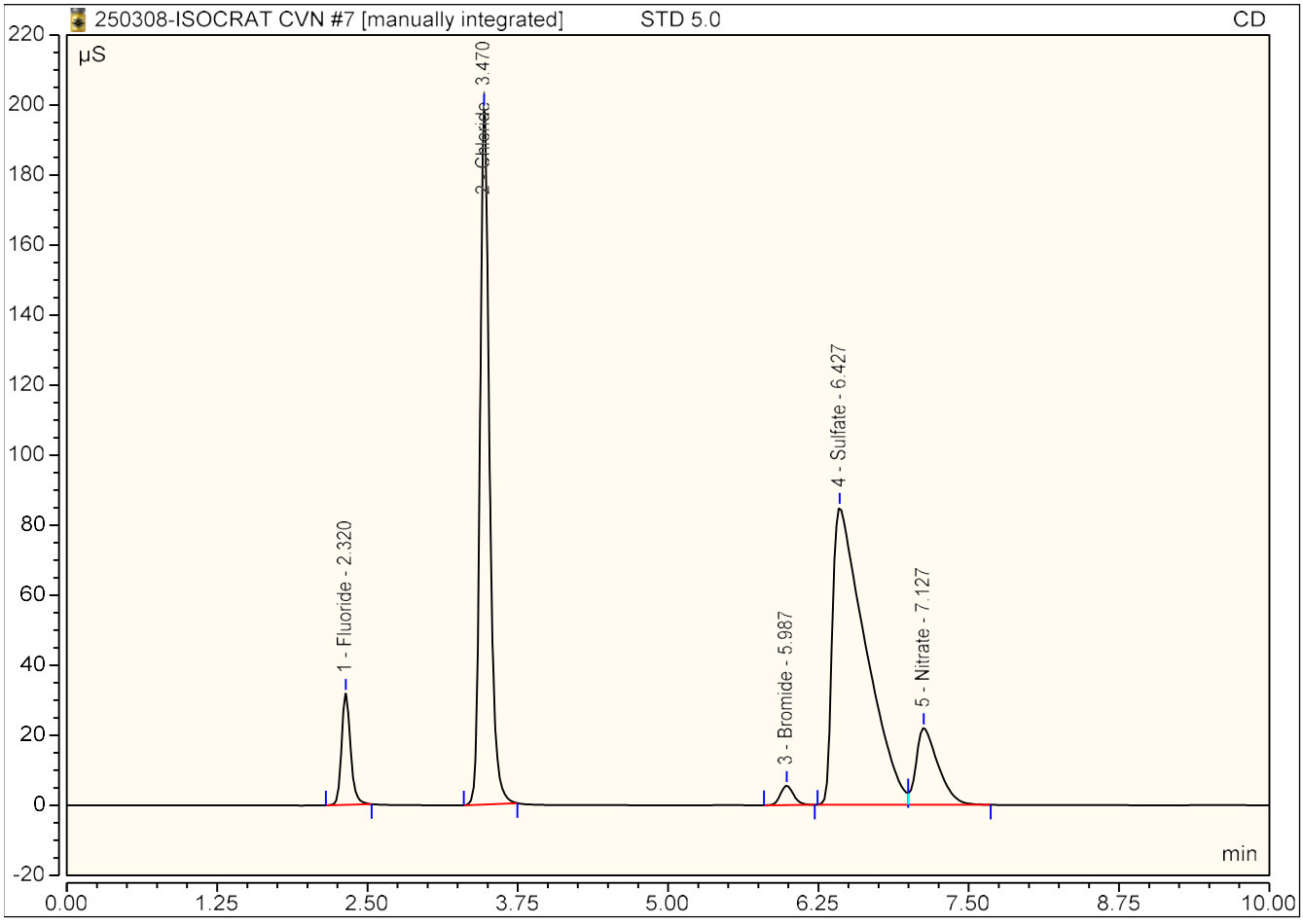
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	1.090	13.940	1.9996
3	3.48	**Chloride**	BMB	7.132	80.202	19.7542
5	6.03	**Bromide**	BMB	0.248	1.921	2.0099
6	6.61	**Sulfate**	BM *	10.667	44.745	39.6551
7	7.21	**Nitrate**	MB*	1.759	9.554	2.0072
TOTAL:				20.90	150.36	65.43



Peak Integration Report

Sample Name:	**STD 5.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 16:28**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	2.754	31.785	5.0029
2	3.47	**Chloride**	BMB	18.169	198.603	50.0968
3	5.99	**Bromide**	BMB	0.701	5.530	5.6299
4	6.43	**Sulfate**	BM *	27.058	84.892	100.1322
5	7.13	**Nitrate**	MB*	4.644	21.933	5.2562
TOTAL:				53.33	342.74	166.12



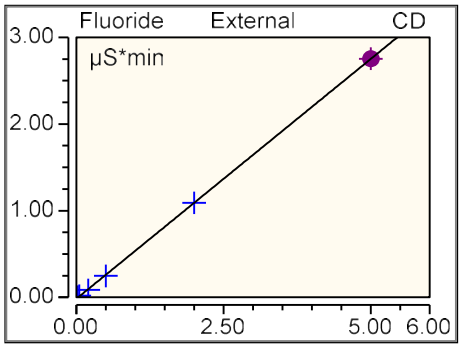
Calibration Batch Report

Sequence:	**250308-ISOCRAT CVN**	*Injection Volume:*	**25.00**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Feb-2025 / 16:28**	*Run Time:*	**10**

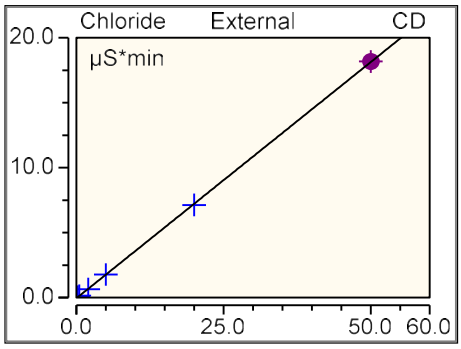
Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffse	6.000	-0.017	0.554	0.000	99.9921
Chloride	Area	in, WithOffse	6.000	-0.053	0.364	0.000	99.9953
Bromide	Area	in, WithOffse	5.000	-0.003	0.125	0.000	99.9125
Sulfate	Area	in, WithOffse	6.000	-0.081	0.271	0.000	99.9977
Nitrate	Area	in, WithOffse	5.000	-0.023	0.888	0.000	99.9464
		AVERAGE:		-0.0354	0.4403	0.0000	99.9688

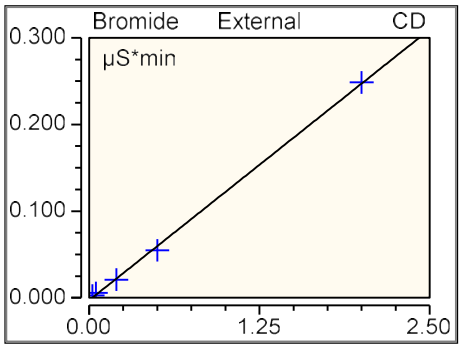
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Fluoride	Fluoride	Fluoride	Fluoride
STD 0.5	2.307	0.0092	0.120	0.048
STD 1.0	2.303	0.0184	0.241	0.064
STD 2.0	2.307	0.0847	1.170	0.184
STD 3.0	2.307	0.2470	3.424	0.477
STD 4.0	2.313	1.0904	13.940	2.000
STD 5.0	2.320	2.7539	31.785	5.003
Average	2.309			
Rel. Std. Dev.	0.265 %			



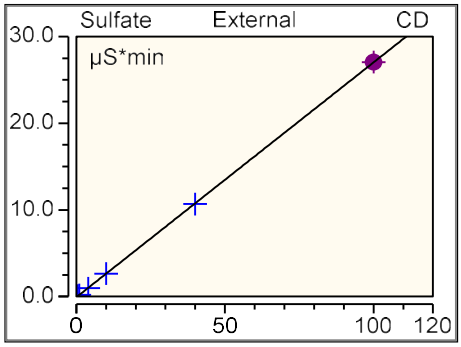
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Chloride	Chloride	Chloride	Chloride
STD 0.5	3.487	0.0836	0.957	0.376
STD 1.0	3.487	0.1451	1.688	0.545
STD 2.0	3.487	0.6584	7.728	1.956
STD 3.0	3.487	1.7737	20.601	5.022
STD 4.0	3.480	7.1322	80.202	19.754
STD 5.0	3.470	18.1689	198.603	50.097
Average	3.483			
Rel. Std. Dev.	0.195 %			



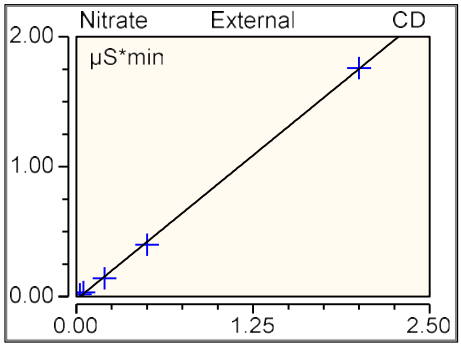
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Bromide	Bromide	Bromide	Bromide
STD 0.5	6.077	0.0028	0.019	0.046
STD 1.0	6.067	0.0055	0.037	0.067
STD 2.0	6.067	0.0209	0.145	0.191
STD 3.0	6.060	0.0547	0.392	0.461
STD 4.0	6.033	0.2485	1.921	2.010
STD 5.0	5.987	0.7014	5.530	5.630
Average	6.048			
Rel. Std. Dev.	0.555 %			



Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Sulfate	Sulfate	Sulfate	Sulfate
STD 0.5	6.833	0.0994	0.573	0.667
STD 1.0	6.833	0.2040	1.209	1.053
STD 2.0	6.807	0.9796	5.839	3.915
STD 3.0	6.757	2.6499	14.806	10.077
STD 4.0	6.607	10.6666	44.745	39.655
STD 5.0	6.427	27.0582	84.892	100.132
Average	6.711			
Rel. Std. Dev.	2.429 %			



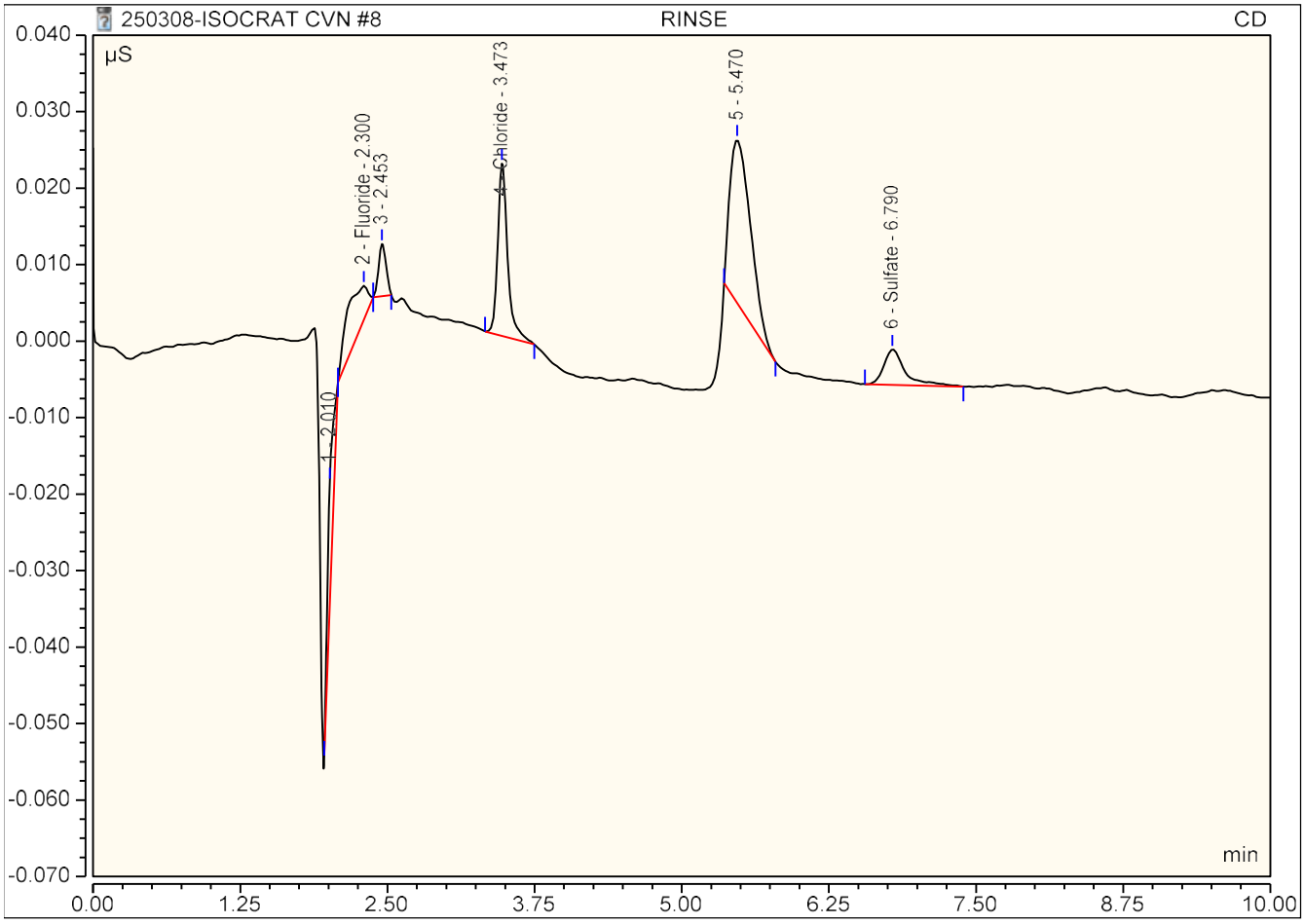
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Nitrate	Nitrate	Nitrate	Nitrate
STD 0.5	7.297	0.0171	0.096	0.045
STD 1.0	7.293	0.0339	0.181	0.063
STD 2.0	7.283	0.1415	0.807	0.185
STD 3.0	7.267	0.3992	2.333	0.475
STD 4.0	7.207	1.7593	9.554	2.007
STD 5.0	7.127	4.6435	21.933	5.256
Average	7.246			
Rel. Std. Dev.	0.924 %			



Peak Integration Report

Sample Name:	**RINSE**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 09:27**	*Run Time:*	**10.00**

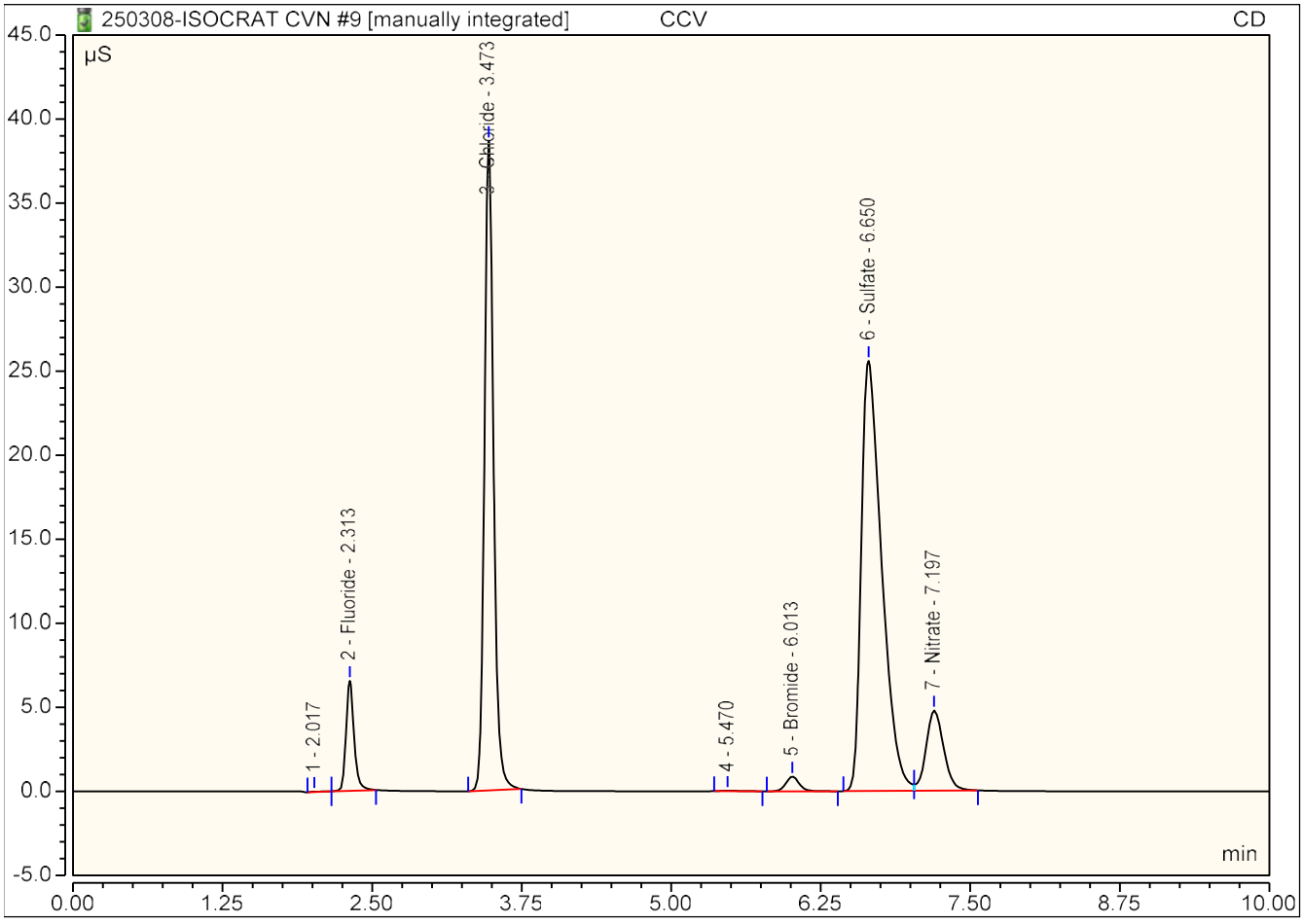
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.001	0.004	0.0333
4	3.47	**Chloride**	BMB	0.002	0.023	0.1520
6	6.79	**Sulfate**	BMB	0.001	0.005	0.3043
TOTAL:				0.00	0.03	0.49



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 09:39**	*Run Time:*	**10.00**

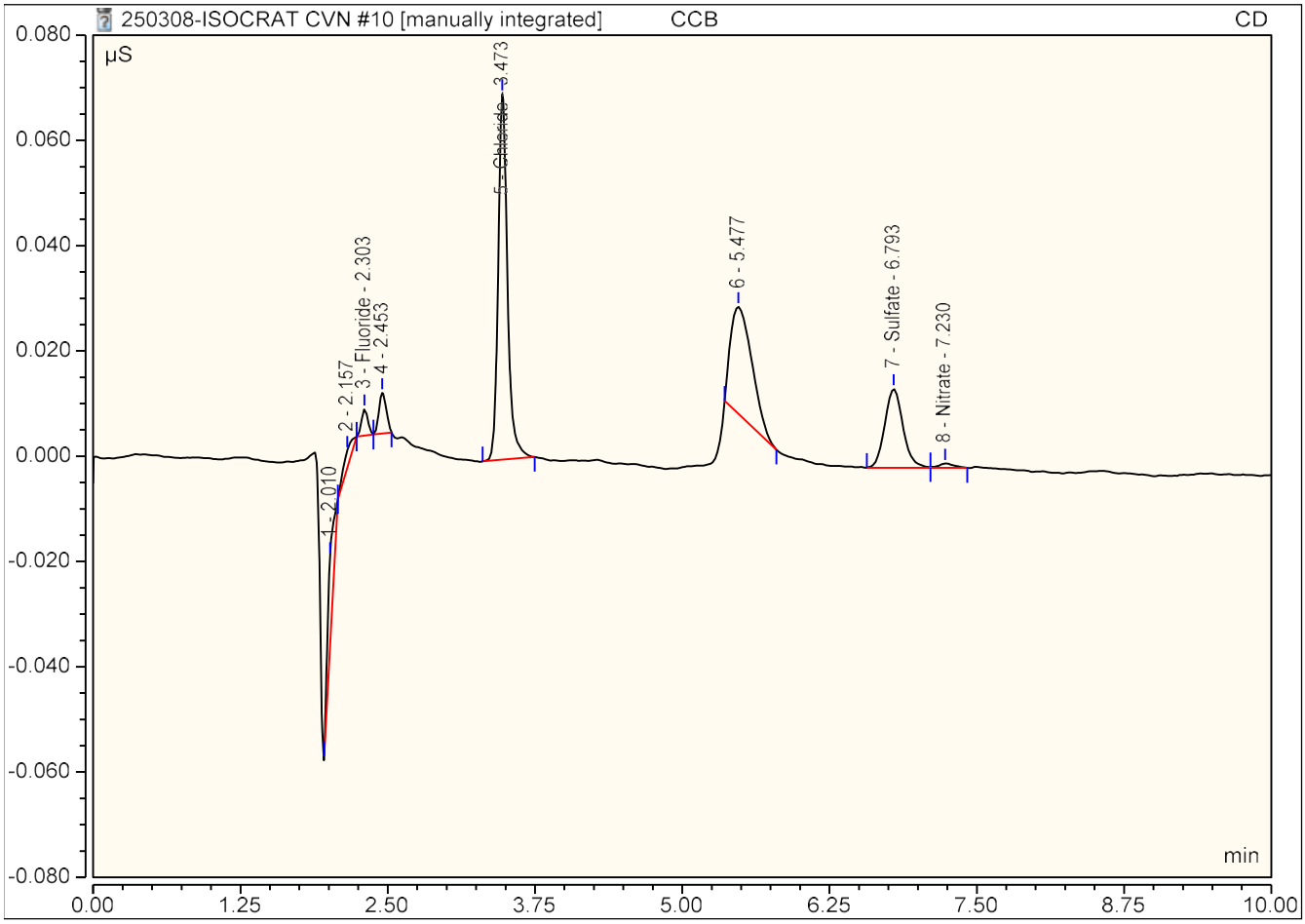
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.501	6.541	0.9362
3	3.47	**Chloride**	BMB	3.407	38.632	9.5125
5	6.01	**Bromide**	BMB	0.114	0.874	0.9325
6	6.65	**Sulfate**	BM *	5.056	25.580	18.9558
7	7.20	**Nitrate**	MB*	0.810	4.771	0.9381
TOTAL:				9.89	76.40	31.28



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 09:52**	*Run Time:*	**10.00**

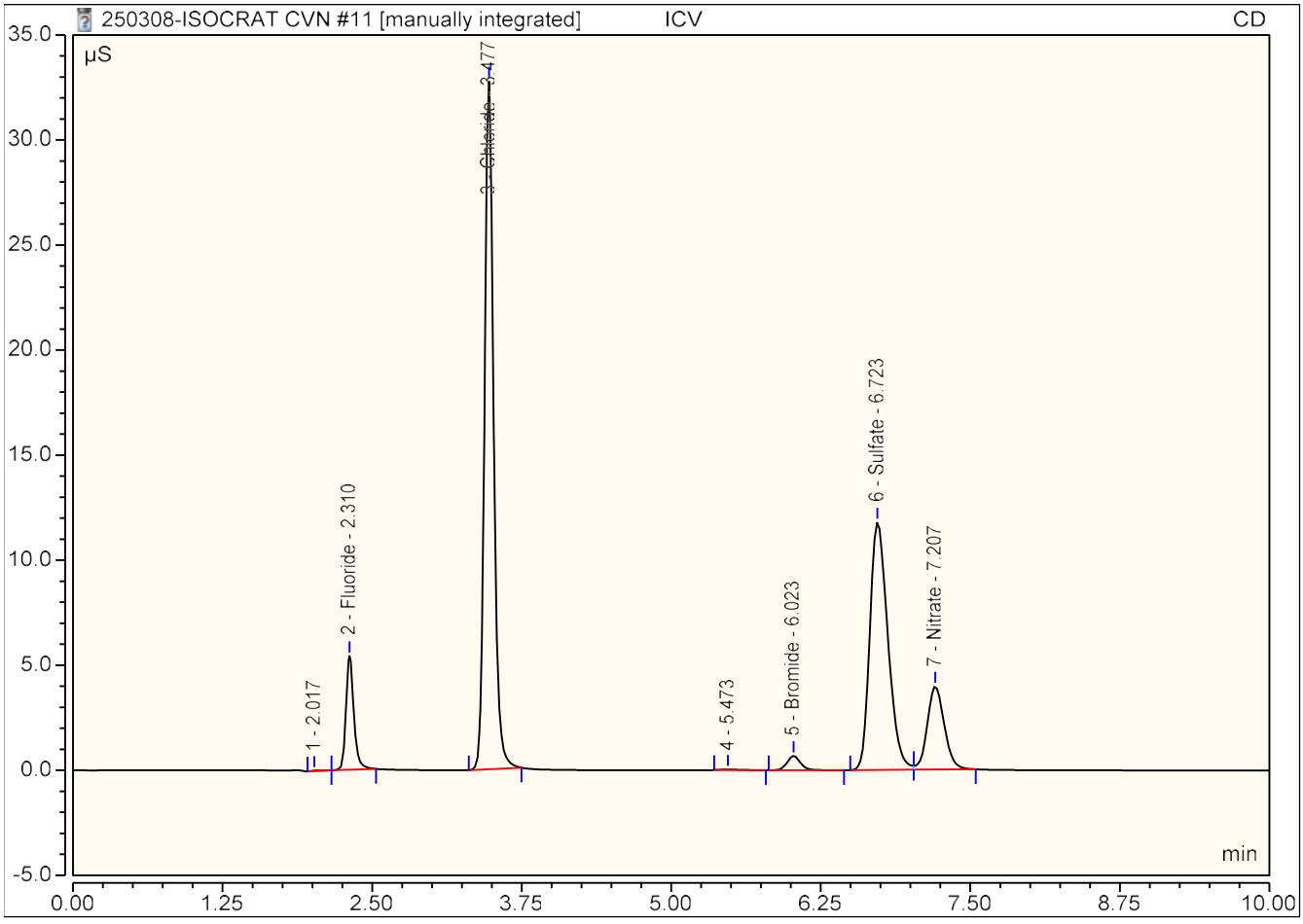
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.000	0.005	0.0315
5	3.47	**Chloride**	BMB	0.006	0.069	0.1634
7	6.79	**Sulfate**	BM *	0.003	0.015	0.3105
8	7.23	**Nitrate**	MB*	0.000	0.001	0.0255
TOTAL:				0.01	0.09	0.53



Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 10:04**	*Run Time:*	**10.00**

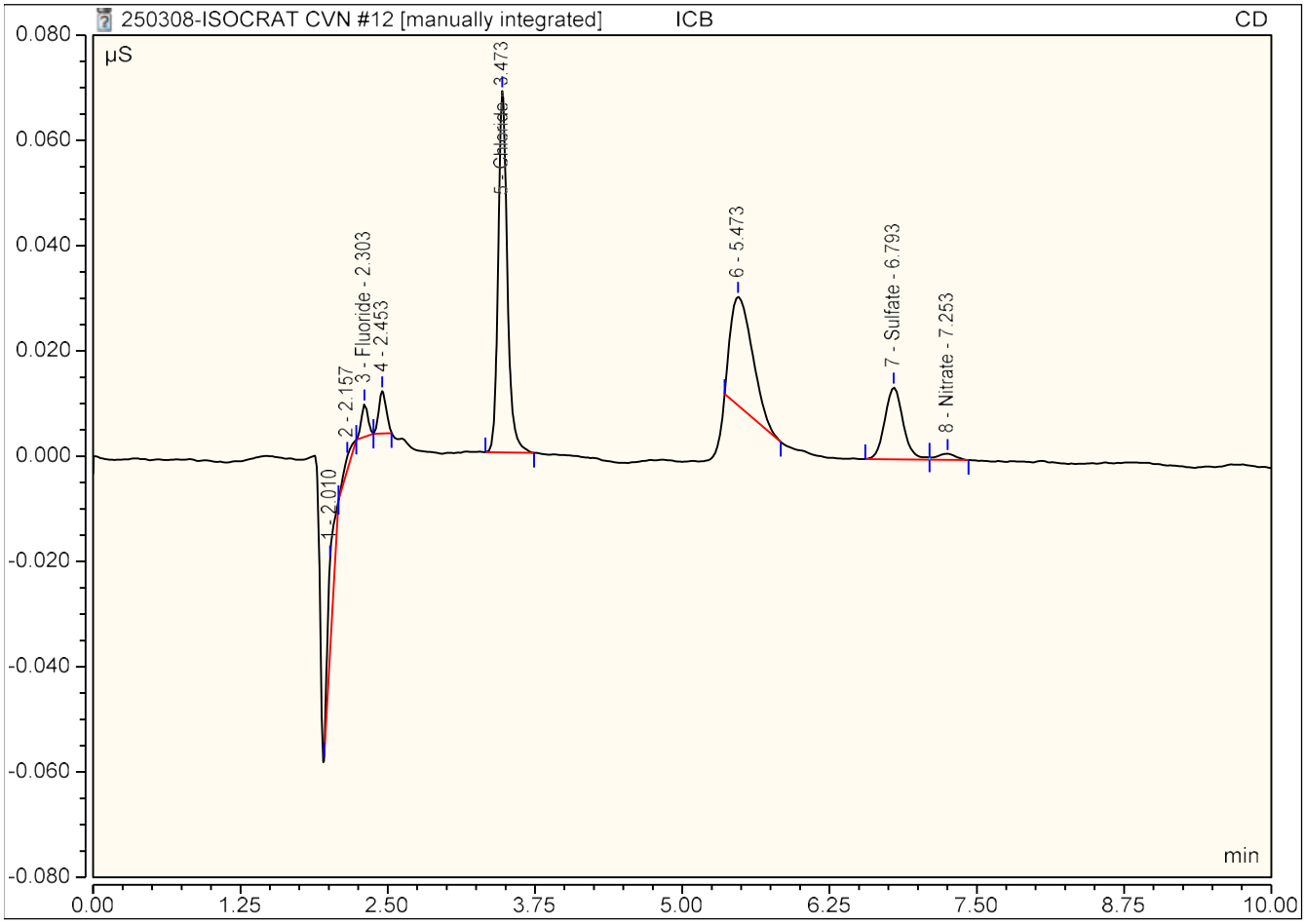
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.411	5.409	0.7737
3	3.48	**Chloride**	BMB	2.879	32.733	8.0610
5	6.02	**Bromide**	BMB	0.089	0.677	0.7384
6	6.72	**Sulfate**	BM *	2.057	11.783	7.8890
7	7.21	**Nitrate**	MB*	0.652	3.954	0.7600
TOTAL:				6.09	54.56	18.22



Peak Integration Report

Sample Name:	**ICB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 10:16**	*Run Time:*	**10.00**

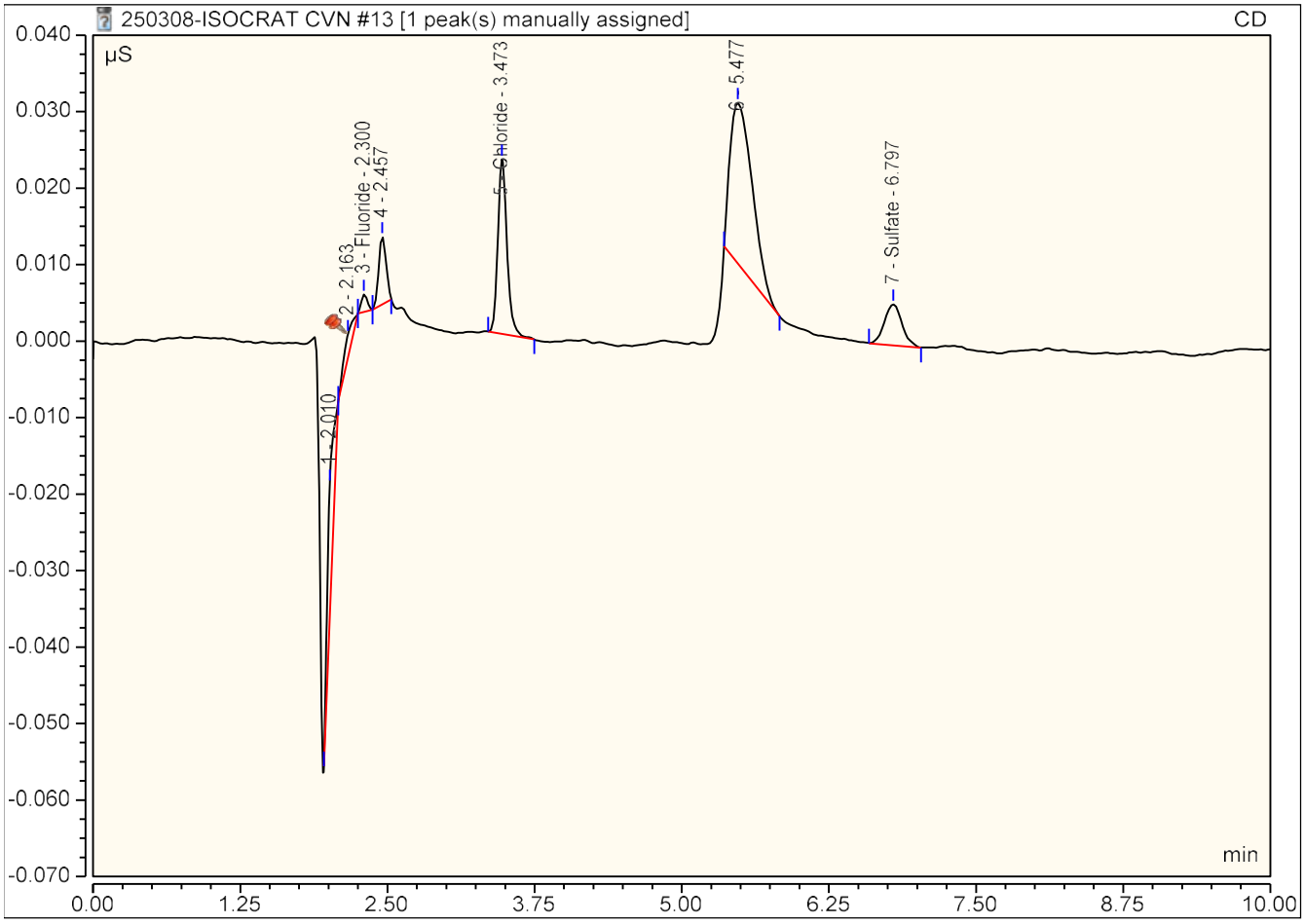
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.000	0.006	0.0317
5	3.47	**Chloride**	BMB	0.006	0.069	0.1630
7	6.79	**Sulfate**	BM *	0.002	0.014	0.3097
8	7.25	**Nitrate**	MB*	0.000	0.001	0.0256
TOTAL:				0.01	0.09	0.53



Peak Integration Report

Sample Name:	**BLK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 10:28**	*Run Time:*	**10.00**

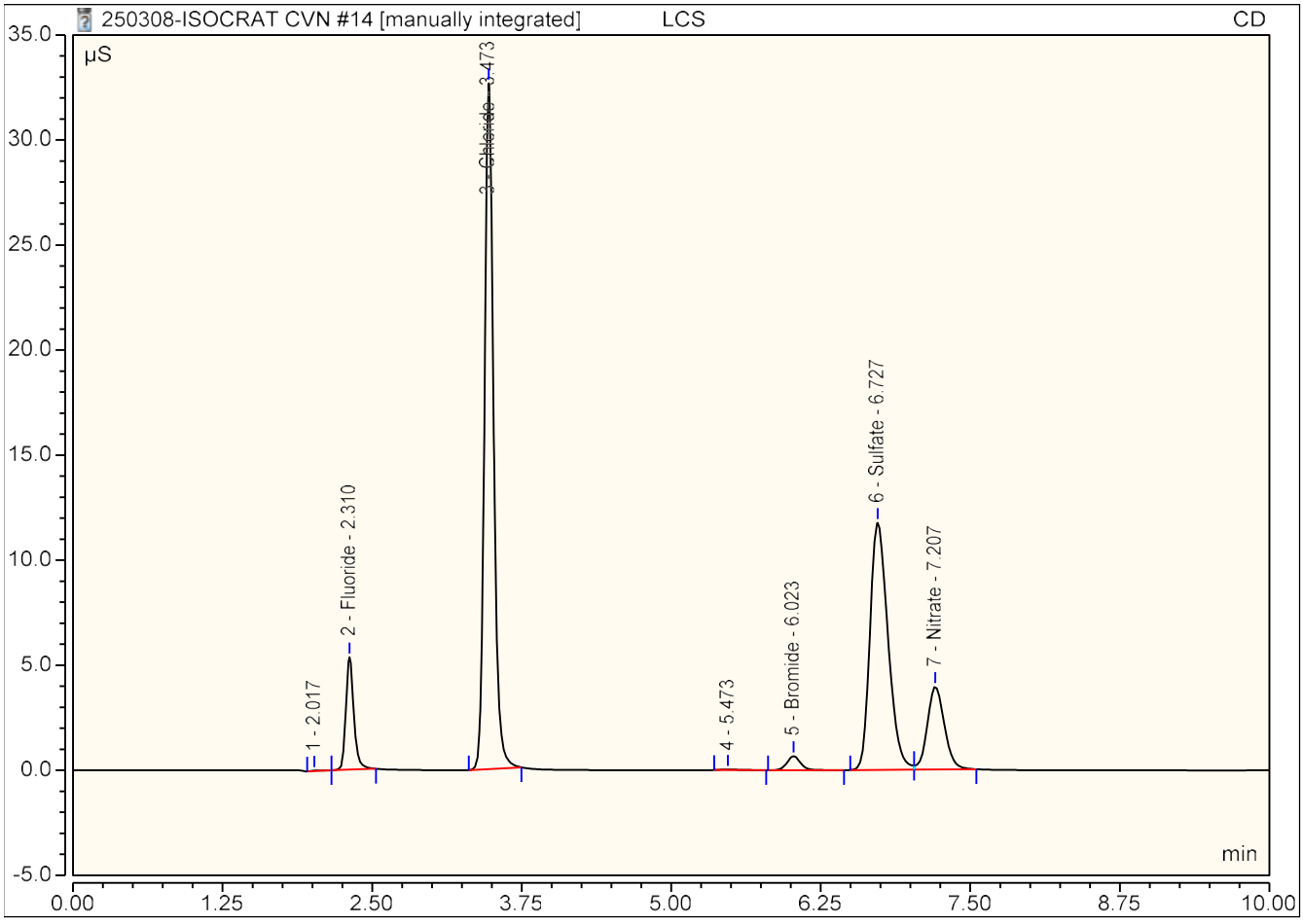
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.000	0.002	0.0312
5	3.47	**Chloride**	BMB	0.002	0.023	0.1516
7	6.80	**Sulfate**	BMB	0.001	0.005	0.3040
TOTAL:				0.00	0.03	0.49



Peak Integration Report

Sample Name:	**LCS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 10:40**	*Run Time:*	**10.00**

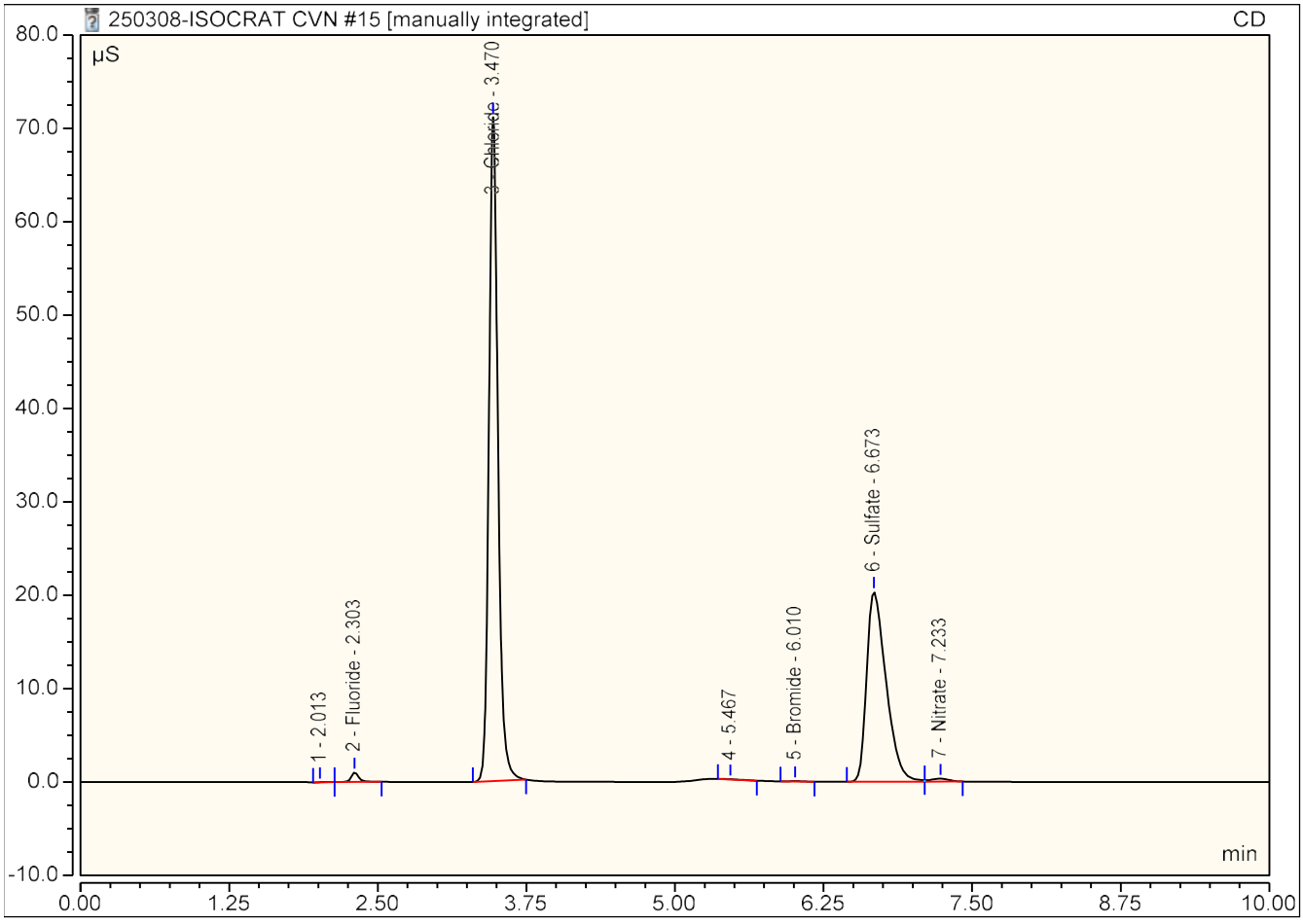
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.409	5.357	0.7695
3	3.47	**Chloride**	BMB	2.871	32.640	8.0377
5	6.02	**Bromide**	BMB	0.089	0.675	0.7365
6	6.73	**Sulfate**	BM *	2.054	11.765	7.8795
7	7.21	**Nitrate**	MB*	0.652	3.942	0.7594
TOTAL:				6.07	54.38	18.18



Peak Integration Report

Sample Name:	**L2511919-01 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 10:52**	*Run Time:*	**10.00**

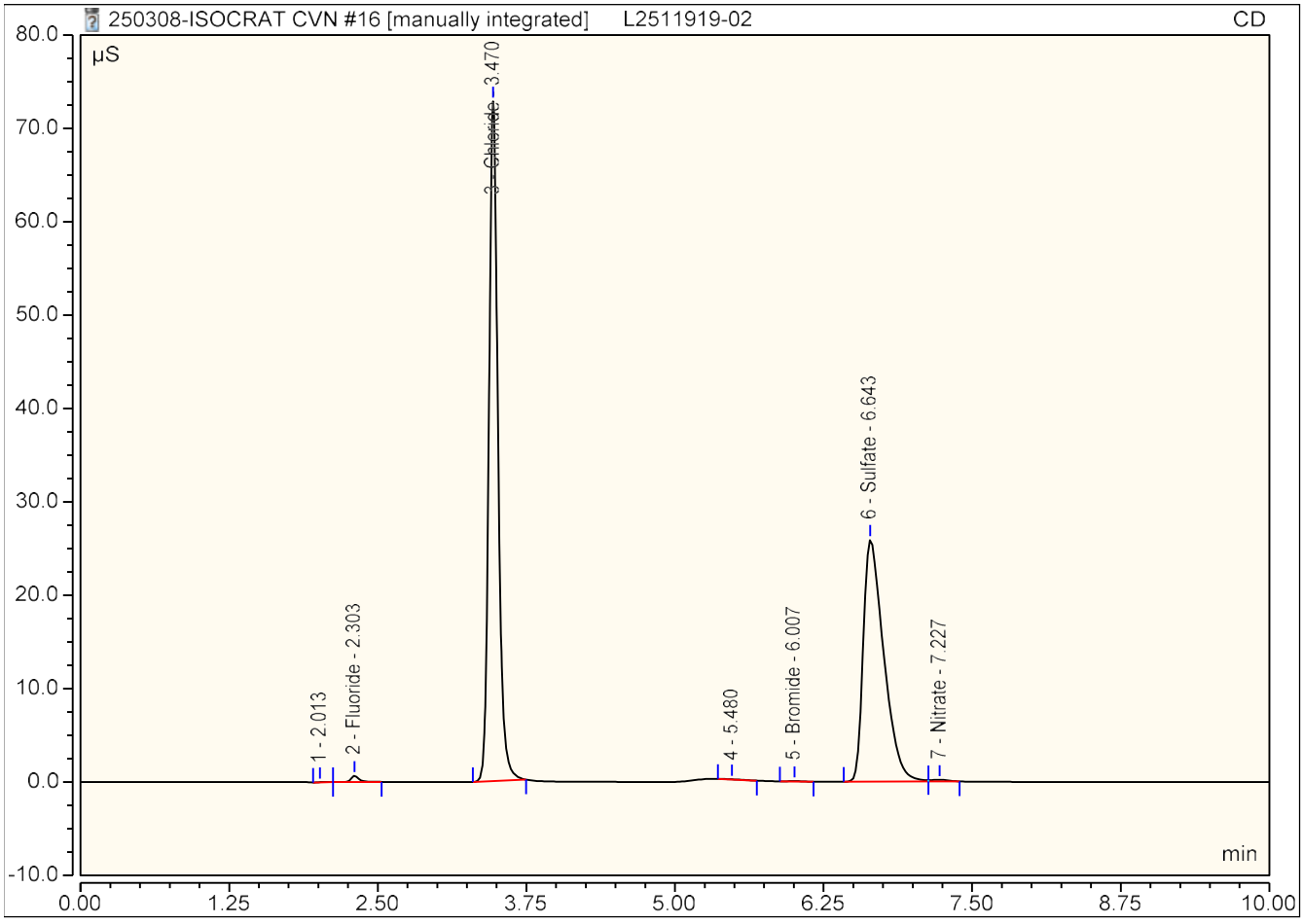
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.076	1.024	0.1677
3	3.47	**Chloride**	BMB	6.302	71.087	17.4715
5	6.01	**Bromide**	BMB	0.005	0.038	0.0599
6	6.67	**Sulfate**	BM *	3.855	20.353	14.5233
7	7.23	**Nitrate**	MB*	0.057	0.327	0.0894
TOTAL:				10.29	92.83	32.31



Peak Integration Report

Sample Name:	**L2511919-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 11:04**	*Run Time:*	**10.00**

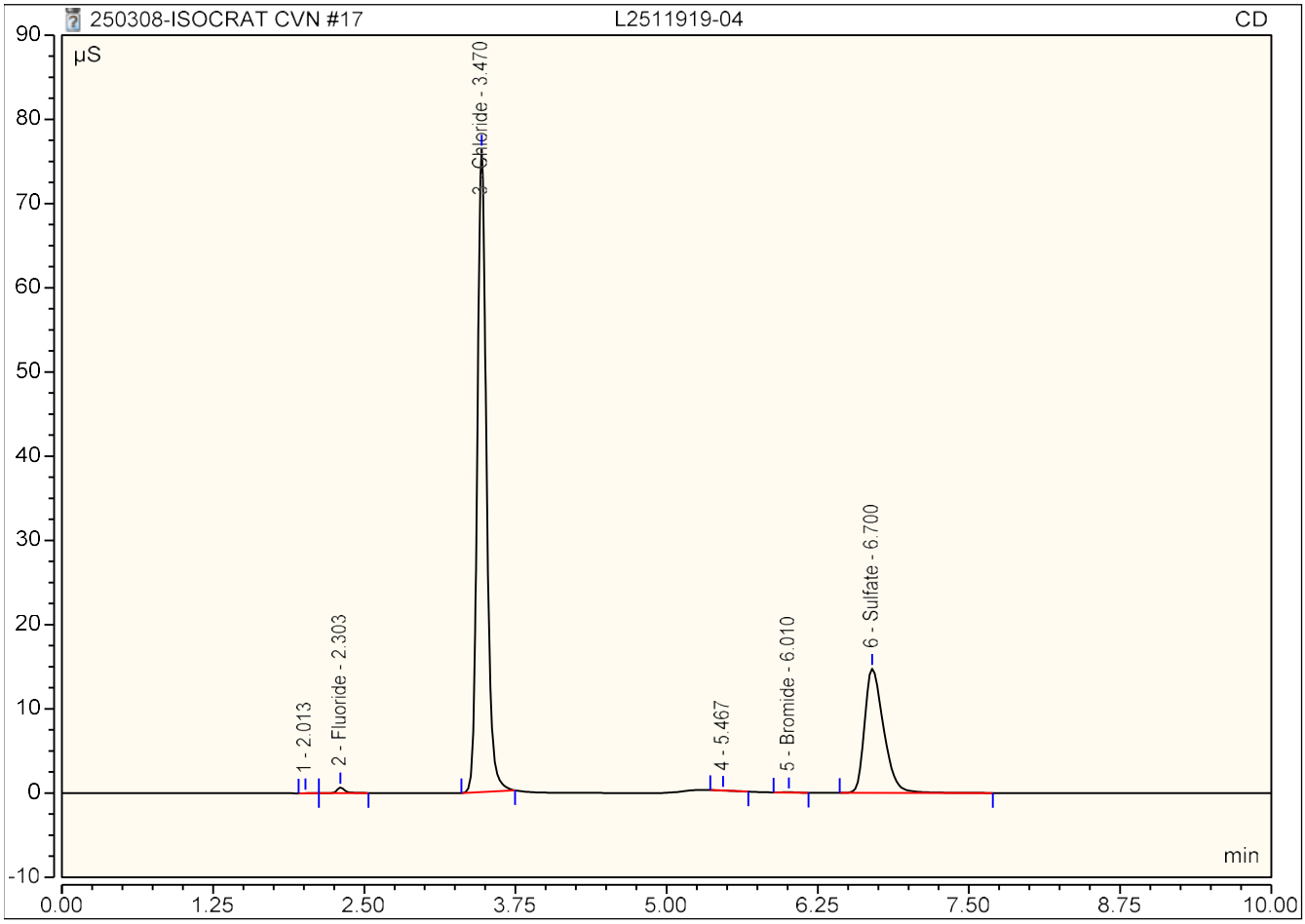
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.051	0.673	0.1222
3	3.47	**Chloride**	BMB	6.459	72.780	17.9024
5	6.01	**Bromide**	BMB	0.005	0.039	0.0610
6	6.64	**Sulfate**	BM *	5.195	25.919	19.4672
7	7.23	**Nitrate**	MB*	0.031	0.185	0.0601
TOTAL:				11.74	99.60	37.61



Peak Integration Report

Sample Name:	**L2511919-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 11:16**	*Run Time:*	**10.00**

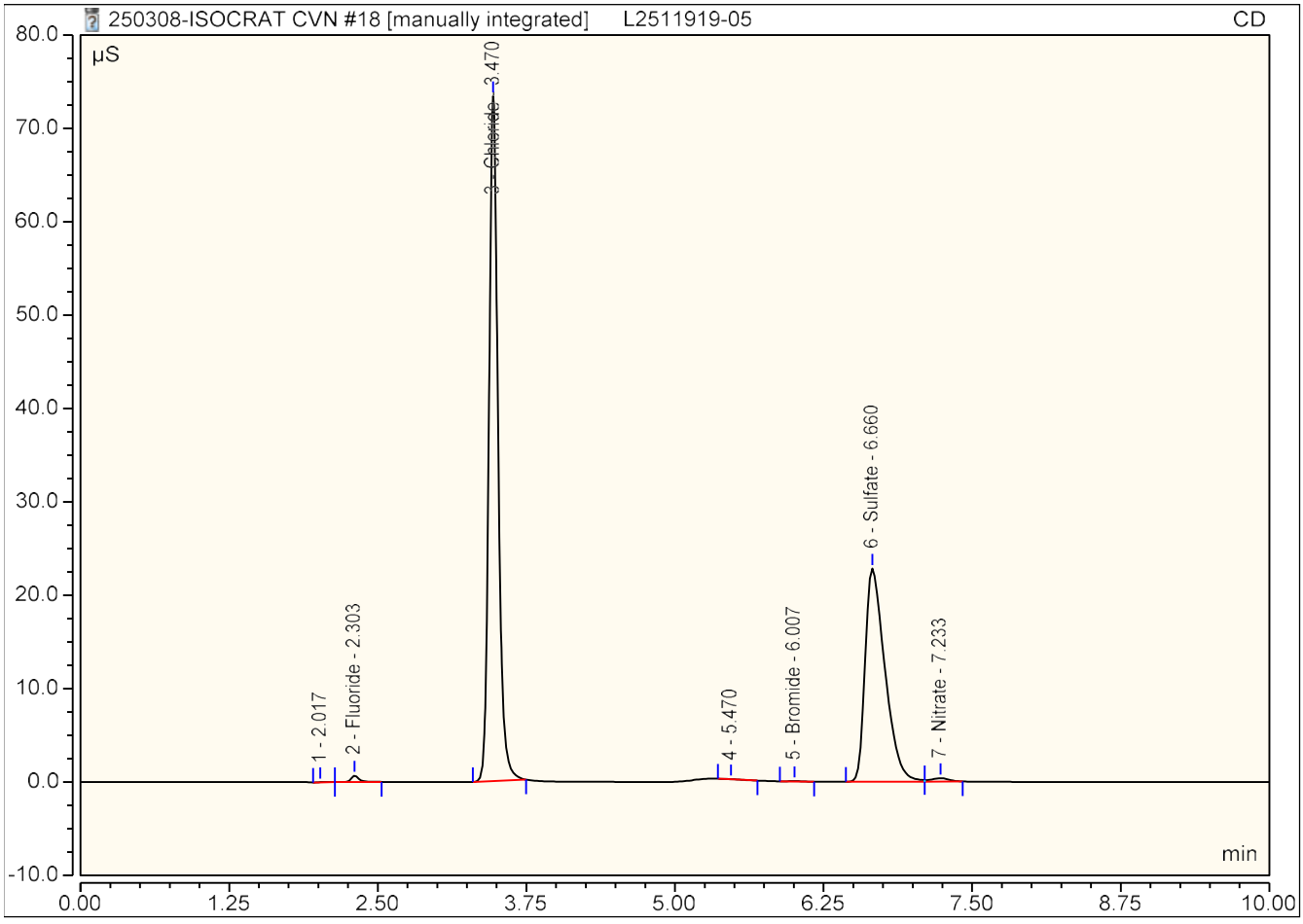
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.051	0.682	0.1230
3	3.47	**Chloride**	BMB	6.768	76.299	18.7538
5	6.01	**Bromide**	BMB	0.005	0.044	0.0669
6	6.70	**Sulfate**	BMB	2.693	14.763	10.2371
TOTAL:				9.52	91.79	29.18



Peak Integration Report

Sample Name:	**L2511919-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 11:28**	*Run Time:*	**10.00**

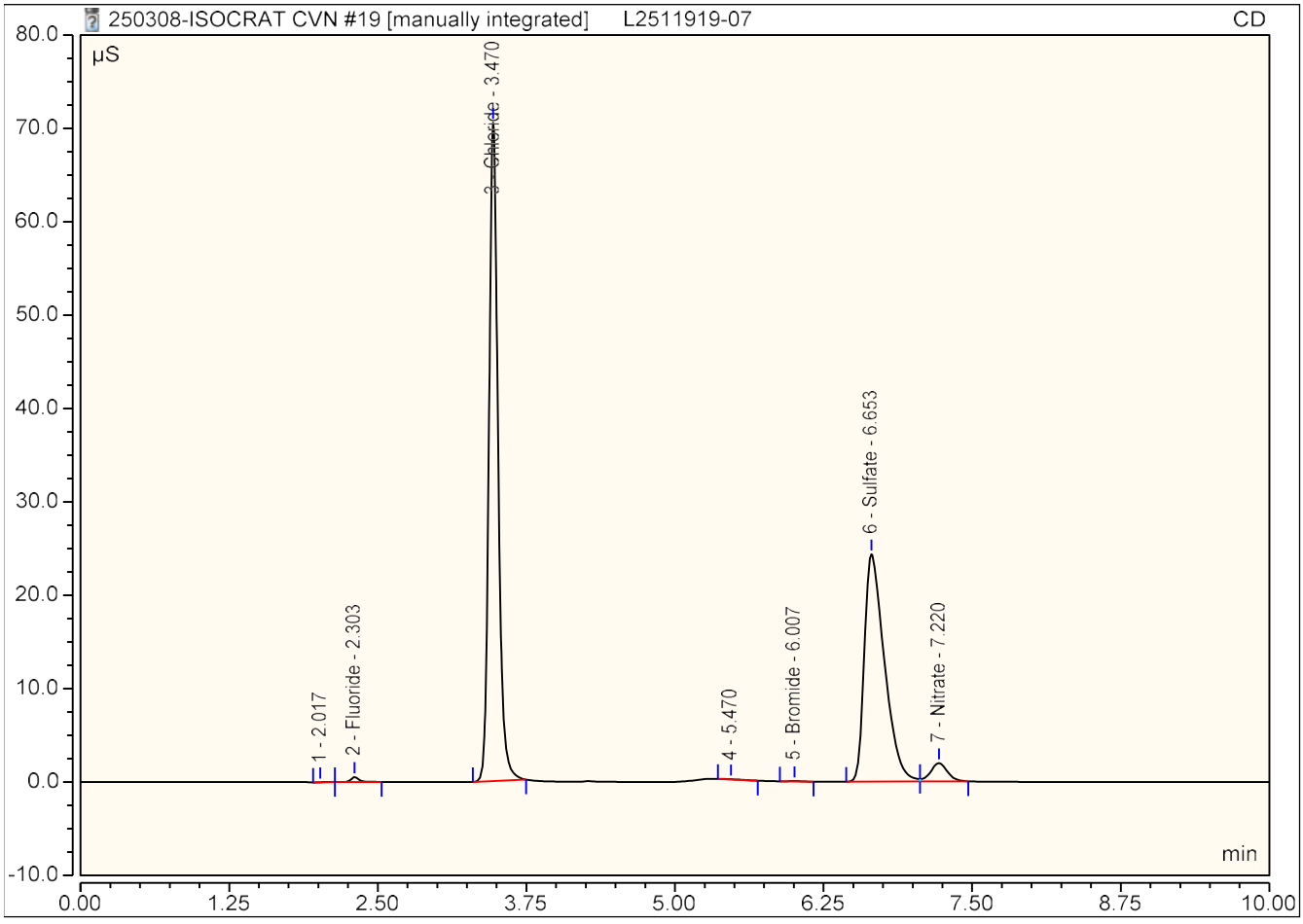
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.051	0.686	0.1236
3	3.47	**Chloride**	BMB	6.517	73.365	18.0632
5	6.01	**Bromide**	BMB	0.005	0.043	0.0656
6	6.66	**Sulfate**	BM *	4.424	22.815	16.6223
7	7.23	**Nitrate**	MB*	0.063	0.363	0.0965
TOTAL:				11.06	97.27	34.97



Peak Integration Report

Sample Name:	**L2511919-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 11:40**	*Run Time:*	**10.00**

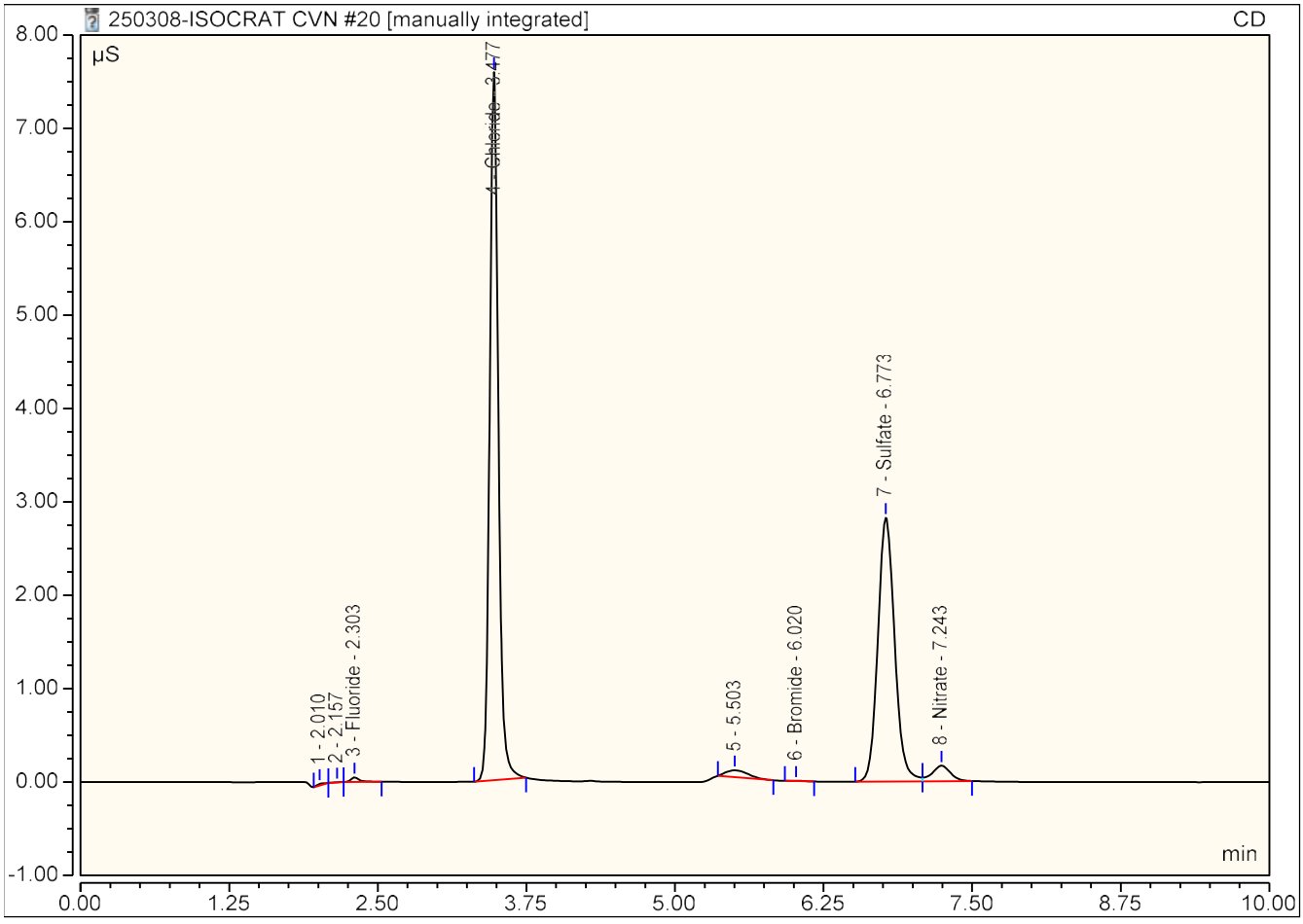
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.042	0.547	0.1060
3	3.47	**Chloride**	BMB	6.260	70.526	17.3561
5	6.01	**Bromide**	BMB	0.005	0.039	0.0612
6	6.65	**Sulfate**	BM *	4.779	24.353	17.9333
7	7.22	**Nitrate**	MB*	0.322	1.963	0.3883
TOTAL:				11.41	97.43	35.84



Peak Integration Report

Sample Name:	**XL2511919-07; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 11:52**	*Run Time:*	**10.00**

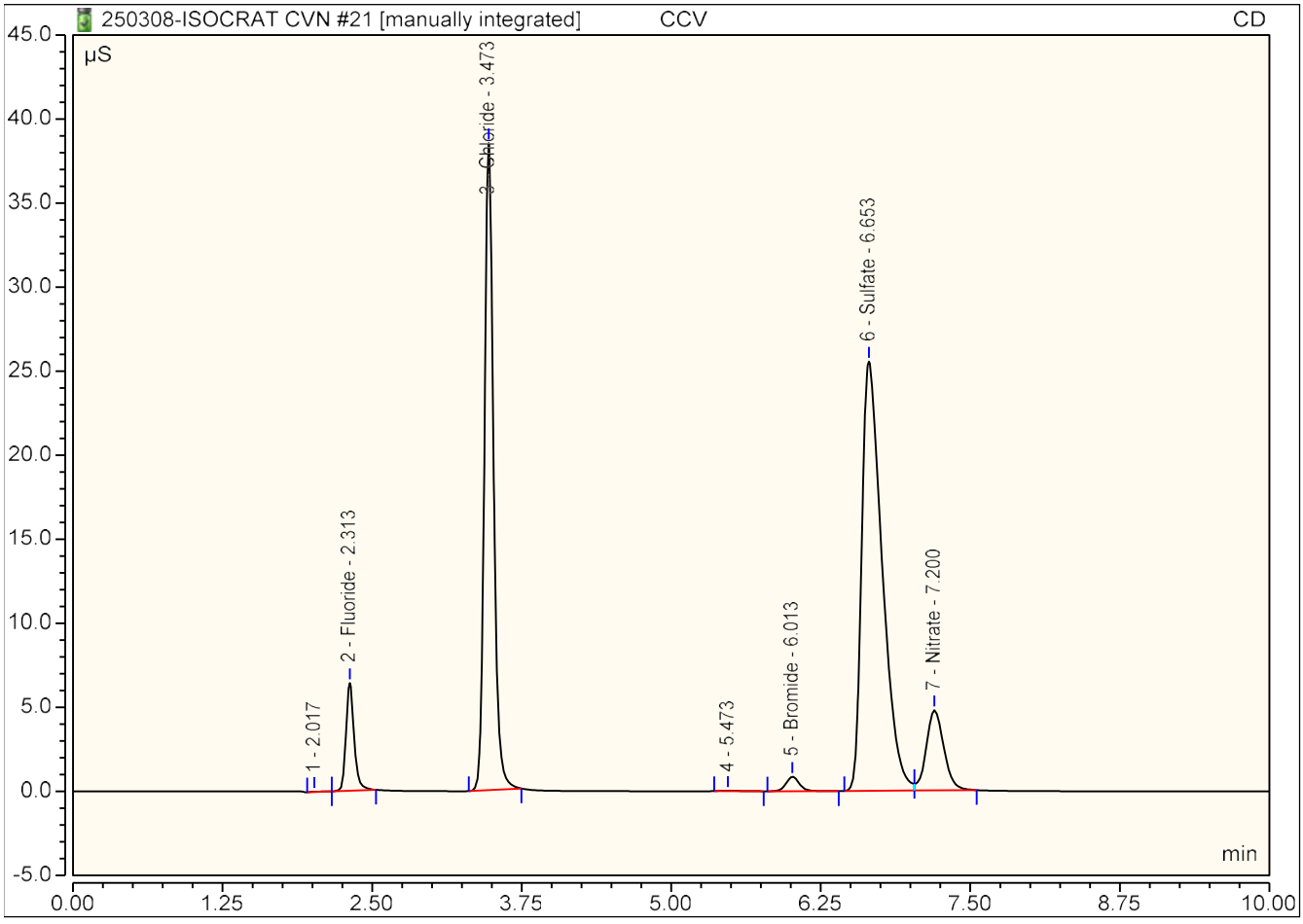
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.004	0.049	0.3827
4	3.48	**Chloride**	BMB	0.646	7.584	19.2271
6	6.02	**Bromide**	BMB	0.000	0.004	0.2718
7	6.77	**Sulfate**	BM *	0.462	2.826	20.0633
8	7.24	**Nitrate**	MB*	0.029	0.166	0.5851
TOTAL:				1.14	10.63	40.53



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 12:05**	*Run Time:*	**10.00**

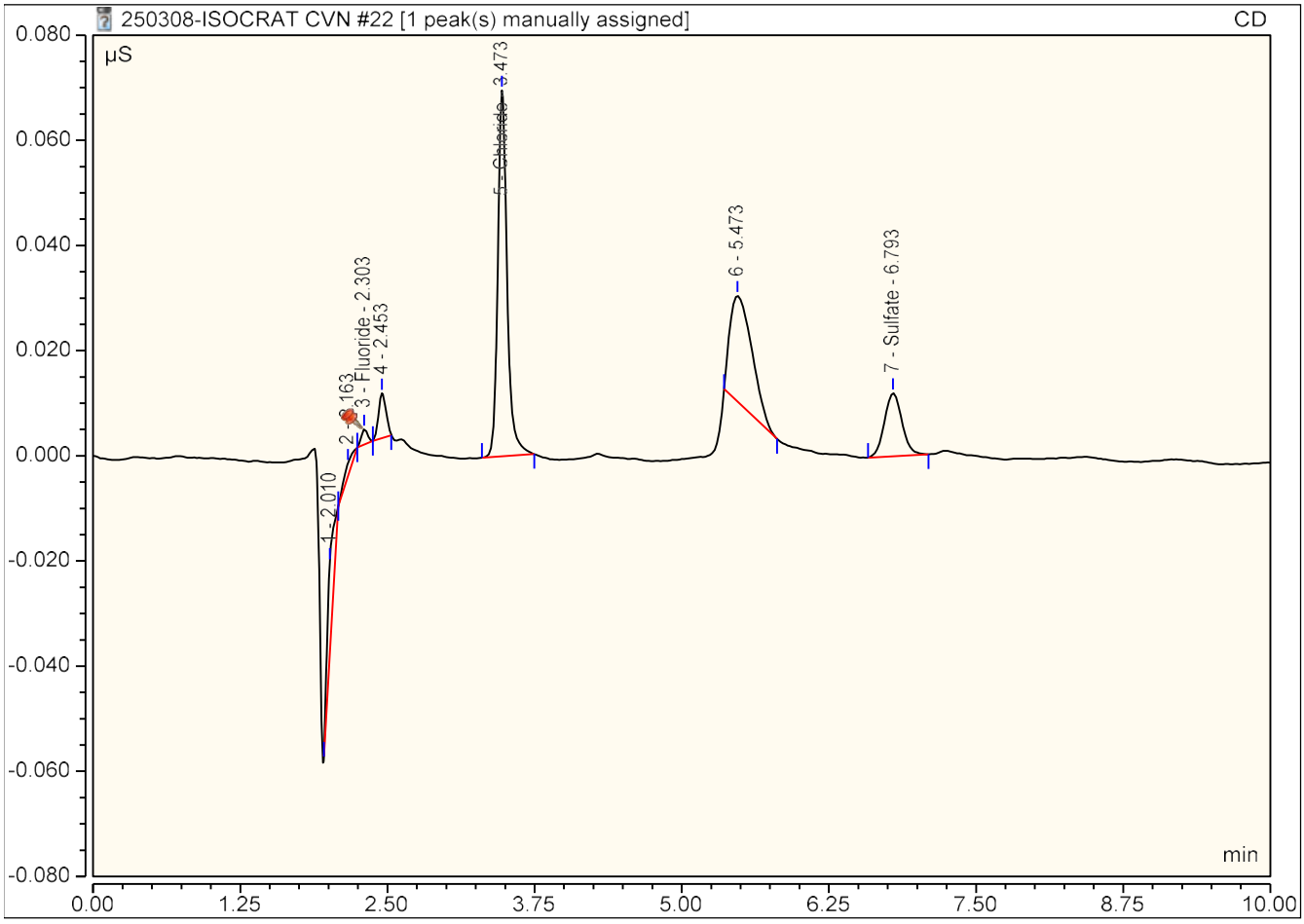
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.498	6.406	0.9305
3	3.47	**Chloride**	BMB	3.393	38.502	9.4750
5	6.01	**Bromide**	BMB	0.112	0.865	0.9218
6	6.65	**Sulfate**	BM *	5.054	25.540	18.9491
7	7.20	**Nitrate**	MB*	0.813	4.779	0.9407
TOTAL:				9.87	76.09	31.22



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 12:17**	*Run Time:*	**10.00**

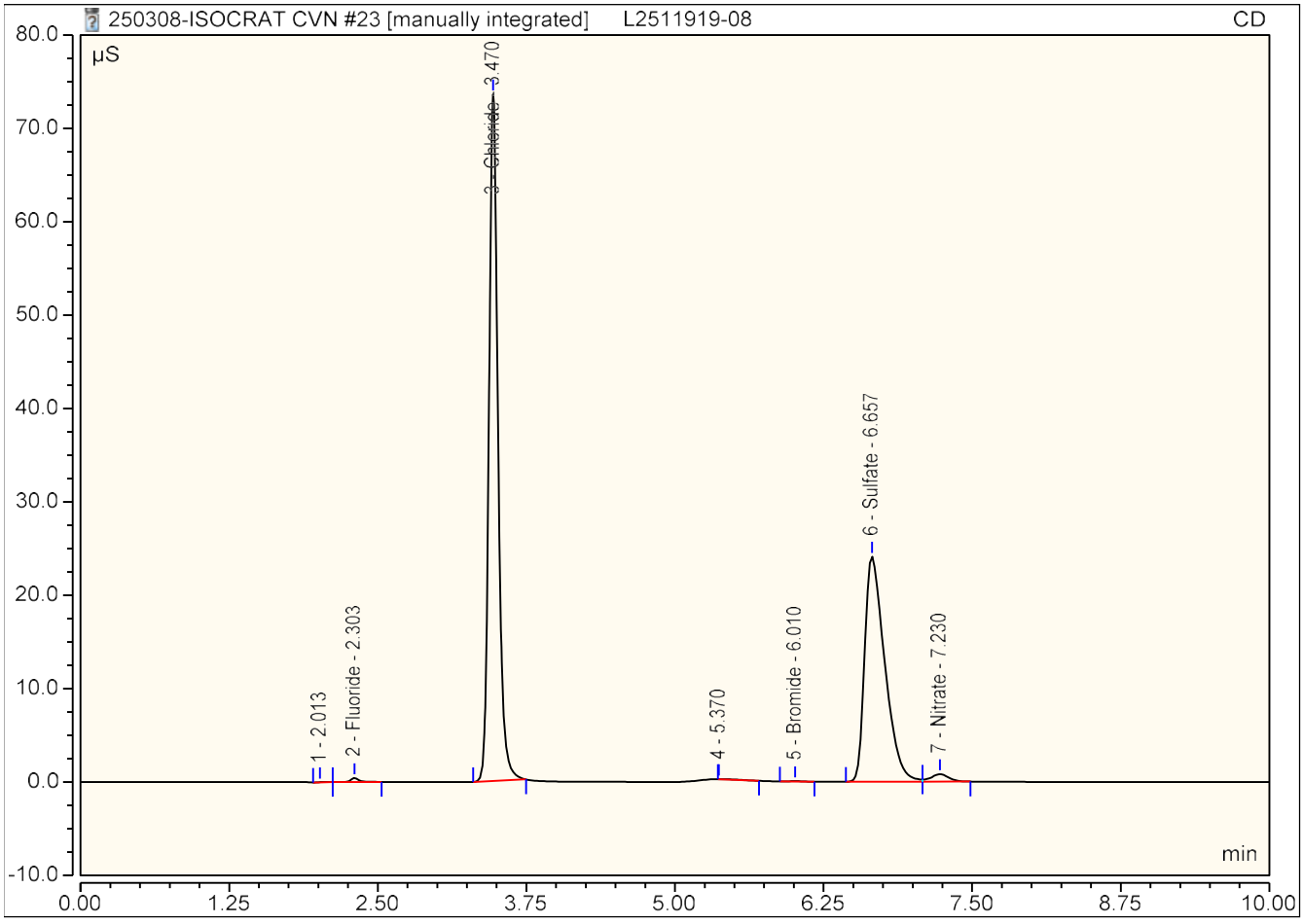
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB^	0.000	0.003	0.0313
5	3.47	**Chloride**	BMB	0.006	0.070	0.1635
7	6.79	**Sulfate**	BMB	0.002	0.012	0.3083
TOTAL:				0.01	0.08	0.50



Peak Integration Report

Sample Name:	**L2511919-08**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 12:29**	*Run Time:*	**10.00**

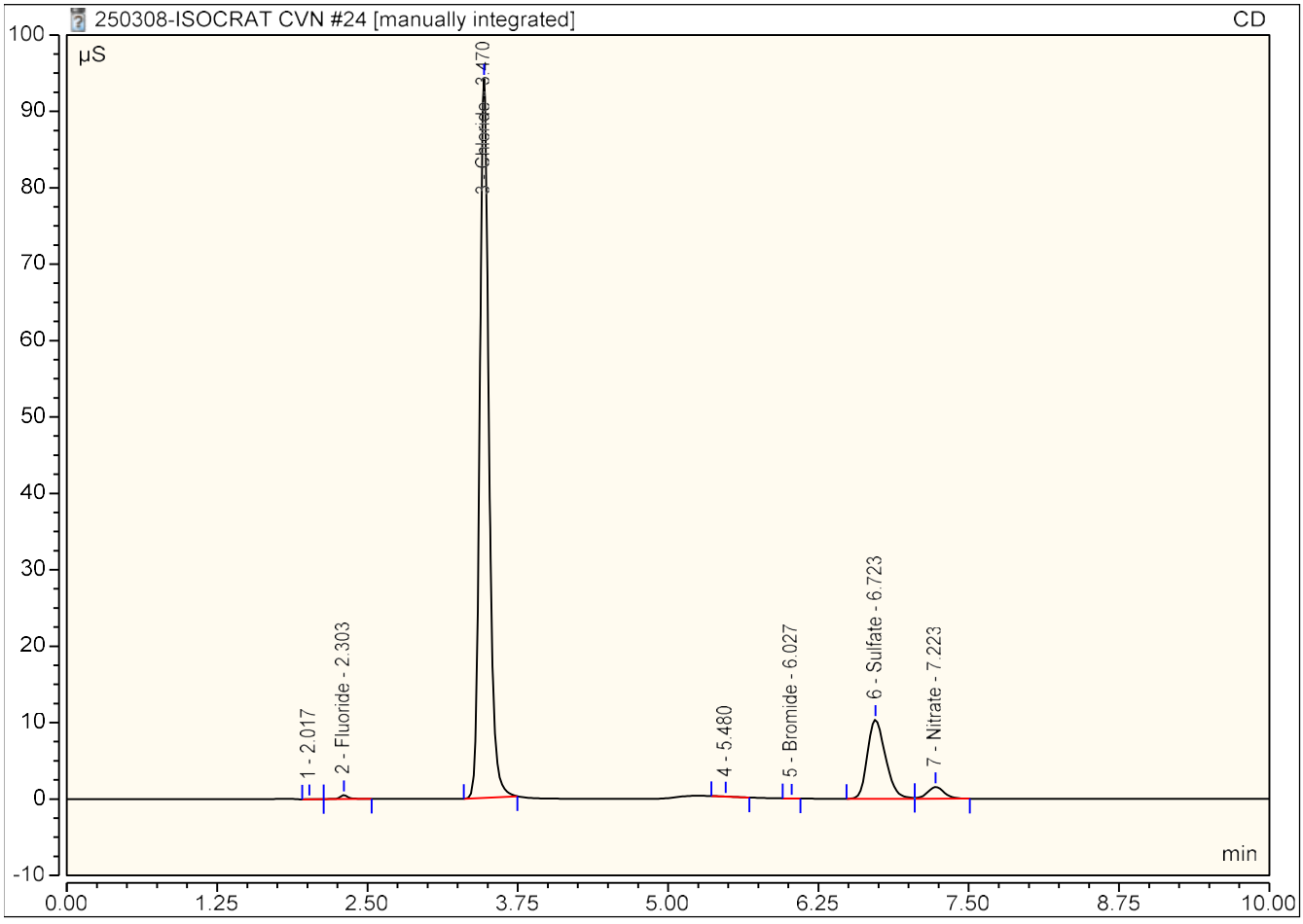
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.034	0.438	0.0921
3	3.47	**Chloride**	BMB	6.543	73.538	18.1338
5	6.01	**Bromide**	BMB	0.005	0.041	0.0629
6	6.66	**Sulfate**	BM *	4.740	24.118	17.7895
7	7.23	**Nitrate**	MB*	0.140	0.814	0.1835
TOTAL:				11.46	98.95	36.26



Peak Integration Report

Sample Name:	**L2511972-16 CL SO4 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 12:41**	*Run Time:*	**10.00**

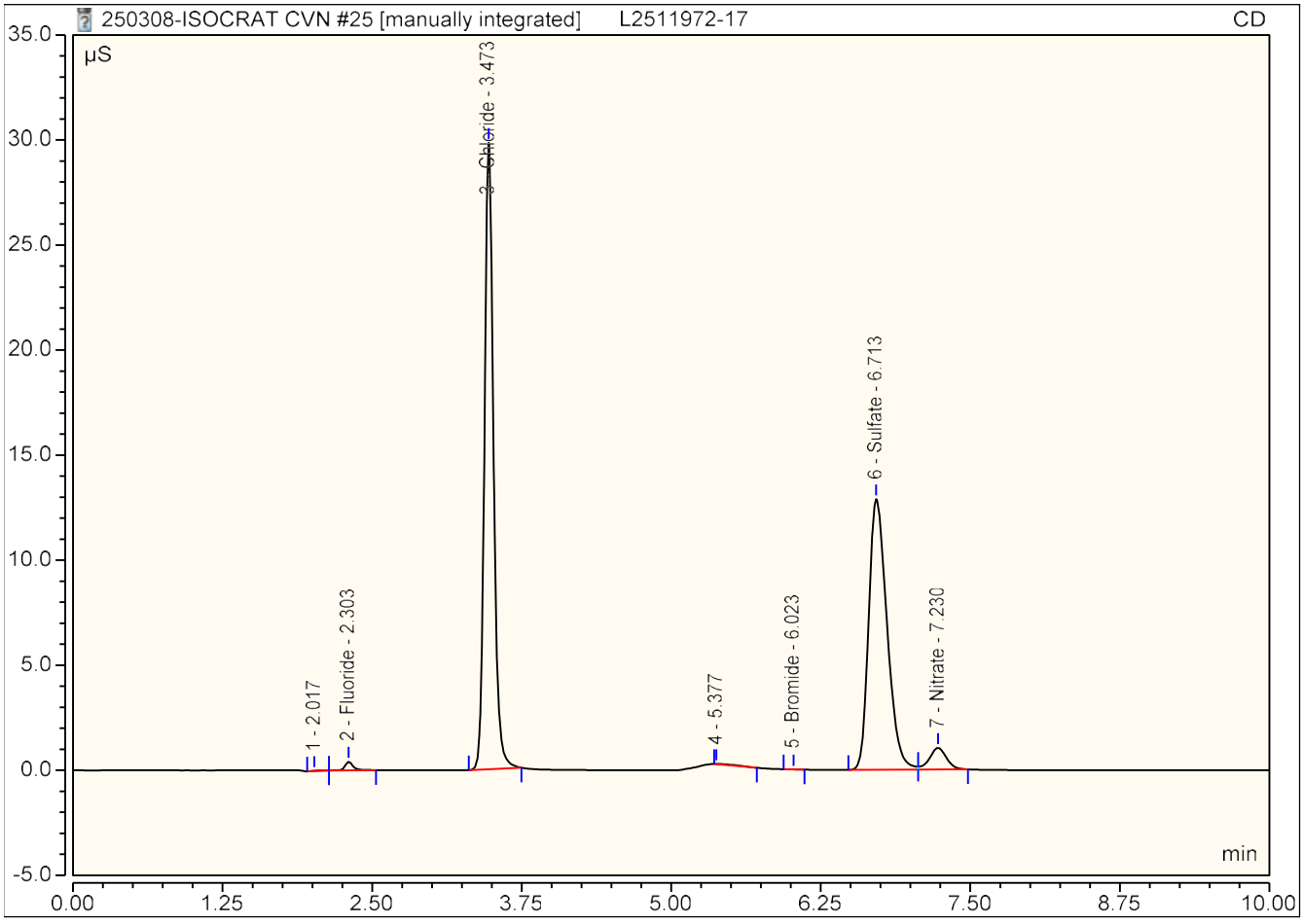
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.040	0.517	0.1023
3	3.47	**Chloride**	BMB	8.395	94.160	23.2246
5	6.03	**Bromide**	BMB	0.000	0.002	0.0245
6	6.72	**Sulfate**	BM *	1.807	10.351	6.9662
7	7.22	**Nitrate**	MB*	0.249	1.537	0.3063
TOTAL:				10.49	106.57	30.62



Peak Integration Report

Sample Name:	**L2511972-17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 12:53**	*Run Time:*	**10.00**

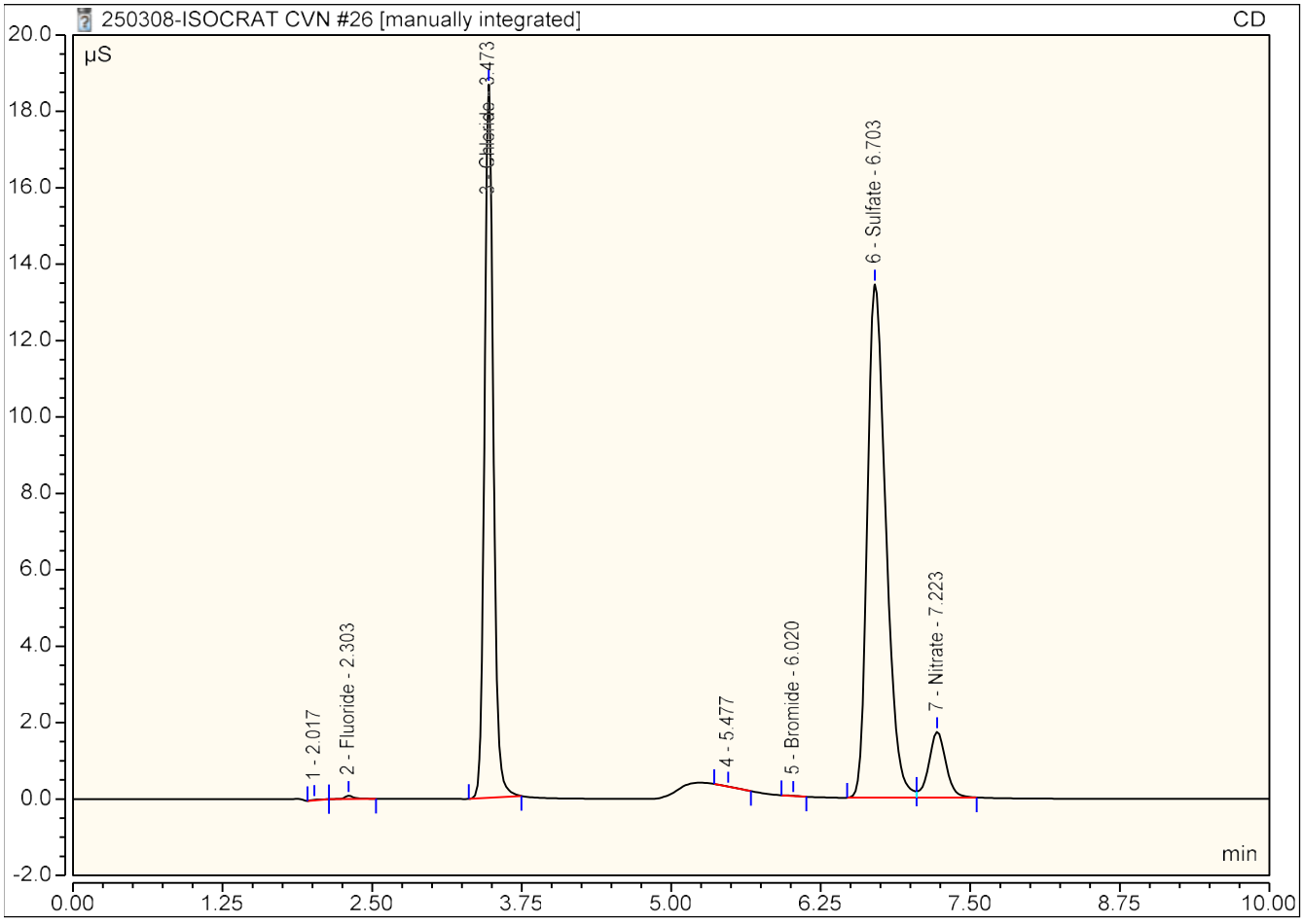
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.032	0.416	0.0888
3	3.47	**Chloride**	BMB	2.607	29.819	7.3134
5	6.02	**Bromide**	BMB	0.000	0.002	0.0251
6	6.71	**Sulfate**	BM *	2.284	12.883	8.7276
7	7.23	**Nitrate**	MB*	0.170	1.036	0.2170
TOTAL:				5.09	44.16	16.37



Peak Integration Report

Sample Name:	**L2511944-01 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 13:05**	*Run Time:*	**10.00**

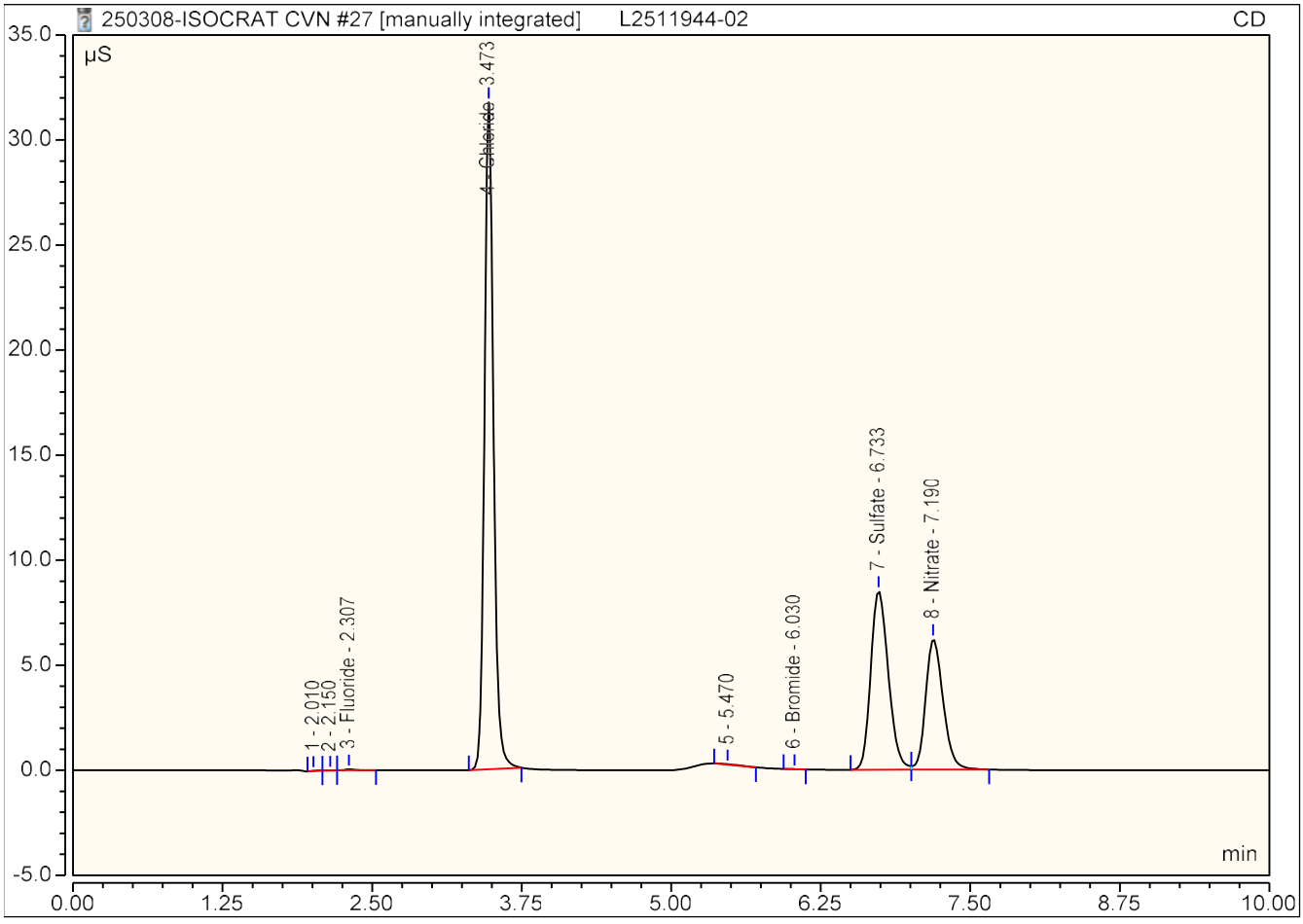
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.087	0.0453
3	3.47	**Chloride**	BMB	1.607	18.673	4.5652
5	6.02	**Bromide**	BMB	0.001	0.007	0.0292
6	6.70	**Sulfate**	BM *	2.405	13.438	9.1750
7	7.22	**Nitrate**	MB*	0.283	1.720	0.3441
TOTAL:				4.30	33.92	14.16



Peak Integration Report

Sample Name:	**L2511944-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 13:17**	*Run Time:*	**10.00**

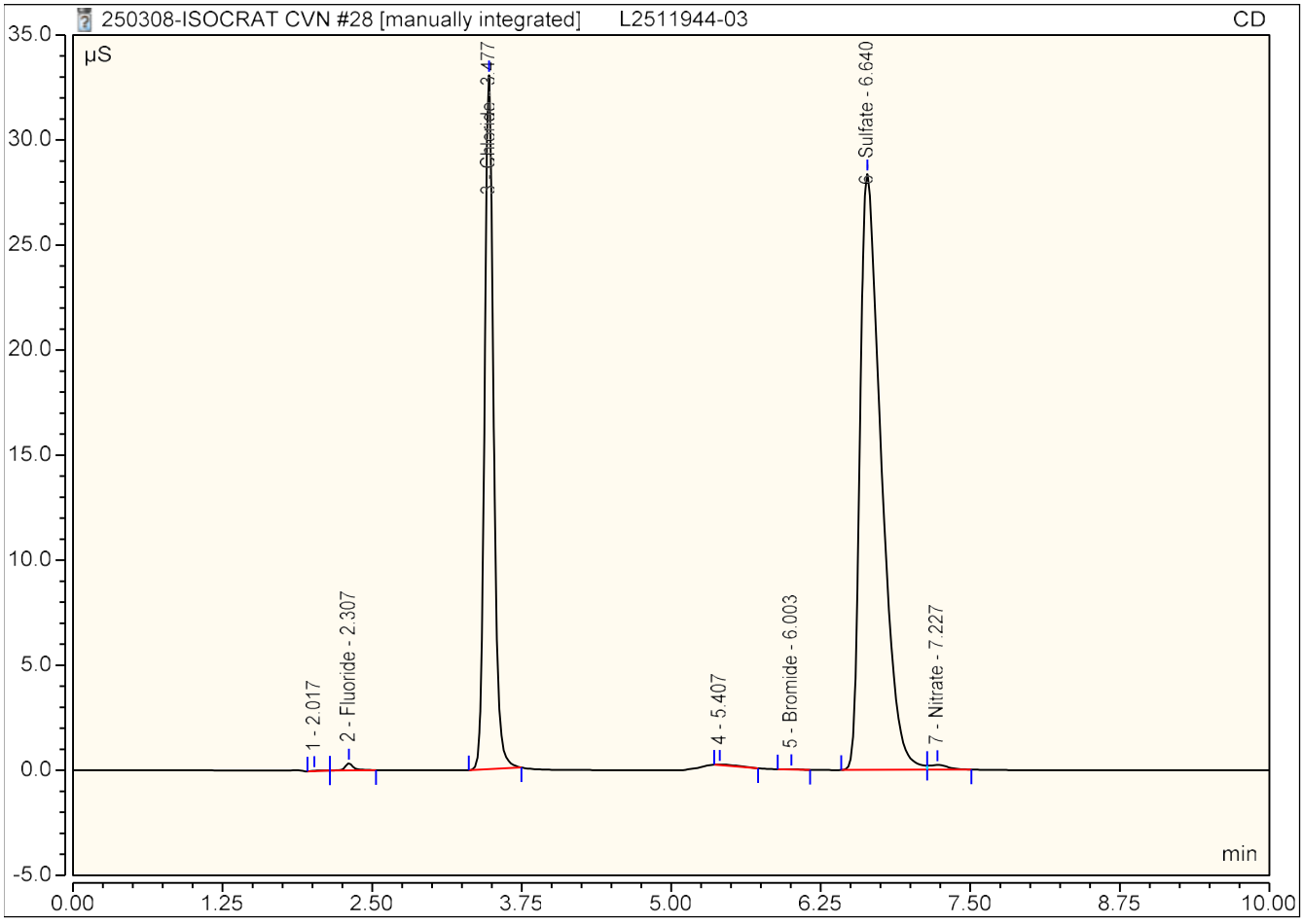
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.31	**Fluoride**	BMB	0.005	0.050	0.0396
4	3.47	**Chloride**	BMB	2.780	31.751	7.7902
6	6.03	**Bromide**	BMB	0.000	0.003	0.0256
7	6.73	**Sulfate**	BM *	1.448	8.514	5.6416
8	7.19	**Nitrate**	MB*	1.051	6.218	1.2095
TOTAL:				5.28	46.54	14.71



Peak Integration Report

Sample Name:	**L2511944-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 13:29**	*Run Time:*	**10.00**

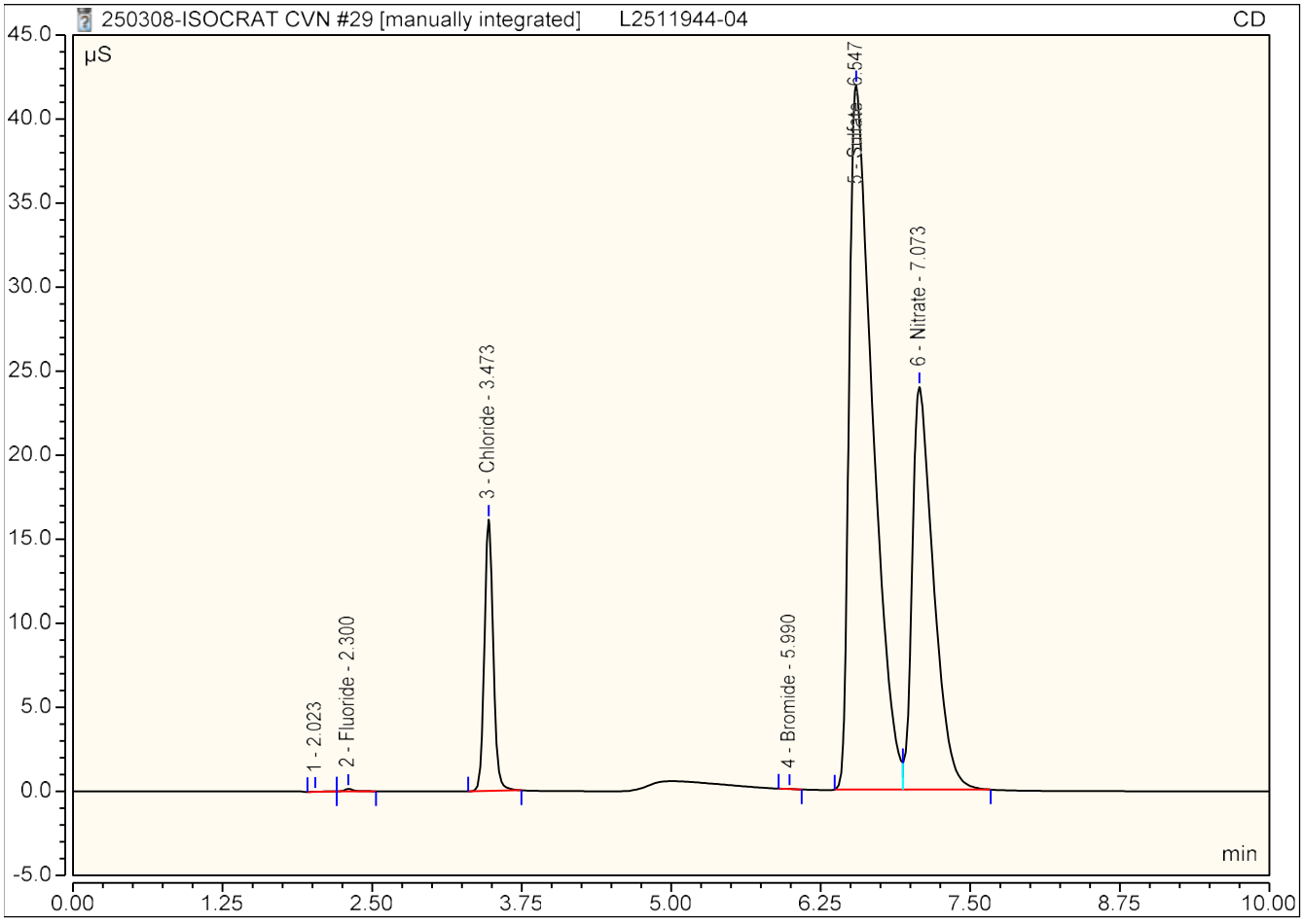
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.027	0.337	0.0794
3	3.48	**Chloride**	BMB	2.894	33.023	8.1027
5	6.00	**Bromide**	BMB	0.002	0.020	0.0424
6	6.64	**Sulfate**	BM *	5.806	28.360	21.7203
7	7.23	**Nitrate**	MB*	0.041	0.225	0.0718
TOTAL:				8.77	61.96	30.02



Peak Integration Report

Sample Name:	**L2511944-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 13:41**	*Run Time:*	**10.00**

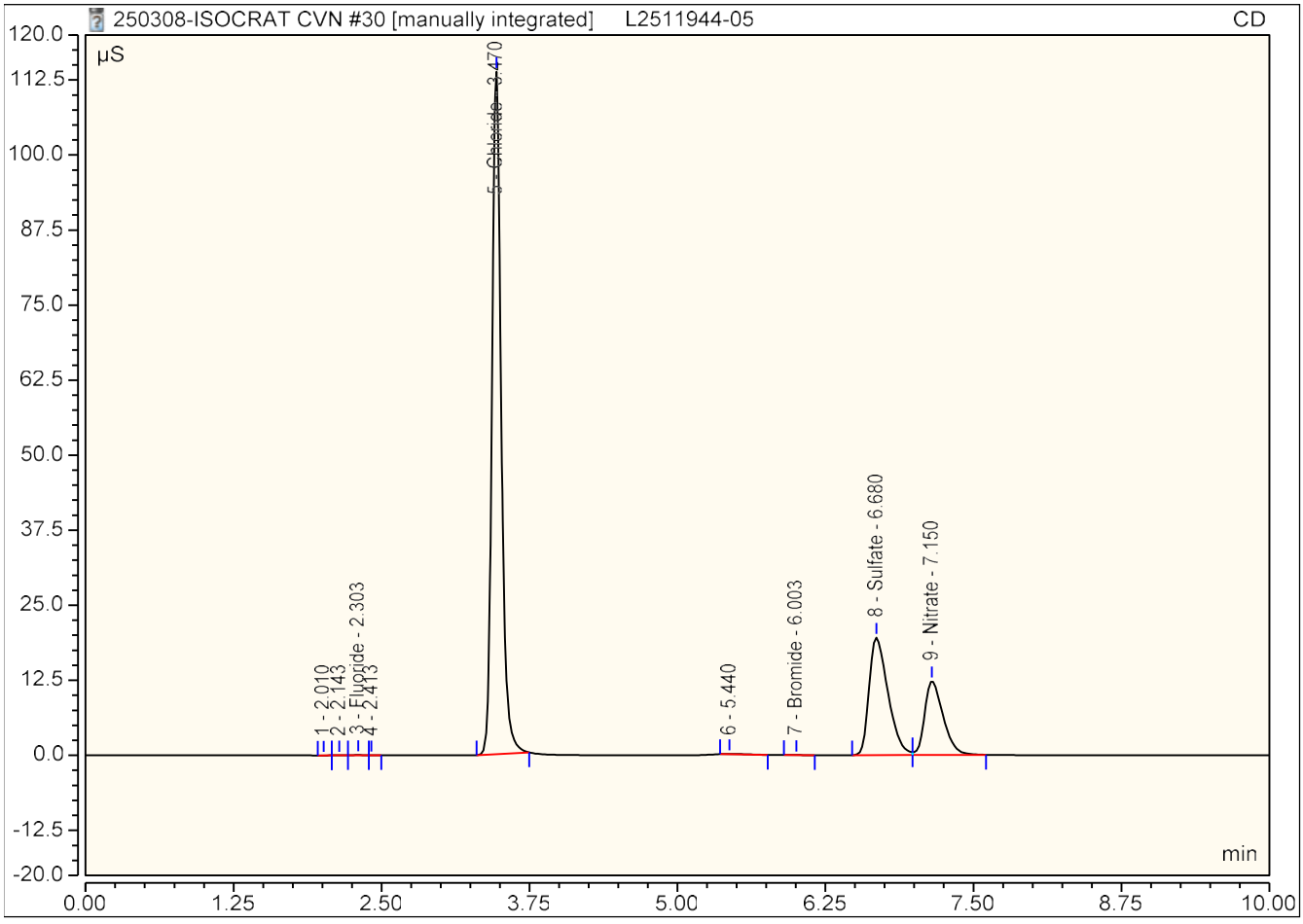
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.013	0.154	0.0535
3	3.47	**Chloride**	BMB	1.373	16.129	3.9198
4	5.99	**Bromide**	BMB	0.001	0.006	0.0285
5	6.55	**Sulfate**	BM *	9.568	41.895	35.6035
6	7.07	**Nitrate**	MB*	4.952	23.952	5.6040
TOTAL:				15.91	82.14	45.21



Peak Integration Report

Sample Name:	**L2511944-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 13:53**	*Run Time:*	**10.00**

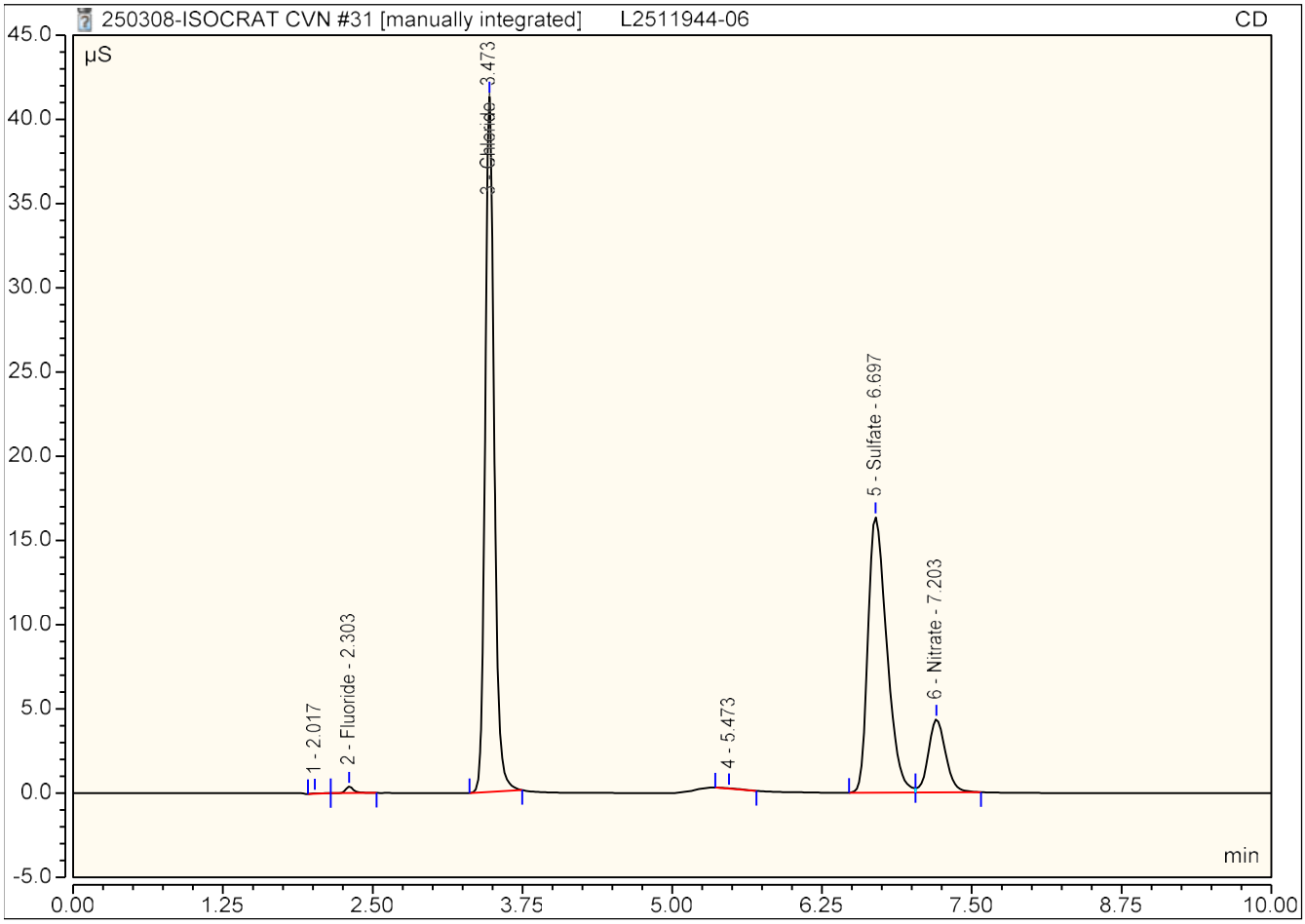
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.004	0.064	0.0386
5	3.47	**Chloride**	BMB	10.238	113.672	28.2941
7	6.00	**Bromide**	BMB	0.002	0.013	0.0359
8	6.68	**Sulfate**	BM *	3.620	19.562	13.6563
9	7.15	**Nitrate**	MB*	2.225	12.307	2.5317
TOTAL:				16.09	145.62	44.56



Peak Integration Report

Sample Name:	**L2511944-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 14:05**	*Run Time:*	**10.00**

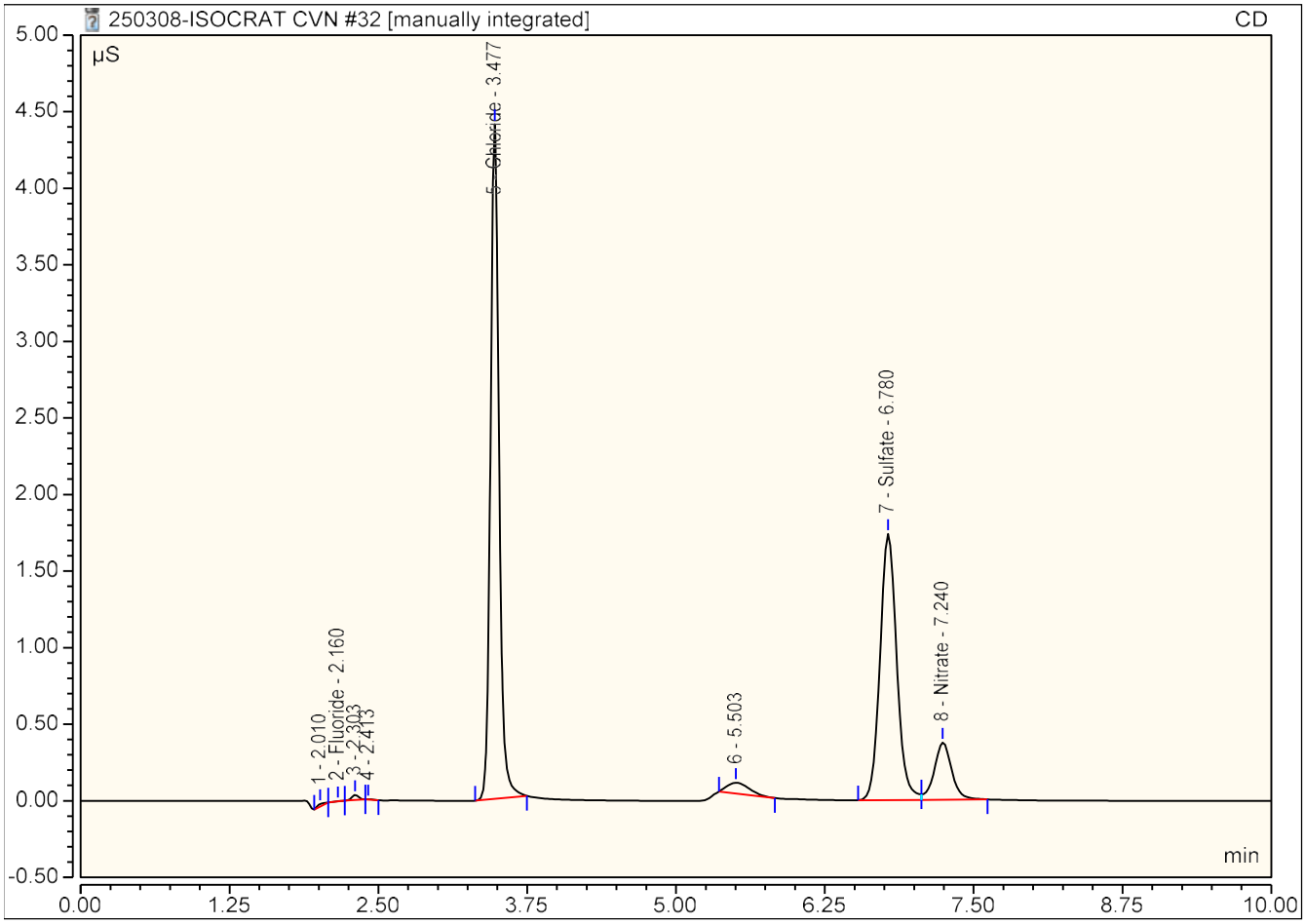
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.031	0.393	0.0865
3	3.47	**Chloride**	BMB	3.623	41.295	10.1057
5	6.70	**Sulfate**	BM *	2.981	16.360	11.2995
6	7.20	**Nitrate**	MB*	0.726	4.331	0.8428
TOTAL:				7.36	62.38	22.33



Peak Integration Report

Sample Name:	**XL2511944-06; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 14:17**	*Run Time:*	**10.00**

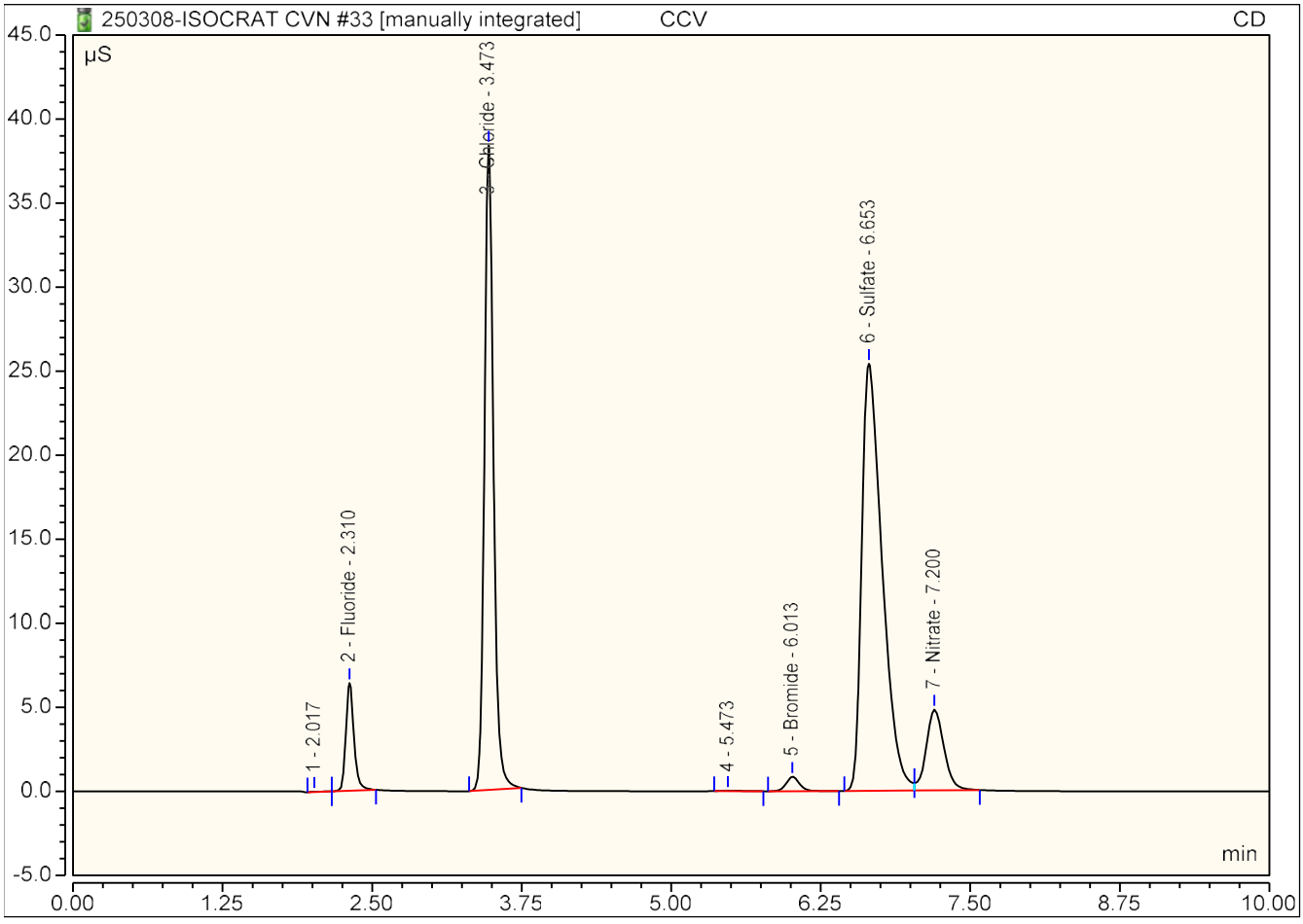
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.16	**Fluoride**	BMB	0.000	0.001	0.3115
5	3.48	**Chloride**	BMB	0.371	4.406	11.6611
7	6.78	**Sulfate**	BM *	0.282	1.739	13.4165
8	7.24	**Nitrate**	MB*	0.064	0.374	0.9711
TOTAL:				0.72	6.52	26.36



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 14:30**	*Run Time:*	**10.00**

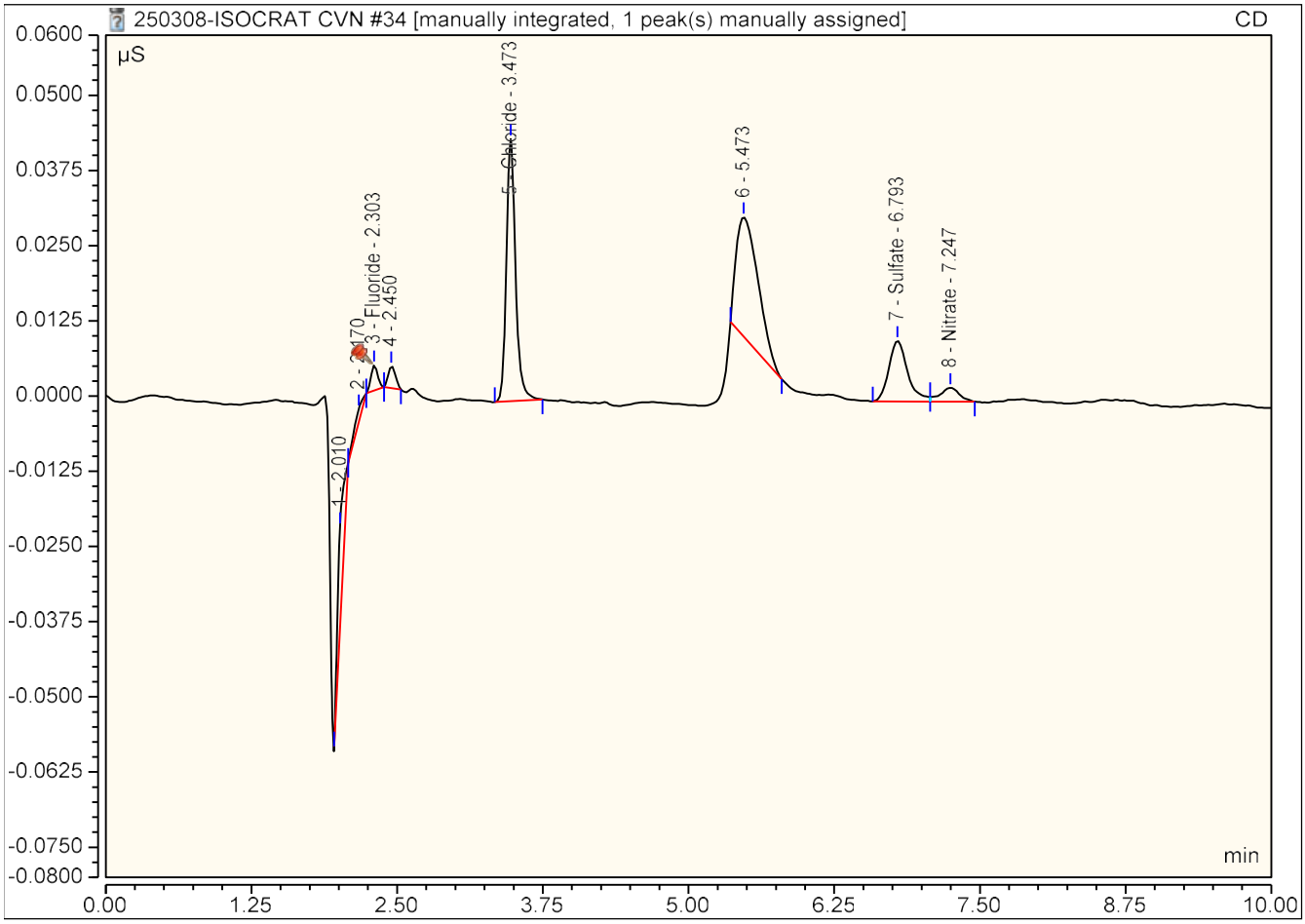
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.495	6.413	0.9251
3	3.47	**Chloride**	BMB	3.380	38.338	9.4394
5	6.01	**Bromide**	BMB	0.111	0.857	0.9138
6	6.65	**Sulfate**	BM *	5.032	25.410	18.8649
7	7.20	**Nitrate**	MB*	0.826	4.806	0.9556
TOTAL:				9.84	75.82	31.10



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 14:42**	*Run Time:*	**10.00**

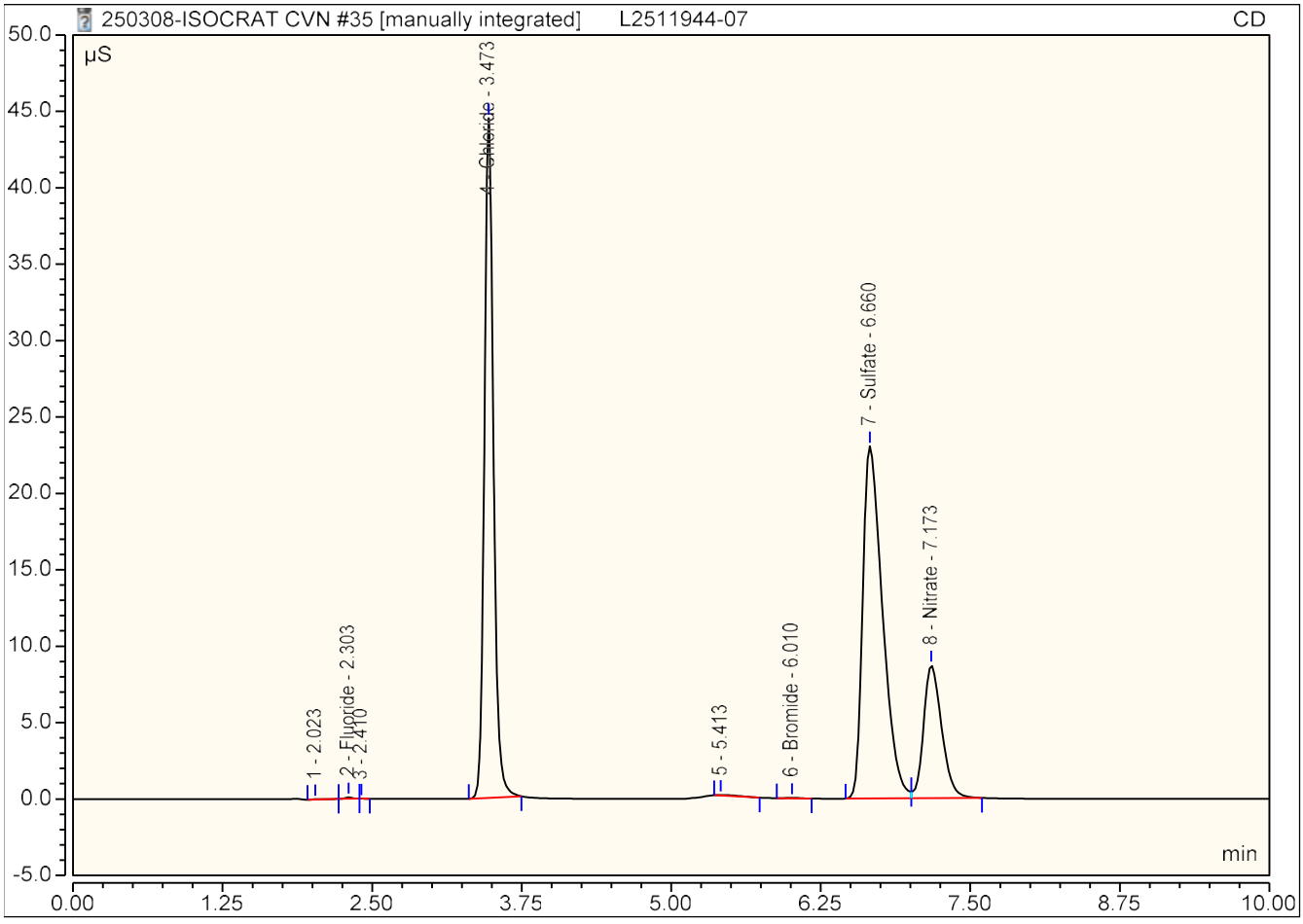
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB^	0.000	0.004	0.0315
5	3.47	**Chloride**	BMB	0.004	0.044	0.1568
7	6.79	**Sulfate**	BM *	0.002	0.010	0.3076
8	7.25	**Nitrate**	MB*	0.000	0.002	0.0258
TOTAL:				0.01	0.06	0.52



Peak Integration Report

Sample Name:	**L2511944-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 14:54**	*Run Time:*	**10.00**

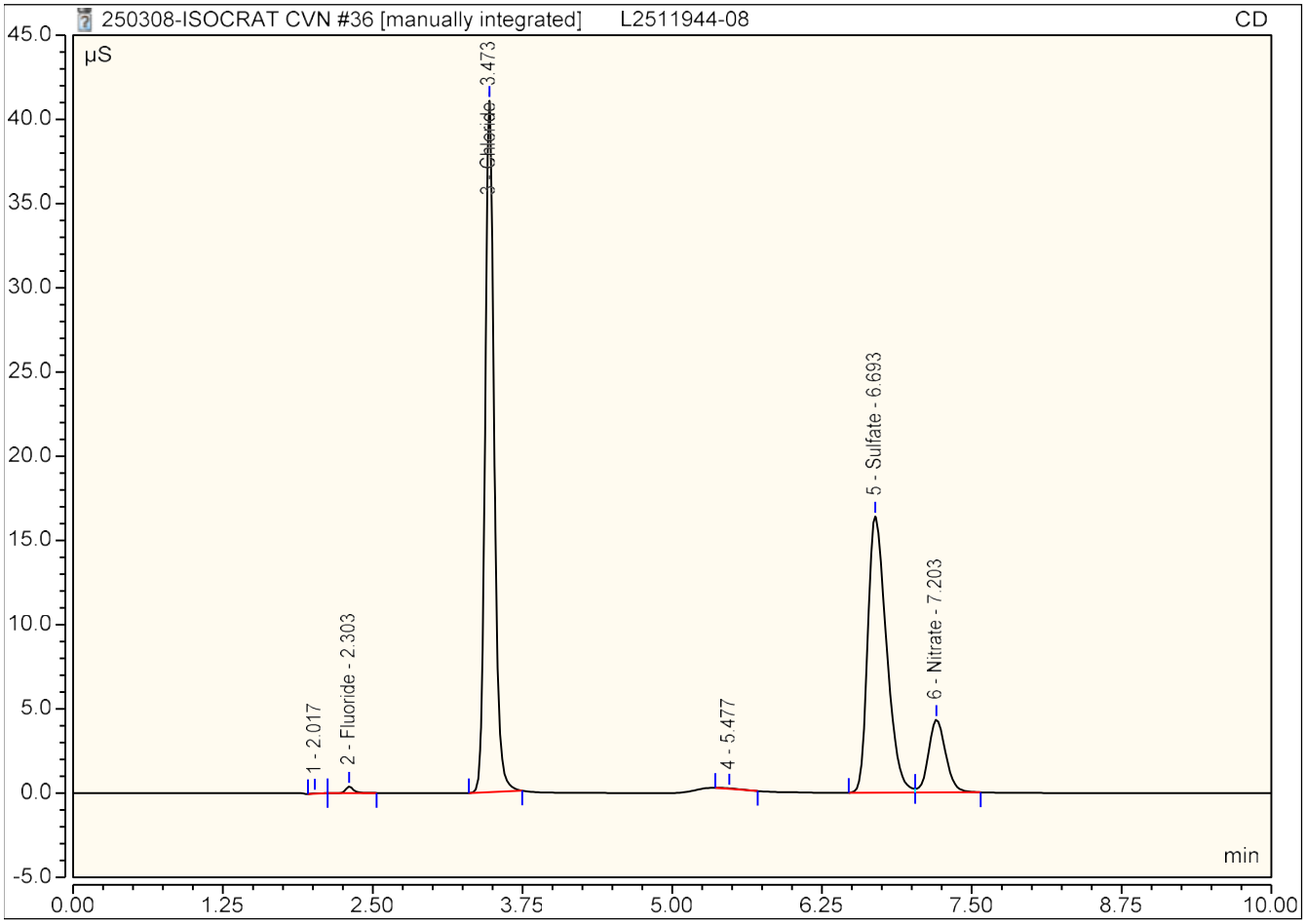
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.006	0.095	0.0423
4	3.47	**Chloride**	BMB	3.924	44.476	10.9354
6	6.01	**Bromide**	BMB	0.004	0.036	0.0590
7	6.66	**Sulfate**	BM *	4.423	23.044	16.6182
8	7.17	**Nitrate**	MB*	1.521	8.693	1.7384
TOTAL:				9.88	76.35	29.39



Peak Integration Report

Sample Name:	**L2511944-08**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 15:06**	*Run Time:*	**10.00**

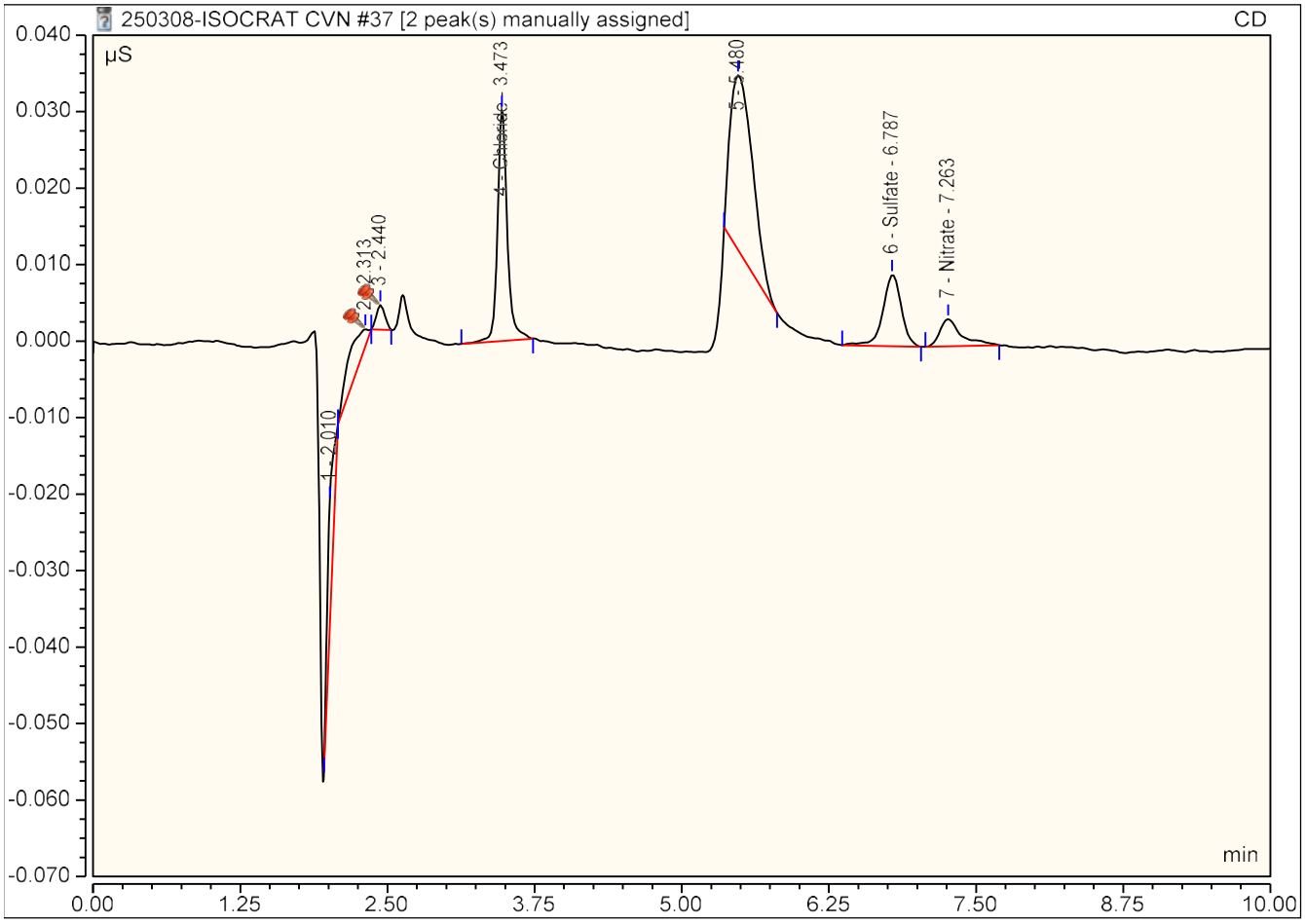
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.031	0.397	0.0866
3	3.47	**Chloride**	BMB	3.615	41.047	10.0842
5	6.69	**Sulfate**	BM *	2.971	16.402	11.2628
6	7.20	**Nitrate**	MB*	0.719	4.320	0.8356
TOTAL:				7.34	62.17	22.27



Peak Integration Report

Sample Name:	**L2511944-09**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 15:18**	*Run Time:*	**10.00**

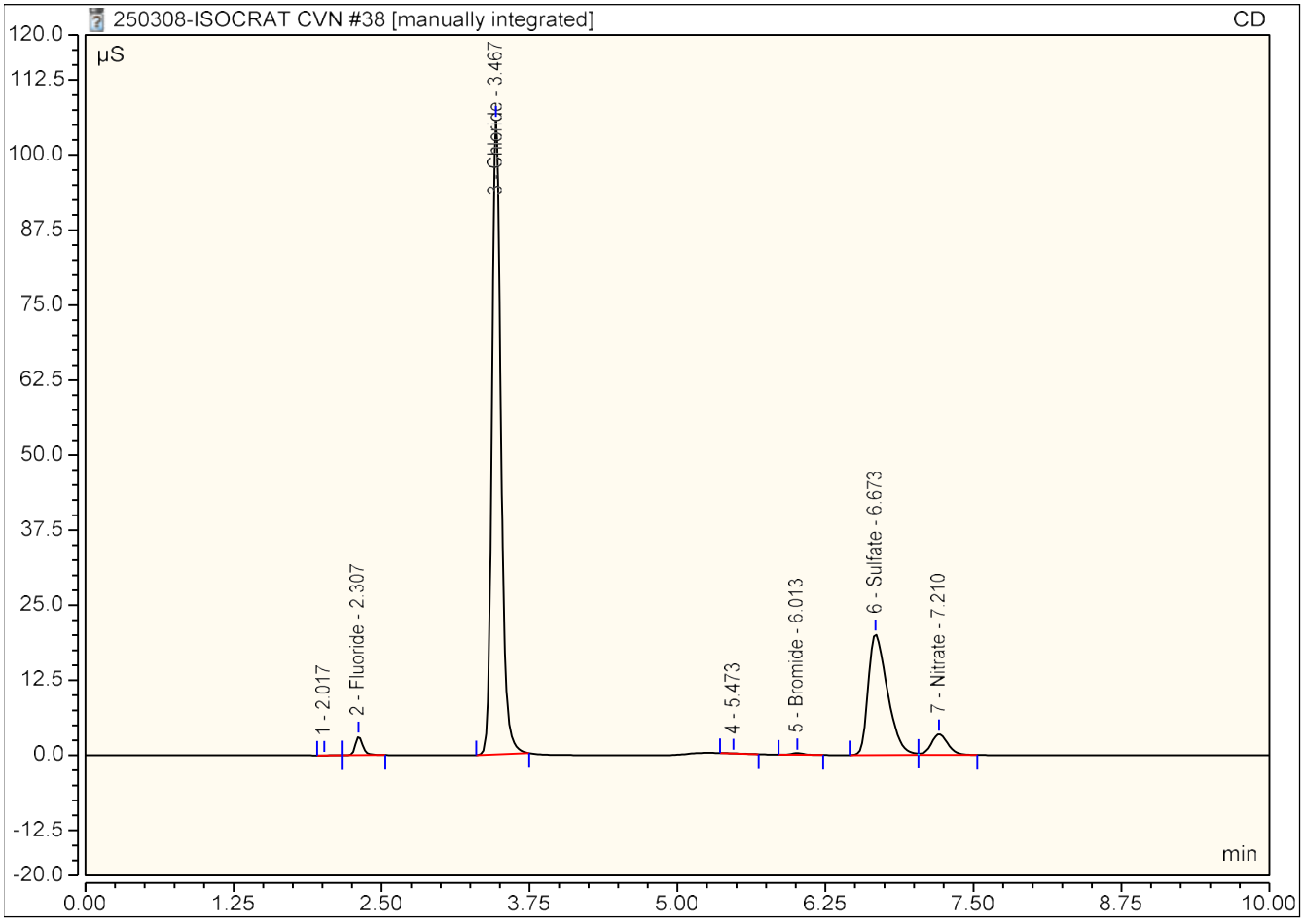
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
4	3.47	**Chloride**	BMB	0.003	0.030	0.1539
6	6.79	**Sulfate**	BMB	0.002	0.009	0.3069
7	7.26	**Nitrate**	BMB	0.001	0.004	0.0262
TOTAL:				0.01	0.04	0.49



Peak Integration Report

Sample Name:	**L2511972-16 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 15:30**	*Run Time:*	**10.00**

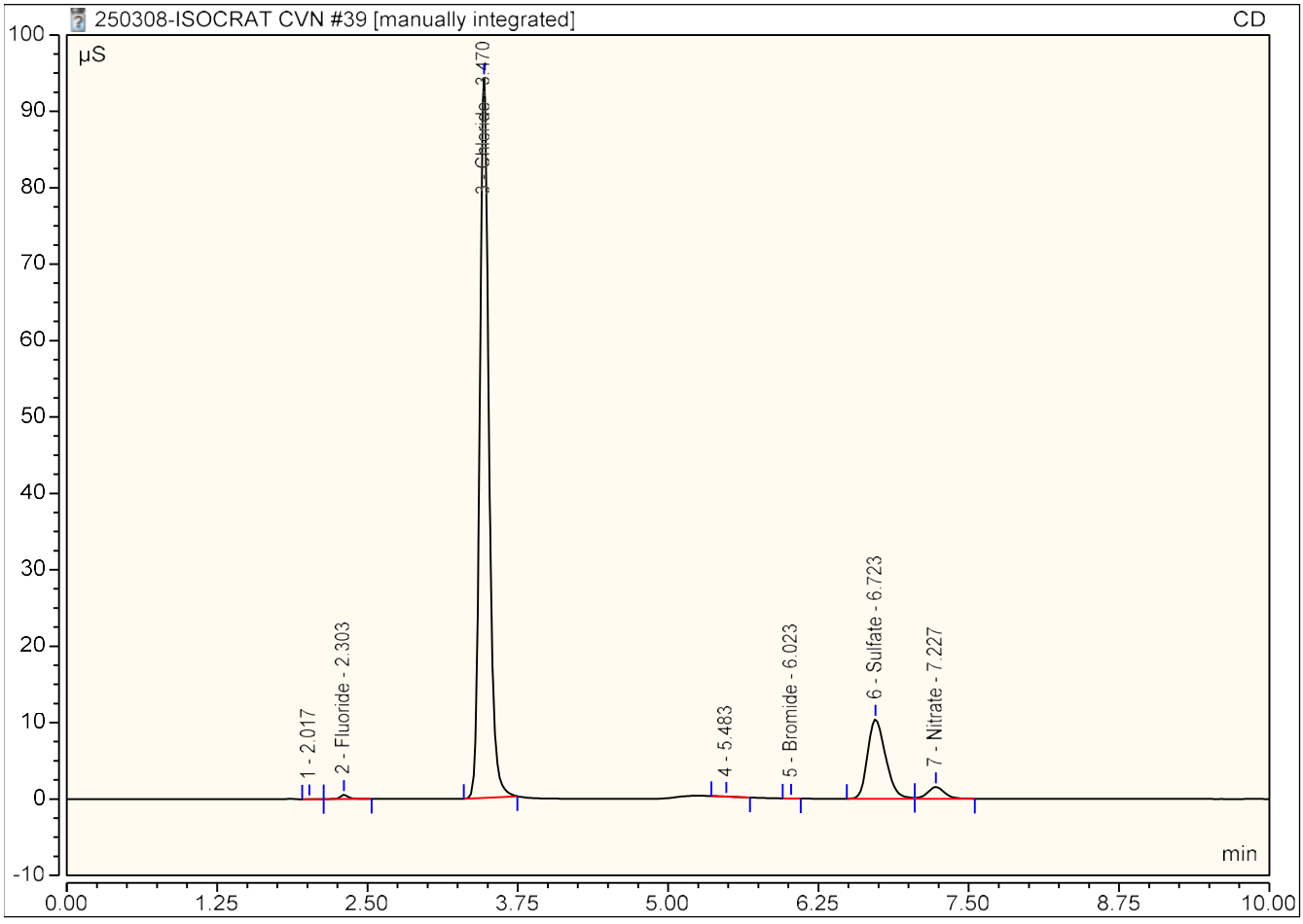
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.234	3.148	0.4536
3	3.47	**Chloride**	BMB	9.443	105.576	26.1084
5	6.01	**Bromide**	BMB	0.036	0.282	0.3097
6	6.67	**Sulfate**	BM *	3.803	20.138	14.3333
7	7.21	**Nitrate**	MB*	0.574	3.464	0.6724
TOTAL:				14.09	132.61	41.88



Peak Integration Report

Sample Name:	**L2511972-16 DUP**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 15:42**	*Run Time:*	**10.00**

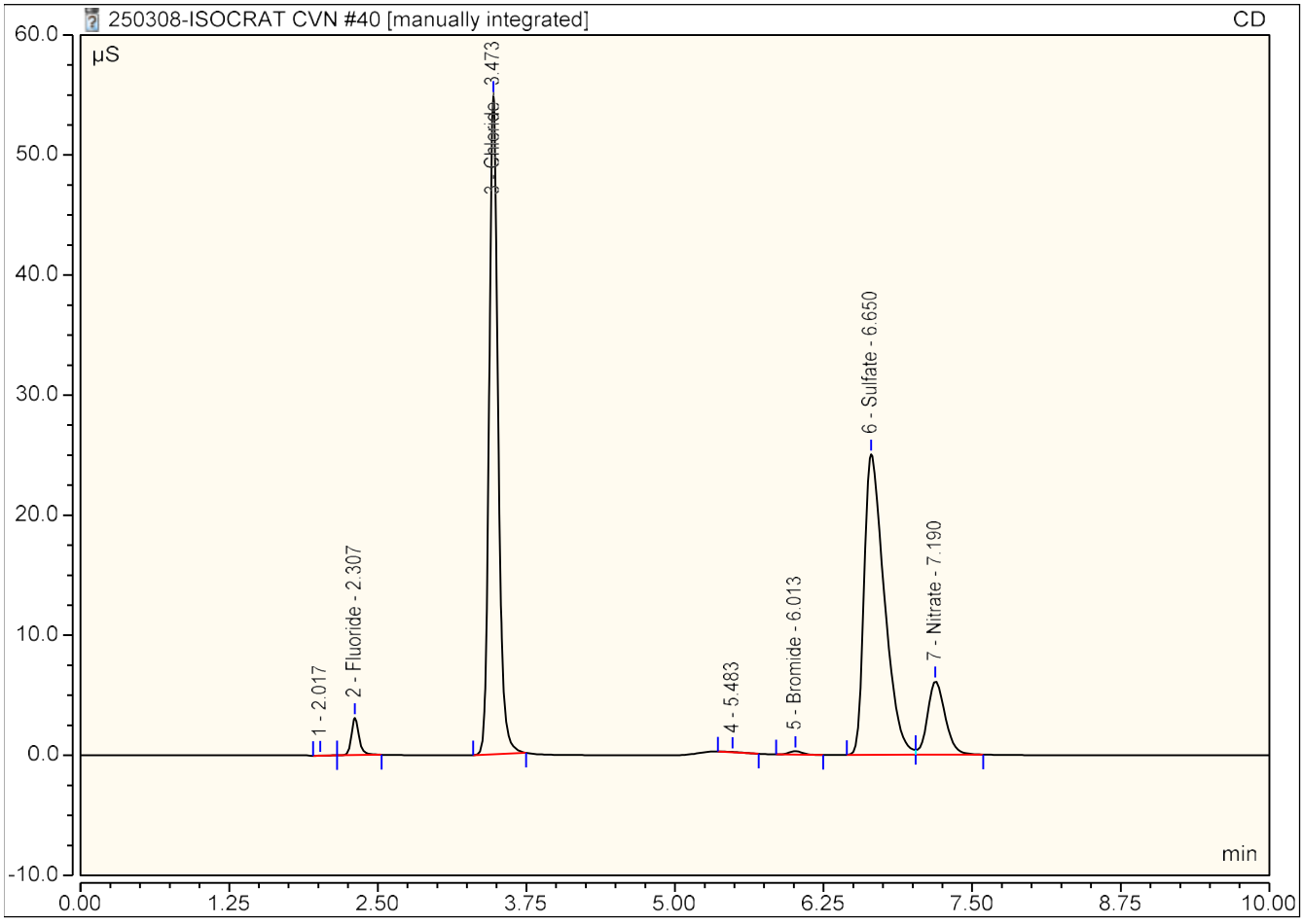
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.041	0.549	0.1057
3	3.47	**Chloride**	BMB	8.392	94.216	23.2179
5	6.02	**Bromide**	BMB	0.000	0.001	0.0245
6	6.72	**Sulfate**	BM *	1.808	10.381	6.9719
7	7.23	**Nitrate**	MB*	0.250	1.528	0.3068
TOTAL:				10.49	106.68	30.63



Peak Integration Report

Sample Name:	**L2511944-06 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 15:54**	*Run Time:*	**10.00**

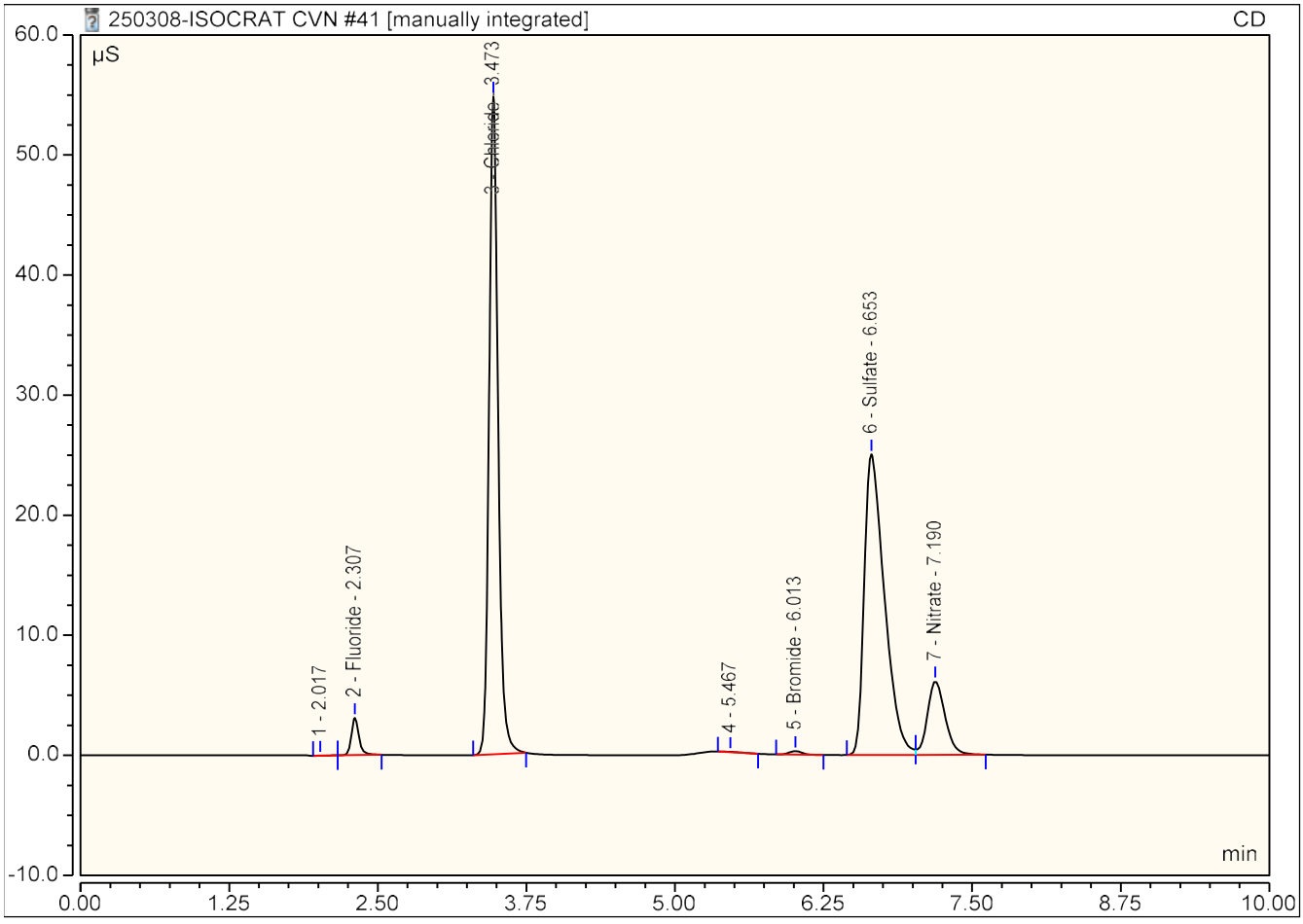
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.230	3.103	0.4459
3	3.47	**Chloride**	BMB	4.859	54.857	13.5058
5	6.01	**Bromide**	BMB	0.038	0.301	0.3293
6	6.65	**Sulfate**	BM *	4.939	25.039	18.5248
7	7.19	**Nitrate**	MB*	1.052	6.119	1.2105
TOTAL:				11.12	89.42	34.02



Peak Integration Report

Sample Name:	**L2511944-06 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 16:06**	*Run Time:*	**10.00**

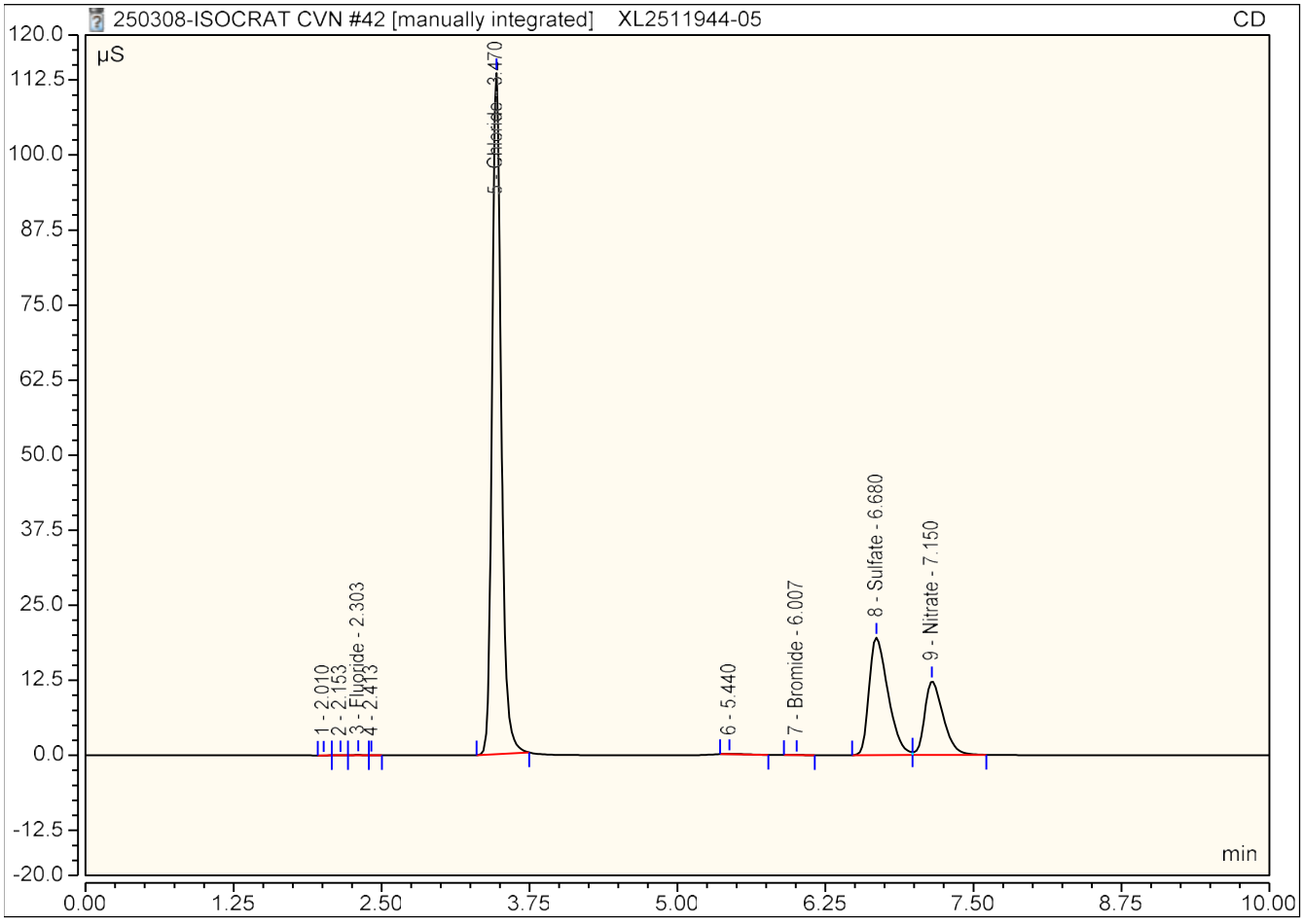
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.230	3.107	0.4454
3	3.47	**Chloride**	BMB	4.854	54.791	13.4916
5	6.01	**Bromide**	BMB	0.038	0.301	0.3291
6	6.65	**Sulfate**	BM *	4.934	25.028	18.5050
7	7.19	**Nitrate**	MB*	1.057	6.129	1.2155
TOTAL:				11.11	89.36	33.99



Peak Integration Report

Sample Name:	**XL2511944-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 16:18**	*Run Time:*	**10.00**

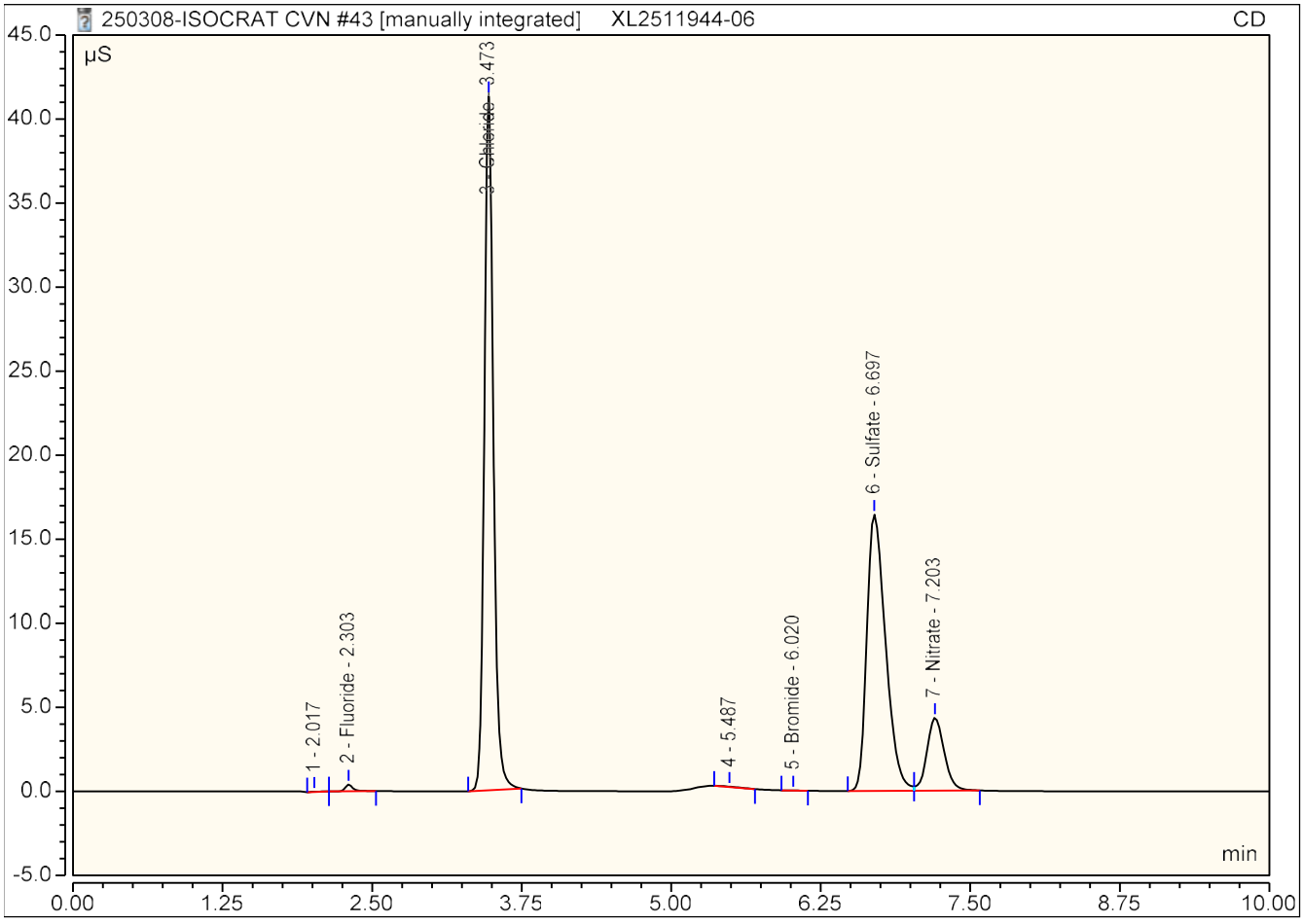
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.004	0.065	0.0388
5	3.47	**Chloride**	BMB	10.253	113.454	28.3331
7	6.01	**Bromide**	BMB	0.002	0.013	0.0358
8	6.68	**Sulfate**	BM *	3.623	19.578	13.6694
9	7.15	**Nitrate**	MB*	2.224	12.305	2.5309
TOTAL:				16.11	145.41	44.61



Peak Integration Report

Sample Name:	**XL2511944-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 16:30**	*Run Time:*	**10.00**

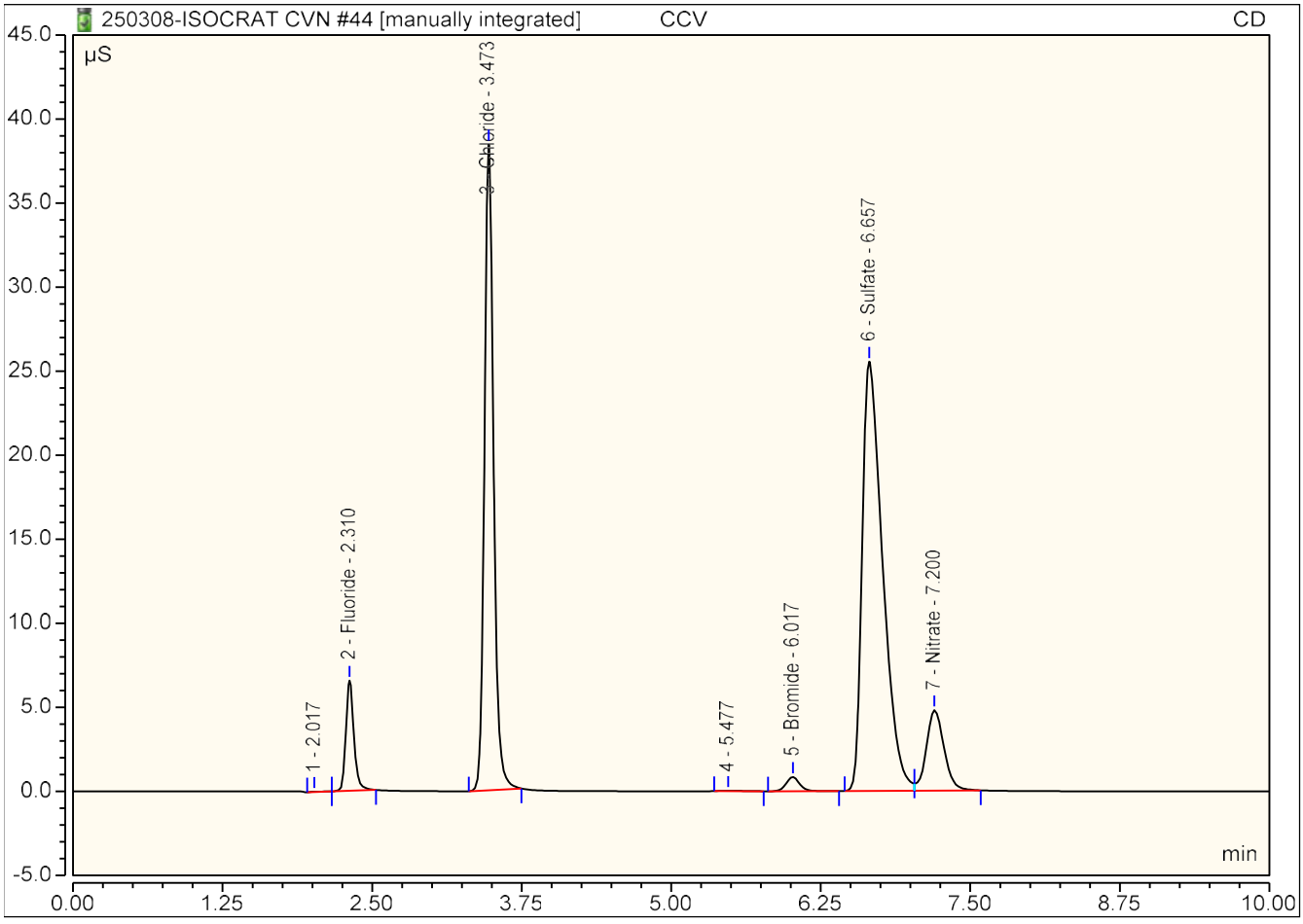
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.031	0.399	0.0870
3	3.47	**Chloride**	BMB	3.635	41.296	10.1390
5	6.02	**Bromide**	BMB	0.001	0.008	0.0302
6	6.70	**Sulfate**	BM *	2.988	16.434	11.3234
7	7.20	**Nitrate**	MB*	0.724	4.329	0.8411
TOTAL:				7.38	62.47	22.42



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 16:43**	*Run Time:*	**10.00**

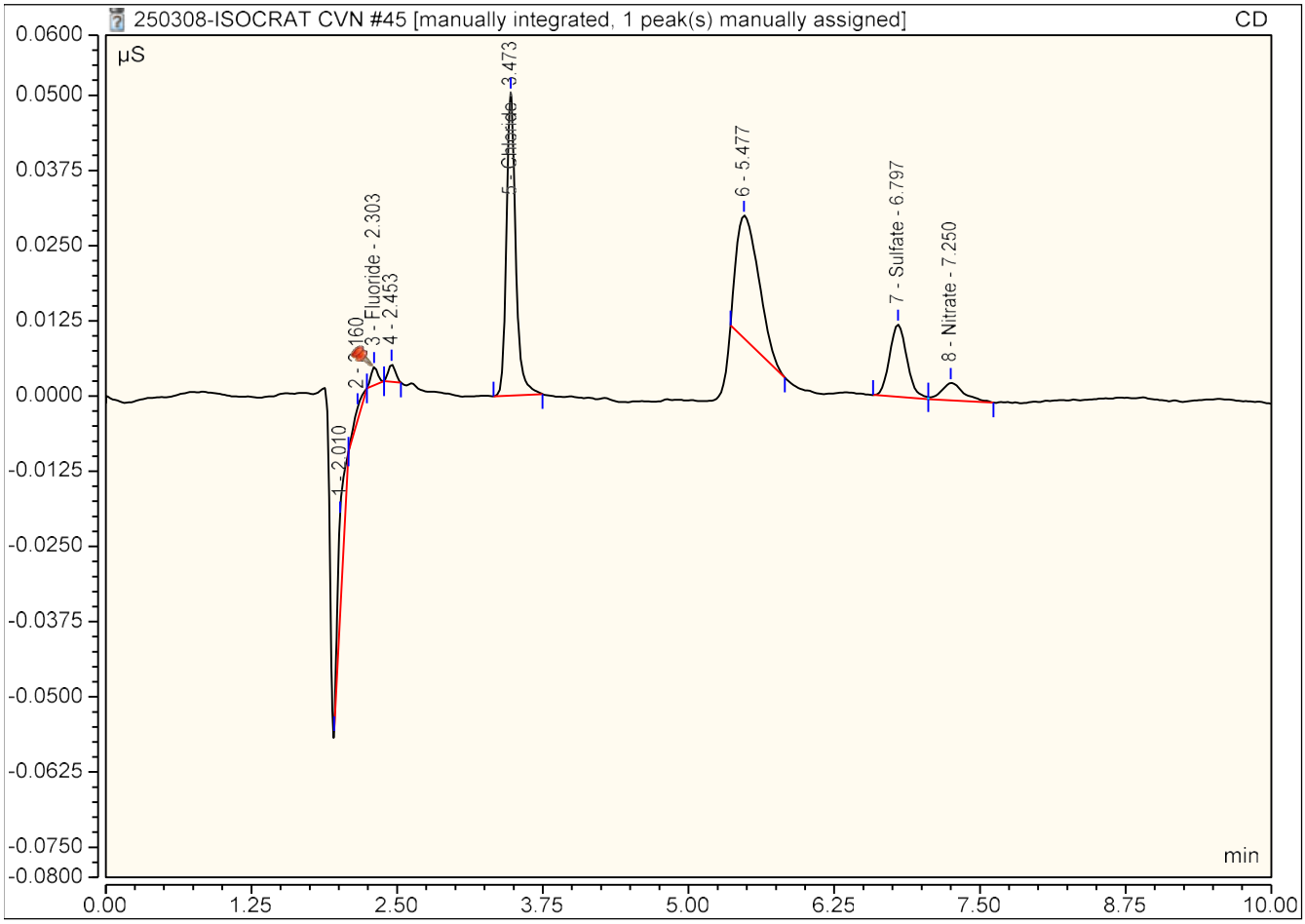
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.504	6.561	0.9409
3	3.47	**Chloride**	BMB	3.402	38.426	9.4993
5	6.02	**Bromide**	BMB	0.111	0.853	0.9120
6	6.66	**Sulfate**	BM *	5.063	25.537	18.9795
7	7.20	**Nitrate**	MB*	0.819	4.787	0.9480
TOTAL:				9.90	76.16	31.28



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 16:55**	*Run Time:*	**10.00**

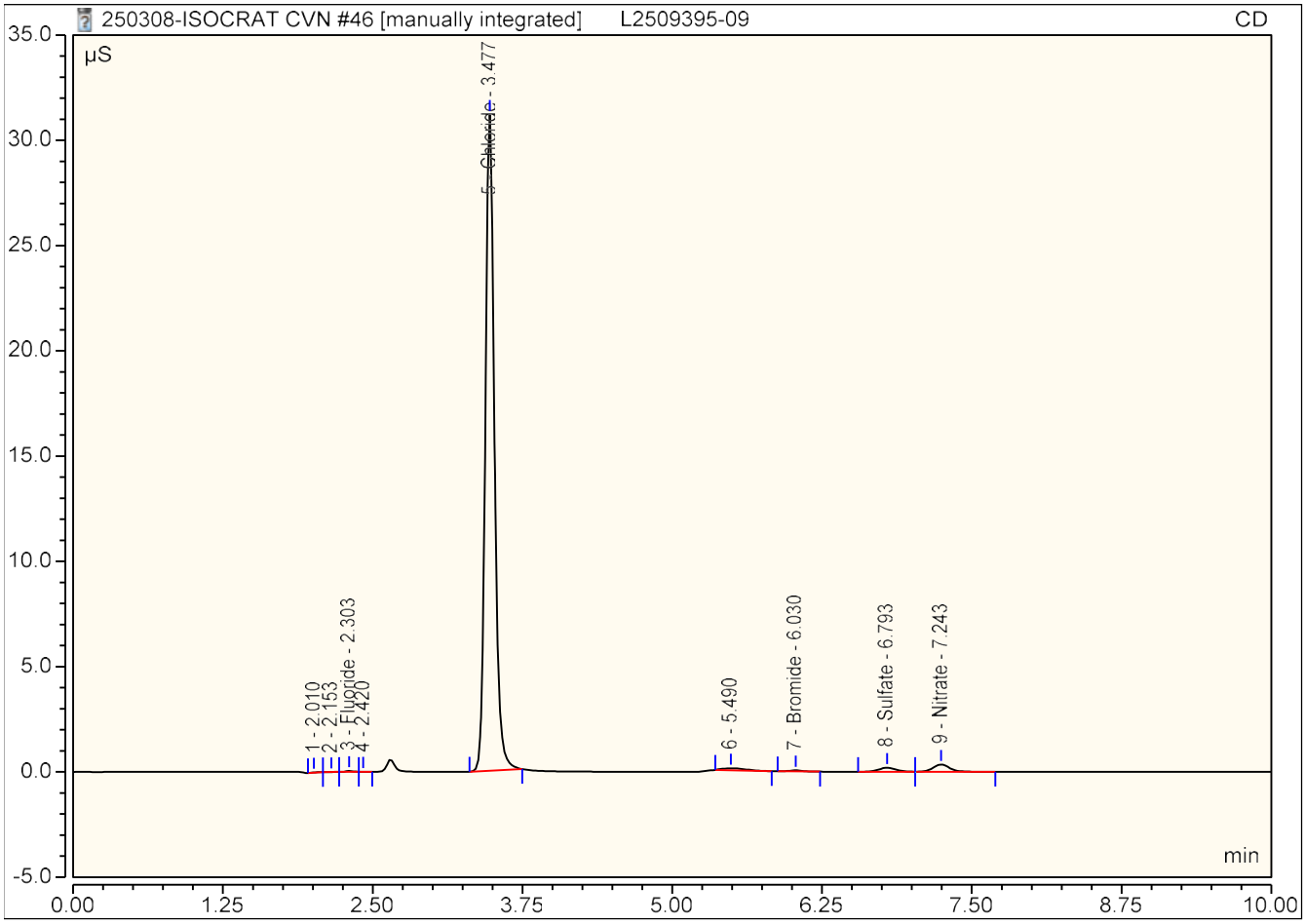
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB^	0.000	0.003	0.0313
5	3.47	**Chloride**	BMB	0.005	0.050	0.1587
7	6.80	**Sulfate**	BM *	0.002	0.012	0.3083
8	7.25	**Nitrate**	MB*	0.001	0.003	0.0261
TOTAL:				0.01	0.07	0.52



Peak Integration Report

Sample Name:	**L2509395-09**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 17:07**	*Run Time:*	**10.00**

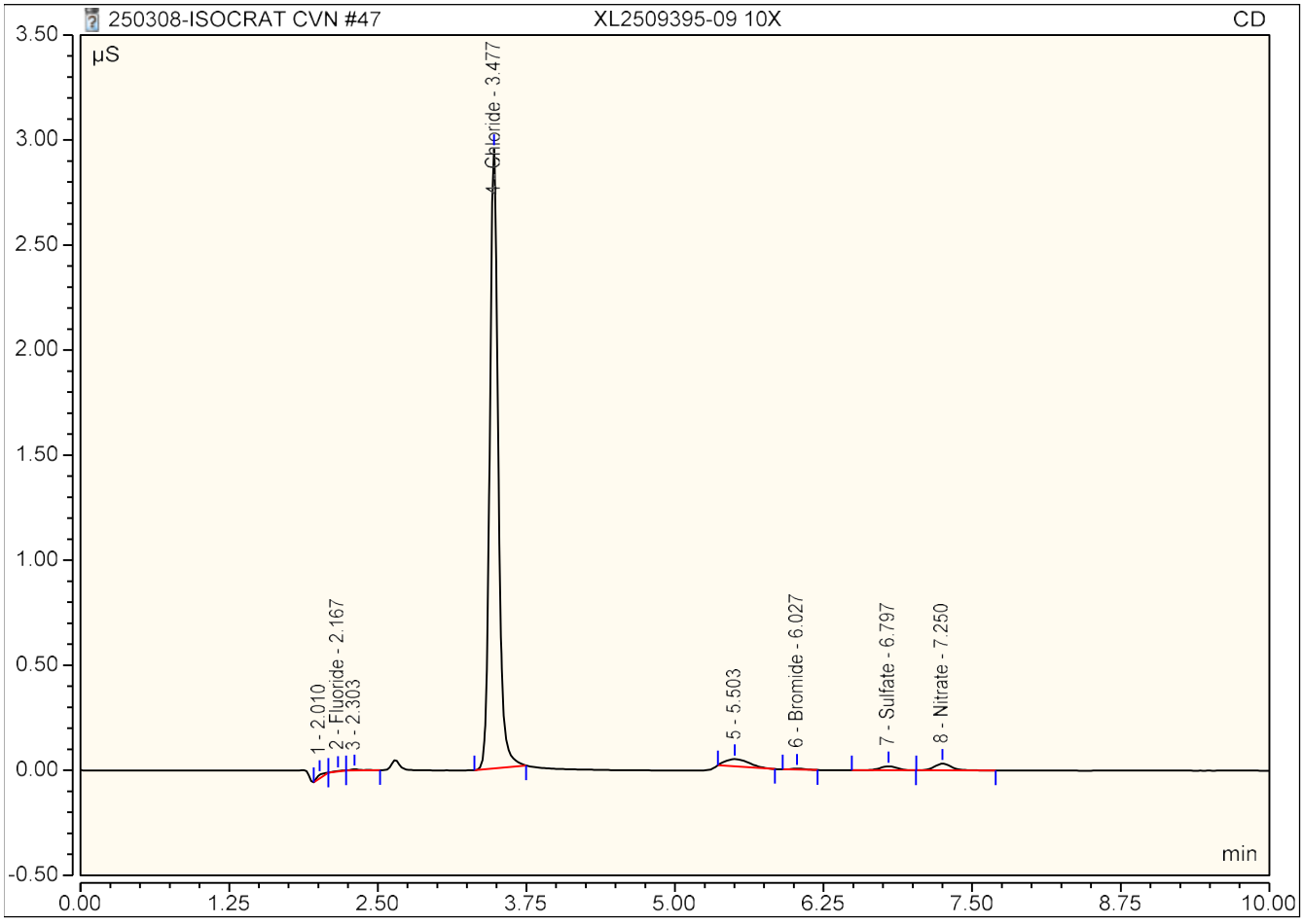
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.30	**Fluoride**	BMB	0.003	0.041	0.0357
5	3.48	**Chloride**	BMB	2.736	31.154	7.6691
7	6.03	**Bromide**	BMB	0.007	0.051	0.0766
8	6.79	**Sulfate**	BM *	0.033	0.194	0.4207
9	7.24	**Nitrate**	MB*	0.057	0.346	0.0894
TOTAL:				2.84	31.79	8.29



Peak Integration Report

Sample Name:	**XL2509395-09 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 17:19**	*Run Time:*	**10.00**

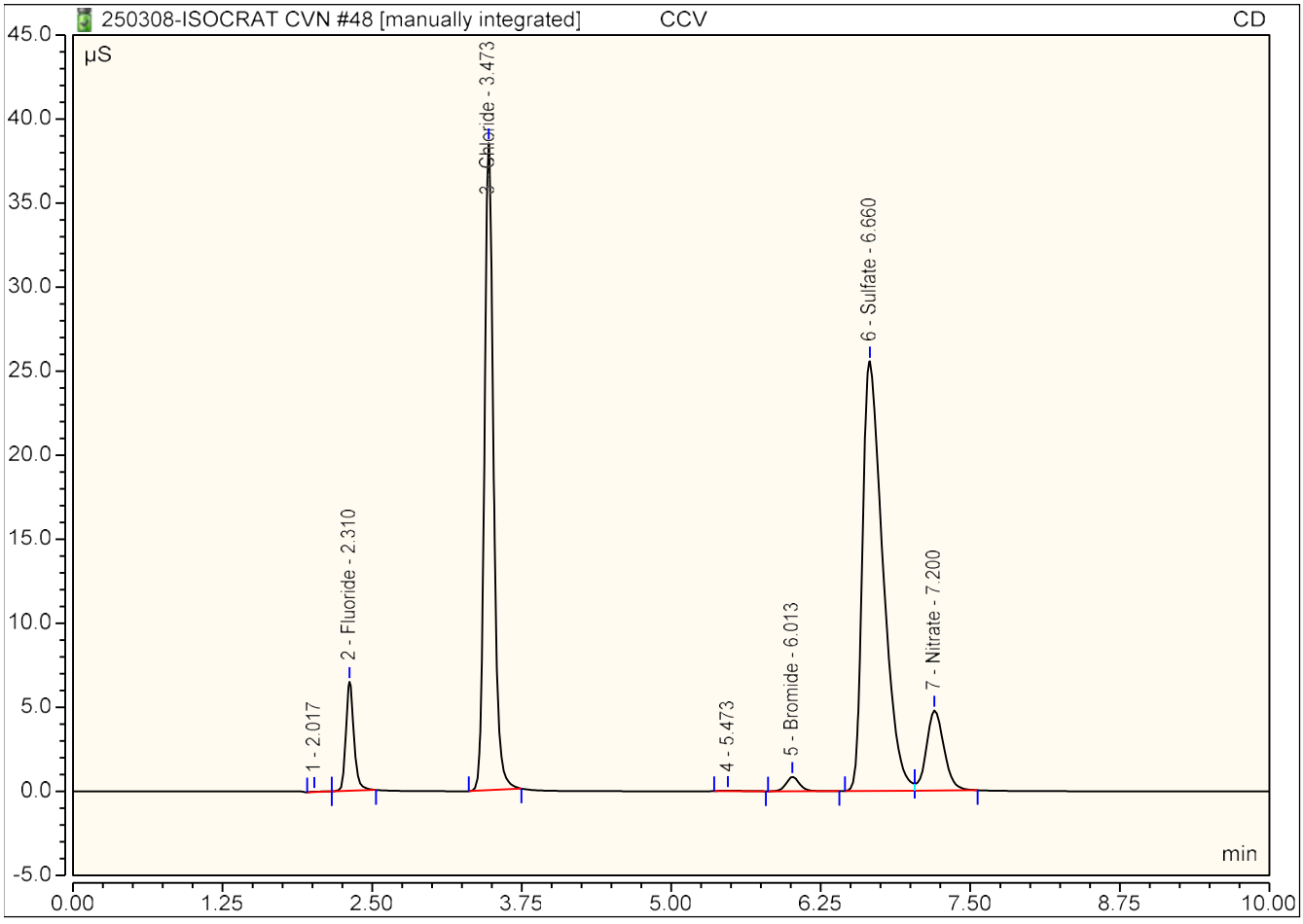
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.17	**Fluoride**	BMB	0.000	0.002	0.3128
4	3.48	**Chloride**	BMB	0.248	2.948	8.2703
6	6.03	**Bromide**	BMB	0.001	0.005	0.2863
7	6.80	**Sulfate**	BMB	0.003	0.019	3.1235
8	7.25	**Nitrate**	BMB	0.005	0.032	0.3147
TOTAL:				0.26	3.01	12.31



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 17:31**	*Run Time:*	**10.00**

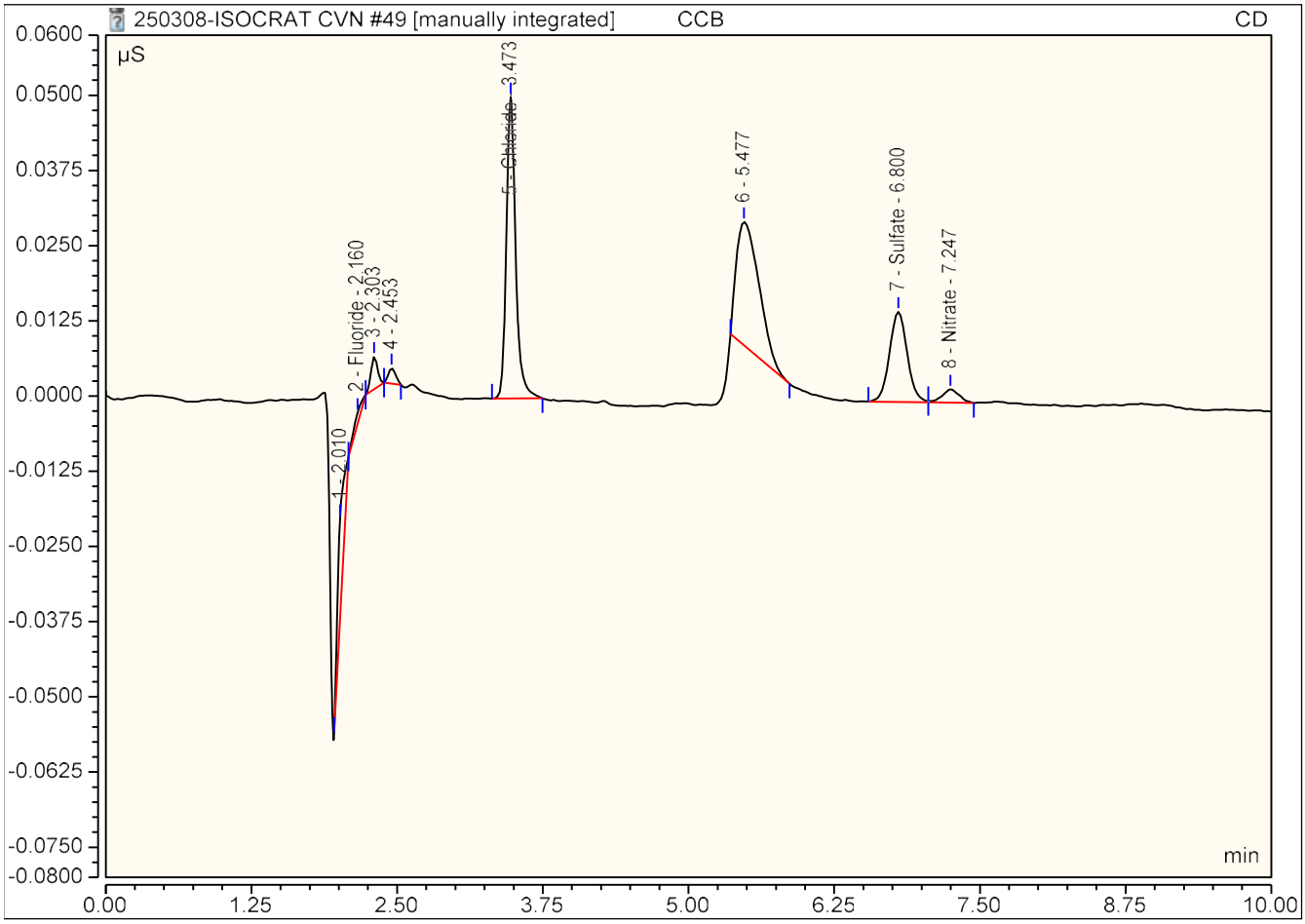
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.499	6.490	0.9315
3	3.47	**Chloride**	BMB	3.407	38.502	9.5115
5	6.01	**Bromide**	BMB	0.111	0.857	0.9142
6	6.66	**Sulfate**	BM *	5.055	25.554	18.9521
7	7.20	**Nitrate**	MB*	0.809	4.767	0.9370
TOTAL:				9.88	76.17	31.25



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**08-Mar-2025 / 17:43**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.16	**Fluoride**	BMB	0.000	0.002	0.0313
5	3.47	**Chloride**	BMB	0.005	0.050	0.1587
7	6.80	**Sulfate**	BM *	0.003	0.015	0.3104
8	7.25	**Nitrate**	MB*	0.000	0.002	0.0258
TOTAL:				0.01	0.07	0.53



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0938	n.a.	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0476	0.3758	0.0446	0.6674	0.0457
3	STD 1.0	1.0	0.0642	0.5449	0.0635	1.0531	0.0673
4	STD 2.0	1.0	0.1838	1.9560	0.1847	3.9147	0.1909
5	STD 3.0	1.0	0.4769	5.0224	0.4750	10.0774	0.4612
6	STD 4.0	1.0	1.9996	19.7542	2.0072	39.6551	2.0099
7	STD 5.0	1.0	5.0029	50.0968	5.2562	100.1322	5.6299
8	RINSE	1.0	0.0333	0.1520	n.a.	0.3043	n.a.
9	CCV	1.0	0.9362	9.5125	0.9381	18.9558	0.9325
10	CCB	1.0	0.0315	0.1634	0.0255	0.3105	n.a.
11	ICV	1.0	0.7737	8.0610	0.7600	7.8890	0.7384
12	ICB	1.0	0.0317	0.1630	0.0256	0.3097	n.a.
13	BLK	1.0	0.0312	0.1516	n.a.	0.3040	n.a.
14	LCS	1.0	0.7695	8.0377	0.7594	7.8795	0.7365
15	L2511919-01 BR	1.0	0.1677	17.4715	0.0894	14.5233	0.0599
16	L2511919-02	1.0	0.1222	17.9024	0.0601	19.4672	0.0610
17	L2511919-04	1.0	0.1230	18.7538	n.a.	10.2371	0.0669
18	L2511919-05	1.0	0.1236	18.0632	0.0965	16.6223	0.0656
19	L2511919-07	1.0	0.1060	17.3561	0.3883	17.9333	0.0612
20	XL2511919-07; 10X	10.0	0.3827	19.2271	0.5851	20.0633	0.2718
21	CCV	1.0	0.9305	9.4750	0.9407	18.9491	0.9218
22	CCB	1.0	0.0313	0.1635	n.a.	0.3083	n.a.
23	L2511919-08	1.0	0.0921	18.1338	0.1835	17.7895	0.0629
24	L2511972-16 CL SO4 BR	1.0	0.1023	23.2246	0.3063	6.9662	0.0245
25	L2511972-17	1.0	0.0888	7.3134	0.2170	8.7276	0.0251
26	L2511944-01 BR	1.0	0.0453	4.5652	0.3441	9.1750	0.0292
27	L2511944-02	1.0	0.0396	7.7902	1.2095	5.6416	0.0256
28	L2511944-03	1.0	0.0794	8.1027	0.0718	21.7203	0.0424
29	L2511944-04	1.0	0.0535	3.9198	5.6040	35.6035	0.0285
30	L2511944-05	1.0	0.0386	28.2941	2.5317	13.6563	0.0359
31	L2511944-06	1.0	0.0865	10.1057	0.8428	11.2995	n.a.
32	XL2511944-06; 10X	10.0	0.3115	11.6611	0.9711	13.4165	n.a.
33	CCV	1.0	0.9251	9.4394	0.9556	18.8649	0.9138
34	CCB	1.0	0.0315	0.1568	0.0258	0.3076	n.a.
35	L2511944-07	1.0	0.0423	10.9354	1.7384	16.6182	0.0590
36	L2511944-08	1.0	0.0866	10.0842	0.8356	11.2628	n.a.
37	L2511944-09	1.0	n.a.	0.1539	0.0262	0.3069	n.a.
38	L2511972-16 MS	1.0	0.4536	26.1084	0.6724	14.3333	0.3097
39	L2511972-16 DUP	1.0	0.1057	23.2179	0.3068	6.9719	0.0245
40	L2511944-06 MS	1.0	0.4459	13.5058	1.2105	18.5248	0.3293
41	L2511944-06 MSD	1.0	0.4454	13.4916	1.2155	18.5050	0.3291

42	XL2511944-05	1.0	0.0388	28.3331	2.5309	13.6694	0.0358
43	XL2511944-06	1.0	0.0870	10.1390	0.8411	11.3234	0.0302
44	CCV	1.0	0.9409	9.4993	0.9480	18.9795	0.9120
45	CCB	1.0	0.0313	0.1587	0.0261	0.3083	n.a.
46	L2509395-09	1.0	0.0357	7.6691	0.0894	0.4207	0.0766
47	XL2509395-09 10X	10.0	0.3128	8.2703	0.3147	3.1235	0.2863
48	CCV	1.0	0.9315	9.5115	0.9370	18.9521	0.9142
49	CCB	1.0	0.0313	0.1587	0.0258	0.3104	n.a.
	Sum:	76.000	18.3457		37.6817	626.3352	16.8152
	Average:	1.551	0.3822		0.8564	13.0486	0.4671
	Rel.Std.Dev:	140.555 %	2.0534		1.3957	1.2048	2.1088

Inject Time	Comment
24/Feb/2025 15:16	AU
24/Feb/2025 15:28	LOT#250224-0.5
24/Feb/2025 15:40	LOT#250224-1.0
24/Feb/2025 15:52	LOT#250224-2.0
24/Feb/2025 16:04	LOT#250224-3.0
24/Feb/2025 16:16	LOT#250224-4.0
24/Feb/2025 16:28	LOT#250224-5.0
08/Mar/2025 09:27	WG2038111-12-13
08/Mar/2025 09:39	LOT#250306-C
08/Mar/2025 09:52	CVN
08/Mar/2025 10:04	LOT#250306-I
08/Mar/2025 10:16	CVN
08/Mar/2025 10:28	CVN
08/Mar/2025 10:40	LOT#250306-I
08/Mar/2025 10:52	CVN
08/Mar/2025 11:04	CVN
08/Mar/2025 11:16	CVN
08/Mar/2025 11:28	CVN
08/Mar/2025 11:40	CVN
08/Mar/2025 11:52	CVN
08/Mar/2025 12:05	LOT#250306-C
08/Mar/2025 12:17	CVN
08/Mar/2025 12:29	CVN
08/Mar/2025 12:41	CVN
08/Mar/2025 12:53	CVN
08/Mar/2025 13:05	CVN
08/Mar/2025 13:17	CVN
08/Mar/2025 13:29	CVN
08/Mar/2025 13:41	CVN
08/Mar/2025 13:53	CVN
08/Mar/2025 14:05	CVN
08/Mar/2025 14:17	CVN
08/Mar/2025 14:30	LOT#250306-C
08/Mar/2025 14:42	CVN
08/Mar/2025 14:54	CVN
08/Mar/2025 15:06	CVN
08/Mar/2025 15:18	CVN
08/Mar/2025 15:30	CVN
08/Mar/2025 15:42	CVN
08/Mar/2025 15:54	CVN
08/Mar/2025 16:06	CVN

08/Mar/2025 16:18	CVN
08/Mar/2025 16:30	CVN
08/Mar/2025 16:43	LOT#250306-C
08/Mar/2025 16:55	CVN
08/Mar/2025 17:07	CVN
08/Mar/2025 17:19	CVN
08/Mar/2025 17:31	CVN
08/Mar/2025 17:43	CVN
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Quality Control

Form 5a
Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: MW-1SR	**Matrix**	: WATER
Lab Sample ID	: L2511944-06		
Matrix Spike	: WG2038111-3	**MS Analysis Date**	: 03/08/25 15:54
Matrix Spike Dup	: WG2038111-4	**MSD Analysis Date**	: 03/08/25 16:06

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	**ND**	**0.4**	**0.329**	**82**	**Q**	**0.4**	**0.329**	**82**	**Q**	**0**	**90-110**	**20**

Form 7
Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	**Lab Number**	: L2511944
Project Name	: CORAM MATERIALS	**Project Number**	: 2232.0006Y005
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2038111-2	**LCS Analysis Date**	: 03/08/25 10:40
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	0.800	0.736	92.					90-110	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Bromide	24959-67-9	0.05	0.0132	mg/l	90-110		90-110	20	20	300.0	28 days	1 - Plastic 250ml unpreserved
Chloride	16887-00-6	0.5	0.0839	mg/l	90-110		64-148	18	18	9056	28 days	1 - Plastic 250ml unpreserved
Chloride	16887-00-6	0.5	0.0839	mg/l	90-110		90-110	18	18	300.0	28 days	1 - Plastic 250ml unpreserved
Fluoride	16984-48-8	0.05	0.037	mg/l	90-110		81-124	15	15	9056	28 days	1 - Plastic 500ml unpreserved
Fluoride	16984-48-8	0.05	0.037	mg/l	90-110		90-110	15	15	300.0	28 days	1 - Plastic 500ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.05	0.0128	mg/l	90-110		90-110	15	15	300.0	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.05	0.0128	mg/l	90-110		80-120	15	15	9056	48 hours	1 - Plastic 250ml unpreserved
Sulfate	14808-79-8	1	0.454	mg/l	90-110		72-124	20	20	9056	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	1	0.454	mg/l	90-110		90-110	20	20	300.0	28 days	1 - Plastic 500ml unpreserved

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 the laboratory.

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Subcontracted Data

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

March 07, 2025

Jennifer Byrnes

,

RE: Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Alpha Analytical

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Pace Analytical Services, LLC - Melville, NY
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70340999001	MW-11S	Water	03/04/25 08:30	03/04/25 17:28
70340999002	MW-10S	Water	03/04/25 15:40	03/04/25 17:28
70340999003	MW-10D	Water	03/04/25 15:20	03/04/25 17:28
70340999004	MW-13S	Water	03/04/25 13:55	03/04/25 17:28
70340999005	MW-13D	Water	03/04/25 13:22	03/04/25 17:28
70340999006	MW-1SR	Water	03/04/25 10:57	03/04/25 17:28
70340999007	MW-10RZ	Water	03/04/25 10:05	03/04/25 17:28
70340999008	DUP_03042025	Water	03/04/25 12:00	03/04/25 17:28
70340999009	EQUIPMENT BLANK	Water	03/04/25 15:30	03/04/25 17:28

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Melville, NY 11747
516-370-6000

SAMPLE ANALYTE COUNT

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70340999001	MW-11S	SM22 4500-S2 F	JWM	1
70340999002	MW-10S	SM22 4500-S2 F	JWM	1
70340999003	MW-10D	SM22 4500-S2 F	JWM	1
70340999004	MW-13S	SM22 4500-S2 F	JWM	1
70340999005	MW-13D	SM22 4500-S2 F	JWM	1
70340999006	MW-1SR	SM22 4500-S2 F	JWM	1
70340999007	MW-10RZ	SM22 4500-S2 F	JWM	1
70340999008	DUP_03042025	SM22 4500-S2 F	JWM	1
70340999009	EQUIPMENT BLANK	SM22 4500-S2 F	JWM	1

PACE-MV = Pace Analytical Services - Melville

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Method: SM22 4500-S2 F
Description: 4500S2F W Sulfide Iodometric
Client: Alpha Analytical
Date: March 07, 2025

General Information:
9 samples were analyzed for SM22 4500-S2 F by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-11S Lab ID: 70340999001 Collected: 03/04/25 08:30 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/06/25 15:55		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-10S Lab ID: 70340999002 Collected: 03/04/25 15:40 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/06/25 15:57		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-10D Lab ID: 70340999003 Collected: 03/04/25 15:20 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/06/25 16:01		

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516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-13S Lab ID: 70340999004 Collected: 03/04/25 13:55 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/06/25 16:05		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-13D Lab ID: 70340999005 Collected: 03/04/25 13:22 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/07/25 14:43		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-1SR Lab ID: 70340999006 Collected: 03/04/25 10:57 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/07/25 14:46		

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516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: MW-10RZ Lab ID: 70340999007 Collected: 03/04/25 10:05 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/07/25 14:49		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: DUP_03042025 Lab ID: 70340999008 Collected: 03/04/25 12:00 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/07/25 14:32		

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ANALYTICAL RESULTS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Sample: EQUIPMENT BLANK Lab ID: 70340999009 Collected: 03/04/25 15:30 Received: 03/04/25 17:28 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM22 4500-S2 F Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		03/07/25 14:35		

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Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

QC Batch: 388010
QC Batch Method: SM22 4500-S2 F
Analysis Method: SM22 4500-S2 F
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70340999001, 70340999002, 70340999003, 70340999004

METHOD BLANK: 2038608 Matrix: Water
Associated Lab Samples: 70340999001, 70340999002, 70340999003, 70340999004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/06/25 15:46	

LABORATORY CONTROL SAMPLE & LCSD: 2038609 2039383

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

QC Batch: 388262
QC Batch Method: SM22 4500-S2 F
Analysis Method: SM22 4500-S2 F
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70340999005, 70340999006, 70340999007, 70340999008, 70340999009

METHOD BLANK: 2040226 Matrix: Water
Associated Lab Samples: 70340999005, 70340999006, 70340999007, 70340999008, 70340999009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	03/07/25 14:38	

LABORATORY CONTROL SAMPLE & LCSD: 2040227 2040228

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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516-370-6000

QUALIFIERS

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CORAM MATERIALS 3/4
Pace Project No.: 70340999

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70340999001	MW-11S	SM22 4500-S2 F	388010		
70340999002	MW-10S	SM22 4500-S2 F	388010		
70340999003	MW-10D	SM22 4500-S2 F	388010		
70340999004	MW-13S	SM22 4500-S2 F	388010		
70340999005	MW-13D	SM22 4500-S2 F	388262		
70340999006	MW-1SR	SM22 4500-S2 F	388262		
70340999007	MW-10RZ	SM22 4500-S2 F	388262		
70340999008	DUP_03042025	SM22 4500-S2 F	388262		
70340999009	EQUIPMENT BLANK	SM22 4500-S2 F	388262		

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NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 3

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: ROUX Env.Eng.&Geology, DPC
Address: 209 Shafter Street
Islandia, NY 11749-5074
Phone: 631-232-2600
Fax:
Email: aiervolino@rouxinc.com

Project Information

Project Name: CORAM MATERIALS
Project Location:
Project #: 2232.0006Y005
(Use Project name as Project #) ☐
Project Manager: Ashley Iervolino
ALPHAQuote #: 30343

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Sub SULFIDE courier to PACE MELVILLE

Please specify Metals or TAL.

ANALYSIS

SUB-SULFIDE

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-SULFIDE	Sample Specific Comments	Total Bottles
	MW-11S	3/4	8:30	AQ	BW	X		1
	MW-10S	3/4	15:40		AT	X		1
	MW-10D	3/4	15:20		BW	X		1
	MW-13S	3/4	1355		AT	X		1
	MW-13D	3/4	1322		BW	X		1
	MW-15R		1057		BW	X		1
	MW-10R2		1003		AT	X		1
	DUP_03042025		1200		AT	X		1
	Equipment blank		1530		AT	X		1
	Trip blank		-		-			2

WO# : 70340999
70340999

Container Type: P
Preservative: C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/4/2025 1650	SSnz	3-4-25 1650
SSnz	3-4-25 1728	Delivered by PACE	3/4/25 1728

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70340999
PM: BDR Due Date: 03/14/25
CLIENT: ALPHA

Client Name: ALPHA Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No Seals intact: ☐ Yes ☑ No Temperature Blank Present: ☐ Yes ☑ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH211 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun
Cooler Temperature(°C): 3.4 Cooler Temperature Corrected(°C): 3.6 Date/Time 5035A kits placed in freezer _____
Temp should be above freezing to 6 °C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AEB 3/5/25

				COMMENTS:
Chain of Custody Present	☑Yes	☐No		1
Chain of Custody Filled Out	☐Yes	☑No		2. Tripple Volume recieved for Sample ID(MW-15R)
Chain of Custody Relinquished	☑Yes	☐No		3
Sampler Name & Signature on COC	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time	☑Yes	☐No		5
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used: -Pace Containers Used	☑Yes ☑Yes	☐No ☐No		9
Containers Intact	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC -Includes date/time/ID/Analysis Matrix SL WT OIL OTHER	☑Yes	☐No		12

Date and Initials of person checking preservation: AEB 3/5/25

All containers needing preservation have been pH paper Lot # 231224	☑Yes	☐No	☑N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed / Lot # of added preservative / Date/Time preservative added
Samples checked for dechlorination KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14 Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15 Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16
Trip Blank Present	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: Field Data Required? Y / N
Person Contacted: Date/Time:
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2511944

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller",needs NYSDEC Equis EDD

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511944-01	MW-11S	03-04-25 08:30	WATER	Sulfide			0
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Sulfide			0
	L2511944-03	MW-10D	03-04-25 15:20	WATER	Sulfide			0
	L2511944-04	MW-13S	03-04-25 13:55	WATER	Sulfide			0
	L2511944-05	MW-13D	03-04-25 13:22	WATER	Sulfide			0
	L2511944-06	MW-1SR	03-04-25 10:57	WATER	Sulfide			0
	L2511944-07	MW-10R2	03-04-25 10:05	WATER	Sulfide			0
	L2511944-08	DUP_03042025	03-04-25 12:00	WATER	Sulfide			0
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Sulfide			0

	Relinquished By:	Date/Time:	Received By:	Date/Time:
Form No: AL_subcoc				

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

March 13, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2511944
Pace Project No.: 50395450

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 06, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA

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Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2511944
Pace Project No.: 50395450

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

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Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50395450001	**MW-11S**	Water	03/04/25 08:30	03/06/25 08:30
50395450002	**MW-10S**	Water	03/04/25 15:40	03/06/25 08:30
50395450003	**MW-10D**	Water	03/04/25 15:20	03/06/25 08:30
50395450004	**MW-13S**	Water	03/04/25 13:55	03/06/25 08:30
50395450005	**MW-13D**	Water	03/04/25 13:22	03/06/25 08:30
50395450006	**MW-1SR**	Water	03/04/25 10:57	03/06/25 08:30
50395450007	**MW-10R2**	Water	03/04/25 10:05	03/06/25 08:30
50395450008	**DUP_03042025**	Water	03/04/25 00:00	03/06/25 08:30
50395450009	**EQUIPMENT BLANK**	Water	03/04/25 15:30	03/06/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50395450001	**MW-11S**	EPA 9056	GLT	1
50395450002	**MW-10S**	EPA 9056	GLT	1
50395450003	**MW-10D**	EPA 9056	GLT	1
50395450004	**MW-13S**	EPA 9056	GLT	1
50395450005	**MW-13D**	EPA 9056	GLT	1
50395450006	**MW-1SR**	EPA 9056	GLT	1
50395450007	**MW-10R2**	EPA 9056	GLT	1
50395450008	**DUP_03042025**	EPA 9056	GLT	1
50395450009	**EQUIPMENT BLANK**	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-11S **Lab ID: 50395450001** Collected: 03/04/25 08:30 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 04:29		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-10S **Lab ID: 50395450002** Collected: 03/04/25 15:40 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 04:47		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-10D **Lab ID: 50395450003** Collected: 03/04/25 15:20 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 05:05		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-13S **Lab ID: 50395450004** Collected: 03/04/25 13:55 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:00		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-13D **Lab ID: 50395450005** Collected: 03/04/25 13:22 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:18		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-1SR **Lab ID: 50395450006** Collected: 03/04/25 10:57 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 06:37		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: MW-10R2 **Lab ID: 50395450007** Collected: 03/04/25 10:05 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 07:32		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: DUP_03042025 **Lab ID: 50395450008** Collected: 03/04/25 00:00 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 07:50		

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ANALYTICAL RESULTS

Project: L2511944
Pace Project No.: 50395450

Sample: EQUIPMENT BLANK **Lab ID: 50395450009** Collected: 03/04/25 15:30 Received: 03/06/25 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		03/08/25 08:08		

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QUALITY CONTROL DATA

Project: L2511944
Pace Project No.: 50395450

QC Batch: 833375
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50395450001, 50395450002, 50395450003, 50395450004, 50395450005, 50395450006, 50395450007, 50395450008, 50395450009

METHOD BLANK: 3812919 Matrix: Water
Associated Lab Samples: 50395450001, 50395450002, 50395450003, 50395450004, 50395450005, 50395450006, 50395450007, 50395450008, 50395450009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	03/08/25 03:52	

LABORATORY CONTROL SAMPLE: 3812920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.6	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3812921 3812922

Parameter	Units	50395450006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.6	4.6	92	92	80-120	0	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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(317)228-3100

QUALIFIERS

Project: L2511944
Pace Project No.: 50395450

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2511944
Pace Project No.: 50395450

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50395450001	**MW-11S**	EPA 9056	833375		
50395450002	**MW-10S**	EPA 9056	833375		
50395450003	**MW-10D**	EPA 9056	833375		
50395450004	**MW-13S**	EPA 9056	833375		
50395450005	**MW-13D**	EPA 9056	833375		
50395450006	**MW-1SR**	EPA 9056	833375		
50395450007	**MW-10R2**	EPA 9056	833375		
50395450008	**DUP_03042025**	EPA 9056	833375		
50395450009	**EQUIPMENT BLANK**	EPA 9056	833375		

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Pace

Subcontract Chain of Custody

Pace Analyt
7726 Moller
Indianapolis

WO# : 50395450

50395450

Pace Job Number
L2511944

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Info

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

uirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS on Iodide sub chain"

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
001 GW2 002 003 004	L2511944-01	MW-11S	03-04-25 08:30	WATER	Iodide			1
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Iodide			1
	L2511944-03	MW-10D	03-04-25 15:20	WATER	Iodide			1
	L2511944-04	MW-13S	03-04-25 13:55	WATER	Iodide			1
	L2511944-05	MW-13D	03-04-25 13:22	WATER	Iodide			1
	L2511944-06	MW-1SR	03-04-25 10:57	WATER	Iodide			3
	L2511944-07	MW-10R2	03-04-25 10:05	WATER	Iodide			1
	L2511944-08	DUP_03042025	03-04-25 12:00	WATER	Iodide			1
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Iodide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	C Selvean Fedex	3/6/25 830	Fedex	3/6/25 830
Form No: AL_subcoc				

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: 316125 1642 mw

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E (F) G H I

2. Cooler Temperature(s): (Initial/Corrected) 0.4 / 0.3 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Courier: Circle One — (Fed Ex) UPS Client Pace Now/Jett Other

4. Custody Seal on Cooler/Box Present: ☑ Yes ☐ No

(If yes)Seals Intact: ☑ Yes ☐ No (leave blank if no seals were present)

5. Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

6. Ice Type: ☑ Wet ☐ Blue ☐ None

7. Was the PM notified of out of temp cooler: ☐ Yes ☐ No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		✓
Short Hold Time Analysis (48 hours or less)? Analysis:		✓
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		✓
Custody Signatures Present?	✓	
Containers Intact?:	✓	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	✓	
Extra labels on Terracore Vials? (soils only)		

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			✓
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			✓
Residual Chlorine Check (Total/Amenable/Free Cyanide)			✓
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent ✓
Trip Blank Present?		✓	
Trip Blank Custody Seals?:			✓
Out Of Temp Instructions if applicable:			

COMMENTS:

COC PAGE ____ of ____

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

			MeOH (only)						AMBER GLASS							PLASTIC									OTHER					Matrix
			SBS																										
			DI																										
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			
1																		1											GT
2																		1											
3																		1											
4																		1											
5																		1											
6																		3											
7																		1											
8																		1											
9																		1											
10																													
11																													
12																													

Nitric	Sulfuric	Sodium Hydroxide	Sodium Hydroxide/ ZnAc
Red	Yellow	Green	Black
HNO3 <2	H2SO4 <2	NaOH >10	NaOH/Zn Ac >9

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL	Oil
NAL	Non-aqueous liquid
WP	Wipe

Laboratory Report

Report prepared for:
Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
Report Production Coordinator
PO Box 51610
Knoxville, TN 37950 -1610
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2511944 MW-11S
Lab ID: 2025-V-6049 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.52 mg	2025-03-14

Sample: L2511944 MW-10S
Lab ID: 2025-V-6050 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.53 mg	2025-03-14

Sample: L2511944 MW-10D
Lab ID: 2025-V-6051 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.30 mg	2025-03-14

Sample: L2511944 MW-13S
Lab ID: 2025-V-6052 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.31 mg	2025-03-14

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Sample: L2511944 MW-13D
Lab ID: 2025-V-6053 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.51 mg	2025-03-14

Sample: L2511944 MW-1SR
Lab ID: 2025-V-6054 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.55 mg	2025-03-14

Sample: L2511944 MW-1SR, MS
Lab ID: 2025-V-6055 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.56 mg	2025-03-14

Sample: L2511944 MW-1SR, MSD
Lab ID: 2025-V-6056 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.20 mg	2025-03-14

Sample: L2511944 MW-10R2
Lab ID: 2025-V-6057 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.90 mg	2025-03-14

Sample: L2511944 DUP_03042025
Lab ID: 2025-V-6058 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	206.98 mg	2025-03-14

Sample: L2511944 EQUIPMENT BLANK

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Lab ID: 2025-V-6059 **Received:** 2025-03-06

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	207.13 mg	2025-03-14

Signatures:

Created By:	Debbie.S.Robertson	2025-03-18T17:40:06.873-04:00
Published By:	Debbie.S.Robertson	2025-03-18T17:40:29.557-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

March 27, 2025

Jennifer Byrnes
Pace Westborough
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2511944
Pace Project No.: 30761924

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on March 07, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Skyler C. Richmond
skyler.richmond@pacelabs.com
(724)850-5600
Project Manager

Enclosures

cc: Customer Service, Alpha Analytical

Pace Analytical Services, LLC
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

CERTIFICATIONS

Project: L2511944
Pace Project No.: 30761924

Pace Analytical Services Pennsylvania
1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
ANABISO/IEC 17025:2017 Rad Cert#: L24170
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 2950
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA010
Louisiana DEQ/TNI Certification #: 04086
Maine Certification #: 2023021
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991
Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572023-03
New Hampshire/TNI Certification #: 297622
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-015
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: TN02867
Texas/TNI Certification #: T104704188-22-18
Utah/TNI Certification #: PA014572223-14
USDA Soil Permit #: 525-23-67-77263
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad

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1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

SAMPLE SUMMARY

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	Matrix	Date Collected	Date Received
30761924001	**L2511944-02 MW-10S**	Water	03/04/25 15:40	03/07/25 11:45
30761924002	**L2511944-09 EQUIPMENT BLANK**	Water	03/04/25 15:30	03/07/25 11:45

REPORT OF LABORATORY ANALYSIS

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(724)850-5600

SAMPLE ANALYTE COUNT

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
30761924001	**L2511944-02 MW-10S**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 903.1	LL1	1	PASI-PA
		EPA 904.0	ZPC	1	PASI-PA
		HSL-300	JJY	6	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

Sample: L2511944-02 MW-10S **Lab ID: 30761924001** Collected: 03/04/25 15:40 Received: 03/07/25 11:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**1.48 ± 0.883 (1.25) C:NA T:93%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.694 ± 0.453 (0.881) C:78% T:92%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.428 ± 0.560 (0.773) C:NA T:80%**	pCi/L	03/18/25 08:58	14274-82-9	
Thorium-230	HSL-300	**0.196 ± 0.550 (1.02) C:NA T:80%**	pCi/L	03/18/25 08:58	14269-63-7	
Thorium-232	HSL-300	**0.269 ± 0.551 (0.762) C:NA T:80%**	pCi/L	03/18/25 08:58	7440-29-1	
Uranium-234	HSL-300	**0.455 ± 0.342 (0.459) C:NA T:96%**	pCi/L	03/17/25 13:53	13966-29-5	
Uranium-235	HSL-300	**0.142 ± 0.253 (0.393) C:NA T:96%**	pCi/L	03/17/25 13:53	15117-96-1	
Uranium-238	HSL-300	**0.418 ± 0.278 (0.126) C:NA T:96%**	pCi/L	03/17/25 13:53		

Sample: L2511944-09 EQUIPMENT BLANK **Lab ID: 30761924002** Collected: 03/04/25 15:30 Received: 03/07/25 11:45 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 903.1	**-0.296 ± 0.533 (1.15) C:NA T:94%**	pCi/L	03/20/25 15:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 904.0	**0.854 ± 0.468 (0.861) C:76% T:87%**	pCi/L	03/26/25 12:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Thorium-228	HSL-300	**0.259 ± 0.227 (0.327) C:NA T:69%**	pCi/L	03/18/25 08:58	14274-82-9	
Thorium-230	HSL-300	**-0.028 ± 0.140 (0.259) C:NA T:69%**	pCi/L	03/18/25 08:58	14269-63-7	
Thorium-232	HSL-300	**-0.009 ± 0.140 (0.194) C:NA T:69%**	pCi/L	03/18/25 08:58	7440-29-1	
Uranium-234	HSL-300	**0.075 ± 0.059 (0.066) C:NA T:98%**	pCi/L	03/17/25 13:53	13966-29-5	
Uranium-235	HSL-300	**0.027 ± 0.056 (0.036) C:NA T:98%**	pCi/L	03/17/25 13:53	15117-96-1	
Uranium-238	HSL-300	**0.034 ± 0.043 (0.066) C:NA T:98%**	pCi/L	03/17/25 13:53		

REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601
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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731930
QC Batch Method: EPA 904.0
Analysis Method: EPA 904.0
Analysis Description: 904.0 Radium 228
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3563078 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.603 ± 0.390 (0.725) C:73% T:88%	pCi/L	03/26/25 12:08	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731565
QC Batch Method: HSL-300
Analysis Method: HSL-300
Analysis Description: HSL300(AS) Actinides
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3561655 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Thorium-228	-0.039 ± 0.121 (0.321) C:NA T:78%	pCi/L	03/18/25 08:58	
Thorium-230	-0.021 ± 0.121 (0.215) C:NA T:78%	pCi/L	03/18/25 08:58	
Thorium-232	0.000 ± 0.121 (0.091) C:NA T:78%	pCi/L	03/18/25 08:58	
Uranium-234	0.054 ± 0.057 (0.090) C:NA T:93%	pCi/L	03/17/25 13:53	
Uranium-235	0.013 ± 0.055 (0.036) C:NA T:93%	pCi/L	03/17/25 13:53	
Uranium-238	0.024 ± 0.043 (0.066) C:NA T:93%	pCi/L	03/17/25 13:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: L2511944
Pace Project No.: 30761924

QC Batch: 731926
QC Batch Method: EPA 903.1
Analysis Method: EPA 903.1
Analysis Description: 903.1 Radium-226
Laboratory: Pace Analytical Services - Greensburg
Associated Lab Samples: 30761924001, 30761924002

METHOD BLANK: 3563073 Matrix: Water
Associated Lab Samples: 30761924001, 30761924002

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.344 ± 0.360 (0.564) C:NA T:97%	pCi/L	03/20/25 14:48	

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Greensburg, PA 15601
(724)850-5600

QUALIFIERS

Project: L2511944
Pace Project No.: 30761924

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: For Safe Drinking Water Act (SDWA) analyses, the reported Unc. Is the calculated Count Uncertainty (95% confidence interval) using a coverage factor of 1.96. For all other matrices (non-SDWA), the reported Unc. is the calculated Expanded Uncertainty (aka Combined Standard Uncertainty, CSU), reported at the 95% confidence interval using a coverage factor of 1.96.

Gamma Spec: The Unc. reported for all gamma-spectroscopy analyses (EPA 901.1), is the calculated Expanded Uncertainty (CSU) at the 95.4% confidence interval, using a coverage factor of 2.0.

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Greensburg, PA 15601
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2511944
Pace Project No.: 30761924

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
30761924001	**L2511944-02 MW-10S**	EPA 903.1	731926		
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 903.1	731926		
30761924001	**L2511944-02 MW-10S**	EPA 904.0	731930		
30761924002	**L2511944-09 EQUIPMENT BLANK**	EPA 904.0	731930		
30761924001	**L2511944-02 MW-10S**	HSL-300	731565		
30761924002	**L2511944-09 EQUIPMENT BLANK**	HSL-300	731565		

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WO# : 30761924

30761924

Subcontract Chain of Custody

Pace Analytical (Greensburg, PA)
1638 Roseytown Rd, Suite 2
Greensburg, PA 15601

Pace Job Number
L2511944

Page 1

Client Information

Client: Pace Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Report To:west.subreports@pacelabs.com
Bill To:invoices@pacelabs.coupahost.com

Phone: 716.427.5228
Email: Jennifer.Byrnes@pacelabs.com

Project Information

Project Location: NY
Project Manager: Jennifer Byrnes

Turnaround & Deliverables Information

Due Date:
Deliverables: ASP Category B Deliverables

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Report to MDL

Received by Pace Greensburg
Therm ID 19 Corr Factor +0.4
Receipt Temp 1.6
Corrected Temp 1.2
Correct Preservation (Y) / N

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2511944 Report to include Method and/or Regulatory required batch QC

Additional Comments: Report to MDL, ASPB package

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2511944-02	MW-10S	03-04-25 15:40	WATER	Isotopic Uranium	Uranium HASL 300		1
				WATER	Radium 226	Radium 226 903.1		1
				WATER	Radium 228	Radium 228 904.0		1
				WATER	Thorium	Thorium HASL300		1
	L2511944-09	EQUIPMENT BLANK	03-04-25 15:30	Equipment Blank	Isotopic Uranium	Uranium HASL 300		1
				Equipment Blank	Radium 226	Radium 226 903.1		1
				Equipment Blank	Radium 228	Radium 228 904.0		1
				Equipment Blank	Thorium	Thorium HASL300		1

001
002

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		3/5/25 1840		3/5/25 1840
		3/5/25 2200	PTS	3/6/25 0215
	PTS	3/6/25 0900		3/6 12:30
Form No: AL_subcoc		3/6 16:30	Aaron Reigh	3-7-25 1000
	Rel: Aaron Reigh	3-7-25 1145		3/7/25 1145

DC#_Title: ENV-FRM-GBUR-0088 v07_Sample Condition Upon Receipt-Greensburg

Effective Date: 01/04/2024

WO#: 30761924

PM: SCR Due Date: 03/28/25

CLIENT: ALPHA ANALYT

Client Name: Alpha

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking Number: _____

Initial / Date

Examined By: PS 3/8/25

Labeled By: PS 3/8/25

Temped By: EZ 3/7/25

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No **Seals Intact:** ☐ Yes ☐ No

Thermometer Used: 19 **Type of Ice:** (Wet) Blue None

Cooler Temperature: Observed Temp 1.6 °C Correction Factor: -0.4 °C Final Temp: 1.2 °C

Temp should be above freezing to 6°C

pH paper Lot# 10D1041 D.P.D. Residual Chlorine Lot # —

Comments:	Yes	No	NA	
Chain of Custody Present	✓			1.
Chain of Custody Filled Out:	✓			2.
-Were client corrections present on COC		✓		
Chain of Custody Relinquished	✓			3.
Sampler Name & Signature on COC:	✓			4.
Sample Labels match COC: PS 3/8/25	✓			5.
-Includes date/time/ID Matrix: WT				- sample 002 matrix listed as "equipment blank".
Samples Arrived within Hold Time:	✓			6.
Short Hold Time Analysis (<72hr remaining):		✓		7.
Rush Turn Around Time Requested:		✓		8.
Sufficient Volume:	✓			9.
Correct Containers Used:	✓			10.
-Pace Containers Used		✓		
Containers Intact:	✓			11.
Orthophosphate field filtered:			✓	12.
Hex Cr Aqueous samples field filtered:			✓	13.
Organic Samples checked for dichlorination			✓	14:
Filtered volume received for dissolved tests:			✓	15:
All containers checked for preservation: exceptions: VOA, coliform, TOC, O&G, Phenolics, Radon, non-aqueous matrix	✓			16. PH<2
All containers meet method preservation requirements:	✓			Initial when completed PS Date/Time of Preservation: Lot# of added Preservative:
8260C/D: Headspace in VOA Vials (> 6mm)			✓	17.
624.1: Headspace in VOA Vials (0mm)			✓	18.
Radon: Headspace in RAD Vials (0mm)			✓	19.
Trip Blank Present:			✓	Trip blank custody seal present? YES or NO
Rad Samples Screened <.05 mrem/hr.	✓			Initial when completed EZ Date: 3/7/25 Survey Meter SN: 25014380

Comments:

Note: For NC compliance samples with discrepancies, a copy of this form must be sent to the DEHNR Certification office.
PM Review is documented electronically in LIMS through the SRF Review schedule in the Workorder Edit Screen.

Qualtrax ID: 55680

Client

Site L2511944

Page 1 of 1

Profile/EZ Login Number 21500

Notes

Sample Line Item	Matrix	Amber Glass					Plastic								Vials					Other									
		AG1H	AG3S	AG3U	AG5U	AG5T	BP1N	BP1U	BP2S	BP2U	BP3B	BP3N	BP3S	BP3U	DG9S	VG9H	VG9T	VG9U	VOAK	WGFU	WGKU	ZPLC	GCUB	GJN	12GN	AG1U	BG1U	BP2N	
001	WT						4																						
002	↓						4																						

Container Codes

Glass

GJN	1 Gallon Jug with HNO3	DG9S	40mL amber VOA vial H2SO4
AG5U	100mL amber glass unpreserved	VG9U	40mL clear VOA vial
AG5T	100mL amber glass Na Thiosulfate	VG9T	40mL clear VOA vial Na Thiosulfate
GJN	1 Gallon Jug	VG9H	40mL clear VOA vial HCl
AG1S	1L amber glass H2SO4	JGFU	4oz amber wide jar
AG1H	1L amber glass HCl	WGFU	4oz wide jar unpreserved
AG1T	1L amber glass NA Thiosulfate	BG2U	500mL clear glass unpreserved
BG1U	1L clear glass unpreserved	AG2U	500mL amber glass unpreserved
AG3S	250mL amber glass H2SO4	WGKU	8oz wide jar unpreserved
AG3U	250mL amber glass unpreserved	GN	General

Plastic/Misc.

GCUB	1 gallon cubitainer
12GN	1/2 gallon cubitainer
SP5T	[illegible] Na Thiosulfate
BP1N	[illegible]
BP1U	[illegible]
BP3S	[illegible]
BP3N	[illegible]
BP3U	[illegible]
BP3B	250mL plastic NAOH
BP2S	500mL plastic H2SO4
BP2U	500mL plastic unpreserved

EZI	5g Encore
VOAK	Kit Volatile Solid
	Wipe/Swab
	oc Bag
	ter
	id
	n-Aq Liquid
WP	Wipe

WO#: 30761924
PM: SCR Due Date: 03/28/25
CLIENT: ALPHA ANALYT

Qualtrax ID: 55678