284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NYCDDC SANTWOBR BROOKLYN BRIDGE BBMCR

RU2 ENGINEERING, LLC

2 Melinda Drive

Monroe Township, NJ - 08831

Phone No: 732-261-2236

ORDER ID : Q1207

ATTENTION : Rutu Manani

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q1207

Project ID : NYCDDC SANTWOBR Brooklyn Bridge BBMCR

Client : RU2 Engineering, LLC

Lab Sample Number	Client Sample Number
Q1207-01	JPP-2.1-012725
Q1207-02	JPP-2.1-012725
Q1207-03	JPP-2.1-012725
Q1207-04	JPP-2.1-012725
Q1207-05	JPP-5.1-012725
Q1207-06	JPP-5.1-012725
Q1207-07	JPP-5.1-012725
Q1207-08	JPP-5.1-012725
Q1207-09	JPP-4.5-012725
Q1207-10	JPP-4.5-012725
Q1207-11	JPP-4.5-012725
Q1207-12	JPP-4.5-012725
Q1207-13	JPP-16.2-012725
Q1207-14	JPP-16.2-012725
Q1207-15	JPP-16.2-012725
Q1207-16	JPP-16.2-012725
Q1207-17	JPP-20.2-012725
Q1207-18	JPP-20.2-012725
Q1207-19	JPP-20.2-012725
Q1207-20	JPP-20.2-012725

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____ Date: 2/8/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RU2 Engineering, LLC
Project Name: NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Project # N/A
Chemtech Project # Q1207
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 01/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Diesel Range Organics, Gasoline Range Organics, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL and VOCMS Group1. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {Q1209-05MS} with File ID: BF141315.D recoveries met the requirements for all compounds except for Benzaldehyde[100%], Recovery failed due to matrix interference, Therefor no further corrective action was required.

The MSD {Q1209-05MSD} with File ID: BF141316.D recoveries met the acceptable requirements except for Benzaldehyde[109%], Recovery failed due to matrix interference, Therefor no further corrective action was required.

The RPD met criteria.

The Blank Spike for {PB166335BS} with File ID: BF141303.D met requirements for all samples except for Hexachlorocyclopentadiene[176%], Associated samples has no hit for this compound, therefor no further corrective action was required.

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The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Samples JPP-16.2-012725 was diluted with 2X due to concentrated matrix.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Q1207 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The MS {Q1209-05MS} with File ID: BF141315.D recoveries met the requirements for all compounds except for Benzaldehyde[100%], Recovery failed due to matrix interference, Therefor no further corrective action was required.

The MSD {Q1209-05MSD} with File ID: BF141316.D recoveries met the acceptable requirements except for Benzaldehyde[109%], Recovery failed due to matrix interference, Therefor no further corrective action was required.

The Blank Spike for {PB166335BS} with File ID: BF141303.D met requirements for all samples except for Hexachlorocyclopentadiene[176%], Associated samples has no hit for this compound, therefor no further corrective action was required.

9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓

Comments:

10.	Extraction Holding Time Met			✓

If not met, list number of days exceeded for each sample:

11.	Analysis Holding Time Met			✓

If not met, list number of days exceeded for each sample:

ADDITIONAL COMMENTS:

Samples JPP-16.2-012725 was diluted with 2X due to concentrated matrix.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1207

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 02/08/2025

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LAB CHRONICLE

OrderID:	Q1207	**OrderDate:**	1/28/2025 11:40:00 AM
Client:	RU2 Engineering, LLC	**Project:**	NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Contact:	Rutu Manani	**Location:**	E11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1207-03	**JPP-2.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1207-04	**JPP-2.1-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/05/25	
Q1207-07	**JPP-5.1-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1207-08	**JPP-5.1-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/05/25	
Q1207-11	**JPP-4.5-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1207-12	**JPP-4.5-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/05/25	
Q1207-15	**JPP-16.2-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1207-16	**JPP-16.2-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/05/25	
Q1207-19	**JPP-20.2-012725**	**SOIL**			**01/27/25**			**01/28/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/05/25	
Q1207-20	**JPP-20.2-012725**	**TCLP**			**01/27/25**			**01/28/25**
			TCLP BNA	8270E		01/29/25	02/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : JPP-2.1-012725									
Q1207-03	JPP-2.1-012725	SOIL	Phenanthrene		850.000		95.7	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Anthracene		240.000		96.2	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Fluoranthene		1,800.000		93.1	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Pyrene		1,000.000		94.6	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo(a)anthracene		790.000		92	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Chrysene		670.000		90.6	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo(b)fluoranthene		840.000		92.4	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo(k)fluoranthene		320.000		94.1	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo(a)pyrene		660.000		110	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Indeno(1,2,3-cd)pyrene		220.000		89	190	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo(g,h,i)perylene		230.000		91.3	190	ug/Kg
			Total Svoc :		**7,620.00**				
Q1207-03	JPP-2.1-012725	SOIL	11H-Benzo[a]fluorene	*	79.400	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	11H-Benzo[b]fluorene	*	190.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	140.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	450.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Anthracene, 2-methyl-	*	190.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Cyclopenta(def)phenanthrenone	*	130.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Dehydrochamazulene	*	120.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzo[e]pyrene	*	420.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Naphthalene, 1-phenyl-	*	100.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Naphthalene, 2-phenyl-	*	180.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Pyrene, 1-methyl-	*	110.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Pyrene, 2-methyl-	*	110.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Phenanthrene, 2,5-dimethyl-	*	140.000	J	0	0	ug/Kg
Q1207-03	JPP-2.1-012725	SOIL	Phenanthrene, 2-methyl-	*	420.000	J	0	0	ug/Kg
			Total Tics :		**3,159.40**				
			Total Concentration:		**10,779.40**				
Client ID : JPP-5.1-012725									
Q1207-07	JPP-5.1-012725	SOIL	Phenanthrene		720.000		92.4	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Anthracene		230.000		92.8	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Fluoranthene		1,100.000		89.8	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Pyrene		770.000		91.3	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Benzo(a)anthracene		460.000		88.7	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Chrysene		360.000		87.4	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Benzo(b)fluoranthene		510.000		89.2	190	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1207-07	JPP-5.1-012725	SOIL	Benzo(k)fluoranthene		230.000		90.8	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Benzo(a)pyrene		470.000		100	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Indeno(1,2,3-cd)pyrene		220.000		85.9	190	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Benzo(g,h,i)perylene		240.000		88.1	190	ug/Kg
			Total Svoc :		**5,310.00**				
Q1207-07	JPP-5.1-012725	SOIL	2,6-Bis(chloromethyl)-4-methylph	*	75.500	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	120.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	250.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Anthracene, 1-methyl-	*	82.500	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Dibenzothiophene	*	86.900	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Heptadecane	*	130.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Hexadecane	*	130.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Octacosane	*	130.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Phenanthrene, 1-methyl-	*	170.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Retene	*	200.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Tetradecane	*	140.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	Tridecane	*	180.000	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	unknown11.610	*	87.600	J	0	0	ug/Kg
Q1207-07	JPP-5.1-012725	SOIL	unknown12.410	*	120.000	J	0	0	ug/Kg
			Total Tics :		**2,162.50**				
			Total Concentration:		**7,472.50**				
Client ID :	**JPP-4.5-012725**								
Q1207-11	JPP-4.5-012725	SOIL	Acenaphthene		110.000	J	99.3	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Fluorene		110.000	J	100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Phenanthrene		1,000.000		100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Anthracene		350.000		100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Fluoranthene		1,600.000		100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Pyrene		990.000		100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzo(a)anthracene		600.000		98.8	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Chrysene		500.000		97.3	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Bis(2-ethylhexyl)phthalate		110.000	J	110	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzo(b)fluoranthene		640.000		99.3	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzo(k)fluoranthene		330.000		100	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzo(a)pyrene		580.000		110	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Indeno(1,2,3-cd)pyrene		250.000		95.6	210	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzo(g,h,i)perylene		320.000		98.1	210	ug/Kg
			Total Svoc :		**7,490.00**				
Q1207-11	JPP-4.5-012725	SOIL	2-Ethylhexyl mercaptoacetate	*	330.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	3-Ethyl-2,6,10-trimethylundecane	*	300.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1207-11	JPP-4.5-012725	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	320.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	580.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	(1S,4aS,4bS,7S,8aS,10aS)-7-Isopı	*	370.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Anthracene, 2-methyl-	*	460.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Cyclopentanone, 2-methyl-	*	430.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Dodecane, 1-iodo-	*	230.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Dodecane, 2,7,10-trimethyl-	*	200.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Eicosane	*	210.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Heptadecane	*	170.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Hexadecane	*	270.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Hexadecane, 3-methyl-	*	770.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Retene	*	2,000.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Tetradecane	*	300.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Tridecane	*	210.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	unknown6.857	*	180.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Naphthalene, 6-ethyl-1,2,3,4-tetra	*	2,300.000	J	0	0	ug/Kg
Q1207-11	JPP-4.5-012725	SOIL	Nonadecane	*	310.000	J	0	0	ug/Kg
			Total Tics :		**10,240.00**				
			Total Concentration:		**17,730.00**				
Client ID :	**JPP-16.2-012725**								
Q1207-15	JPP-16.2-012725	SOIL	Phenanthrene		620.000		190	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Anthracene		190.000	J	190	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Fluoranthene		1,200.000		180	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Pyrene		920.000		190	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzo(a)anthracene		570.000		180	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Chrysene		440.000		180	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzo(b)fluoranthene		610.000		180	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzo(k)fluoranthene		320.000	J	190	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzo(a)pyrene		590.000		210	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Indeno(1,2,3-cd)pyrene		260.000	J	180	380	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzo(g,h,i)perylene		310.000	J	180	380	ug/Kg
			Total Svoc :		**6,030.00**				
Q1207-15	JPP-16.2-012725	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	160.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	280.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Benzophenone	*	460.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Hexadecane	*	180.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	n-Hexadecanoic acid	*	440.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Nonadecane	*	240.000	J	0	0	ug/Kg
Q1207-15	JPP-16.2-012725	SOIL	Retene	*	330.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1207-15	JPP-16.2-012725	SOIL	Tridecane	*	160.000	J	0	0	ug/Kg
			Total Tics :		**2,250.00**				
			Total Concentration:		**8,280.00**				
Client ID :	**JPP-20.2-012725**								
Q1207-19	JPP-20.2-012725	SOIL	Phenanthrene		550.000		95.5	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Anthracene		120.000	J	96	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Fluoranthene		770.000		92.9	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Pyrene		500.000		94.4	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo(a)anthracene		340.000		91.8	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Chrysene		320.000		90.4	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo(b)fluoranthene		390.000		92.2	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo(k)fluoranthene		200.000		93.9	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo(a)pyrene		370.000		110	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Indeno(1,2,3-cd)pyrene		120.000	J	88.8	190	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo(g,h,i)perylene		150.000	J	91.1	190	ug/Kg
			Total Svoc :		**3,830.00**				
Q1207-19	JPP-20.2-012725	SOIL	Phenanthrene, 1-methyl-	*	130.000	J	0	0	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	.beta.-iso-Methyl ionone	*	160.000	J	0	0	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	4H-Cyclopenta[def]phenanthrene	*	150.000	J	0	0	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzo[e]pyrene	*	250.000	J	0	0	ug/Kg
Q1207-19	JPP-20.2-012725	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
			Total Tics :		**830.00**				
			Total Concentration:		**4,660.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166335BL	PB166335BL	2-Fluorophenol	150	143	96		18	112
		Phenol-d6	150	140	93		15	107
		Nitrobenzene-d5	100	100.0	100		18	107
		2-Fluorobiphenyl	100	98.4	98		20	109
		2,4,6-Tribromophenol	150	158	105		10	116
		Terphenyl-d14	100	90.7	91		10	105
PB166335BS	PB166335BS	2-Fluorophenol	150	128	85		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	87.9	88		18	107
		2-Fluorobiphenyl	100	83.5	83		20	109
		2,4,6-Tribromophenol	150	133	89		10	116
		Terphenyl-d14	100	88.2	88		10	105
Q1207-03	JPP-2.1-012725	2-Fluorophenol	150	75.4	50		18	112
		Phenol-d6	150	72.0	48		15	107
		Nitrobenzene-d5	100	54.9	55		18	107
		2-Fluorobiphenyl	100	54.0	54		20	109
		2,4,6-Tribromophenol	150	73.2	49		10	116
		Terphenyl-d14	100	34.8	35		10	105
Q1207-07	JPP-5.1-012725	2-Fluorophenol	150	58.8	39		18	112
		Phenol-d6	150	58.6	39		15	107
		Nitrobenzene-d5	100	46.8	47		18	107
		2-Fluorobiphenyl	100	49.1	49		20	109
		2,4,6-Tribromophenol	150	41.7	28		10	116
		Terphenyl-d14	100	40.0	40		10	105
Q1207-11	JPP-4.5-012725	2-Fluorophenol	150	66.7	44		18	112
		Phenol-d6	150	60.8	41		15	107
		Nitrobenzene-d5	100	48.7	49		18	107
		2-Fluorobiphenyl	100	50.5	50		20	109
		2,4,6-Tribromophenol	150	65.1	43		10	116
		Terphenyl-d14	100	41.0	41		10	105
Q1207-15	JPP-16.2-012725	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	95.0	63		15	107
		Nitrobenzene-d5	100	73.9	74		18	107
		2-Fluorobiphenyl	100	78.6	79		20	109
		2,4,6-Tribromophenol	150	98.3	66		10	116
		Terphenyl-d14	100	71.1	71		10	105
Q1207-19	JPP-20.2-012725	2-Fluorophenol	150	42.6	28		18	112
		Phenol-d6	150	40.5	27		15	107
		Nitrobenzene-d5	100	29.2	29		18	107
		2-Fluorobiphenyl	100	29.2	29		20	109
		2,4,6-Tribromophenol	150	35.6	24		10	116
		Terphenyl-d14	100	18.1	18		10	105
Q1209-05MS	WC-5MS	2-Fluorophenol	150	88.1	59		18	112
		Phenol-d6	150	88.4	59		15	107
		Nitrobenzene-d5	100	61.6	62		18	107
		2-Fluorobiphenyl	100	57.4	57		20	109
		2,4,6-Tribromophenol	150	93.3	62		10	116
		Terphenyl-d14	100	65.2	65		10	105
Q1209-05MSD	WC-5MSD	2-Fluorophenol	150	89.7	60		18	112
		Phenol-d6	150	90.9	61		15	107
		Nitrobenzene-d5	100	63.3	63		18	107

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Surrogate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1209-05MSD	WC-5MSD	2-Fluorobiphenyl	100	59.4	59		20	109
		2,4,6-Tribromophenol	150	97.4	65		10	116
		Terphenyl-d14	100	66.2	66		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1209-05MS		**Client Sample ID: WC-5MS**						**DataFile: BF141315.D**			
Benzaldehyde	1100	0	1100	ug/Kg	100	*			10	86	
Phenol	1100	0	880	ug/Kg	80				67	126	
bis(2-Chloroethyl)ether	1100	0	870	ug/Kg	79				54	125	
2-Chlorophenol	1100	0	890	ug/Kg	81				79	107	
2-Methylphenol	1100	0	890	ug/Kg	81				66	122	
2,2-oxybis(1-Chloropropane)	1100	0	910	ug/Kg	83				65	110	
Acetophenone	1100	0	930	ug/Kg	85				75	111	
3+4-Methylphenols	1100	0	840	ug/Kg	76				66	104	
N-Nitroso-di-n-propylamine	1100	0	850	ug/Kg	77				59	119	
Hexachloroethane	1100	0	840	ug/Kg	76				65	117	
Nitrobenzene	1100	0	830	ug/Kg	75				70	119	
Isophorone	1100	0	890	ug/Kg	81				76	122	
2-Nitrophenol	1100	0	890	ug/Kg	81				54	145	
2,4-Dimethylphenol	1100	0	1100	ug/Kg	100				44	135	
bis(2-Chloroethoxy)methane	1100	0	870	ug/Kg	79				68	112	
2,4-Dichlorophenol	1100	0	870	ug/Kg	79				72	118	
Naphthalene	1100	0	830	ug/Kg	75				72	110	
4-Chloroaniline	1100	0	340	ug/Kg	31				10	91	
Hexachlorobutadiene	1100	0	820	ug/Kg	75				66	114	
Caprolactam	1100	0	970	ug/Kg	88				51	134	
4-Chloro-3-methylphenol	1100	0	890	ug/Kg	81				57	132	
2-Methylnaphthalene	1100	0	820	ug/Kg	75				59	123	
Hexachlorocyclopentadiene	2300	0	3300	ug/Kg	143				10	175	
2,4,6-Trichlorophenol	1100	0	910	ug/Kg	83				72	117	
2,4,5-Trichlorophenol	1100	0	810	ug/Kg	74				72	117	
1,1-Biphenyl	1100	0	920	ug/Kg	84				75	113	
2-Chloronaphthalene	1100	0	820	ug/Kg	75				67	118	
2-Nitroaniline	1100	0	880	ug/Kg	80				69	127	
Dimethylphthalate	1100	0	860	ug/Kg	78				70	113	
Acenaphthylene	1100	0	910	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1100	0	820	ug/Kg	75				70	125	
3-Nitroaniline	1100	0	400	ug/Kg	36				30	99	
Acenaphthene	1100	0	940	ug/Kg	85				70	121	
2,4-Dinitrophenol	2300	0	2100	ug/Kg	91				10	155	
4-Nitrophenol	2300	0	2000	ug/Kg	87				45	133	
Dibenzofuran	1100	0	840	ug/Kg	76				72	110	
2,4-Dinitrotoluene	1100	0	860	ug/Kg	78				55	128	
Diethylphthalate	1100	0	850	ug/Kg	77				70	112	
4-Chlorophenyl-phenylether	1100	0	820	ug/Kg	75				71	108	
Fluorene	1100	0	830	ug/Kg	75				68	116	
4-Nitroaniline	1100	0	880	ug/Kg	80				55	120	
4,6-Dinitro-2-methylphenol	1100	0	1000	ug/Kg	91				10	160	
N-Nitrosodiphenylamine	1100	0	900	ug/Kg	82				73	118	
4-Bromophenyl-phenylether	1100	0	880	ug/Kg	80				65	121	
Hexachlorobenzene	1100	0	870	ug/Kg	79				67	118	
Atrazine	1100	0	980	ug/Kg	89				79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	2300	0	1900	ug/Kg	83				47	128	
Phenanthrene	1100	0	890	ug/Kg	81				52	128	
Anthracene	1100	0	920	ug/Kg	84				62	124	
Carbazole	1100	0	910	ug/Kg	83				59	119	
Di-n-butylphthalate	1100	0	910	ug/Kg	83				69	118	
Fluoranthene	1100	0	870	ug/Kg	79				44	125	
Pyrene	1100	0	880	ug/Kg	80				26	142	
Butylbenzylphthalate	1100	0	1000	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	1100	0	660	ug/Kg	60				33	116	
Benzo(a)anthracene	1100	0	830	ug/Kg	75				71	114	
Chrysene	1100	0	880	ug/Kg	80				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	960	ug/Kg	87				42	169	
Di-n-octyl phthalate	1100	0	910	ug/Kg	83				23	175	
Benzo(b)fluoranthene	1100	0	860	ug/Kg	78				67	121	
Benzo(k)fluoranthene	1100	0	870	ug/Kg	79				57	134	
Benzo(a)pyrene	1100	0	950	ug/Kg	86				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1000	ug/Kg	91				40	129	
Dibenz(a,h)anthracene	1100	0	1000	ug/Kg	91				43	123	
Benzo(g,h,i)perylene	1100	0	940	ug/Kg	85				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	910	ug/Kg	83				69	124	
1,4-Dioxane	1100	0	870	ug/Kg	79				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	910	ug/Kg	83				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1209-05MSD		**Client Sample ID: WC-5MSD**						**DataFile: BF141316.D**			
Benzaldehyde	1100	0	1200	ug/Kg	109	*	9		10	86	20
Phenol	1100	0	900	ug/Kg	82		2		67	126	20
bis(2-Chloroethyl)ether	1100	0	880	ug/Kg	80		1		54	125	20
2-Chlorophenol	1100	0	920	ug/Kg	84		4		79	107	20
2-Methylphenol	1100	0	900	ug/Kg	82		1		66	122	20
2,2-oxybis(1-Chloropropane)	1100	0	930	ug/Kg	85		2		65	110	20
Acetophenone	1100	0	960	ug/Kg	87		2		75	111	20
3+4-Methylphenols	1100	0	850	ug/Kg	77		1		66	104	20
N-Nitroso-di-n-propylamine	1100	0	880	ug/Kg	80		4		59	119	20
Hexachloroethane	1100	0	870	ug/Kg	79		4		65	117	20
Nitrobenzene	1100	0	840	ug/Kg	76		1		70	119	20
Isophorone	1100	0	910	ug/Kg	83		2		76	122	20
2-Nitrophenol	1100	0	920	ug/Kg	84		4		54	145	20
2,4-Dimethylphenol	1100	0	1100	ug/Kg	100		0		44	135	20
bis(2-Chloroethoxy)methane	1100	0	890	ug/Kg	81		3		68	112	20
2,4-Dichlorophenol	1100	0	890	ug/Kg	81		3		72	118	20
Naphthalene	1100	0	840	ug/Kg	76		1		72	110	20
4-Chloroaniline	1100	0	320	ug/Kg	29		7		10	91	20
Hexachlorobutadiene	1100	0	830	ug/Kg	75		0		66	114	20
Caprolactam	1100	0	970	ug/Kg	88		0		51	134	20
4-Chloro-3-methylphenol	1100	0	900	ug/Kg	82		1		57	132	20
2-Methylnaphthalene	1100	0	840	ug/Kg	76		1		59	123	20
Hexachlorocyclopentadiene	2300	0	3500	ug/Kg	152		6		10	175	20
2,4,6-Trichlorophenol	1100	0	960	ug/Kg	87		5		72	117	20
2,4,5-Trichlorophenol	1100	0	850	ug/Kg	77		4		72	117	20
1,1-Biphenyl	1100	0	960	ug/Kg	87		4		75	113	20
2-Chloronaphthalene	1100	0	850	ug/Kg	77		3		67	118	20
2-Nitroaniline	1100	0	940	ug/Kg	85		6		69	127	20
Dimethylphthalate	1100	0	890	ug/Kg	81		4		70	113	20
Acenaphthylene	1100	0	940	ug/Kg	85		2		79	118	20
2,6-Dinitrotoluene	1100	0	860	ug/Kg	78		4		70	125	20
3-Nitroaniline	1100	0	410	ug/Kg	37		3		30	99	20
Acenaphthene	1100	0	980	ug/Kg	89		5		70	121	20
2,4-Dinitrophenol	2300	0	2200	ug/Kg	96		5		10	155	20
4-Nitrophenol	2300	0	2100	ug/Kg	91		4		45	133	20
Dibenzofuran	1100	0	870	ug/Kg	79		4		72	110	20
2,4-Dinitrotoluene	1100	0	890	ug/Kg	81		4		55	128	20
Diethylphthalate	1100	0	880	ug/Kg	80		4		70	112	20
4-Chlorophenyl-phenylether	1100	0	850	ug/Kg	77		3		71	108	20
Fluorene	1100	0	860	ug/Kg	78		4		68	116	20
4-Nitroaniline	1100	0	910	ug/Kg	83		4		55	120	20
4,6-Dinitro-2-methylphenol	1100	0	1100	ug/Kg	100		9		10	160	20
N-Nitrosodiphenylamine	1100	0	920	ug/Kg	84		2		73	118	20
4-Bromophenyl-phenylether	1100	0	910	ug/Kg	83		4		65	121	20
Hexachlorobenzene	1100	0	880	ug/Kg	80		1		67	118	20
Atrazine	1100	0	1000	ug/Kg	91		2		79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	1900	ug/Kg	83	0			47	128	20
Phenanthrene	1100	0	910	ug/Kg	83	2			52	128	20
Anthracene	1100	0	940	ug/Kg	85	1			62	124	20
Carbazole	1100	0	930	ug/Kg	85	2			59	119	20
Di-n-butylphthalate	1100	0	930	ug/Kg	85	2			69	118	20
Fluoranthene	1100	0	910	ug/Kg	83	5			44	125	20
Pyrene	1100	0	900	ug/Kg	82	2			26	142	20
Butylbenzylphthalate	1100	0	1000	ug/Kg	91	0			64	126	20
3,3-Dichlorobenzidine	1100	0	700	ug/Kg	64	6			33	116	20
Benzo(a)anthracene	1100	0	890	ug/Kg	81	8			71	114	20
Chrysene	1100	0	890	ug/Kg	81	1			57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91	4			42	169	20
Di-n-octyl phthalate	1100	0	950	ug/Kg	86	4			23	175	20
Benzo(b)fluoranthene	1100	0	950	ug/Kg	86	10			67	121	20
Benzo(k)fluoranthene	1100	0	850	ug/Kg	77	3			57	134	20
Benzo(a)pyrene	1100	0	980	ug/Kg	89	3			70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1000	ug/Kg	91	0			40	129	20
Dibenz(a,h)anthracene	1100	0	1000	ug/Kg	91	0			43	123	20
Benzo(g,h,i)perylene	1100	0	960	ug/Kg	87	2			24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	950	ug/Kg	86	4			69	124	20
1,4-Dioxane	1100	0	870	ug/Kg	79	0			46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	950	ug/Kg	86	4			69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8270E **DataFile:** BF141303.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166335BS	Benzaldehyde	1700	220	ug/Kg	13				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	5800	ug/Kg	176		*		45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	970	ug/Kg	57				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	
	4-Nitrophenol	3300	3300	ug/Kg	100				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1207

Client: RU2 Engineering, LLC

Analytical Method: 8270E **DataFile:** BF141303.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166335BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	840	ug/Kg	49				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166335BL

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

Lab File ID: BF141374.D Lab Sample ID: PB166335BL

Instrument ID: BNA_F Date Extracted: 01/29/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/03/2025

Level: (low/med) LOW Time Analyzed: 17:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
JPP-2.1-012725	Q1207-03	BF141462.D	02/05/2025
JPP-5.1-012725	Q1207-07	BF141464.D	02/05/2025
JPP-20.2-012725	Q1207-19	BF141460.D	02/05/2025
JPP-4.5-012725	Q1207-11	BF141463.D	02/05/2025
JPP-16.2-012725	Q1207-15	BF141465.D	02/05/2025
PB166335BS	PB166335BS	BF141303.D	01/30/2025
WC-5MS	Q1209-05MS	BF141315.D	01/30/2025
WC-5MSD	Q1209-05MSD	BF141316.D	01/30/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1207 SDG NO.: Q1207

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.4) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1207 SDG NO.: Q1207

Lab File ID: BF141300.D DFTPP Injection Date: 01/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.8) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141301.D	01/30/2025	08:54
PB166335BS	PB166335BS	BF141303.D	01/30/2025	09:57
WC-5MS	Q1209-05MS	BF141315.D	01/30/2025	16:03
WC-5MSD	Q1209-05MSD	BF141316.D	01/30/2025	16:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1207 SDG NO.: Q1207

Lab File ID: BF141372.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.1
68	Less than 2.0% of mass 69	0.8 (2) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	50.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.7 (19.5) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141373.D	02/03/2025	17:14
PB166335BL	PB166335BL	BF141374.D	02/03/2025	17:41

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM SAS No.: Q1207 SDG NO.: Q1207

Lab File ID: BF141446.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.9 (18.2) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141447.D	02/05/2025	15:16
JPP-20.2-012725	Q1207-19	BF141460.D	02/05/2025	21:05
JPP-2.1-012725	Q1207-03	BF141462.D	02/05/2025	21:57
JPP-4.5-012725	Q1207-11	BF141463.D	02/05/2025	22:23
JPP-5.1-012725	Q1207-07	BF141464.D	02/05/2025	22:49
JPP-16.2-012725	Q1207-15	BF141465.D	02/05/2025	23:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	146467	6.798	575983	8.08	308835	9.84
	UPPER LIMIT	292934	7.298	1151970	8.581	617670	10.339
	LOWER LIMIT	73233.5	6.298	287992	7.581	154418	9.339
	EPA SAMPLE NO.						
01	PB166335BS	142147	6.80	577653	8.08	314839	9.84
02	WC-5MS	167075	6.80	669898	8.08	361408	9.84
03	WC-5MSD	167424	6.80	670473	8.08	356498	9.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	511005	11.322	290304	13.969	298783	15.421
	UPPER LIMIT	1022010	11.822	580608	14.469	597566	15.921
	LOWER LIMIT	255503	10.822	145152	13.469	149392	14.921
	EPA SAMPLE NO.						
01	PB166335BS	527268	11.33	325031	13.97	295368	15.45
02	WC-5MS	589870	11.33	319317	13.97	315915	15.45
03	WC-5MSD	588680	11.33	325949	13.97	310604	15.46

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	104167	6.798	414412	8.08	226326	9.83
	UPPER LIMIT	208334	7.298	828824	8.581	452652	10.333
	LOWER LIMIT	52083.5	6.298	207206	7.581	113163	9.333
	EPA SAMPLE NO.						
01	PB166335BL	90939	6.79	365110	8.08	206122	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141373.D Time Analyzed: 17:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	383558	11.322	233911	13.963	231577	15.415
	UPPER LIMIT	767116	11.822	467822	14.463	463154	15.915
	LOWER LIMIT	191779	10.822	116956	13.463	115789	14.915
	EPA SAMPLE NO.						
01	PB166335BL	372851	11.32	290144	13.96	250729	15.40

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141447.D Time Analyzed: 15:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	82418	6.792	312528	8.08	169230	9.83
	UPPER LIMIT	164836	7.292	625056	8.575	338460	10.328
	LOWER LIMIT	41209	6.292	156264	7.575	84615	9.328
	EPA SAMPLE NO.						
01	JPP-2.1-012725	70299	6.79	262308	8.07	119422	9.83
02	JPP-5.1-012725	59021	6.79	209153	8.07	95113	9.83
03	JPP-4.5-012725	64317	6.79	224656	8.07	101868	9.83
04	JPP-16.2-012725	63173	6.79	226729	8.08	107544	9.83
05	JPP-20.2-012725	72530	6.79	288100	8.07	141483	9.83

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG NO.: Q1207

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141447.D Time Analyzed: 15:16

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	293274	11.316	189132	13.963	170936	15.421
	UPPER LIMIT	586548	11.816	378264	14.463	341872	15.921
	LOWER LIMIT	146637	10.816	94566	13.463	85468	14.921
	EPA SAMPLE NO.						
01	JPP-2.1-012725	175054	11.31	157036	13.96	119629	15.41
02	JPP-5.1-012725	162078	11.32	126468	13.96	93403	15.42
03	JPP-4.5-012725	168524	11.32	142671	13.96	103713	15.42
04	JPP-16.2-012725	186178	11.32	135658	13.96	100723	15.42
05	JPP-20.2-012725	194970	11.31	168850	13.96	153896	15.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-2.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141462.D	1	01/29/25 08:40	02/05/25 21:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	380	U	210	380	ug/Kg
108-95-2	Phenol	190	U	94.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	95.4	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	95.2	190	ug/Kg
95-48-7	2-Methylphenol	190	U	91.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	99.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	90.9	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.2	U	45.9	91.2	ug/Kg
67-72-1	Hexachloroethane	190	U	94.6	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	96.4	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	97.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	86.0	190	ug/Kg
91-20-3	Naphthalene	190	U	94.1	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	94.1	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	94.9	190	ug/Kg
105-60-2	Caprolactam	380	U	98.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	88.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	94.0	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	81.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	84.3	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	99.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	94.9	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	93.1	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-2.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141462.D	1	01/29/25 08:40	02/05/25 21:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	98.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	94.8	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	190	U	92.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	380	U	130	380	ug/Kg
132-64-9	Dibenzofuran	190	U	96.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	98.2	190	ug/Kg
84-66-2	Diethylphthalate	190	U	91.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	97.6	190	ug/Kg
86-73-7	Fluorene	190	U	97.4	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	93.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	89.9	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	96.9	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	380	U	88.1	380	ug/Kg
85-01-8	Phenanthrene	850		95.7	190	ug/Kg
120-12-7	Anthracene	240		96.2	190	ug/Kg
86-74-8	Carbazole	190	U	91.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	96.1	190	ug/Kg
206-44-0	Fluoranthene	1800		93.1	190	ug/Kg
129-00-0	Pyrene	1000		94.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	790		92.0	190	ug/Kg
218-01-9	Chrysene	670		90.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	840		92.4	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-2.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141462.D	1	01/29/25 08:40	02/05/25 21:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	320		94.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	660		110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220		89.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	92.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230		91.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	98.9	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	130	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	85.1	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.4		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	72.0		15 - 107	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.9		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		20 - 109	54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.2		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	34.8		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787			
1146-65-2	Naphthalene-d8	262000	8.069			
15067-26-2	Acenaphthene-d10	119000	9.828			
1517-22-2	Phenanthrene-d10	175000	11.31			
1719-03-5	Chrysene-d12	157000	13.957			
1520-96-3	Perylene-d12	120000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	380	J		10.5	ug/Kg
321732-25-6	Dehydrochamazulene	120	J		11.2	ug/Kg
000613-12-7	Anthracene, 2-methyl-	190	J		11.8	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	420	J		11.8	ug/Kg
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	140	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	450	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	180	J		12.1	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-2.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141462.D	1	01/29/25 08:40	02/05/25 21:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003674-66-6	Phenanthrene, 2,5-dimethyl-	140	J		12.4	ug/Kg
000605-02-7	Naphthalene, 1-phenyl-	100	J		12.4	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	130	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	110	J		13.0	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	190	J		13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	79.4	J		13.2	ug/Kg
003442-78-2	Pyrene, 2-methyl-	110	J		13.2	ug/Kg
000192-97-2	Benzo[e]pyrene	420	J		15.3	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 06 01:49:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70299	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	262308	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	119422	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	157036	20.000	ng	-0.02
86) Perylene-d12	15.410	264	119629	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	345337	75.415	ng	0.00
7) Phenol-d6	6.428	99	419566	72.025	ng	-0.01
23) Nitrobenzene-d5	7.351	82	273058	54.877	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	80144	73.203	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	418789	53.976	ng	-0.02
79) Terphenyl-d14	12.898	244	353865	34.752	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	209995	22.316	ng	99
72) Anthracene	11.386	178	59171	6.418	ng	99
75) Fluoranthene	12.527	202	450453	48.482	ng	98
78) Pyrene	12.757	202	400090	26.542	ng	99
81) Benzo(a)anthracene	13.945	228	226161	20.871	ng	97
83) Chrysene	13.980	228	173906	17.511	ng	97
87) Indeno(1,2,3-cd)pyrene	16.845	276	45120	5.844	ng	# 92
88) Benzo(b)fluoranthene	14.992	252	166931m	22.184	ng	
89) Benzo(k)fluoranthene	15.010	252	56319m	8.448	ng	
90) Benzo(a)pyrene	15.351	252	110626	17.397	ng	97
92) Benzo(g,h,i)perylene	17.280	276	39009	6.039	ng	95

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

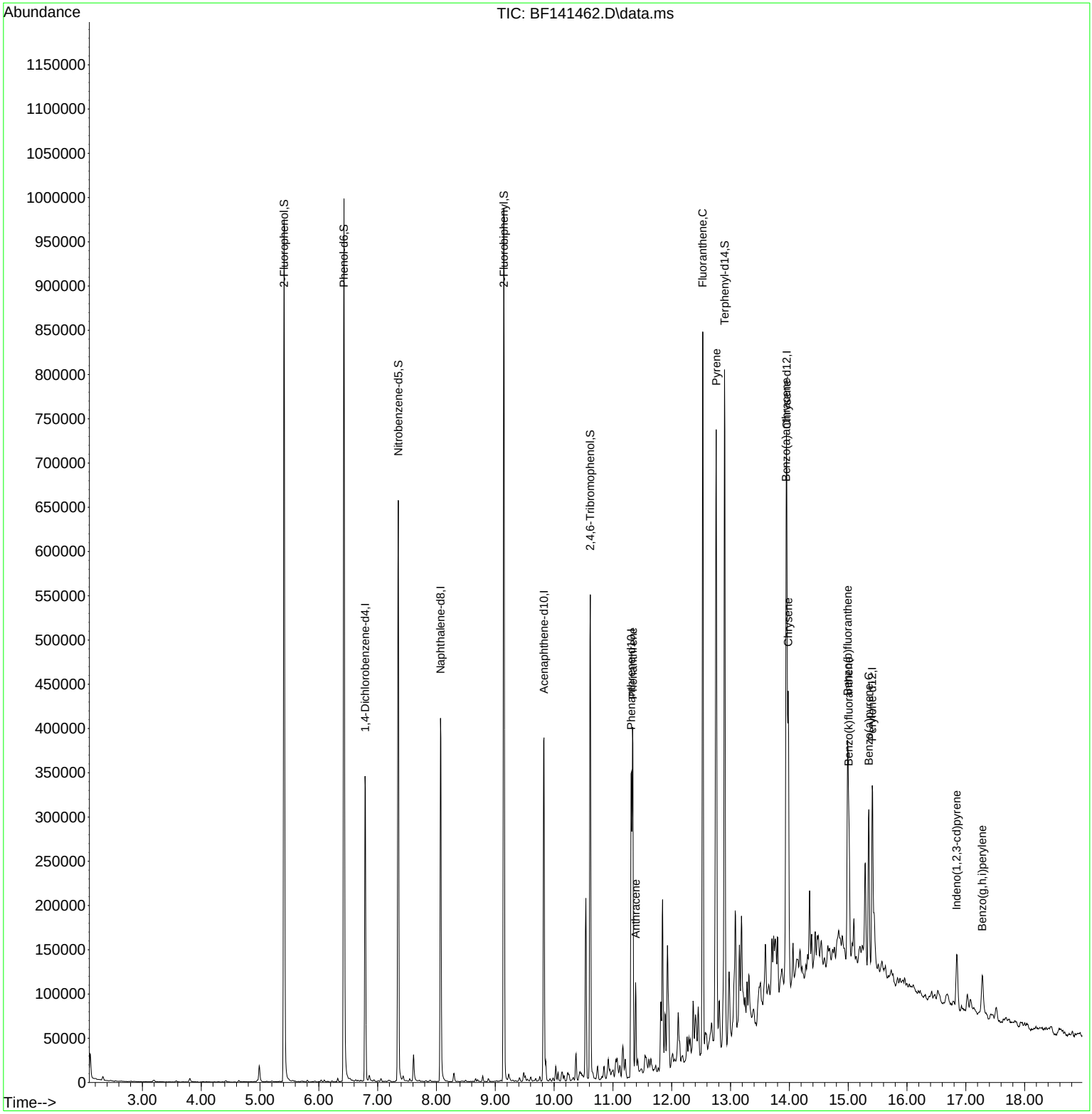
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

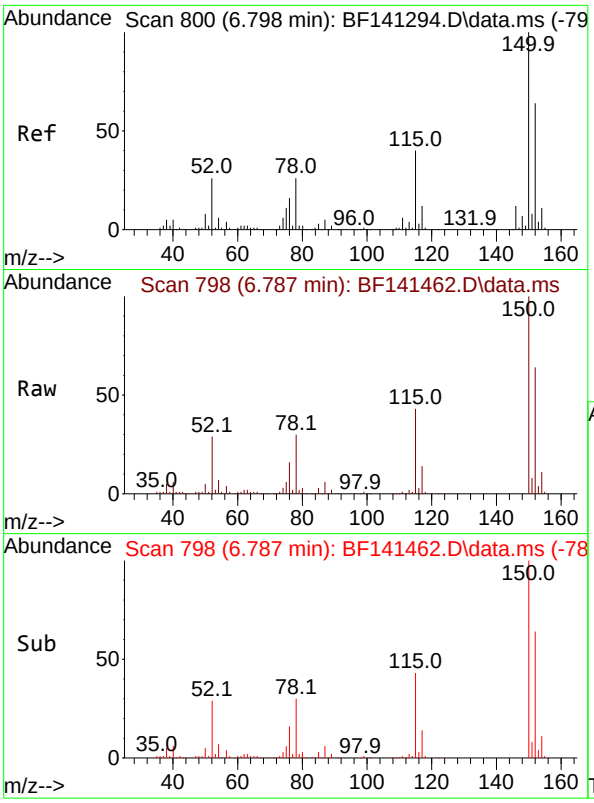
Quant Time: Feb 06 01:49:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

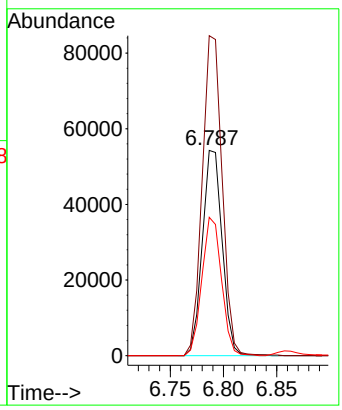




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:152 Resp: 7029

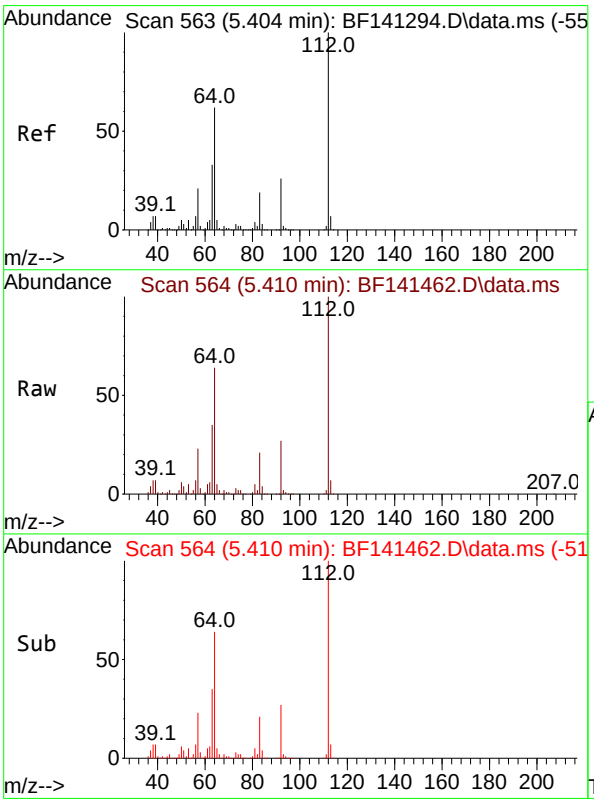
Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.9	188.9
115	67.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Manual Integrations
APPROVED

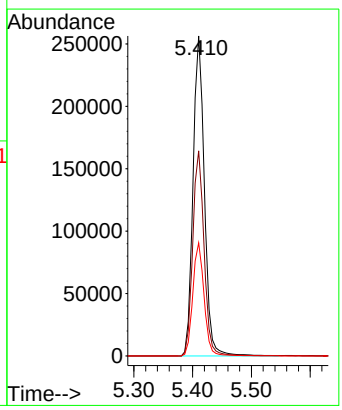
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

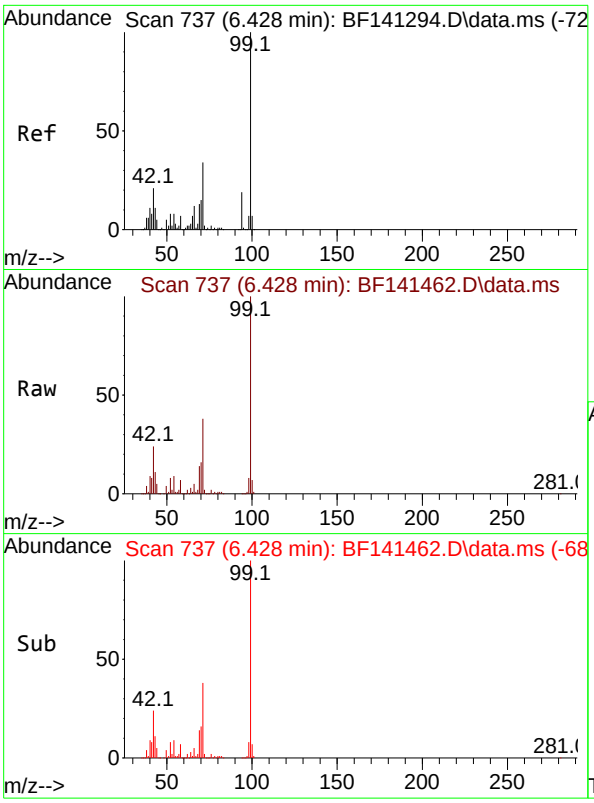


#5
2-Fluorophenol
Concen: 75.415 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:112 Resp: 345337

Ion	Ratio	Lower	Upper
112	100		
64	64.1	49.8	74.8
63	35.3	26.1	39.1

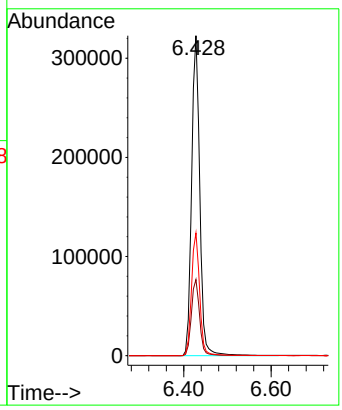




#7
Phenol-d6
Concen: 72.025 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion: 99 Resp: 41956

Ion	Ratio	Lower	Upper
99	100		
42	23.8	17.1	25.7
71	38.4	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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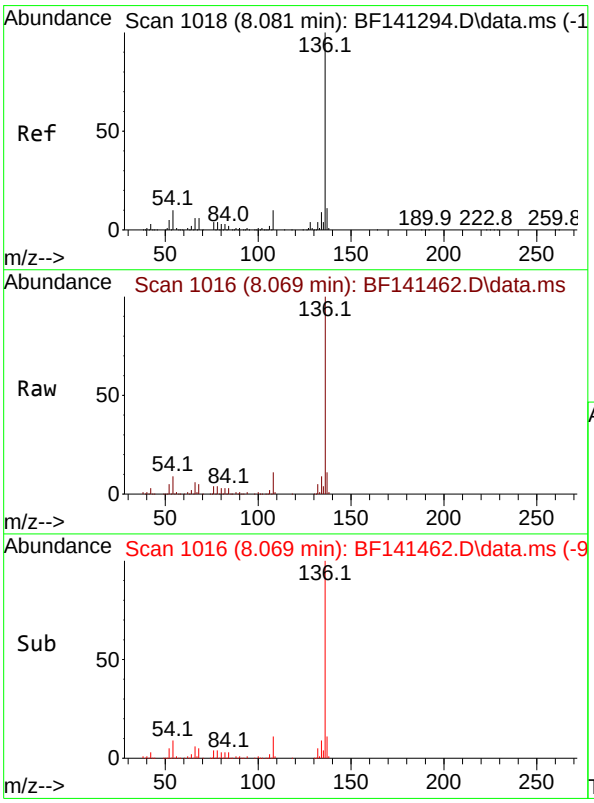
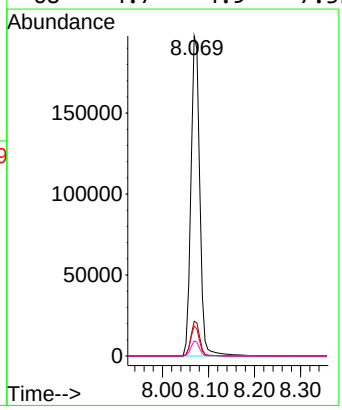
Supervised By :mohammad ahmed 02/06/2025

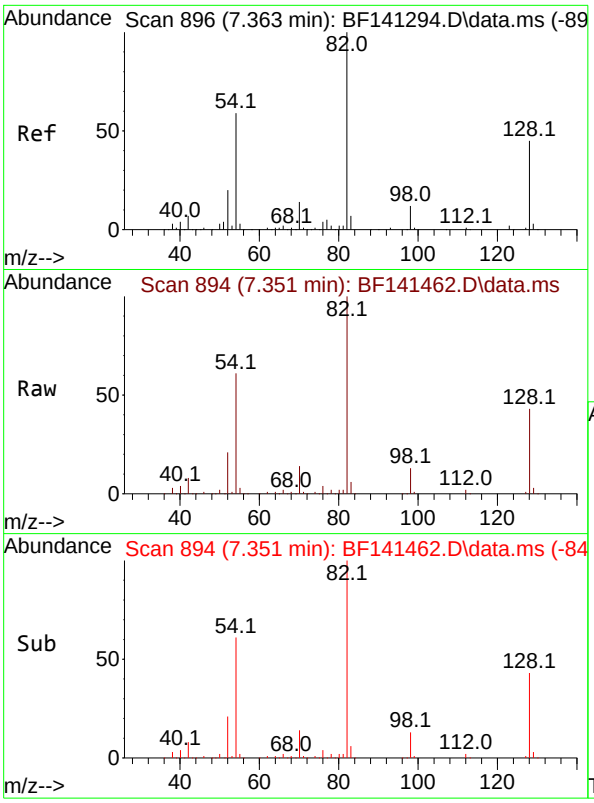


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:136 Resp: 262308

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.3	7.8	11.8
68	4.7	4.9	7.3#

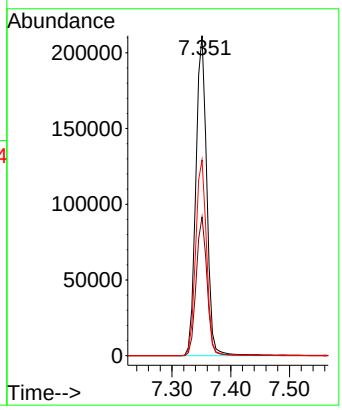




#23
Nitrobenzene-d5
Concen: 54.877 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion: 82 Resp: 27305

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	61.2	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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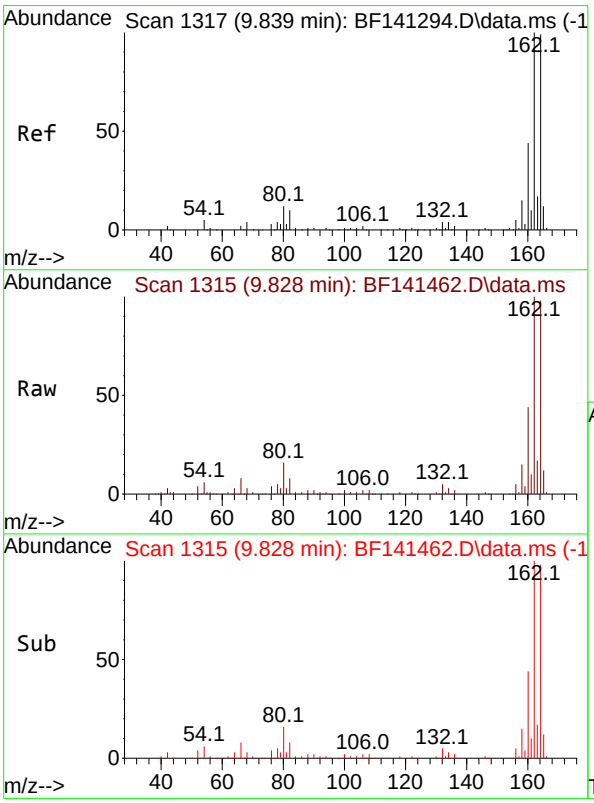
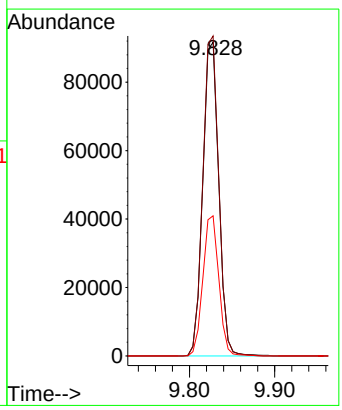
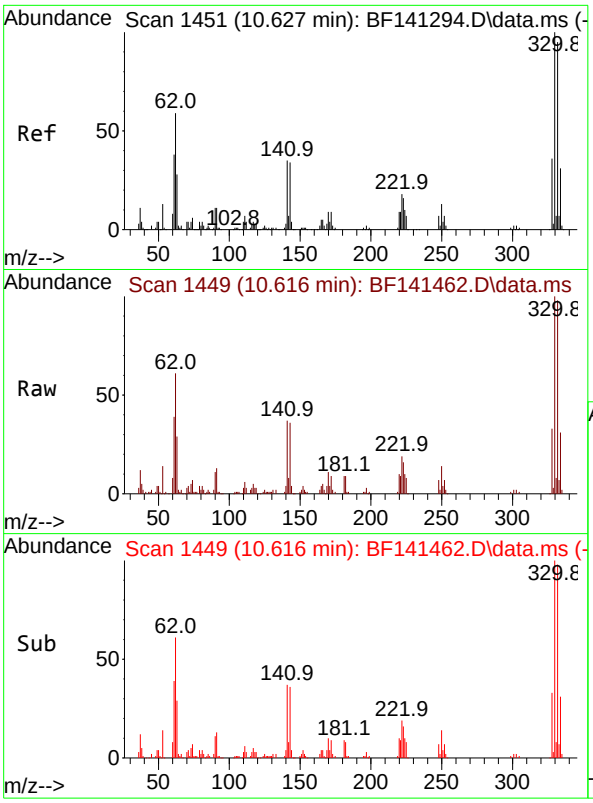


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:164 Resp: 119422

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	121.0
160	44.7	35.8	53.6

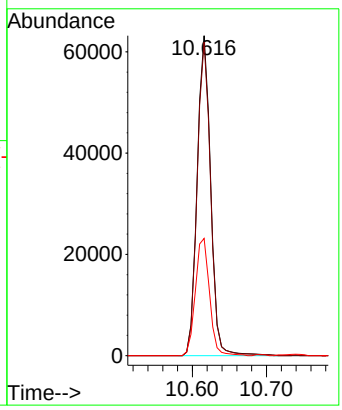




#42
2,4,6-Tribromophenol
Concen: 73.203 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:330 Resp: 8014

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.1	114.1
141	38.4	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
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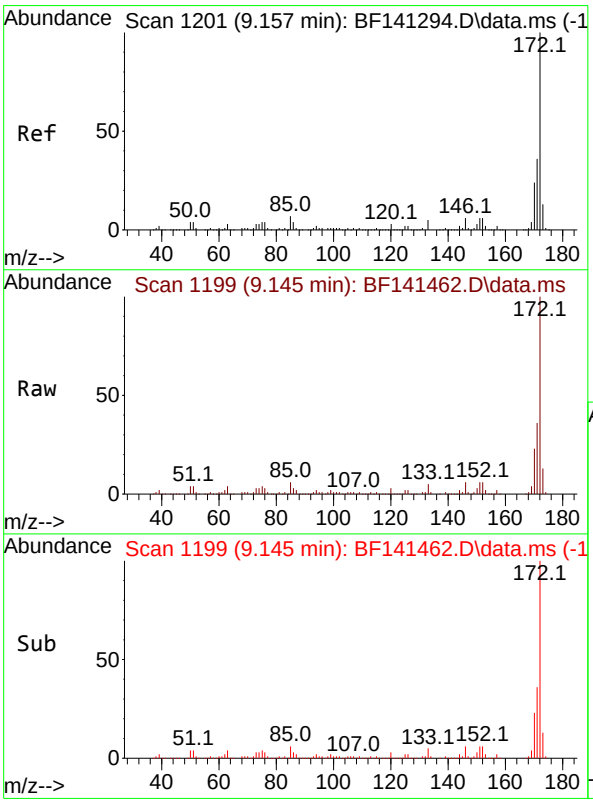
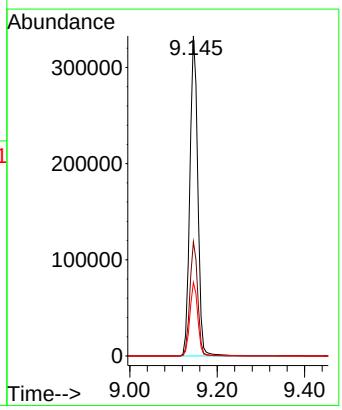
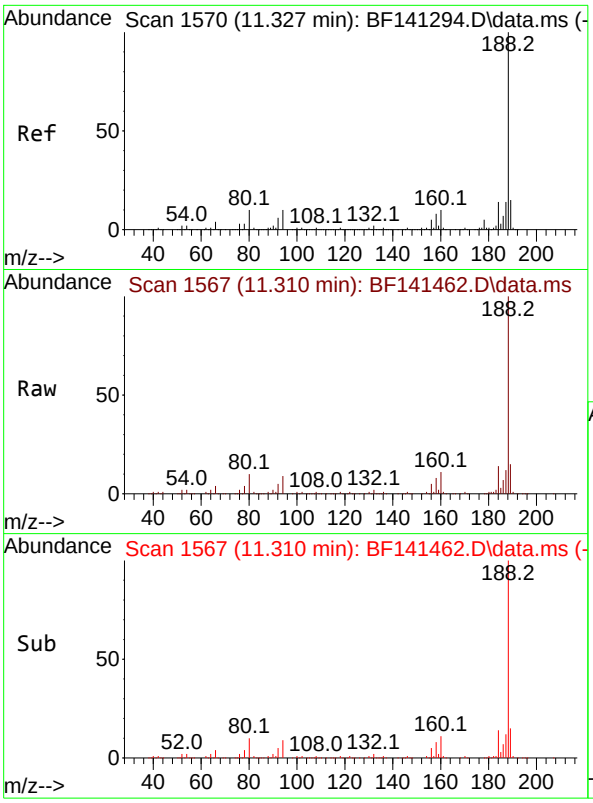


#45
2-Fluorobiphenyl
Concen: 53.976 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:172 Resp: 418789

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	22.9	19.0	28.6

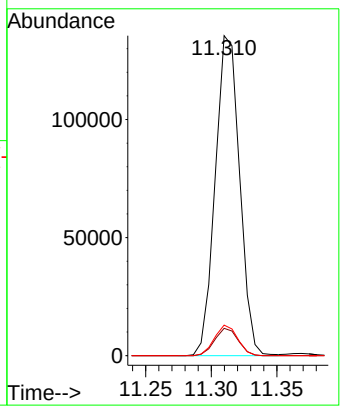




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:188 Resp: 17505

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	9.5	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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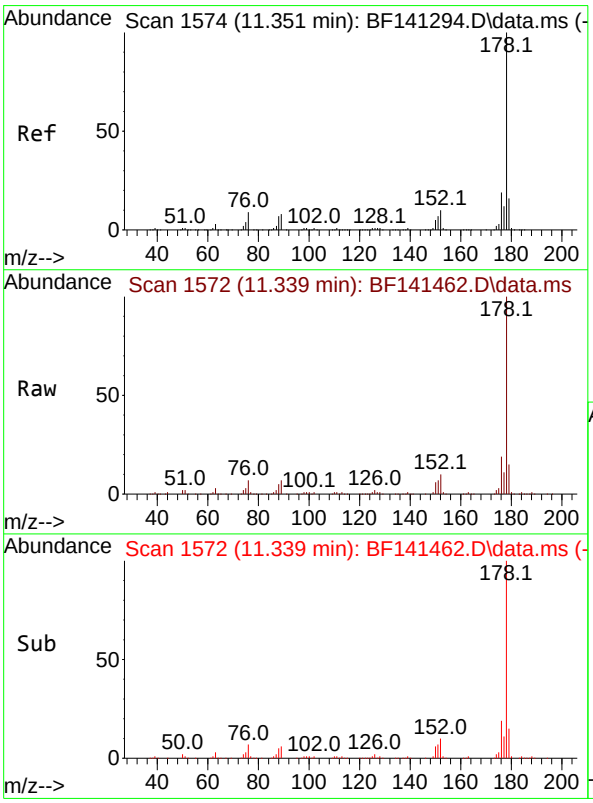
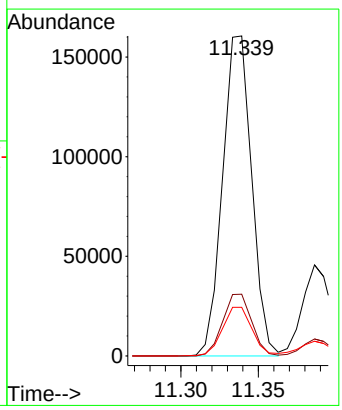
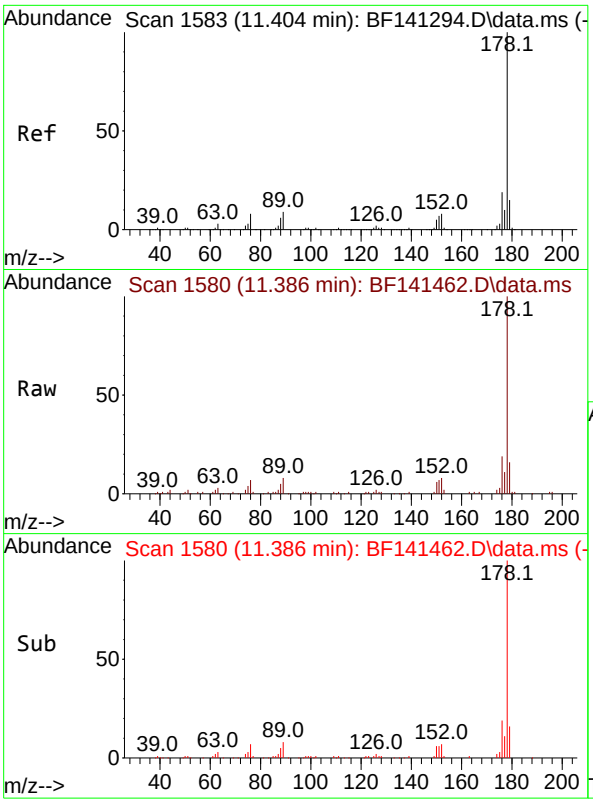


#71
Phenanthrene
Concen: 22.316 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:178 Resp: 209995

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.5	18.7

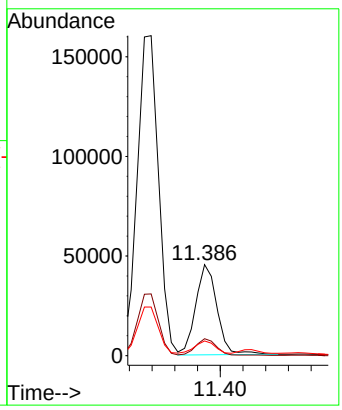




#72
Anthracene
Concen: 6.418 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:178 Resp: 5917

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	16.2	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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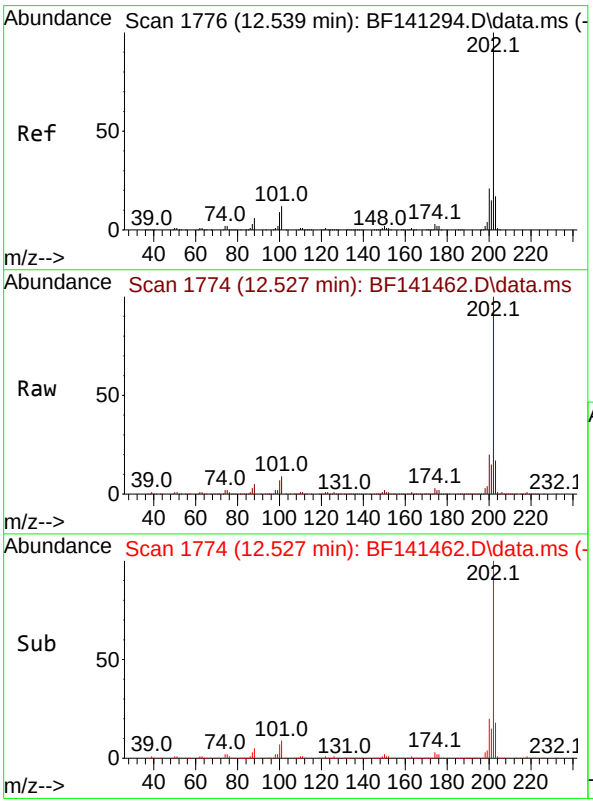
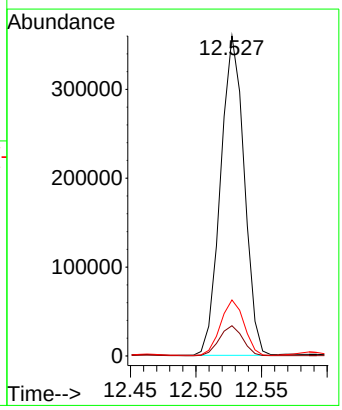
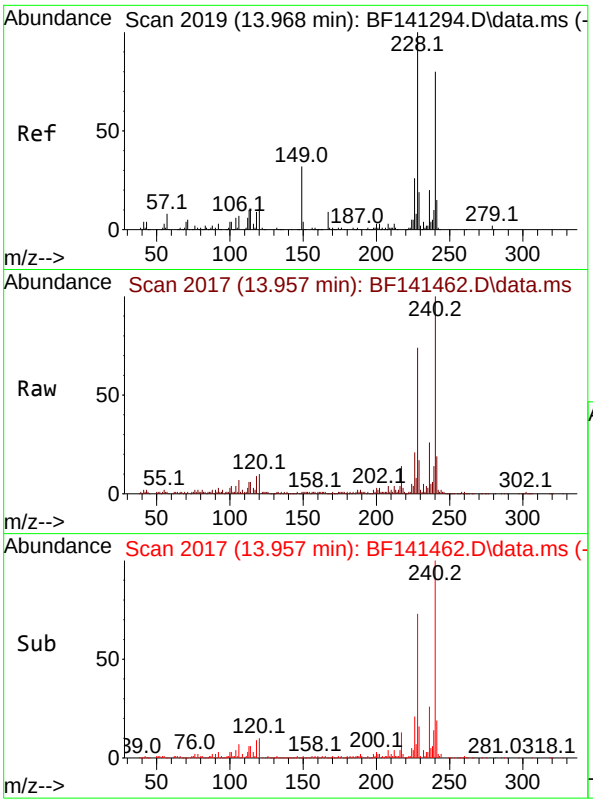


#75
Fluoranthene
Concen: 48.482 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:202 Resp: 450453

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.7
203	17.5	0.0	37.5

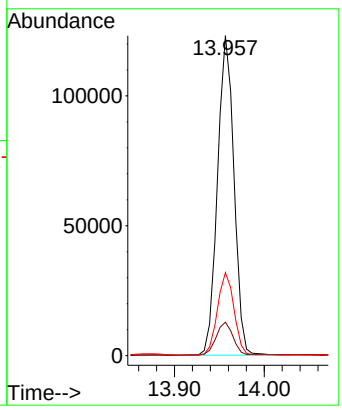




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:240 Resp: 15703

Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.0	15.0
236	25.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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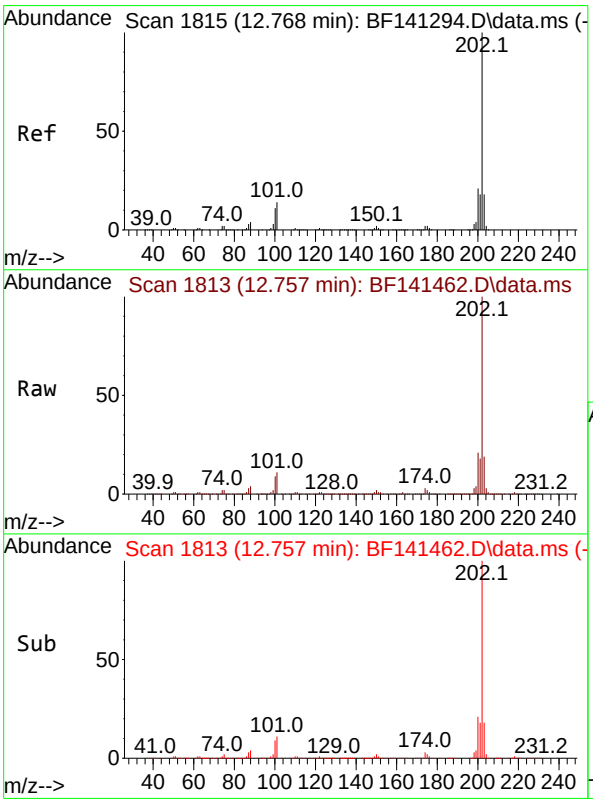
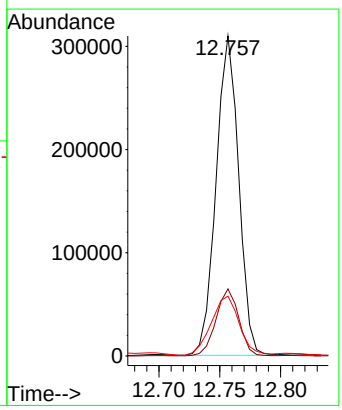
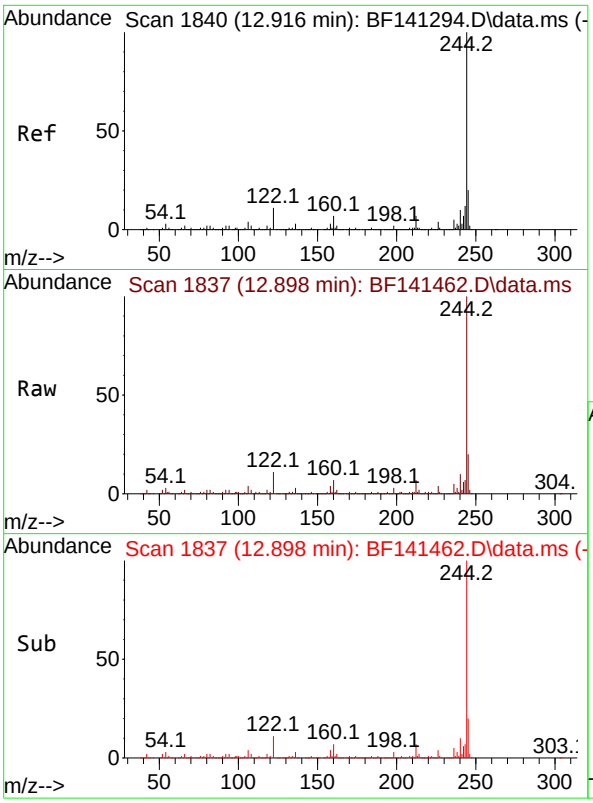


#78
Pyrene
Concen: 26.542 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:202 Resp: 400090

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.7	14.3	21.5

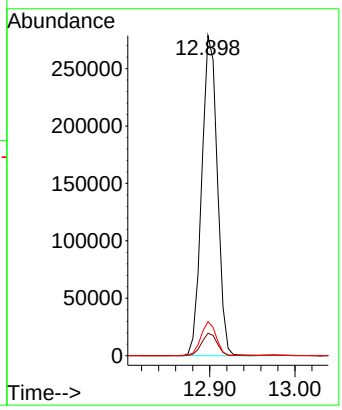




#79
Terphenyl-d14
Concen: 34.752 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:244 Resp: 35386

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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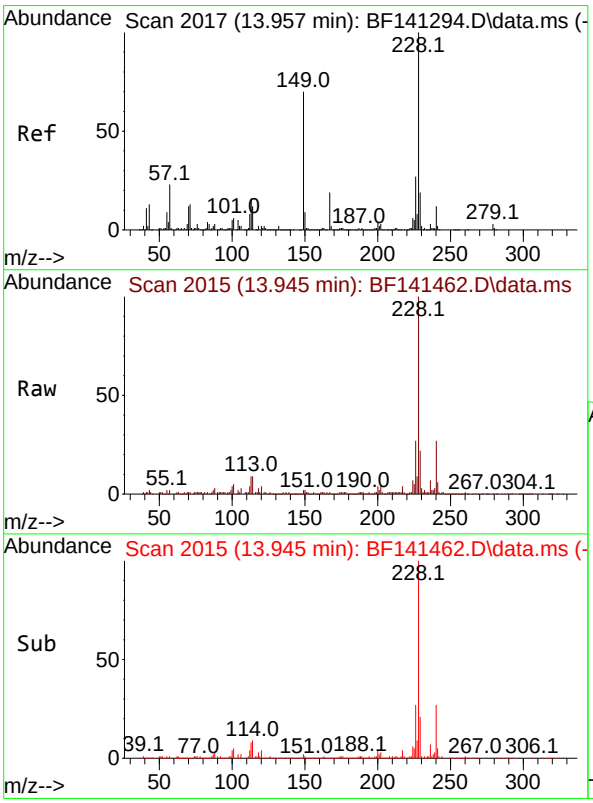
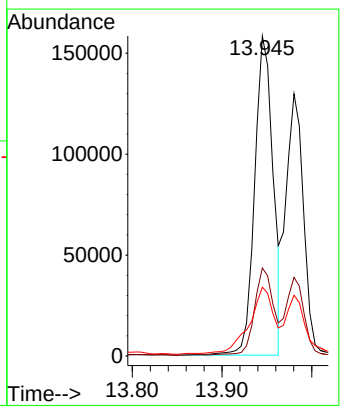
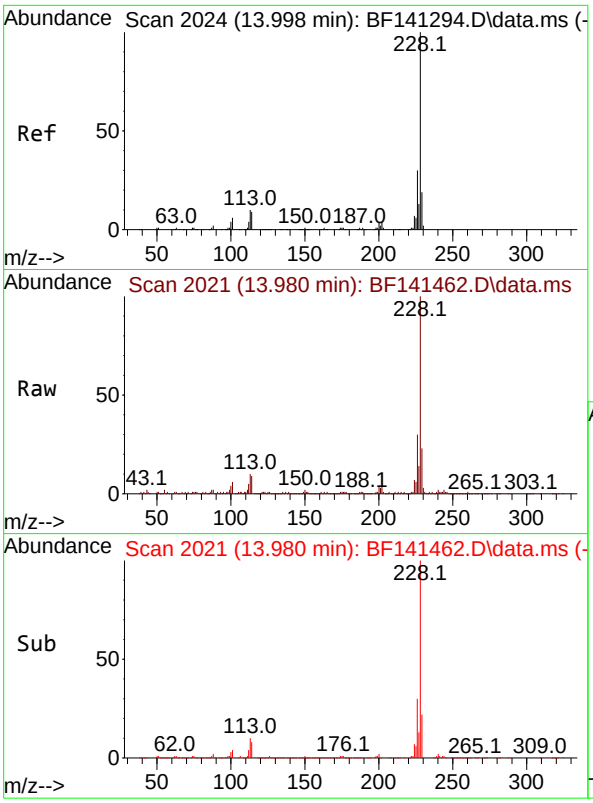


#81
Benzo(a)anthracene
Concen: 20.871 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:228 Resp: 226161

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.2
229	21.5	15.5	23.3

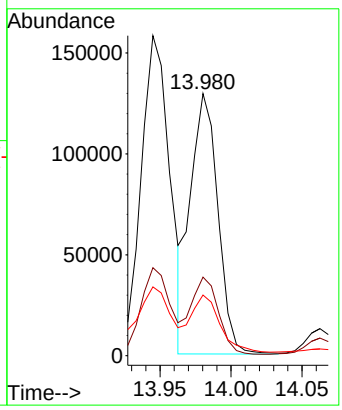




#83
Chrysene
Concen: 17.511 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:228 Resp: 17390

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	23.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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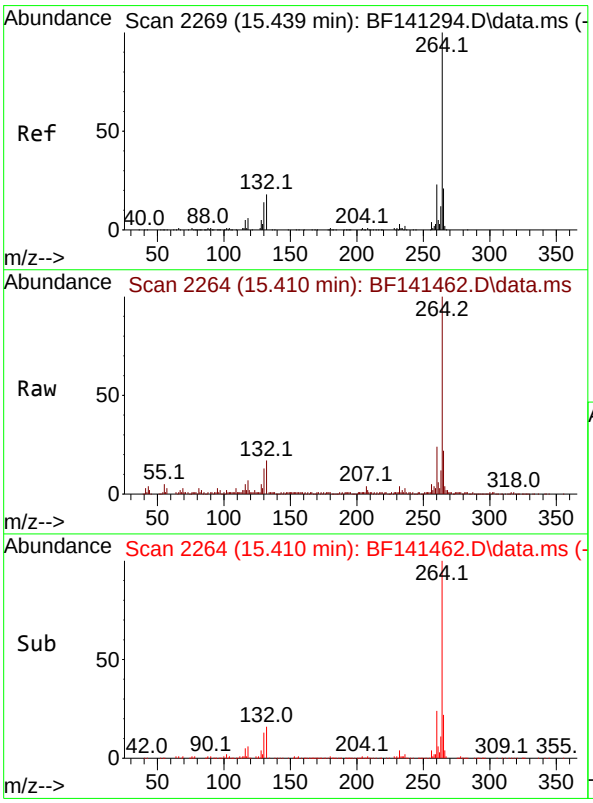
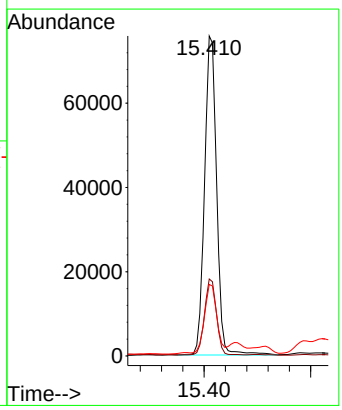
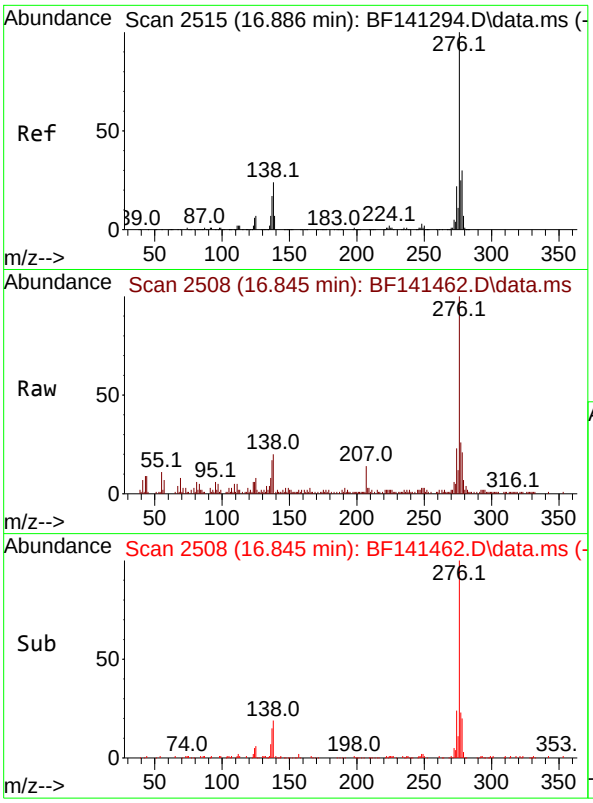


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:264 Resp: 119629

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	27.8
265	22.3	16.7	25.1

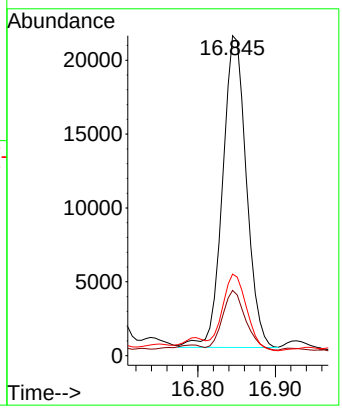




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.844 ng
RT: 16.845 min Scan# 2
Delta R.T. -0.053 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:276 Resp: 4512

Ion	Ratio	Lower	Upper
276	100		
138	19.1	21.7	32.5
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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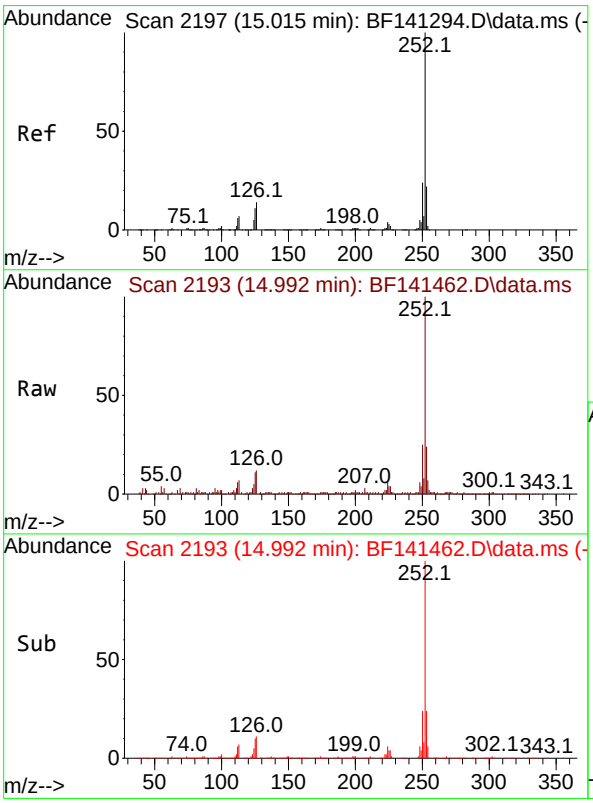
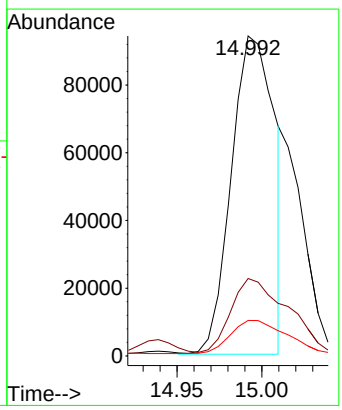
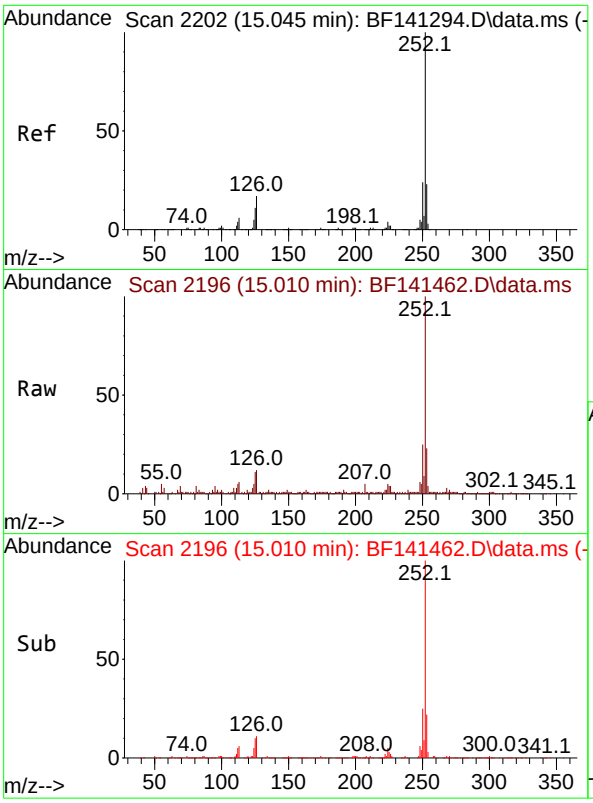


#88
Benzo(b)fluoranthene
Concen: 22.184 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.030 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:252 Resp: 166931

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	11.1	8.6	12.8

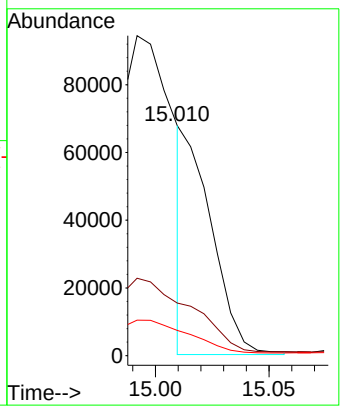




#89
Benzo(k)fluoranthene
Concen: 8.448 ng m
RT: 15.010 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:252 Resp: 5631

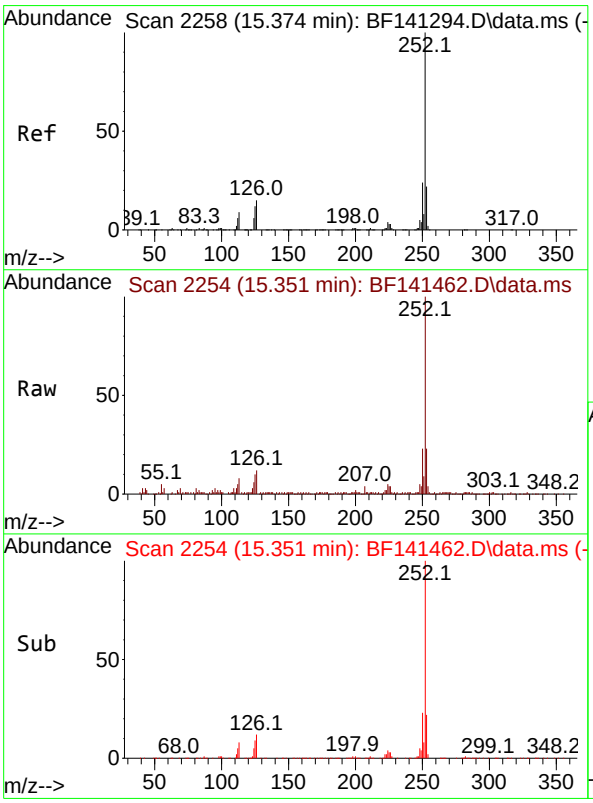
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Manual Integrations
APPROVED

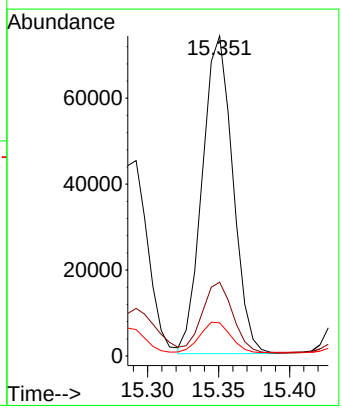
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

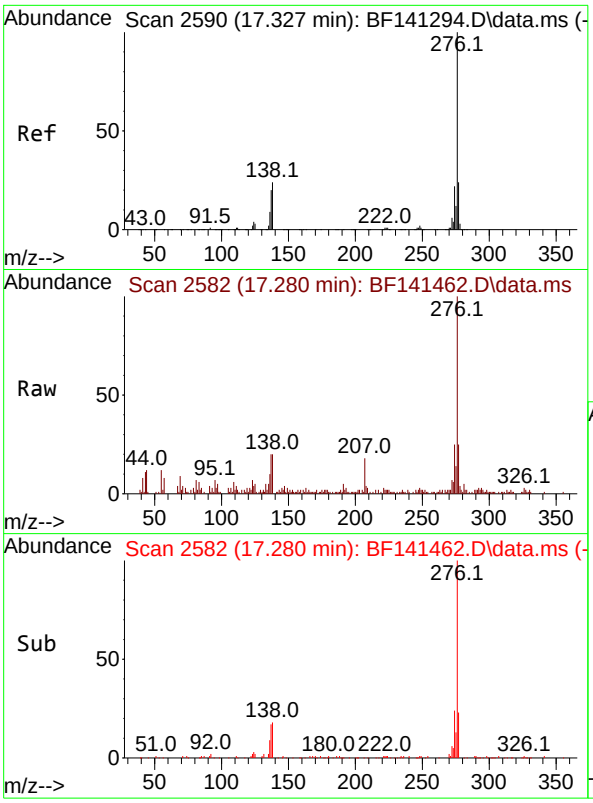


#90
Benzo(a)pyrene
Concen: 17.397 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.030 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:252 Resp: 110626

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	10.4	9.4	14.2

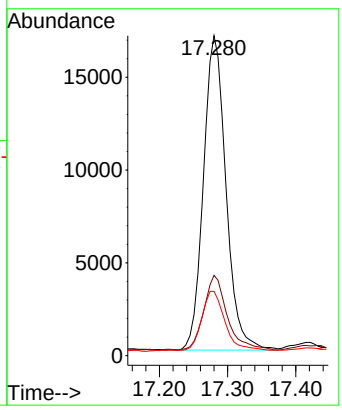




#92
Benzo(g,h,i)perylene
Concen: 6.039 ng
RT: 17.280 min Scan# 2
Delta R.T. -0.065 min
Lab File: BF141462.D
Acq: 05 Feb 2025 21:57

Tgt Ion:276 Resp: 3900

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	20.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141462.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.987	488	492	502	rVB	17761	28530	2.18%	0.165%
2	5.410	559	564	585	rBV	973843	1305837	99.56%	7.563%
3	6.428	731	737	750	rBV	997215	1311609	100.00%	7.596%
4	6.787	793	798	806	rBV	344118	439327	33.50%	2.544%
5	7.351	888	894	904	rBV	655604	840254	64.06%	4.866%
6	7.610	933	938	950	rBV	29704	43338	3.30%	0.251%
7	8.069	1011	1016	1031	rBV	410237	546030	41.63%	3.162%
8	8.298	1048	1055	1061	rBV3	9431	14216	1.08%	0.082%
9	9.145	1194	1199	1209	rBV	986377	1220663	93.07%	7.069%
10	9.486	1251	1257	1259	rBV	9749	13855	1.06%	0.080%
11	9.828	1309	1315	1319	rBV	387844	516661	39.39%	2.992%
12	9.857	1319	1320	1325	rVB	21974	17183	1.31%	0.100%
13	10.028	1345	1349	1353	rBV	16234	21130	1.61%	0.122%
14	10.133	1362	1367	1371	rBV3	10165	19352	1.48%	0.112%
15	10.233	1378	1384	1386	rBV2	9525	14485	1.10%	0.084%
16	10.375	1403	1408	1413	rVB2	29872	40197	3.06%	0.233%
17	10.439	1413	1419	1421	rBV2	9571	17606	1.34%	0.102%
18	10.539	1430	1436	1441	rVB	203278	256301	19.54%	1.484%
19	10.616	1443	1449	1455	rBV	546617	709548	54.10%	4.109%
20	10.739	1465	1470	1477	rVB6	15014	23984	1.83%	0.139%
21	10.851	1485	1489	1494	rVB	13798	18640	1.42%	0.108%
22	10.922	1494	1501	1504	rBV3	21838	38828	2.96%	0.225%
23	11.004	1508	1515	1518	rVV5	9724	23239	1.77%	0.135%
24	11.051	1518	1523	1524	rVV4	21244	29281	2.23%	0.170%
25	11.069	1524	1526	1531	rVV	22858	37871	2.89%	0.219%
26	11.116	1531	1534	1538	rVV3	14471	21818	1.66%	0.126%
27	11.169	1538	1543	1547	rVV3	36543	68277	5.21%	0.395%
28	11.210	1547	1550	1556	rVB	21613	30781	2.35%	0.178%
29	11.316	1562	1568	1569	rBV	345567	448899	34.23%	2.600%
30	11.333	1569	1571	1576	rVV	393669	491733	37.49%	2.848%
31	11.386	1576	1580	1584	rVV	102610	133909	10.21%	0.776%
32	11.422	1584	1586	1590	rVB2	13626	16772	1.28%	0.097%
33	11.545	1603	1607	1609	rBV2	18738	26351	2.01%	0.153%
34	11.645	1621	1624	1631	rVB5	13318	22629	1.73%	0.131%
35	11.816	1648	1653	1655	rBV	77907	110810	8.45%	0.642%
36	11.845	1655	1658	1662	rVV	191232	248845	18.97%	1.441%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.886	1662	1665	1668	rVV	60309	84154	6.42%	0.487%
38	11.927	1668	1672	1680	rVB2	138052	263801	20.11%	1.528%
39	12.016	1680	1687	1690	rBV6	15767	33847	2.58%	0.196%
40	12.110	1697	1703	1711	rVV2	54881	107326	8.18%	0.622%
41	12.180	1711	1715	1720	rVB2	7752	13889	1.06%	0.080%
42	12.263	1725	1729	1731	rBV	24468	31371	2.39%	0.182%
43	12.292	1731	1734	1736	rBV	15955	18577	1.42%	0.108%
44	12.363	1742	1746	1750	rBV	56113	81059	6.18%	0.469%
45	12.404	1750	1753	1758	rVV2	35831	60616	4.62%	0.351%
46	12.451	1758	1761	1767	rVB3	54767	77973	5.94%	0.452%
47	12.527	1769	1774	1779	rBV	815844	1030022	78.53%	5.965%
48	12.574	1779	1782	1783	rBV2	13145	15252	1.16%	0.088%
49	12.757	1806	1813	1818	rBV2	690415	1063049	81.05%	6.157%
50	12.810	1818	1822	1827	rVB2	52581	84152	6.42%	0.487%
51	12.898	1829	1837	1844	rBV	763009	1082936	82.57%	6.272%
52	12.974	1844	1850	1857	rBV2	82514	166940	12.73%	0.967%
53	13.080	1858	1868	1873	rBV2	140074	283503	21.61%	1.642%
54	13.151	1876	1880	1883	rBV	85499	118007	9.00%	0.683%
55	13.186	1883	1886	1894	rVB3	100751	158451	12.08%	0.918%
56	13.280	1899	1902	1904	rVV	43175	53237	4.06%	0.308%
57	13.310	1904	1907	1915	rVB2	48493	82560	6.29%	0.478%
58	13.486	1930	1937	1938	rBV4	41892	78869	6.01%	0.457%
59	13.592	1952	1955	1960	rVB	55804	77474	5.91%	0.449%
60	13.704	1970	1974	1976	rBV2	57875	82116	6.26%	0.476%
61	13.733	1977	1979	1981	rVV	28392	30535	2.33%	0.177%
62	13.798	1988	1990	1994	rVB	62293	77959	5.94%	0.451%
63	13.951	2010	2016	2020	rBV2	612143	1131179	86.24%	6.551%
64	14.063	2032	2035	2039	rVB	38759	42453	3.24%	0.246%
65	14.345	2079	2083	2086	rBV	77028	94617	7.21%	0.548%
66	14.992	2188	2193	2203	rBV	247256	560364	42.72%	3.245%
67	15.292	2240	2244	2249	rVB	116000	183063	13.96%	1.060%
68	15.351	2249	2254	2259	rBV	176119	263330	20.08%	1.525%
69	15.410	2260	2264	2269	rBV	197346	333387	25.42%	1.931%
70	16.845	2504	2508	2518	rVB2	63698	139100	10.61%	0.806%
71	17.280	2578	2582	2591	rVB	42605	92936	7.09%	0.538%

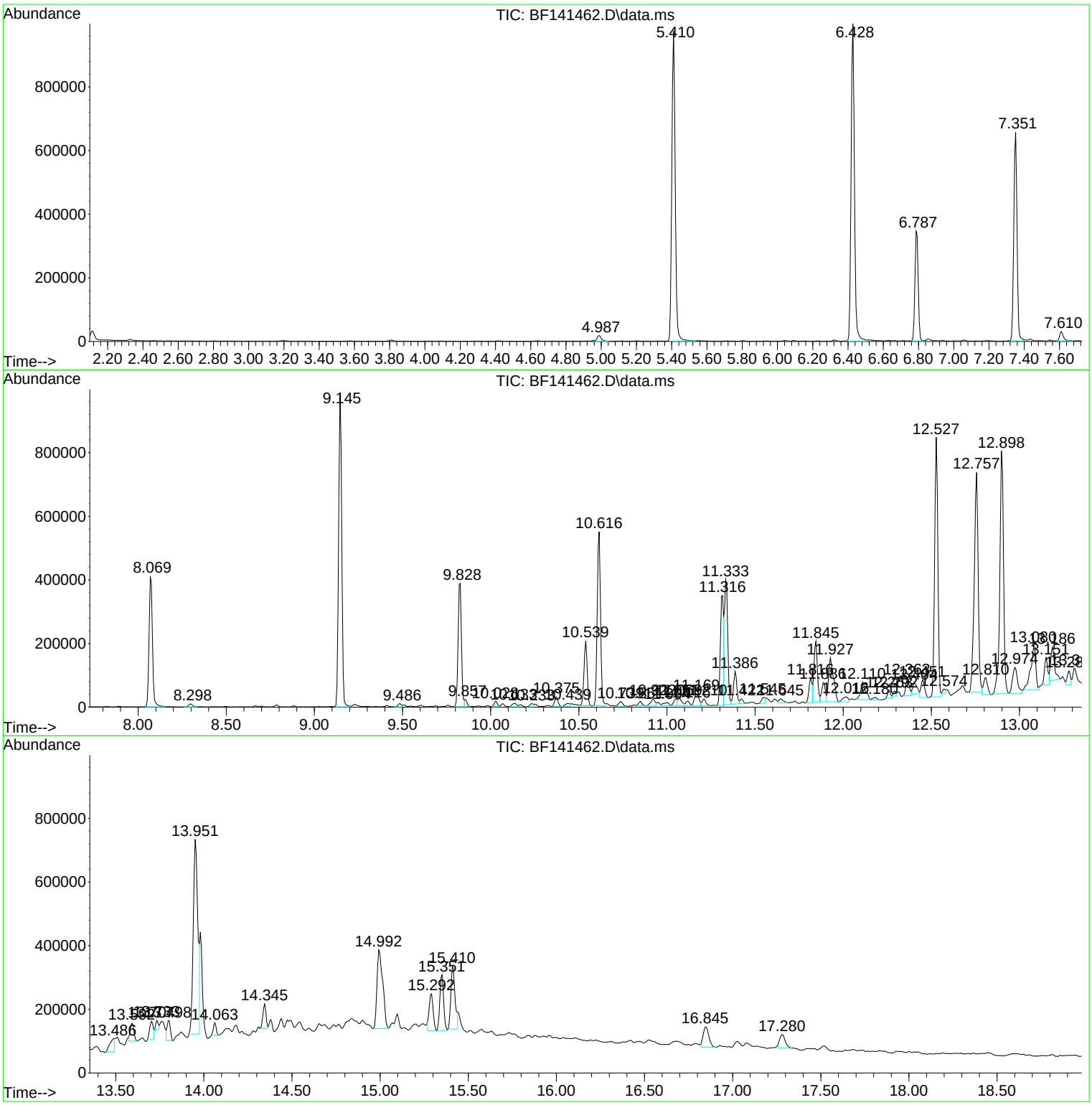
Sum of corrected areas: 17266893

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

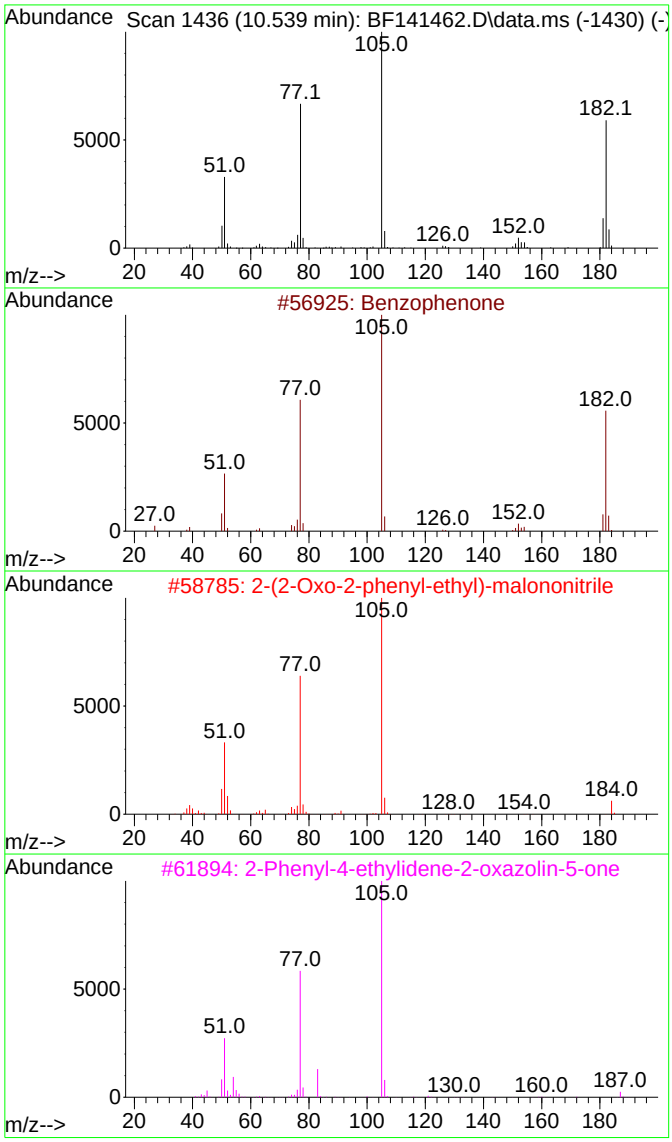
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

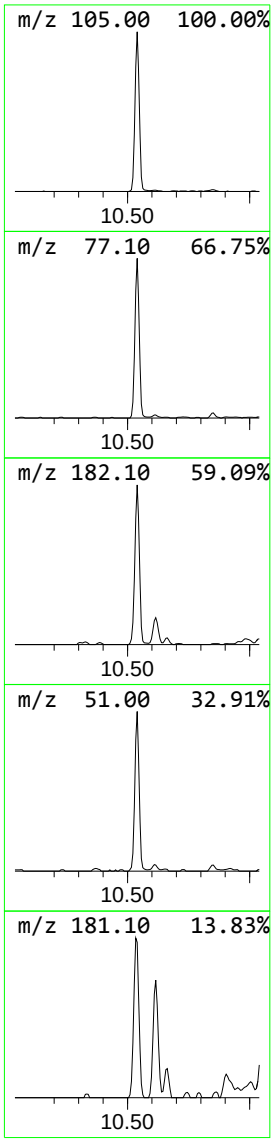
****

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	9.92 ng	256301	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
3	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	47
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

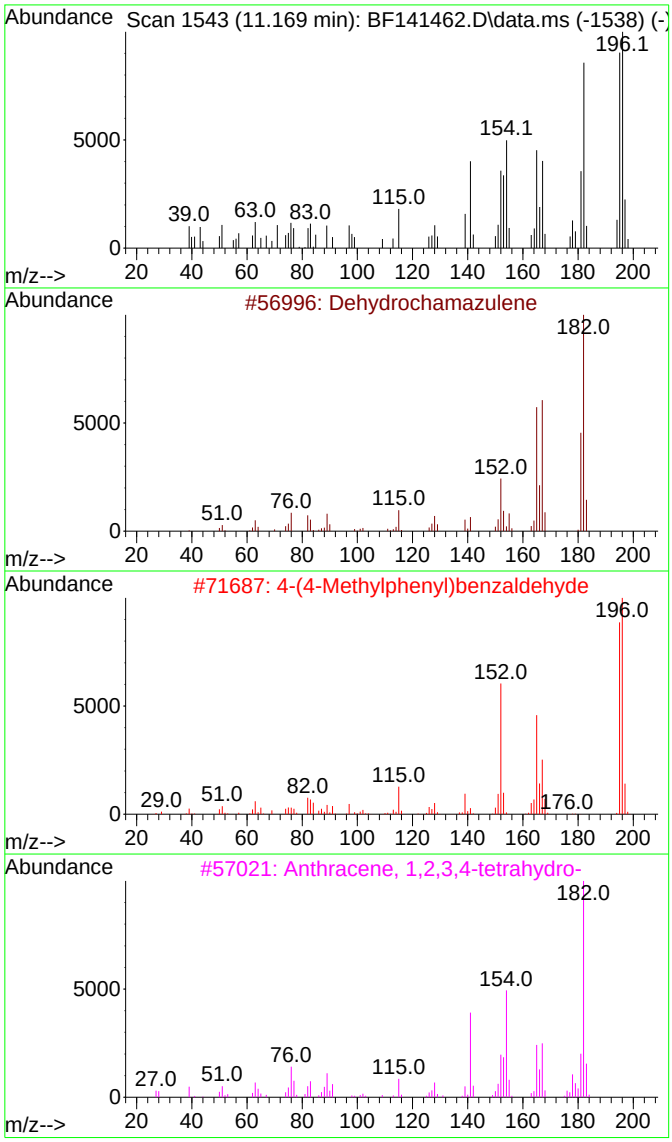
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

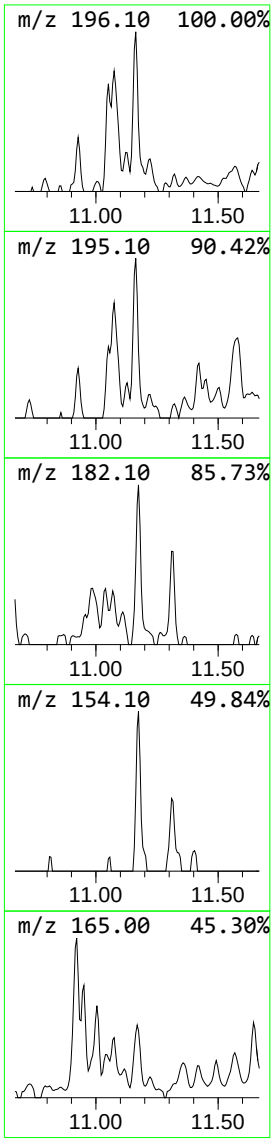
****

Peak Number 2 Dehydrochamazulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	3.04 ng	68277	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydrochamazulene	182	C14H14	321732-25-6	51
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	50
3	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	41
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	41
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

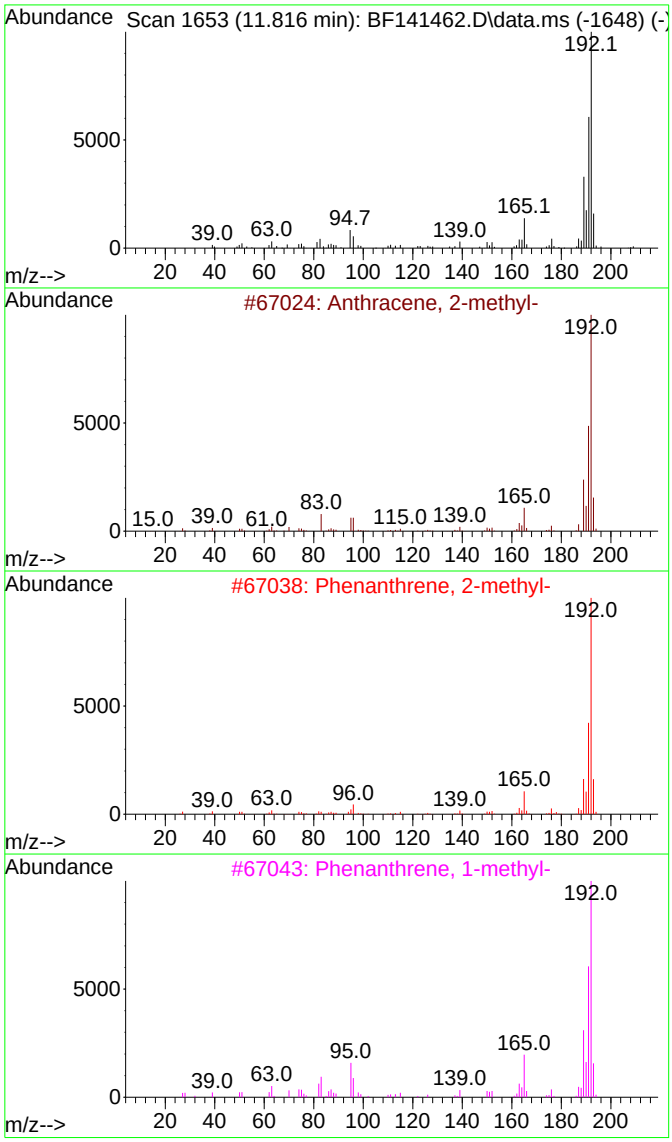
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

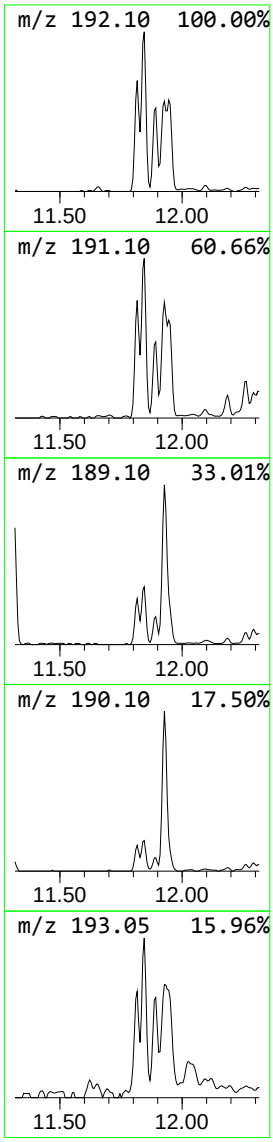
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	4.94 ng	110810	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

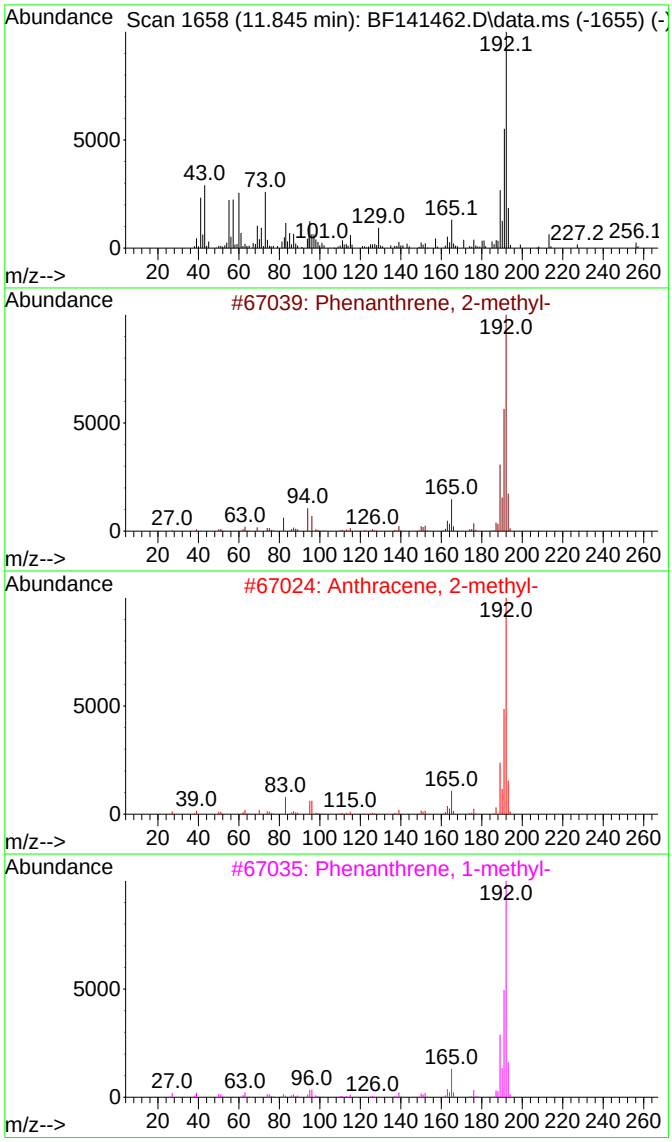
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

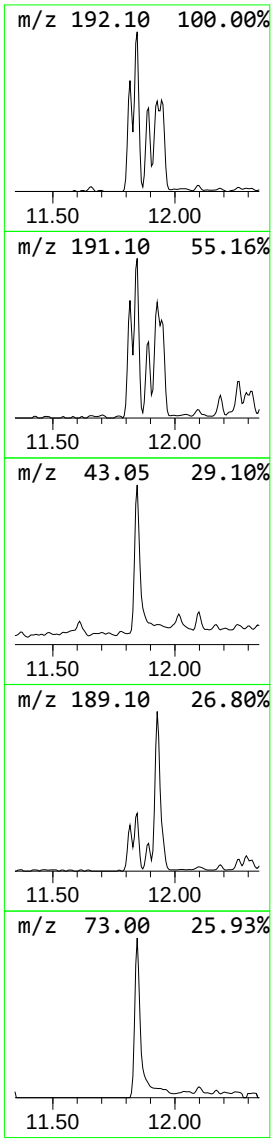
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	11.09 ng	248845	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141462.D
Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

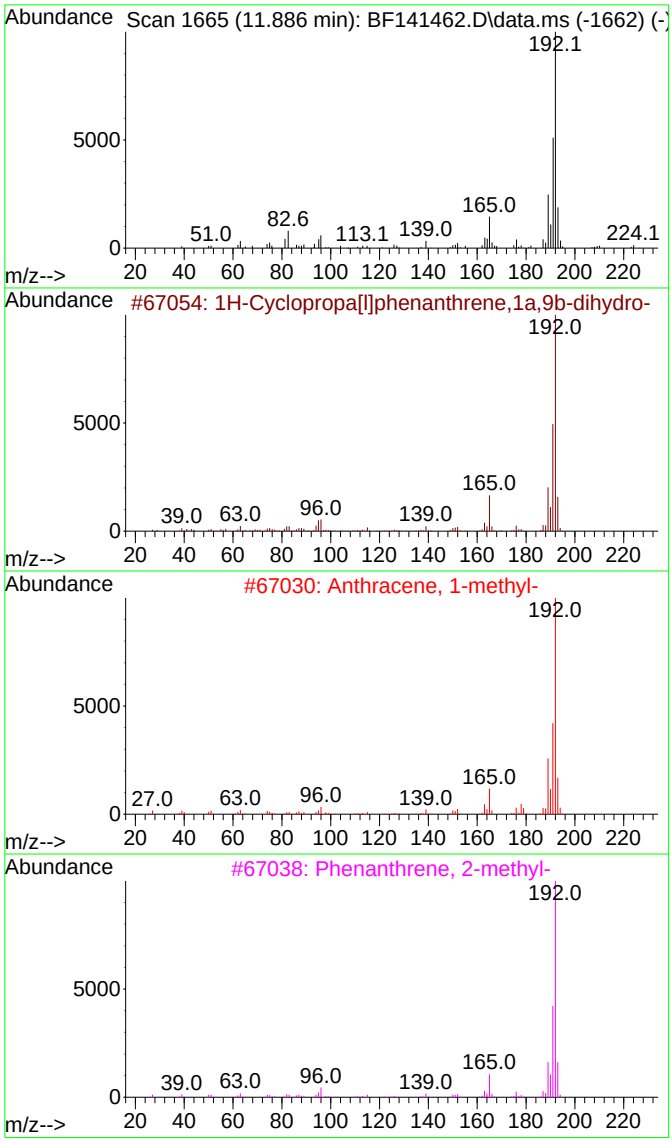
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

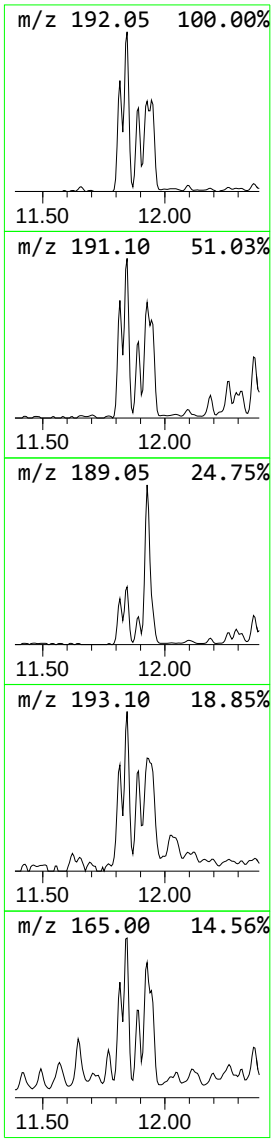
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	3.75 ng	84154	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Acq On : 05 Feb 2025 21:57
Operator : RC/JU
Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

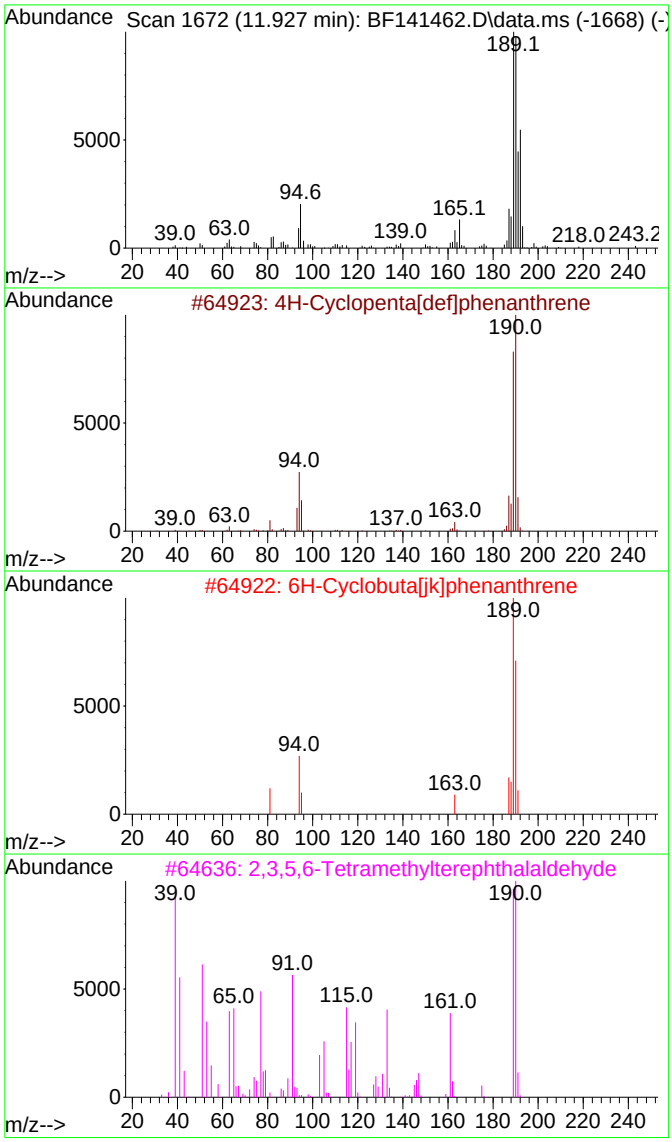
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

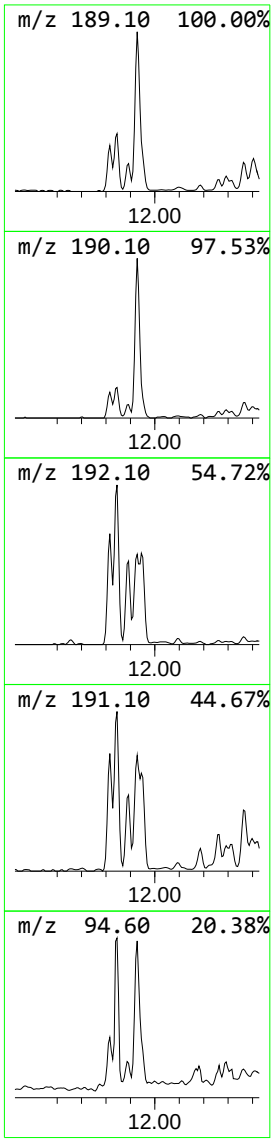
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	11.75 ng	263801	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

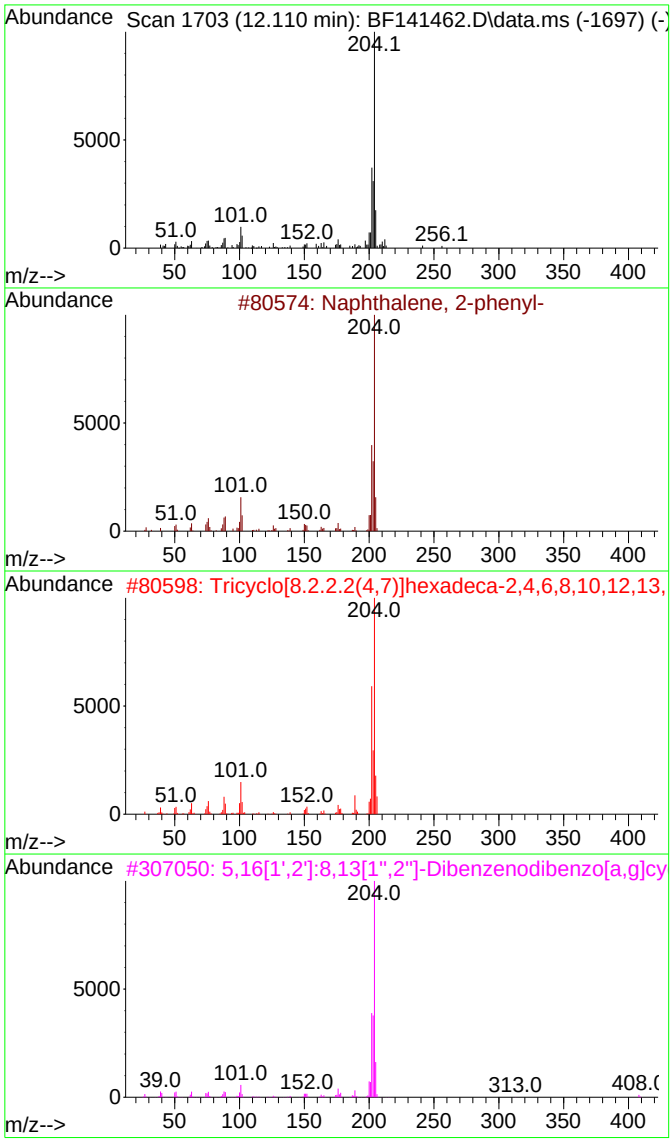
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

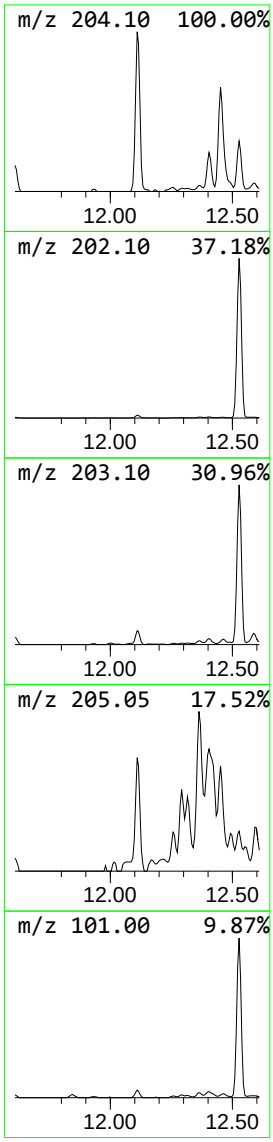
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	4.78 ng	107326	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78





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Sample : Q1207-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-2.1-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

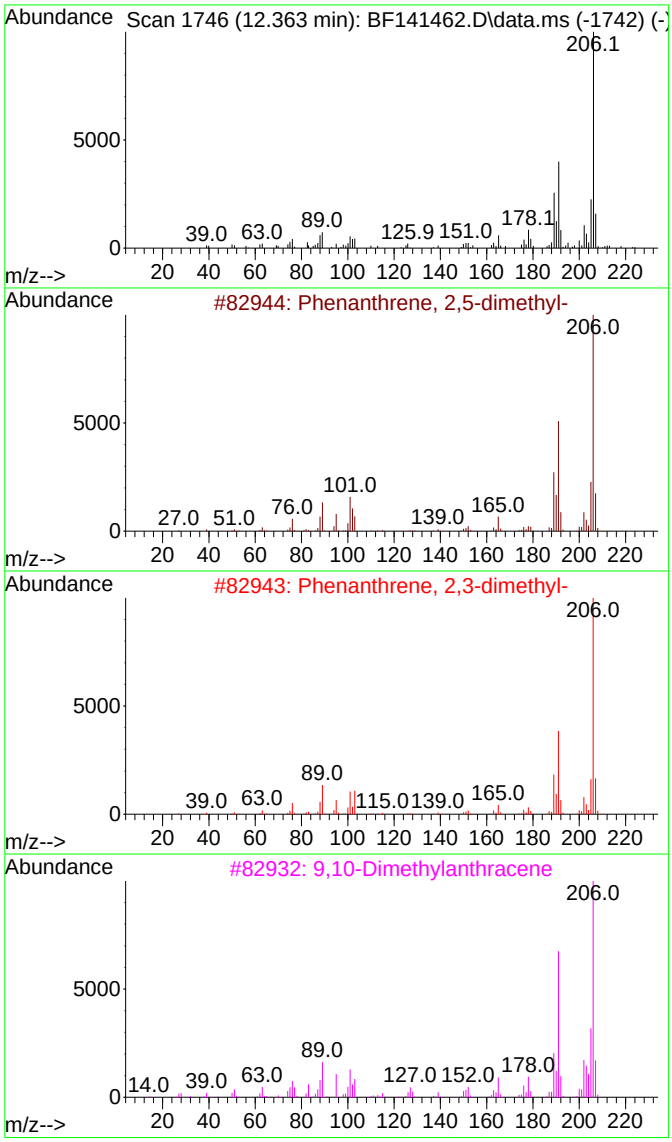
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

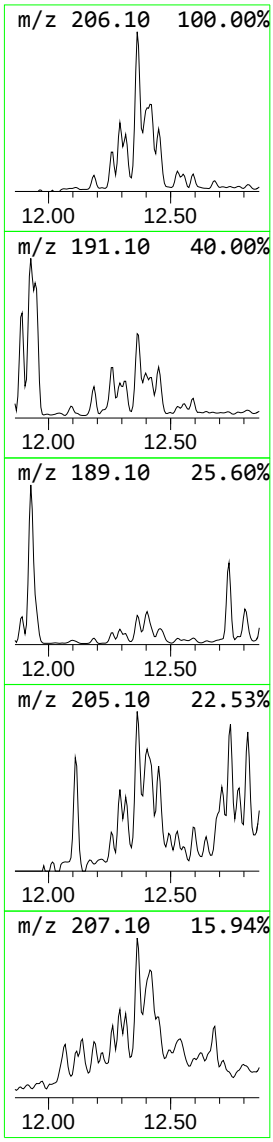
****

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	3.61 ng	81059	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Misc      :
ALS Vial  : 17   Sample Multiplier: 1

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Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_F
ClientSampleId :
JPP-2.1-012725

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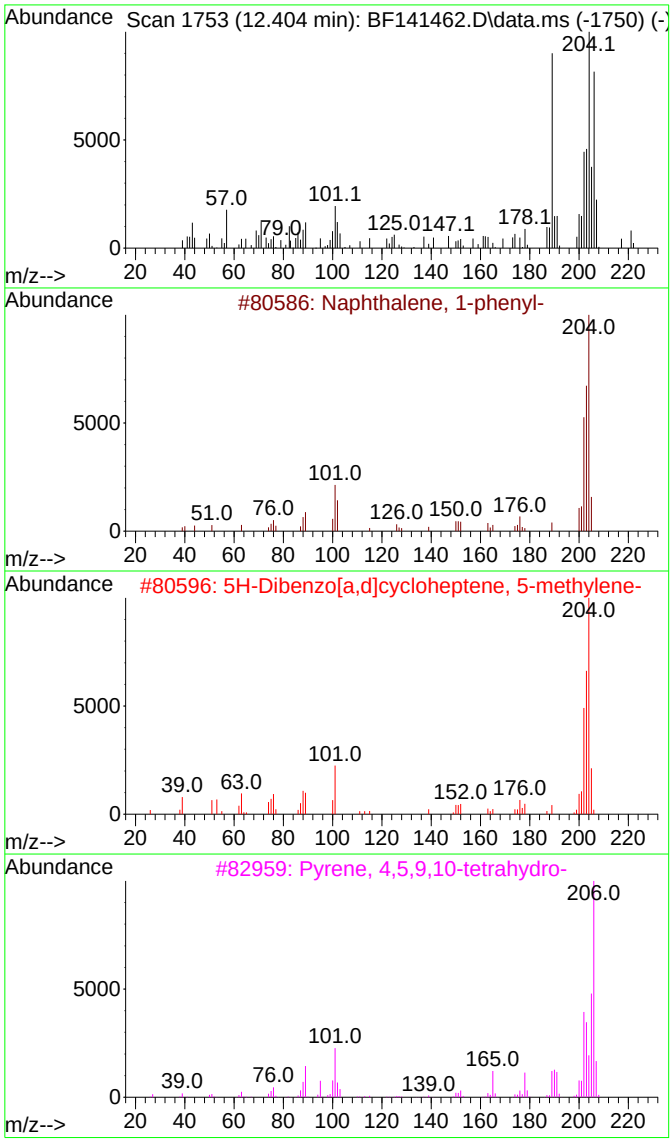
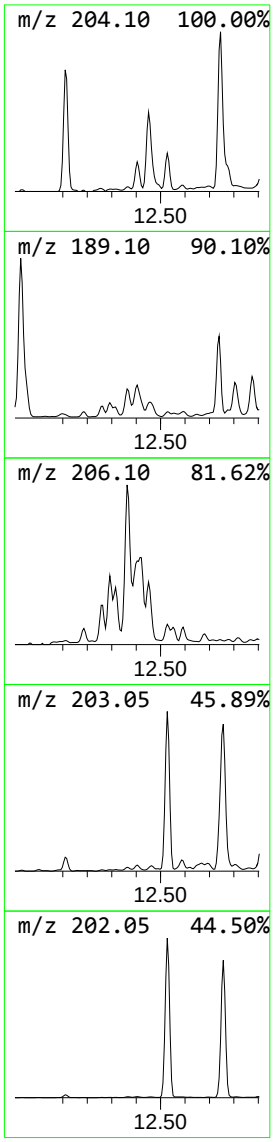
Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.70 ng	60616	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	56
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	48
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Misc :
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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

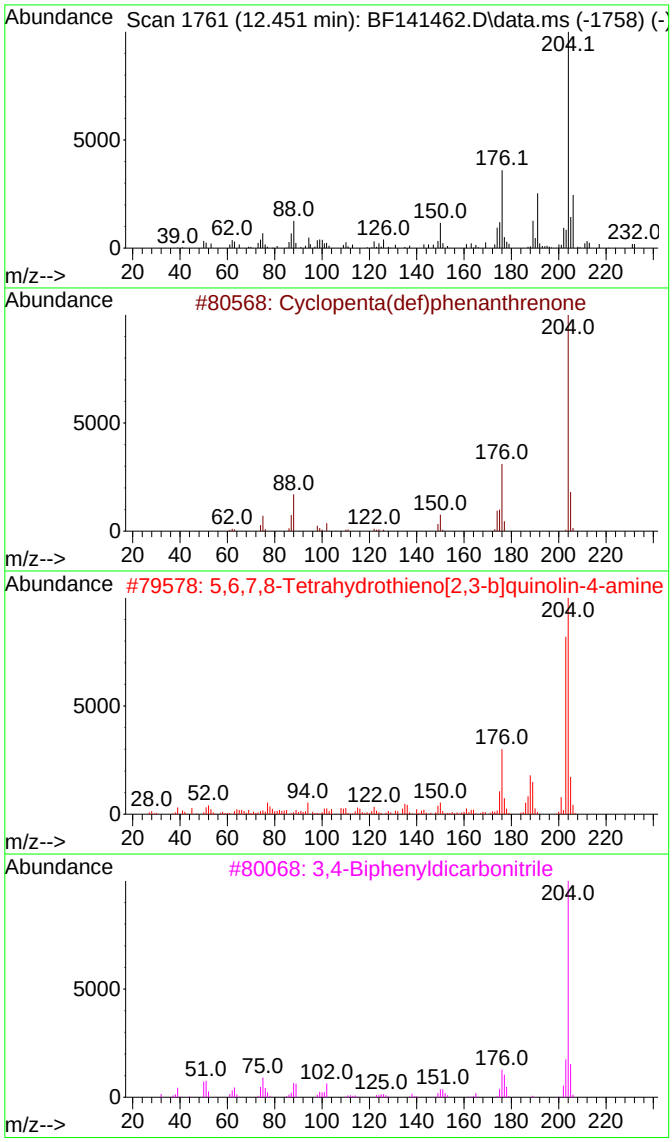
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

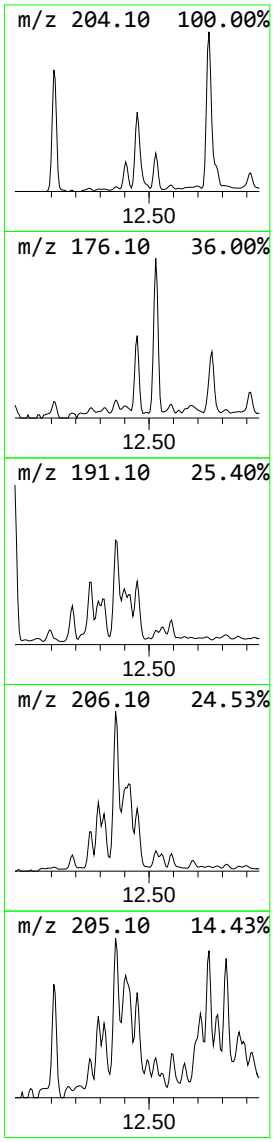
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	3.47 ng	77973	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
4	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

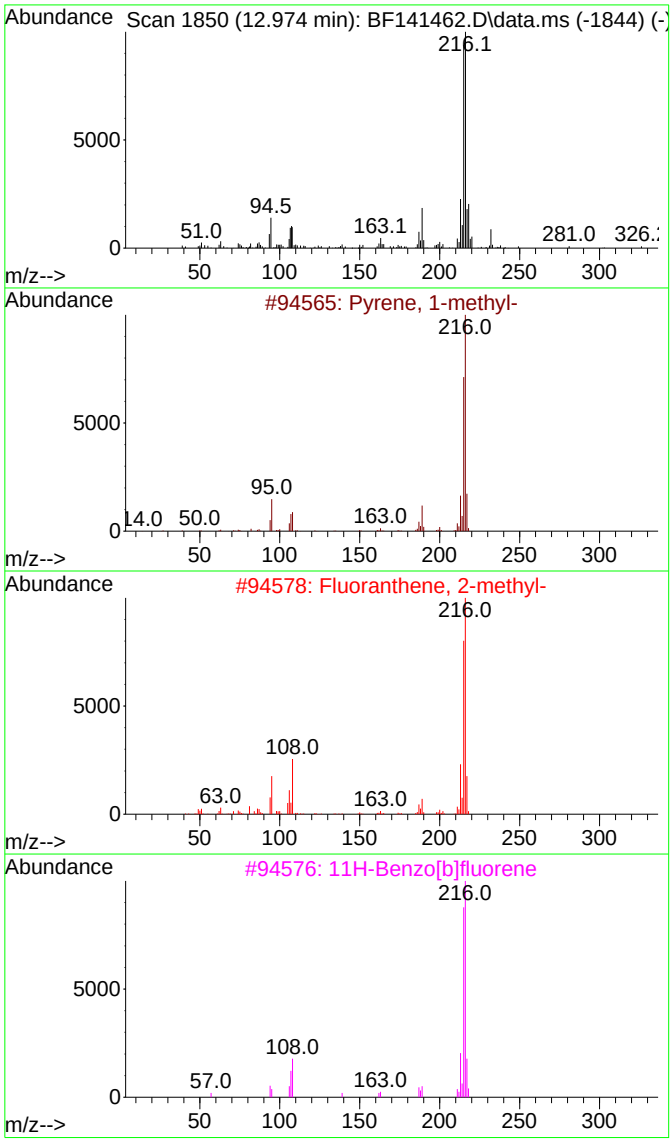
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

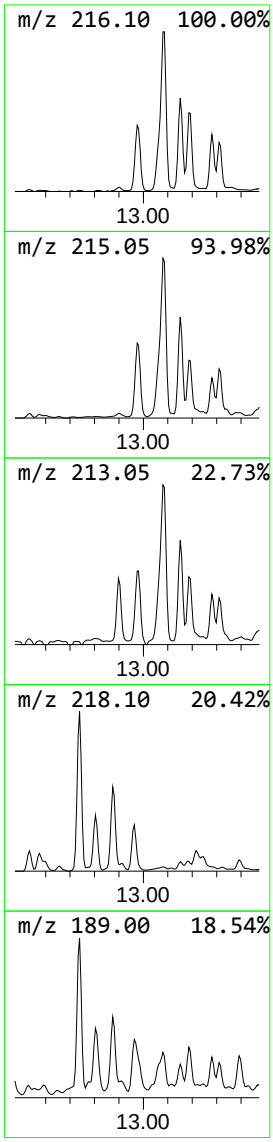
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.974	2.95 ng	166940	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

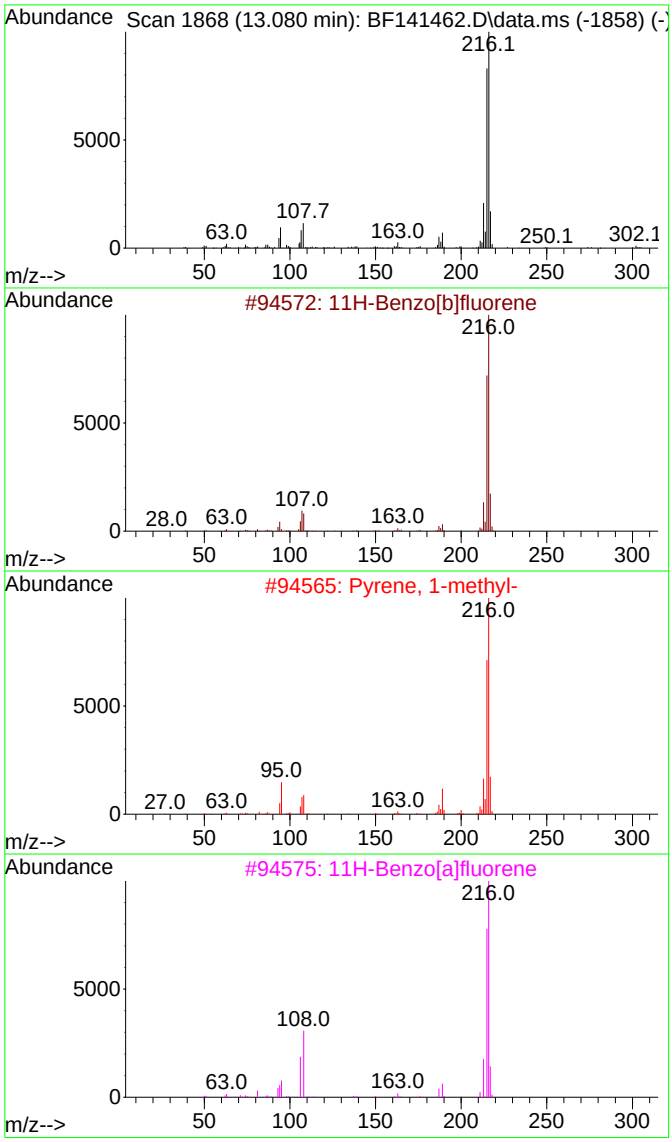
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

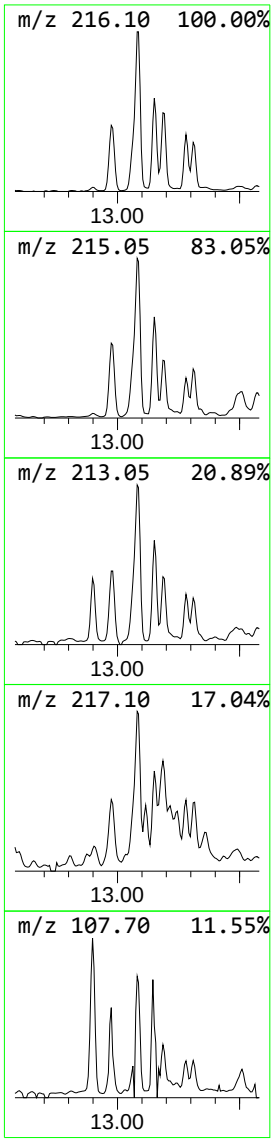
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	5.01 ng	283503	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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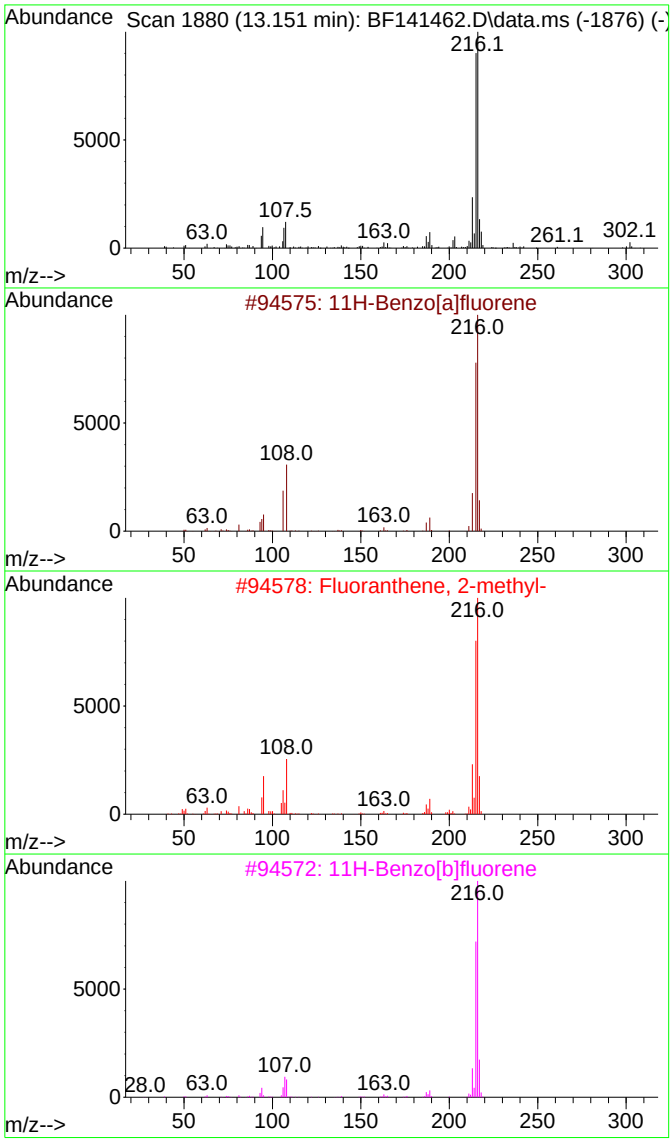
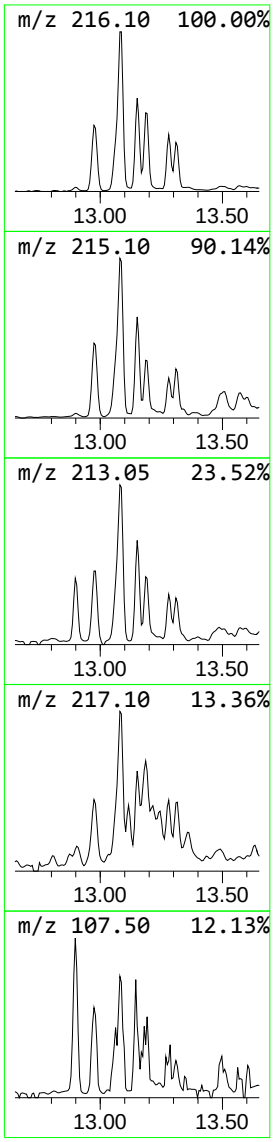
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	2.09 ng	118007	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
5	4-Trifluoromethylcinnamic acid	216	C10H7F3O2	002062-26-2	53





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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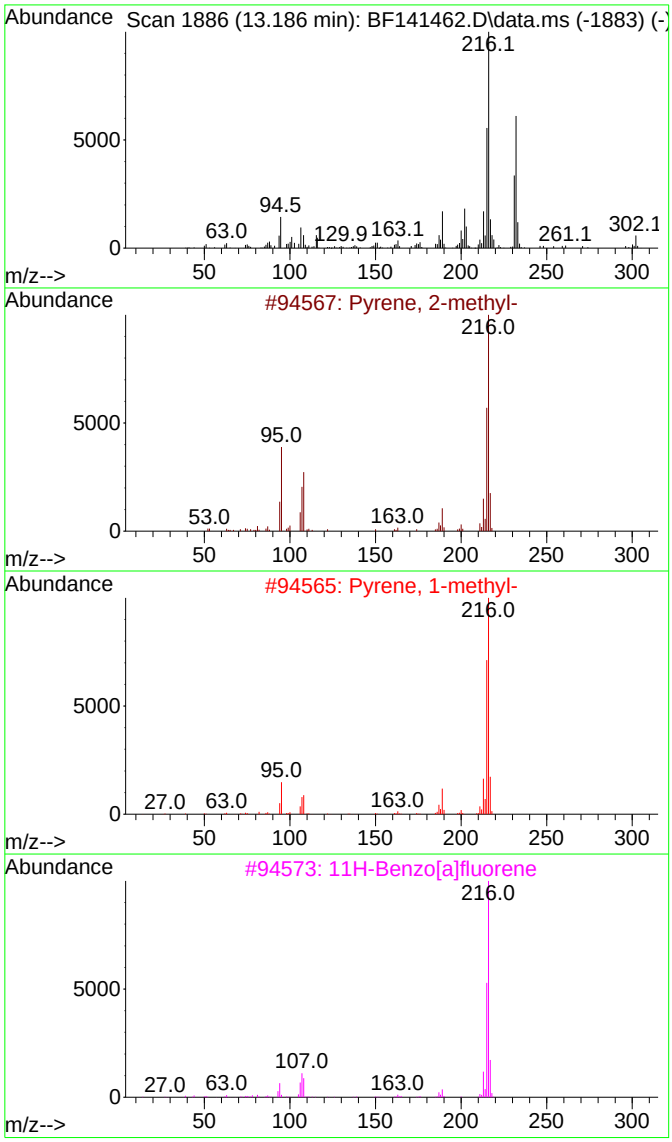
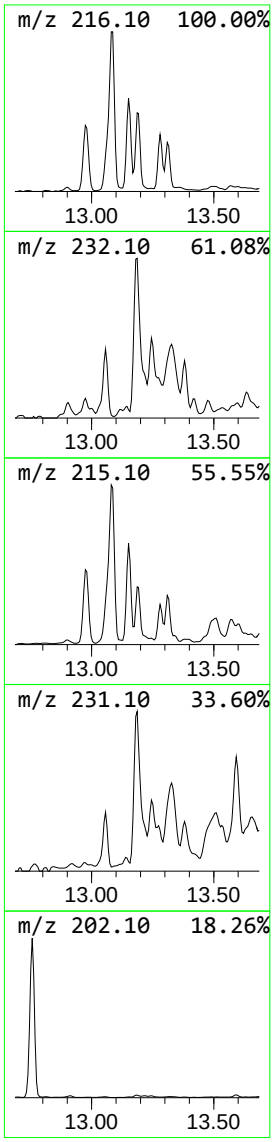
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	2.80 ng	158451	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	49
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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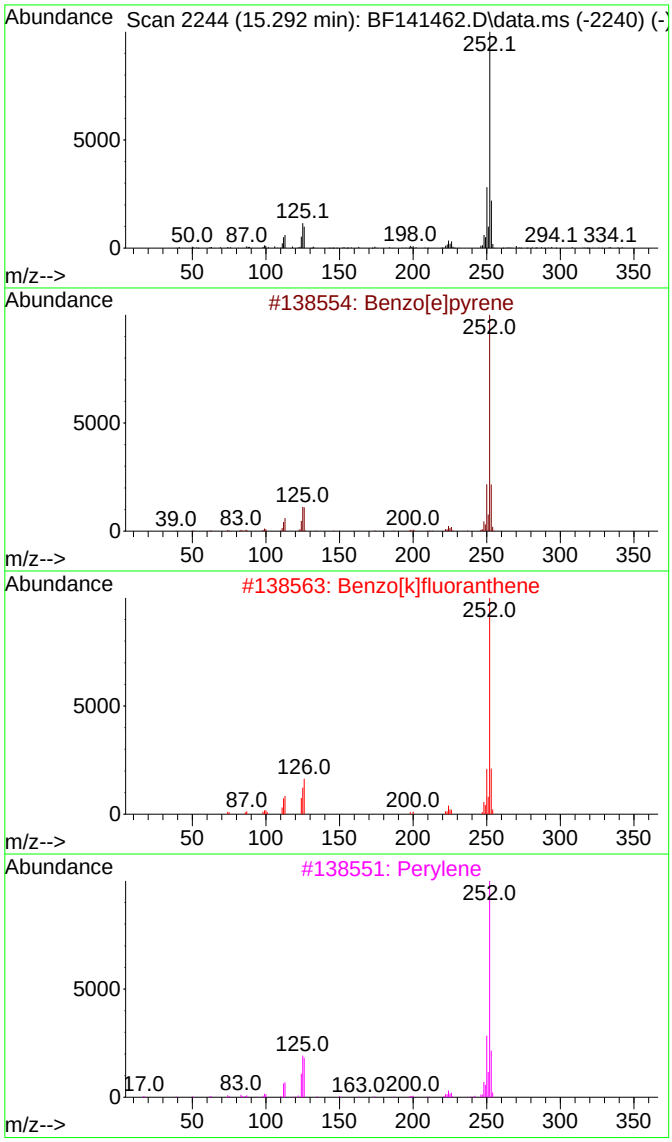
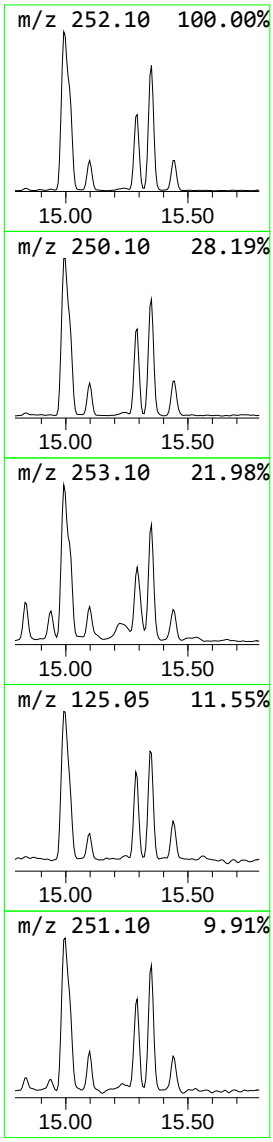
Peak Number 15 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.292	10.98 ng	183063	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
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Dehydrochamazulene	11.169	3.0	ng	68277	4	11.310	448899	20.0
Anthracene, 2-m...	11.816	4.9	ng	110810	4	11.310	448899	20.0
Phenanthrene, 2...	11.845	11.1	ng	248845	4	11.310	448899	20.0
1H-Cyclopropa[l...	11.886	3.8	ng	84154	4	11.310	448899	20.0
4H-Cyclopenta[d...	11.927	11.8	ng	263801	4	11.310	448899	20.0
Naphthalene, 2-...	12.110	4.8	ng	107326	4	11.310	448899	20.0
Phenanthrene, 2...	12.363	3.6	ng	81059	4	11.310	448899	20.0
Naphthalene, 1-...	12.404	2.7	ng	60616	4	11.310	448899	20.0
Cyclopenta(def)...	12.451	3.5	ng	77973	4	11.310	448899	20.0
Pyrene, 1-methyl-	12.974	3.0	ng	166940	5	13.957	1131180	20.0
11H-Benzo[b]flu...	13.080	5.0	ng	283503	5	13.957	1131180	20.0
11H-Benzo[a]flu...	13.151	2.1	ng	118007	5	13.957	1131180	20.0
Pyrene, 2-methyl-	13.186	2.8	ng	158451	5	13.957	1131180	20.0
Benzo[e]pyrene	15.292	11.0	ng	183063	6	15.410	333387	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-5.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141464.D	1	01/29/25 08:40	02/05/25 22:49	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	360	U	200	360	ug/Kg
108-95-2	Phenol	190	U	91.2	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	92.0	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	91.8	190	ug/Kg
95-48-7	2-Methylphenol	190	U	88.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	95.6	190	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	87.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.0	U	44.3	88.0	ug/Kg
67-72-1	Hexachloroethane	190	U	91.3	190	ug/Kg
98-95-3	Nitrobenzene	190	U	99.9	190	ug/Kg
78-59-1	Isophorone	190	U	93.0	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	94.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	83.0	190	ug/Kg
91-20-3	Naphthalene	190	U	90.8	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	90.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	91.6	190	ug/Kg
105-60-2	Caprolactam	360	U	95.5	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	85.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	90.7	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	360	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	78.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	81.4	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	96.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	91.6	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	89.8	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-5.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141464.D	1	01/29/25 08:40	02/05/25 22:49	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	95.1	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	91.5	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	98.1	190	ug/Kg
83-32-9	Acenaphthene	190	U	89.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	270	360	ug/Kg
100-02-7	4-Nitrophenol	360	U	130	360	ug/Kg
132-64-9	Dibenzofuran	190	U	92.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	94.8	190	ug/Kg
84-66-2	Diethylphthalate	190	U	88.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	94.1	190	ug/Kg
86-73-7	Fluorene	190	U	94.0	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	360	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	89.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	86.8	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	93.5	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	360	U	85.0	360	ug/Kg
85-01-8	Phenanthrene	720		92.4	190	ug/Kg
120-12-7	Anthracene	230		92.8	190	ug/Kg
86-74-8	Carbazole	190	U	88.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	92.7	190	ug/Kg
206-44-0	Fluoranthene	1100		89.8	190	ug/Kg
129-00-0	Pyrene	770		91.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	360	U	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	460		88.7	190	ug/Kg
218-01-9	Chrysene	360		87.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	510		89.2	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-5.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141464.D	1	01/29/25 08:40	02/05/25 22:49	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	230		90.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	470		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	220		85.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	89.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	240		88.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	95.5	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	82.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	58.8		18 - 112	39%	SPK: 150
13127-88-3	Phenol-d6	58.6		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.1		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	41.7		10 - 116	28%	SPK: 150
1718-51-0	Terphenyl-d14	40.0		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59000	6.792			
1146-65-2	Naphthalene-d8	209000	8.069			
15067-26-2	Acenaphthene-d10	95100	9.828			
1517-22-2	Phenanthrene-d10	162000	11.316			
1719-03-5	Chrysene-d12	126000	13.957			
1520-96-3	Perylene-d12	93400	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
000544-76-3	Hexadecane	130	J		9.23	ug/Kg
000629-78-7	Heptadecane	130	J		9.76	ug/Kg
1000487-41-5	2,6-Bis(chloromethyl)-4-methylphen	75.5	J		10.0	ug/Kg
000629-59-4	Tetradecane	140	J		10.3	ug/Kg
000119-61-9	Benzophenone	260	J		10.5	ug/Kg
000629-50-5	Tridecane	180	J		10.7	ug/Kg
000630-02-4	Octacosane	130	J		11.2	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-5.1-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.9
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141464.D	1	01/29/25 08:40	02/05/25 22:49	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000132-65-0	Dibenzothiophene	86.9	J		11.2	ug/Kg
	unknown11.610	87.6	J		11.6	ug/Kg
000610-48-0	Anthracene, 1-methyl-	82.5	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	170	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	250	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	120	J		12.3	ug/Kg
	unknown12.410	120	J		12.4	ug/Kg
000483-65-8	Retene	200	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 06 01:50:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	59021	20.000	ng		-0.01
21) Naphthalene-d8	8.069	136	209153	20.000	ng		-0.02
39) Acenaphthene-d10	9.828	164	95113	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	162078	20.000	ng		-0.01
76) Chrysene-d12	13.957	240	126468	20.000	ng		-0.02
86) Perylene-d12	15.421	264	93403	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	226196	58.836	ng		0.00
7) Phenol-d6	6.428	99	286818	58.645	ng		-0.01
23) Nitrobenzene-d5	7.351	82	185675	46.799	ng		-0.02
42) 2,4,6-Tribromophenol	10.616	330	36383	41.725	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	303661	49.141	ng		-0.02
79) Terphenyl-d14	12.904	244	327648	39.954	ng		-0.01
Target Compounds							Qvalue
52) Acenaphthene	9.857	154	12099	2.093	ng		96
58) Fluorene	10.375	166	13386	2.230	ng		97
71) Phenanthrene	11.339	178	171494	19.684	ng		99
72) Anthracene	11.386	178	53961	6.321	ng		99
75) Fluoranthene	12.527	202	260914	30.330	ng		97
78) Pyrene	12.757	202	256124	21.098	ng		99
81) Benzo(a)anthracene	13.951	228	110619	12.675	ng		95
83) Chrysene	13.986	228	78976	9.874	ng		97
84) Bis(2-ethylhexyl)phtha...	13.945	149	11936	2.219	ng	#	93
87) Indeno(1,2,3-cd)pyrene	16.862	276	36951	6.129	ng	#	89
88) Benzo(b)fluoranthene	15.004	252	80992m	13.785	ng		
89) Benzo(k)fluoranthene	15.015	252	33139m	6.367	ng		
90) Benzo(a)pyrene	15.357	252	63244	12.738	ng	#	92
92) Benzo(g,h,i)perylene	17.298	276	33017	6.547	ng		94

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

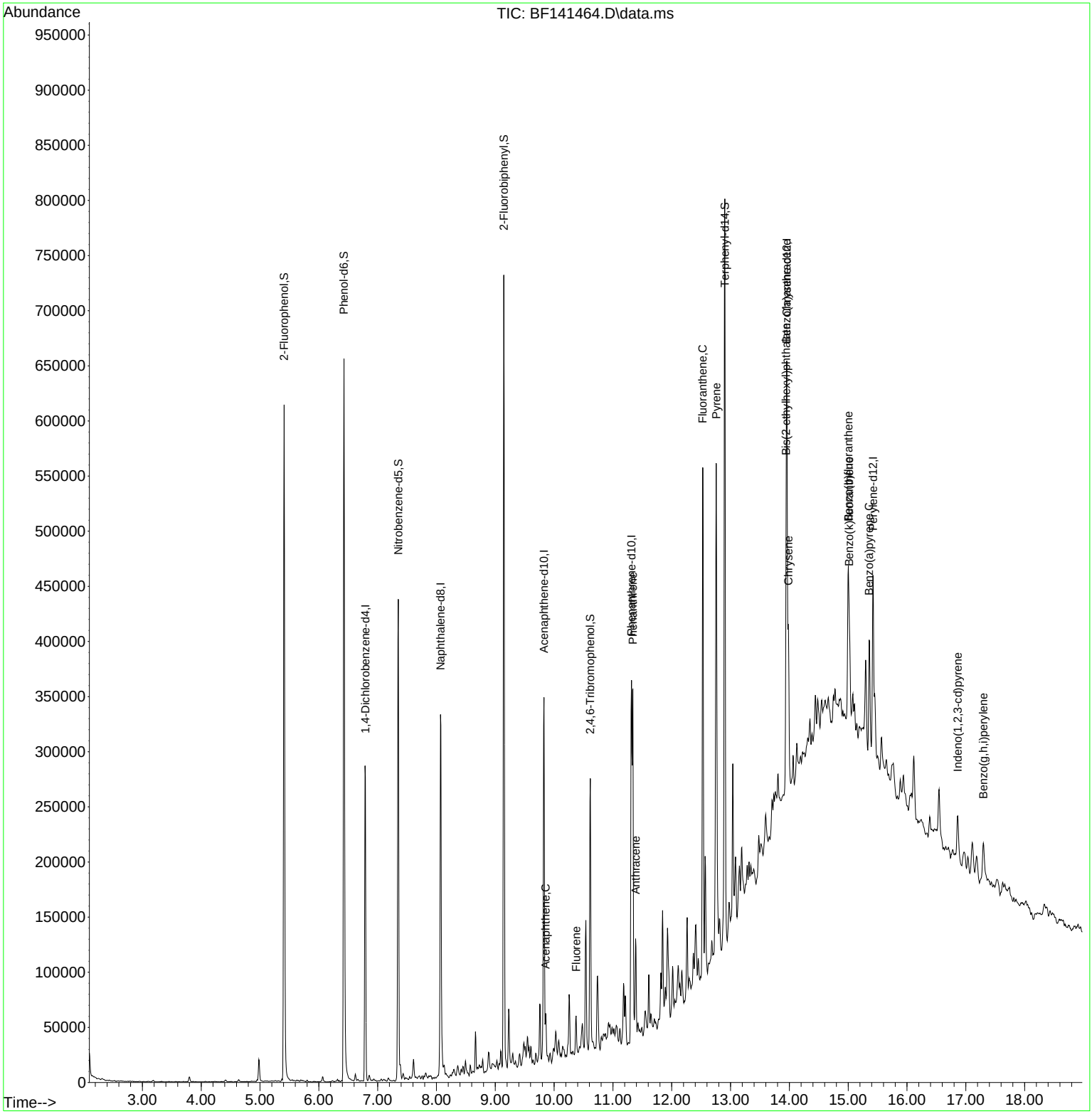
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

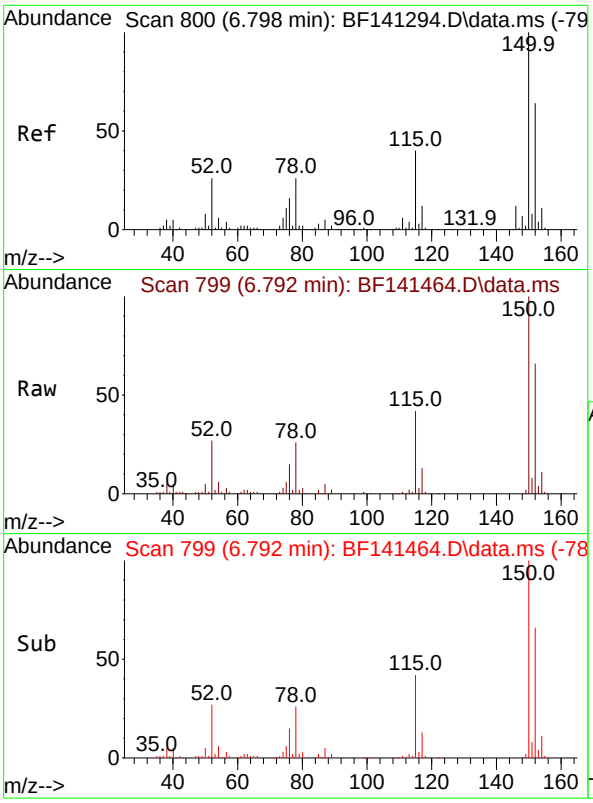
Quant Time: Feb 06 01:50:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

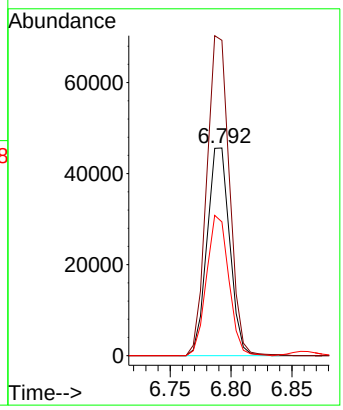




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:152 Resp: 5902

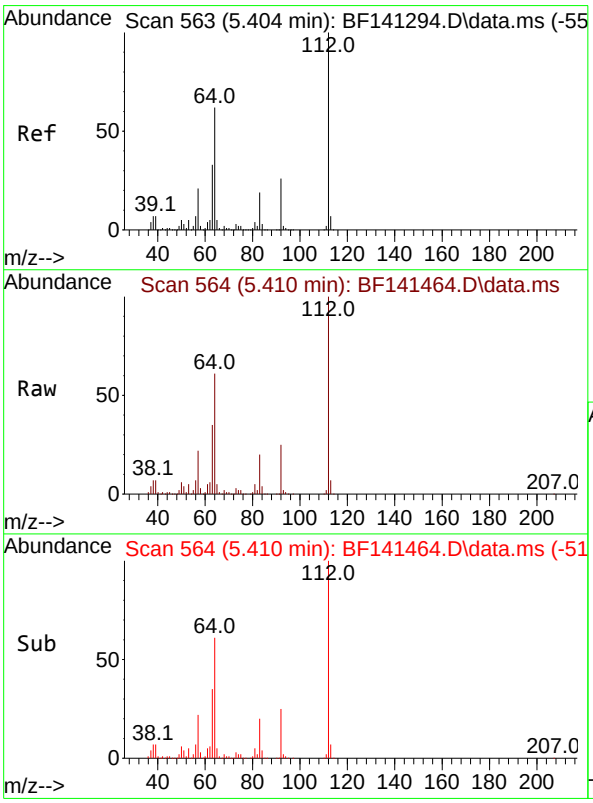
Ion	Ratio	Lower	Upper
152	100		
150	151.8	125.9	188.9
115	64.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Manual Integrations
APPROVED

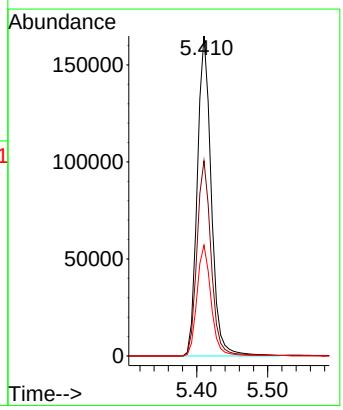
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

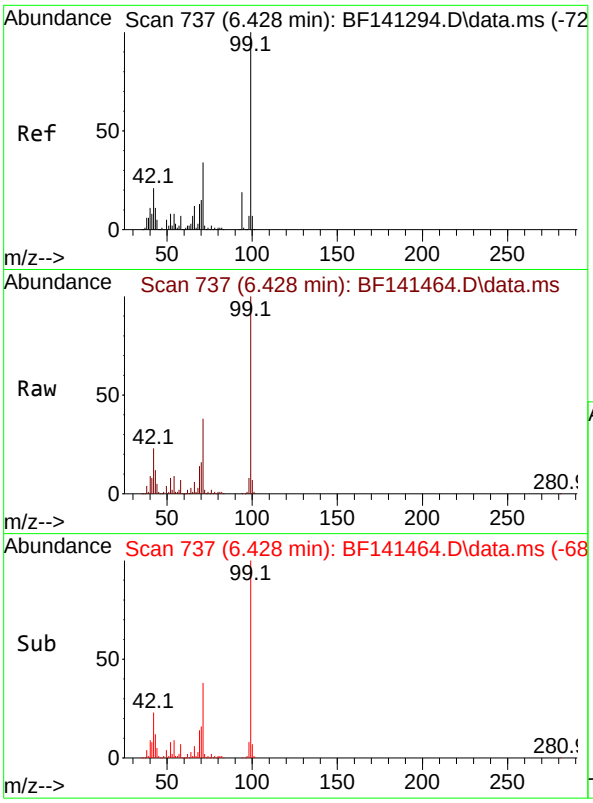


#5
2-Fluorophenol
Concen: 58.836 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:112 Resp: 226196

Ion	Ratio	Lower	Upper
112	100		
64	61.0	49.8	74.8
63	34.6	26.1	39.1

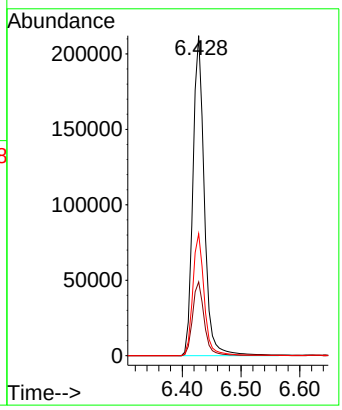




#7
Phenol-d6
Concen: 58.645 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion: 99 Resp: 28681

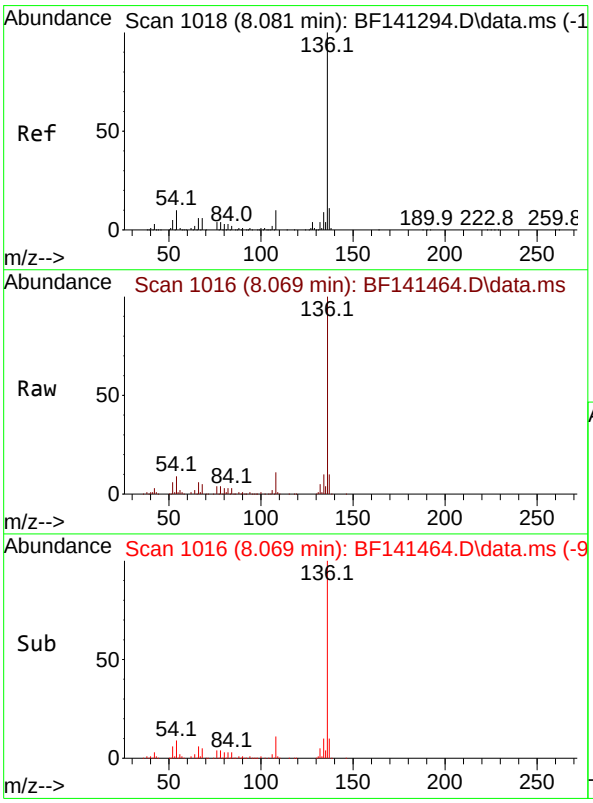
Ion	Ratio	Lower	Upper
99	100		
42	23.1	17.1	25.7
71	38.1	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Manual Integrations
APPROVED

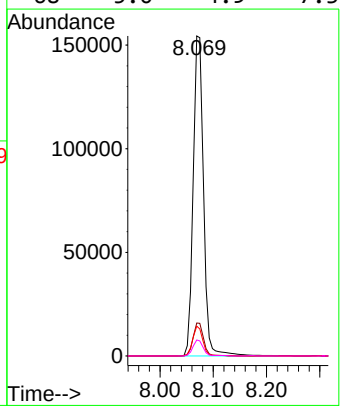
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

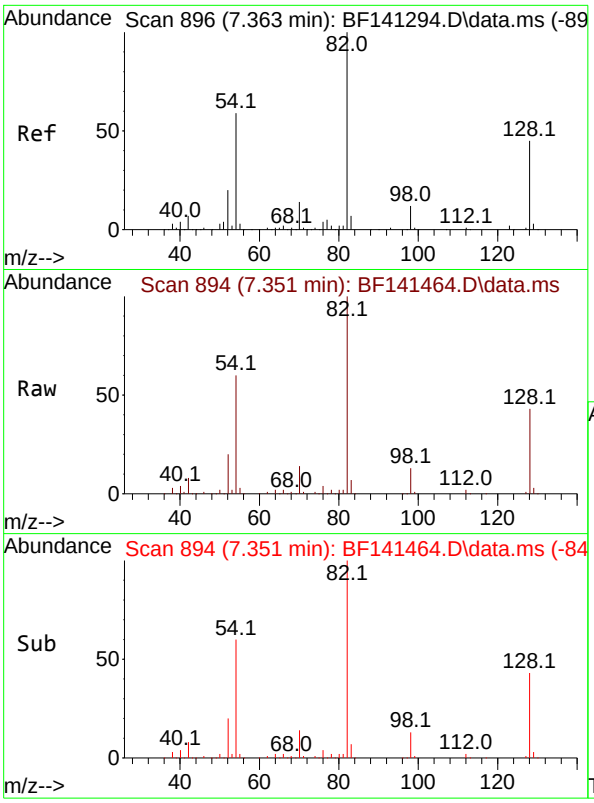


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:136 Resp: 209153

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	9.3	7.8	11.8
68	5.0	4.9	7.3

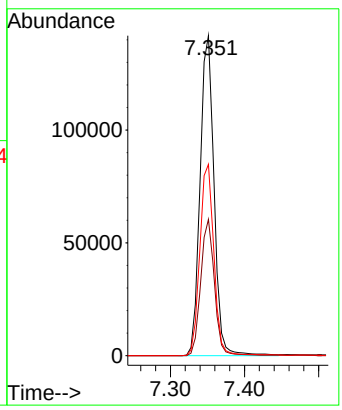




#23
Nitrobenzene-d5
Concen: 46.799 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion: 82 Resp: 18567

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	59.8	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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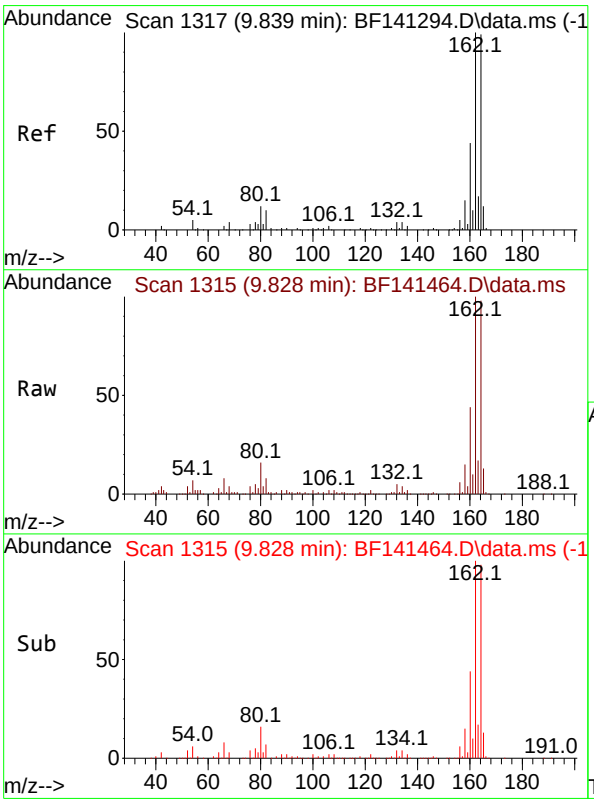
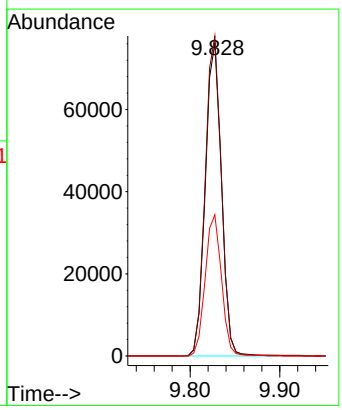
Supervised By :mohammad ahmed 02/06/2025

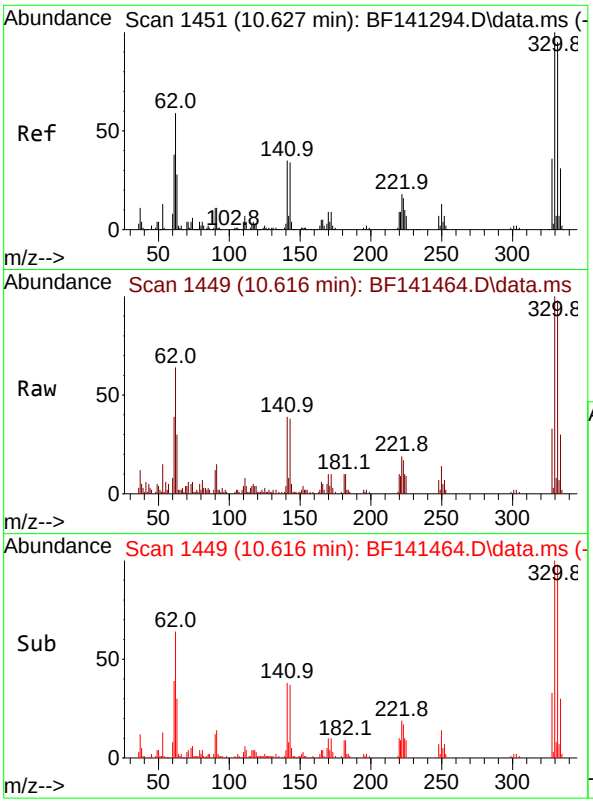


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:164 Resp: 95113

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	121.0
160	45.1	35.8	53.6

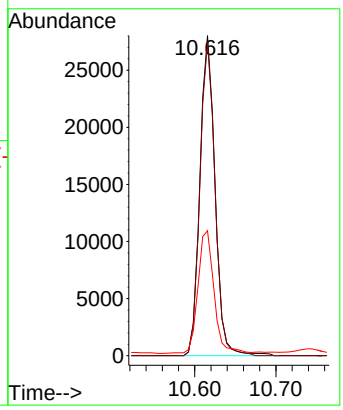




#42
2,4,6-Tribromophenol
Concen: 41.725 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:330 Resp: 3638

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	40.6	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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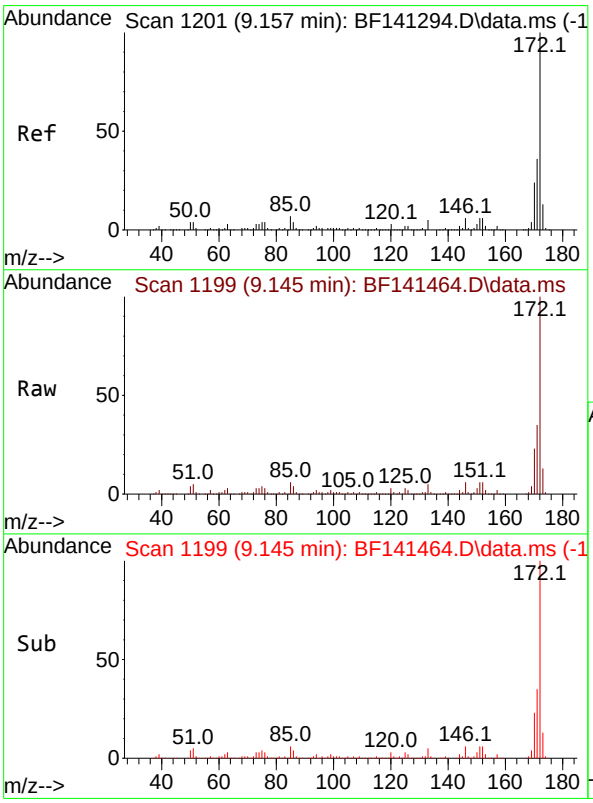
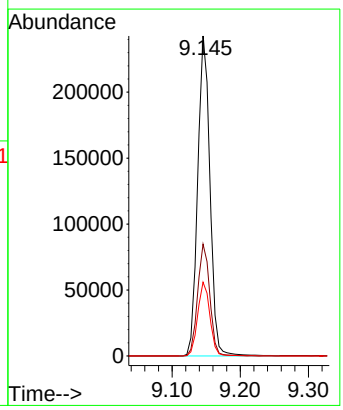
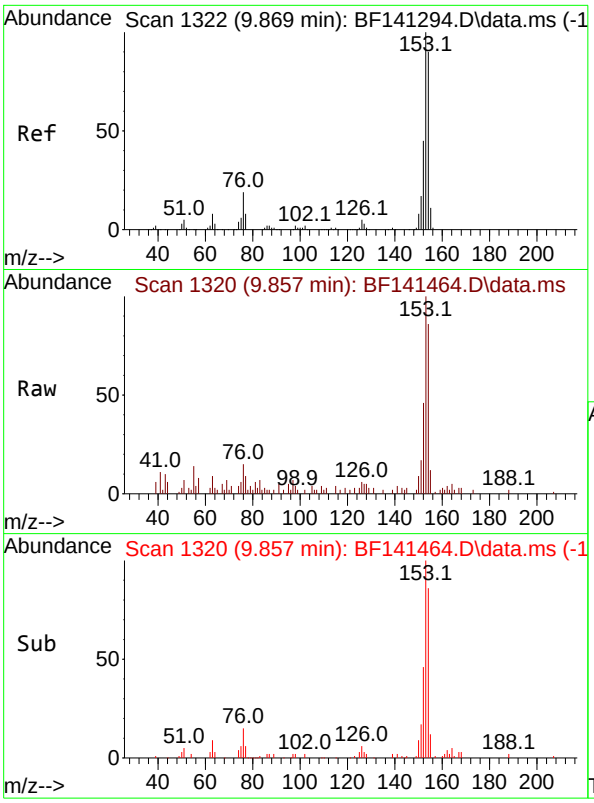


#45
2-Fluorobiphenyl
Concen: 49.141 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:172 Resp: 303661

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	23.0	19.0	28.6

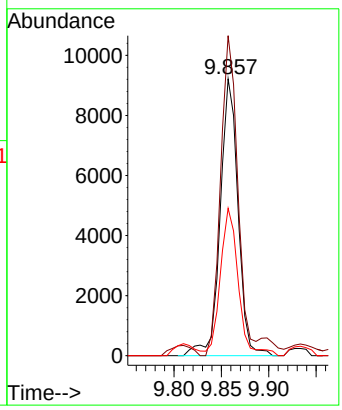




#52
Acenaphthene
Concen: 2.093 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:154 Resp: 1209

Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.0	133.4
152	53.3	40.2	60.4



Instrument :
BNA_F
ClientSampleId :
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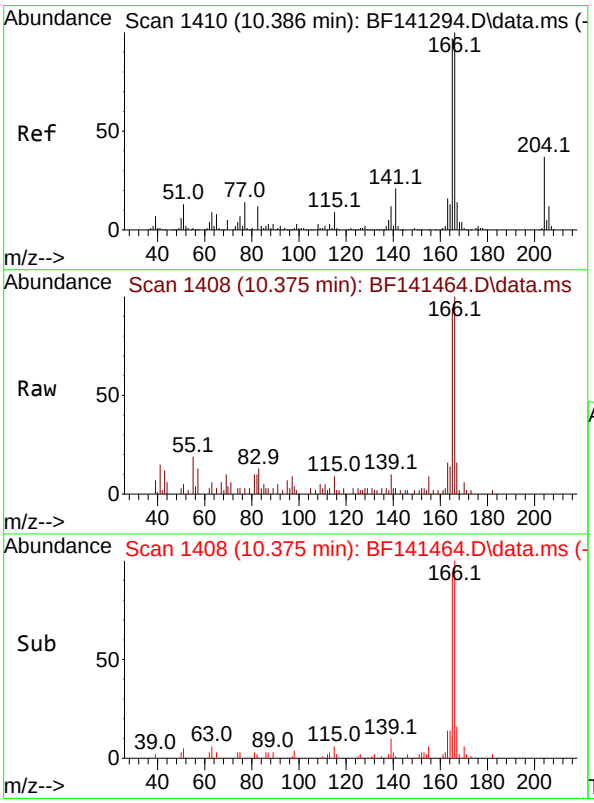
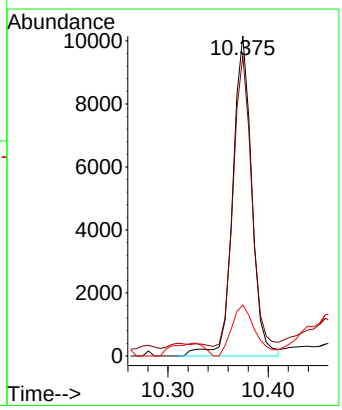
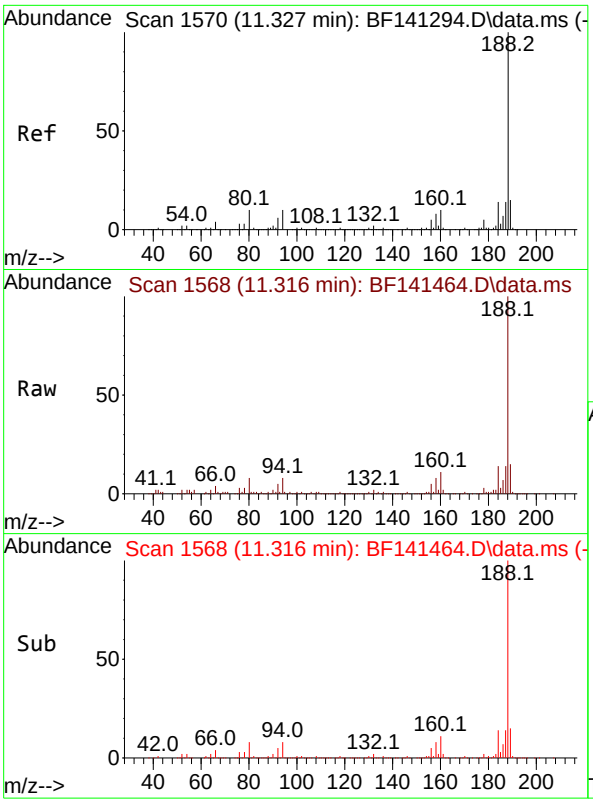


#58
Fluorene
Concen: 2.230 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:166 Resp: 13386

Ion	Ratio	Lower	Upper
166	100		
165	93.9	77.5	116.3
167	15.9	10.9	16.3

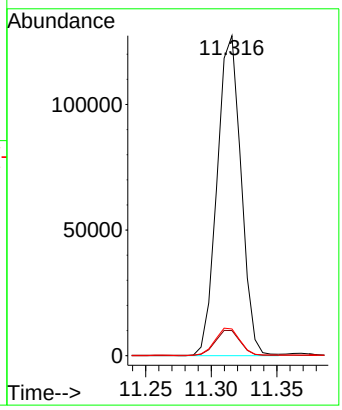




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:188 Resp: 16207

Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.8	11.6
80	8.3	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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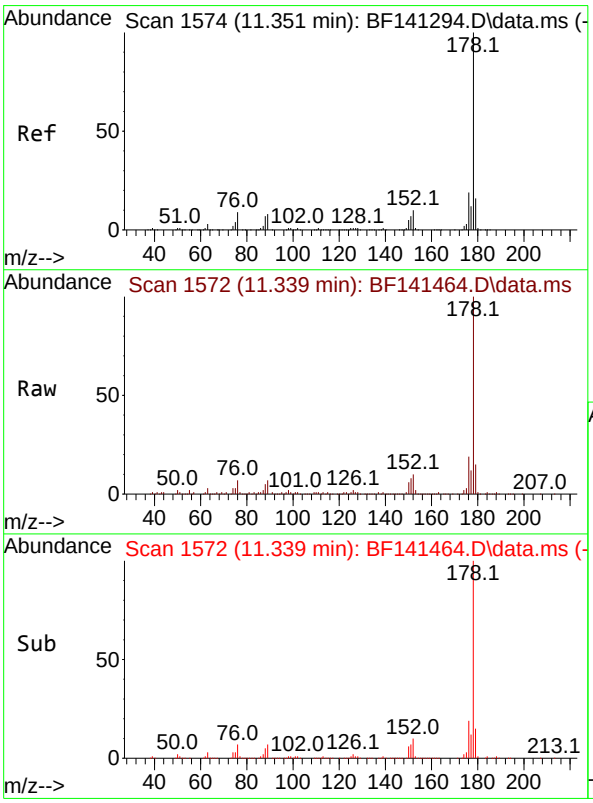
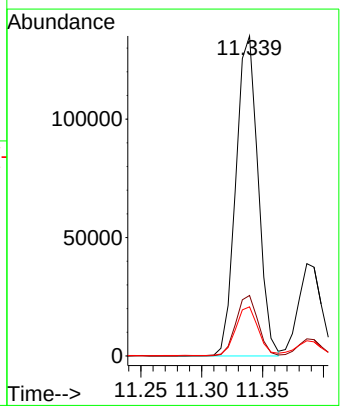
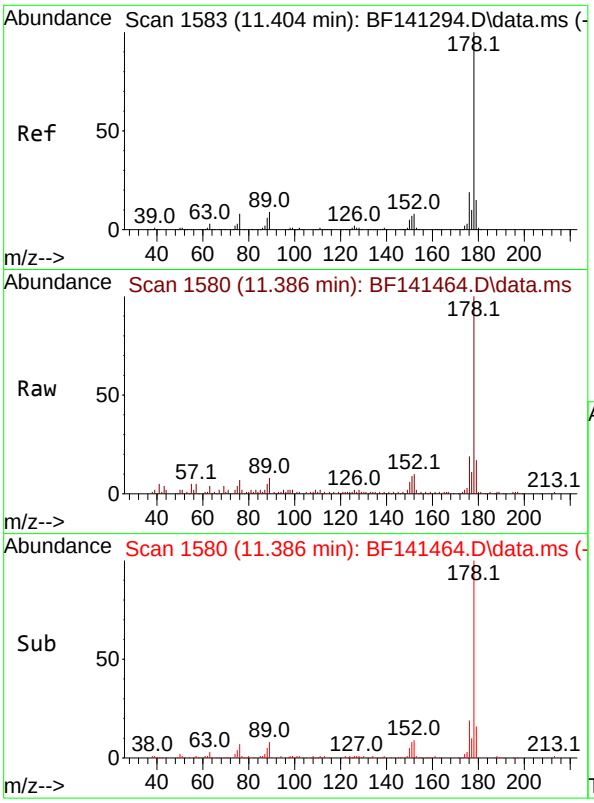


#71
Phenanthrene
Concen: 19.684 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:178 Resp: 171494

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.5	18.7

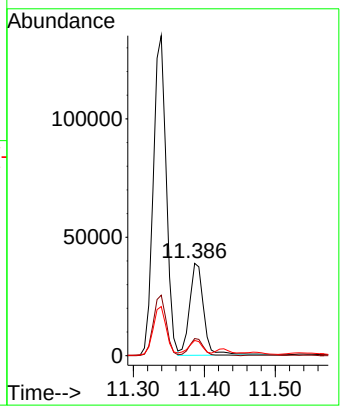




#72
Anthracene
Concen: 6.321 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:178 Resp: 5396

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	16.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
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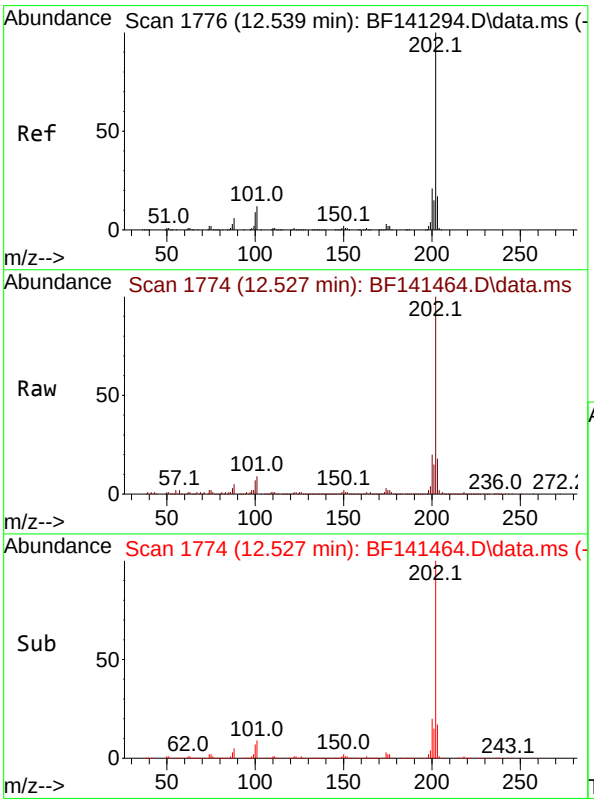
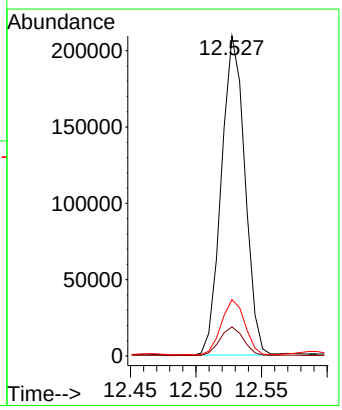
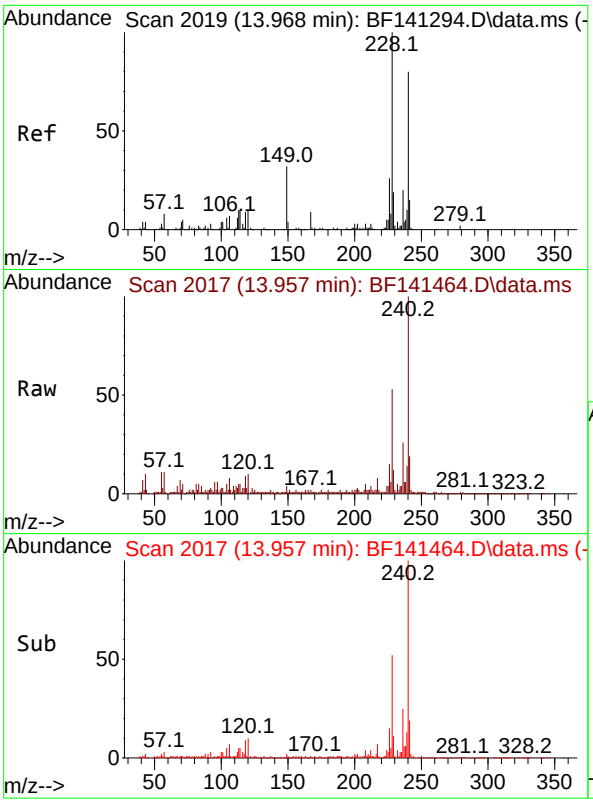


#75
Fluoranthene
Concen: 30.330 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:202 Resp: 260914

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.7
203	17.6	0.0	37.5

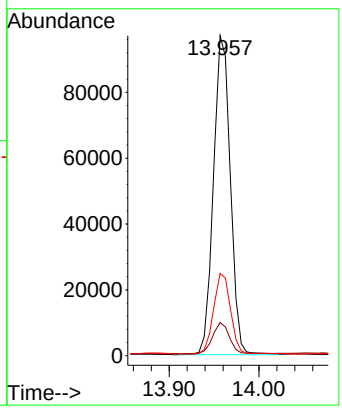




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:240 Resp: 12646

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.0	15.0
236	25.7	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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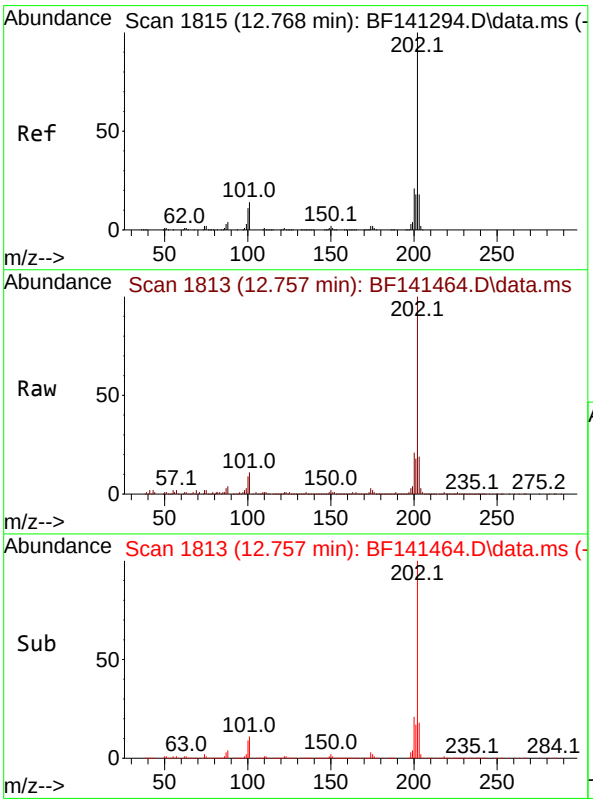
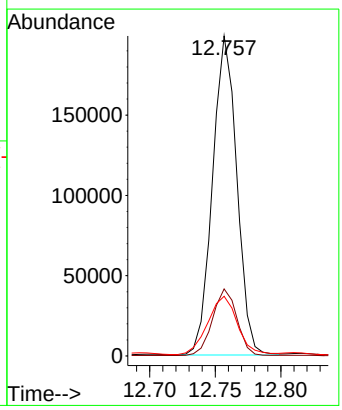
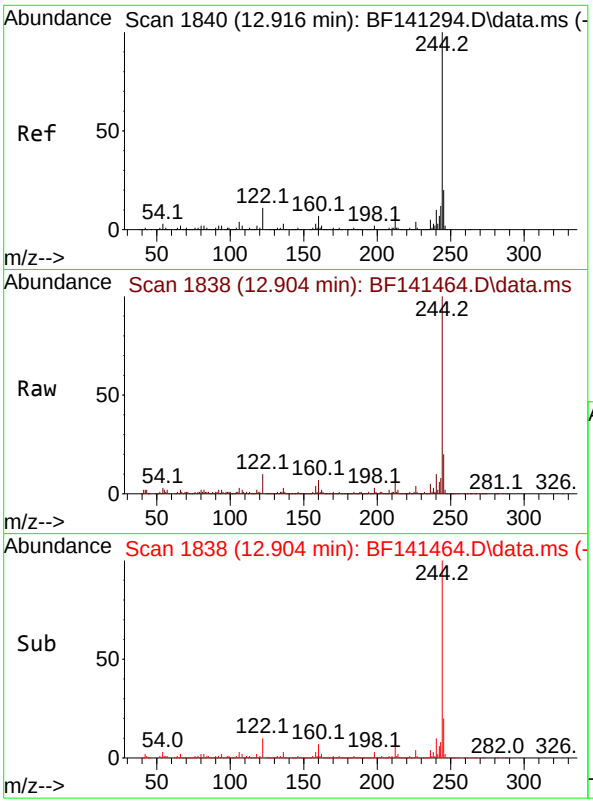


#78
Pyrene
Concen: 21.098 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:202 Resp: 256124

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.7	14.3	21.5

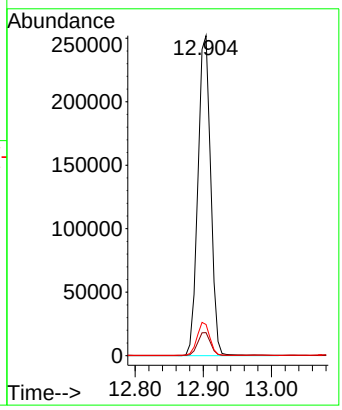




#79
Terphenyl-d14
Concen: 39.954 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:244 Resp: 32764

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
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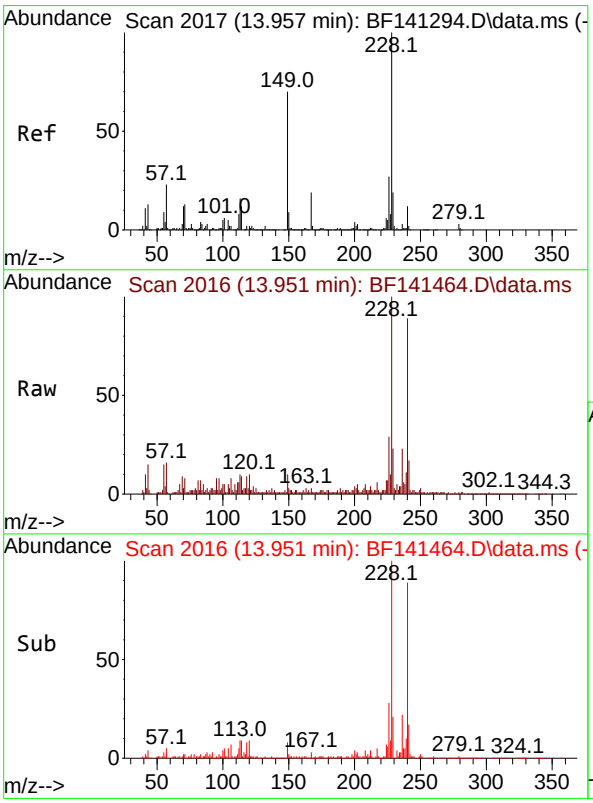
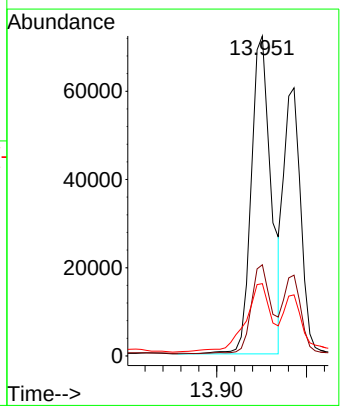
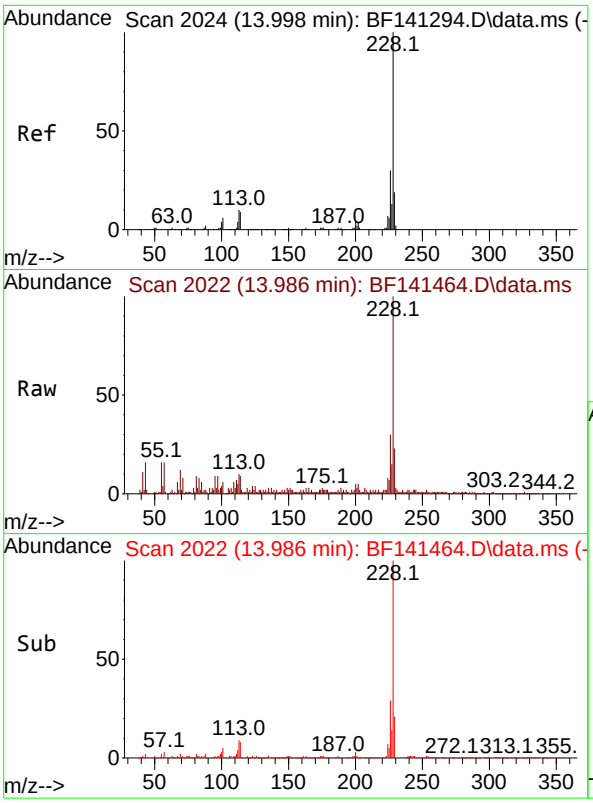


#81
Benzo(a)anthracene
Concen: 12.675 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:228 Resp: 110619

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	22.6	15.5	23.3

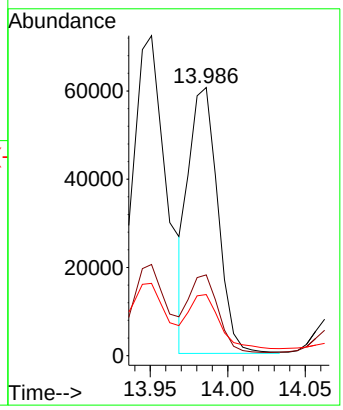




#83
Chrysene
Concen: 9.874 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:228 Resp: 7897

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	22.8	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
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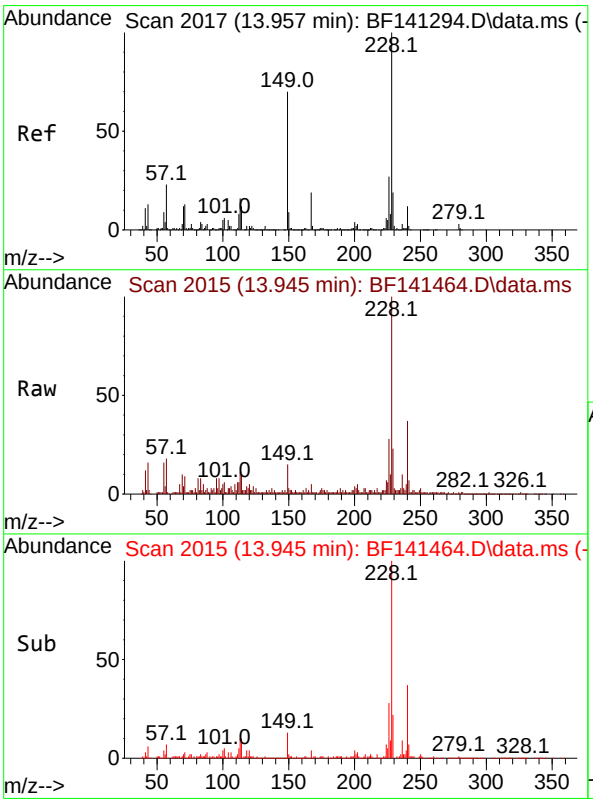
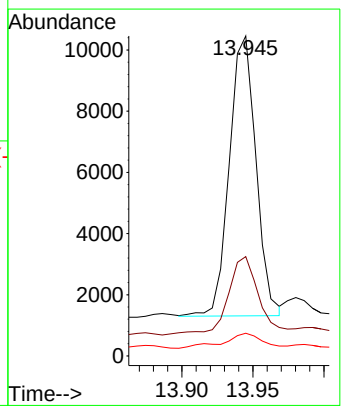
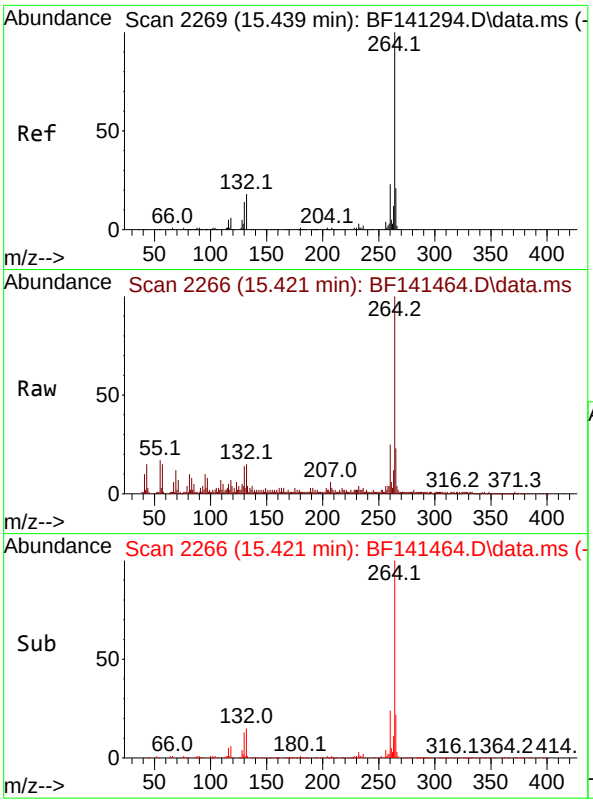


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.219 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:149 Resp: 11936

Ion	Ratio	Lower	Upper
149	100		
167	31.0	21.8	32.8
279	7.1	3.3	4.9#

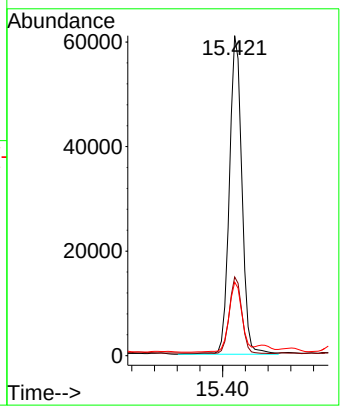




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:264 Resp: 9340

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	23.0	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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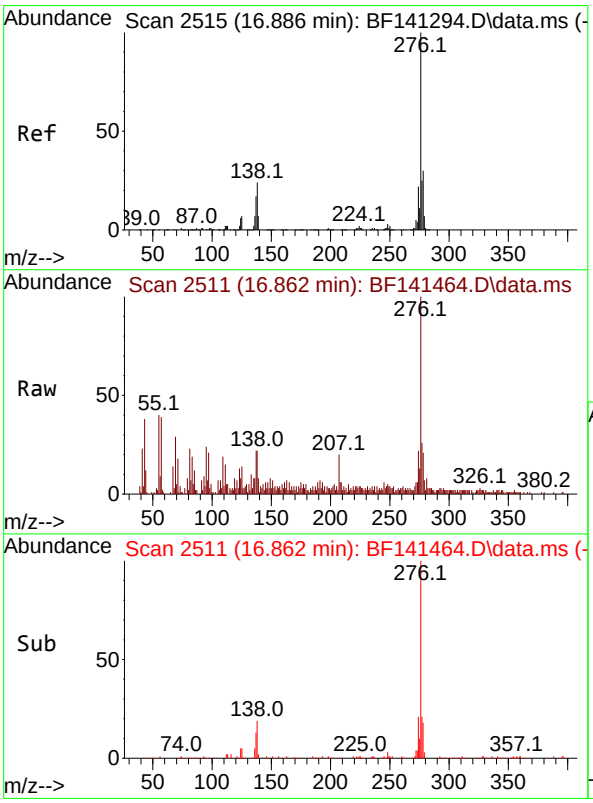
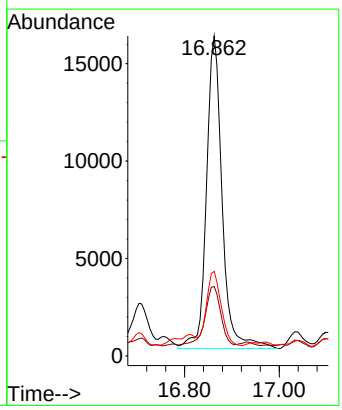
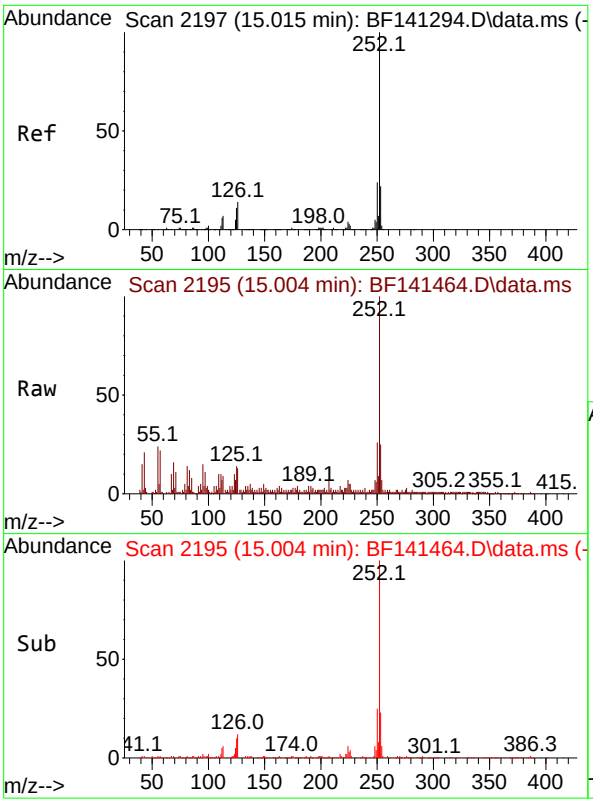


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.129 ng
RT: 16.862 min Scan# 2511
Delta R.T. -0.035 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:276 Resp: 36951

Ion	Ratio	Lower	Upper
276	100		
138	19.4	21.7	32.5#
277	22.2	20.3	30.5

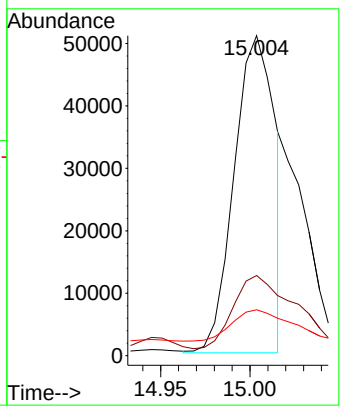




#88
Benzo(b)fluoranthene
Concen: 13.785 ng m
RT: 15.004 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:252 Resp: 8099

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.2
125	14.3	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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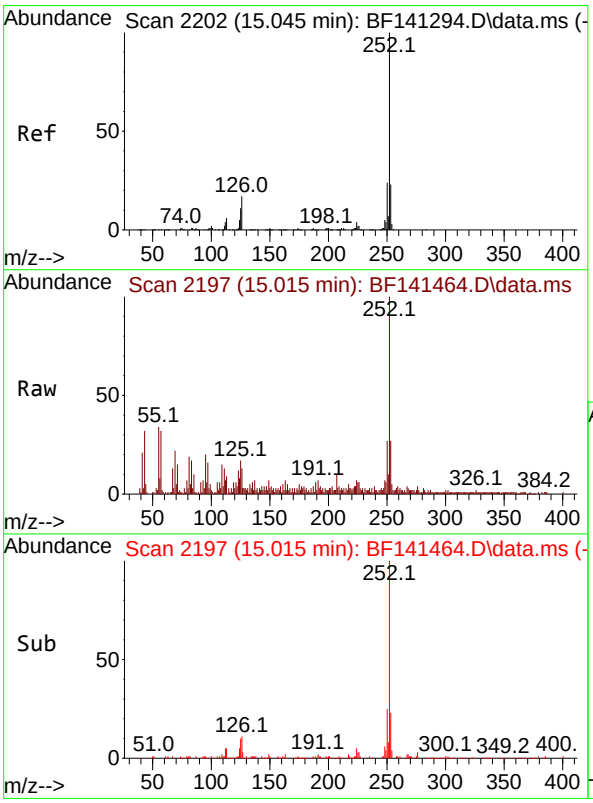
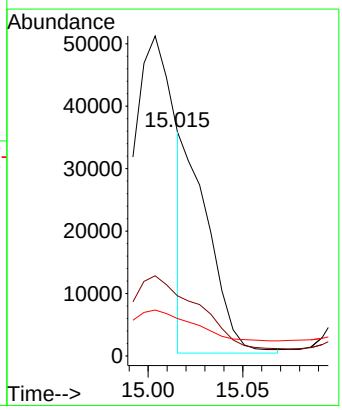
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

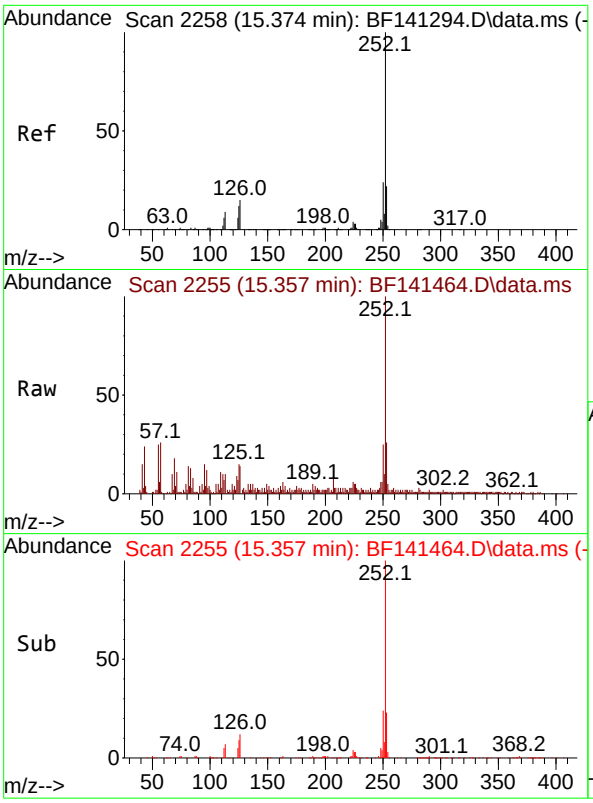


#89
Benzo(k)fluoranthene
Concen: 6.367 ng m
RT: 15.015 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:252 Resp: 33139

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.6	26.4#
125	16.7	8.4	12.6#

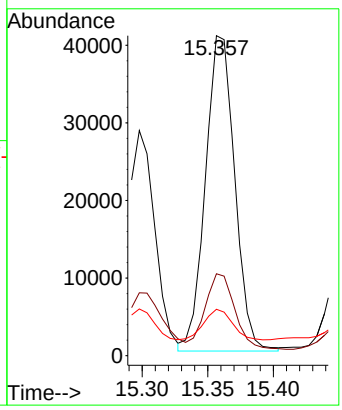




#90
Benzo(a)pyrene
Concen: 12.738 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

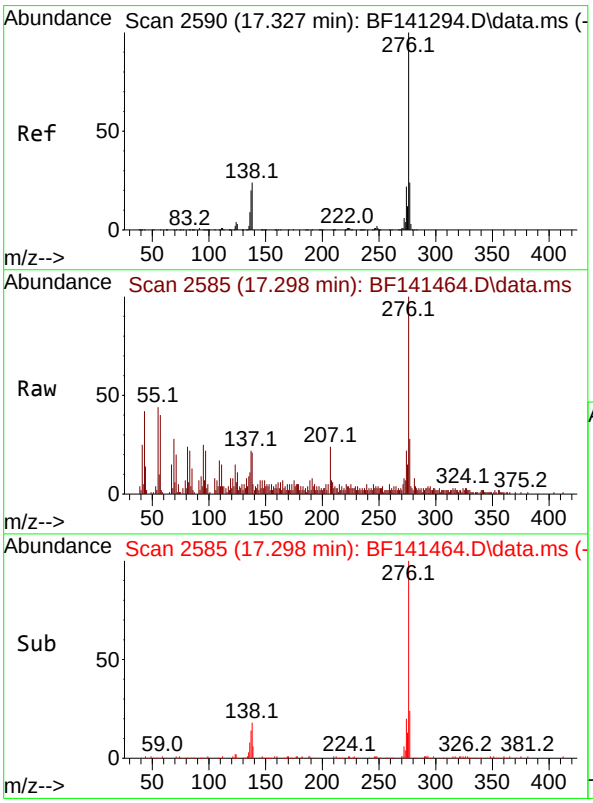
Tgt Ion:252 Resp: 6324

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	14.5	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

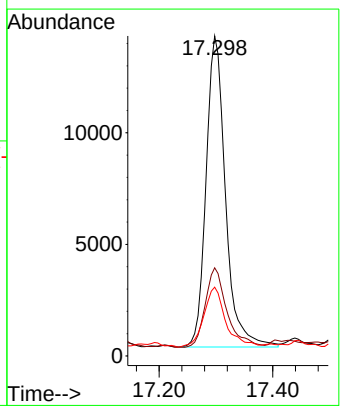
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 6.547 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

Tgt Ion:276 Resp: 33017

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.2	28.8
138	21.5	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141464.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.981	487	491	497	rVB	18963	26874	2.92%	0.234%
2	5.410	559	564	582	rVB	612862	838952	91.03%	7.320%
3	6.428	732	737	760	rBV	655119	905321	98.23%	7.899%
4	6.787	793	798	806	rBV	285976	364614	39.56%	3.181%
5	7.351	884	894	899	rBV	437183	573871	62.27%	5.007%
6	7.387	899	900	904	rVV	13948	12498	1.36%	0.109%
7	7.610	932	938	943	rBV3	17213	25349	2.75%	0.221%
8	8.069	1003	1016	1024	rBV	329808	493756	53.58%	4.308%
9	8.363	1061	1066	1073	rBV6	8822	17342	1.88%	0.151%
10	8.492	1084	1088	1094	rBV	11380	16623	1.80%	0.145%
11	8.575	1099	1102	1106	rBV3	9649	13706	1.49%	0.120%
12	8.663	1113	1117	1121	rBV	36932	45244	4.91%	0.395%
13	8.786	1135	1138	1142	rVB	12185	14426	1.57%	0.126%
14	8.886	1151	1155	1162	rBV3	15642	25042	2.72%	0.218%
15	8.951	1162	1166	1175	rVV8	4743	14023	1.52%	0.122%
16	9.028	1176	1179	1183	rVB2	8001	10231	1.11%	0.089%
17	9.092	1187	1190	1194	rVV3	14374	17435	1.89%	0.152%
18	9.145	1194	1199	1209	rVB	718825	887853	96.34%	7.747%
19	9.228	1209	1213	1220	rBV2	53126	77954	8.46%	0.680%
20	9.298	1222	1225	1230	rVB2	9811	12739	1.38%	0.111%
21	9.416	1241	1245	1249	rVB3	10704	16059	1.74%	0.140%
22	9.486	1250	1257	1259	rBV3	20673	36918	4.01%	0.322%
23	9.545	1263	1267	1270	rVV4	24428	41247	4.48%	0.360%
24	9.604	1274	1277	1281	rVB2	14905	20284	2.20%	0.177%
25	9.686	1288	1291	1296	rBV4	10172	16007	1.74%	0.140%
26	9.757	1297	1303	1308	rVV	54279	79118	8.58%	0.690%
27	9.828	1308	1315	1318	rVV	331075	440101	47.75%	3.840%
28	9.857	1318	1320	1325	rVV	43686	55760	6.05%	0.487%
29	9.933	1329	1333	1337	rVB4	8738	13067	1.42%	0.114%
30	9.992	1338	1343	1345	rBV3	11527	20029	2.17%	0.175%
31	10.028	1345	1349	1354	rVV	24647	45237	4.91%	0.395%
32	10.080	1354	1358	1362	rVV3	15798	25801	2.80%	0.225%
33	10.145	1366	1369	1376	rVV8	9265	20763	2.25%	0.181%
34	10.257	1381	1388	1392	rBV	56467	84174	9.13%	0.734%
35	10.375	1403	1408	1414	rBV	35285	51023	5.54%	0.445%
36	10.480	1421	1426	1431	rVB	21712	35938	3.90%	0.314%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.539	1431	1436	1443	rVB	117337	153488	16.65%	1.339%
38	10.616	1444	1449	1455	rBV	244074	332601	36.09%	2.902%
39	10.739	1465	1470	1477	rVB	66968	118216	12.83%	1.031%
40	10.804	1478	1481	1484	rBV2	11218	18216	1.98%	0.159%
41	10.927	1499	1502	1504	rBV4	10388	13966	1.52%	0.122%
42	11.122	1532	1535	1538	rVB	13918	16145	1.75%	0.141%
43	11.180	1541	1545	1548	rVV	55559	85609	9.29%	0.747%
44	11.210	1548	1550	1556	rVB	44513	57967	6.29%	0.506%
45	11.316	1563	1568	1570	rBV	329083	488570	53.01%	4.263%
46	11.339	1570	1572	1576	rVV	317922	337478	36.62%	2.945%
47	11.386	1576	1580	1584	rVV	87485	119308	12.95%	1.041%
48	11.427	1584	1587	1590	rVV3	8148	11129	1.21%	0.097%
49	11.551	1604	1608	1614	rBV2	16996	31526	3.42%	0.275%
50	11.610	1614	1618	1622	rBV	48290	58327	6.33%	0.509%
51	11.816	1649	1653	1655	rBV	42082	55011	5.97%	0.480%
52	11.845	1655	1658	1662	rVB	88962	110811	12.02%	0.967%
53	11.927	1668	1672	1680	rVB	80972	165921	18.00%	1.448%
54	12.016	1684	1687	1691	rVB2	37102	48046	5.21%	0.419%
55	12.174	1711	1714	1719	rVB3	29280	41085	4.46%	0.358%
56	12.263	1725	1729	1732	rBV	65161	78880	8.56%	0.688%
57	12.369	1744	1747	1749	rBV	27266	32840	3.56%	0.287%
58	12.410	1750	1754	1758	rVB3	46608	80369	8.72%	0.701%
59	12.527	1769	1774	1778	rBV	462461	585099	63.49%	5.105%
60	12.569	1778	1781	1788	rVB2	106910	149295	16.20%	1.303%
61	12.757	1807	1813	1820	rBV	442007	685168	74.35%	5.978%
62	12.904	1833	1838	1845	rVB	672875	921591	100.00%	8.041%
63	13.039	1857	1861	1865	rBV	138539	174654	18.95%	1.524%
64	13.957	2012	2017	2020	rBV2	374506	624722	67.79%	5.451%
65	15.004	2191	2195	2203	rVB	135103	287293	31.17%	2.507%
66	15.421	2263	2266	2270	rBV	132005	182228	19.77%	1.590%

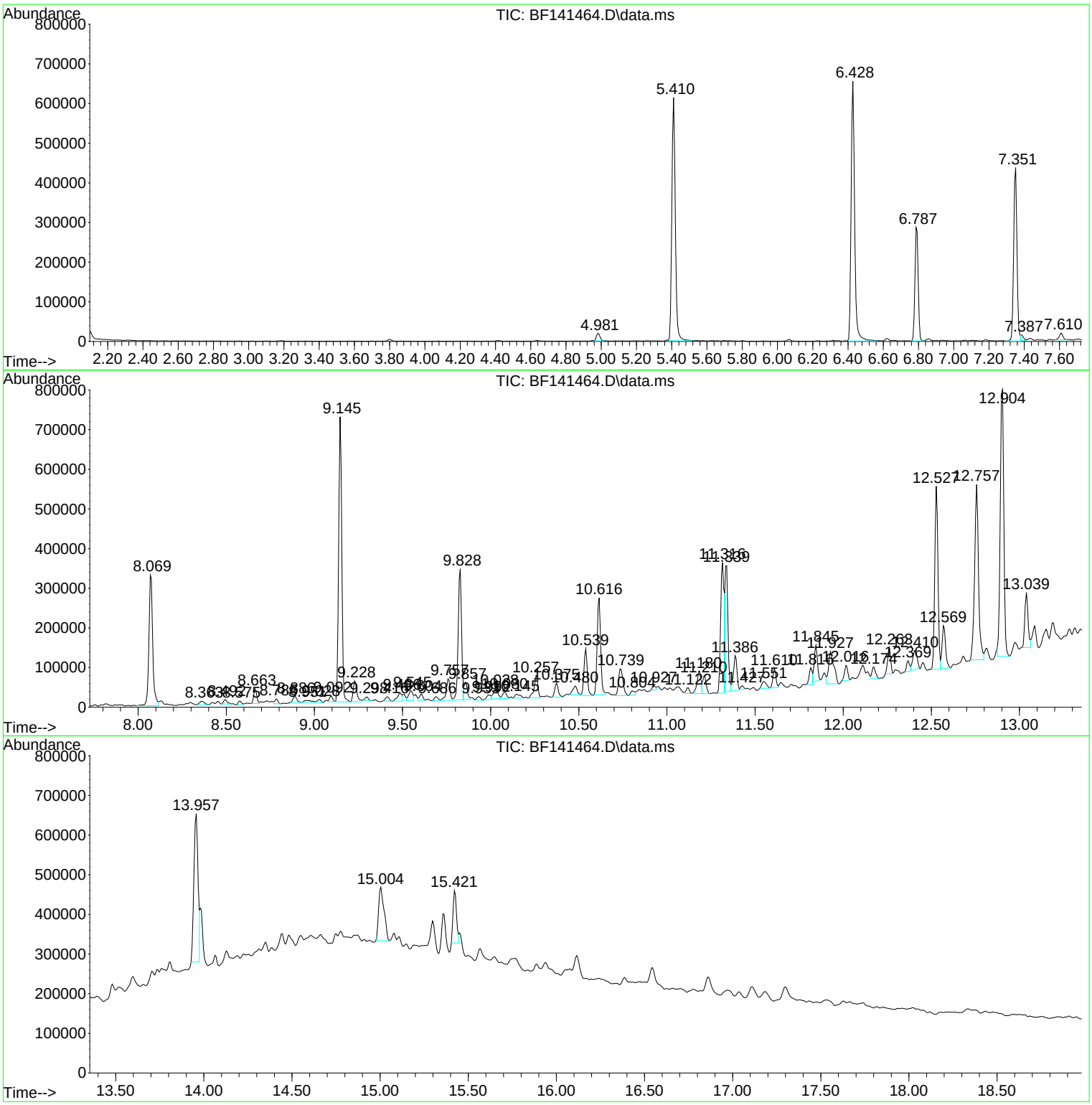
Sum of corrected areas: 11460938

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

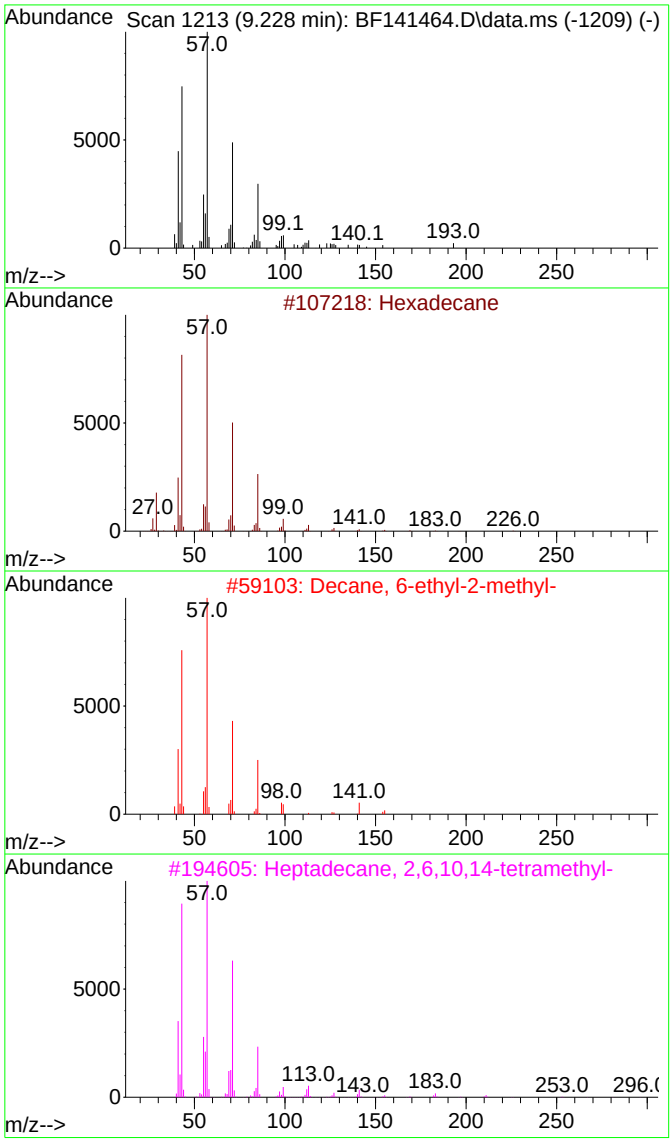
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

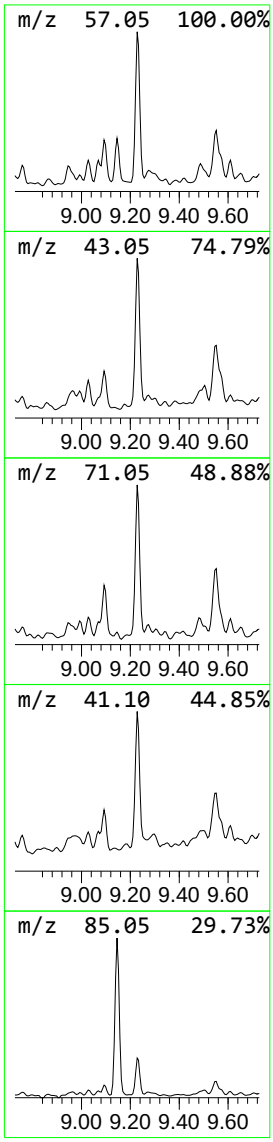
****

Peak Number 1 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	3.54 ng	77954	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	86
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
4	Tridecane	184	C13H28	000629-50-5	80
5	Eicosane	282	C20H42	000112-95-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

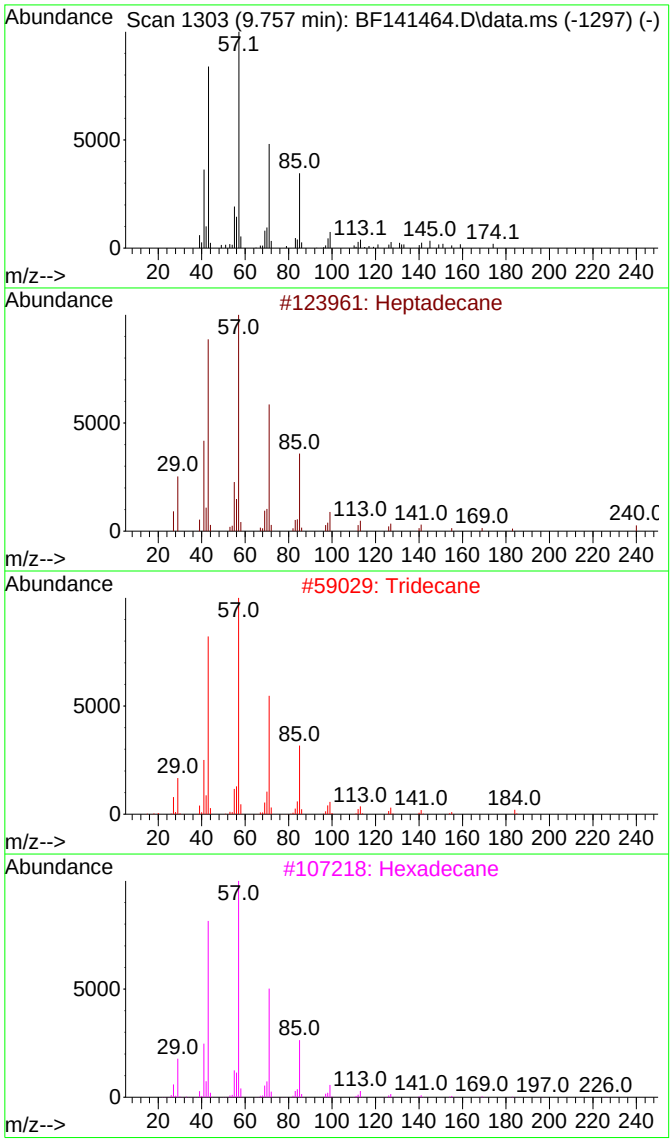
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

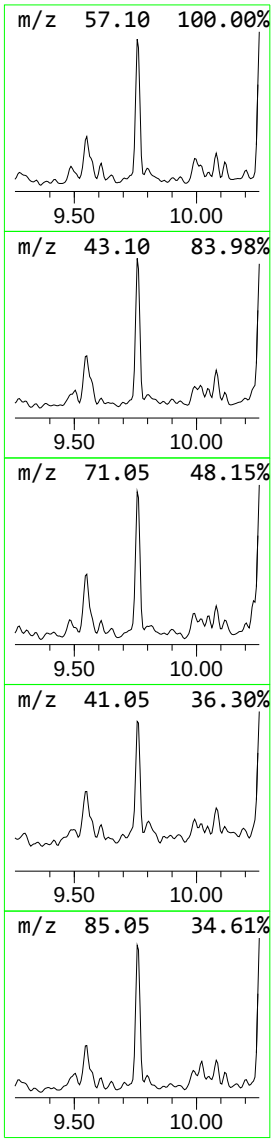
****

Peak Number 2 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.757	3.60 ng	79118	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tridecane	184	C13H28	000629-50-5	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Nonadecane	268	C19H40	000629-92-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

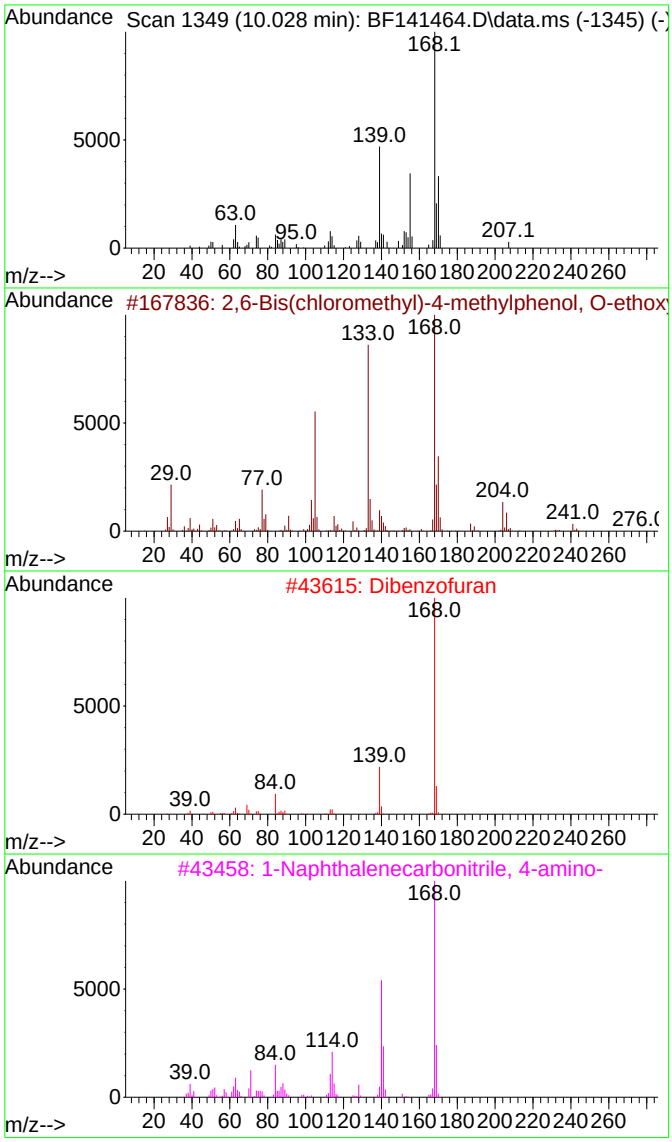
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

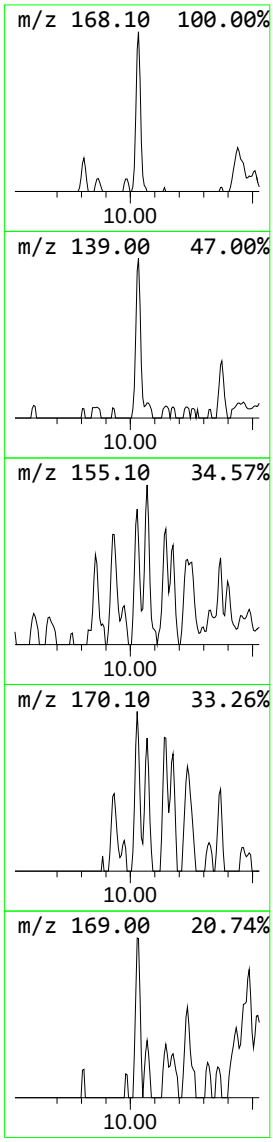
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,6-Bis(chloromethyl)-4-met... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.028	2.06 ng	45237	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Bis(chloromethyl)-4-methylph...	276	C12H14Cl2O3	1000487-41-5	50
2	Dibenzofuran	168	C12H8O	000132-64-9	50
3	1-Naphthalenecarbonitrile, 4-amino-	168	C11H8N2	058728-64-6	46
4	1-Methyl-1-(p-chlorphenyl)-1-sil...	196	C10H13ClSi	057465-49-3	45
5	4-Chloro-5,6,7,8-tetrahydroquina...	168	C8H9ClN2	001125-62-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

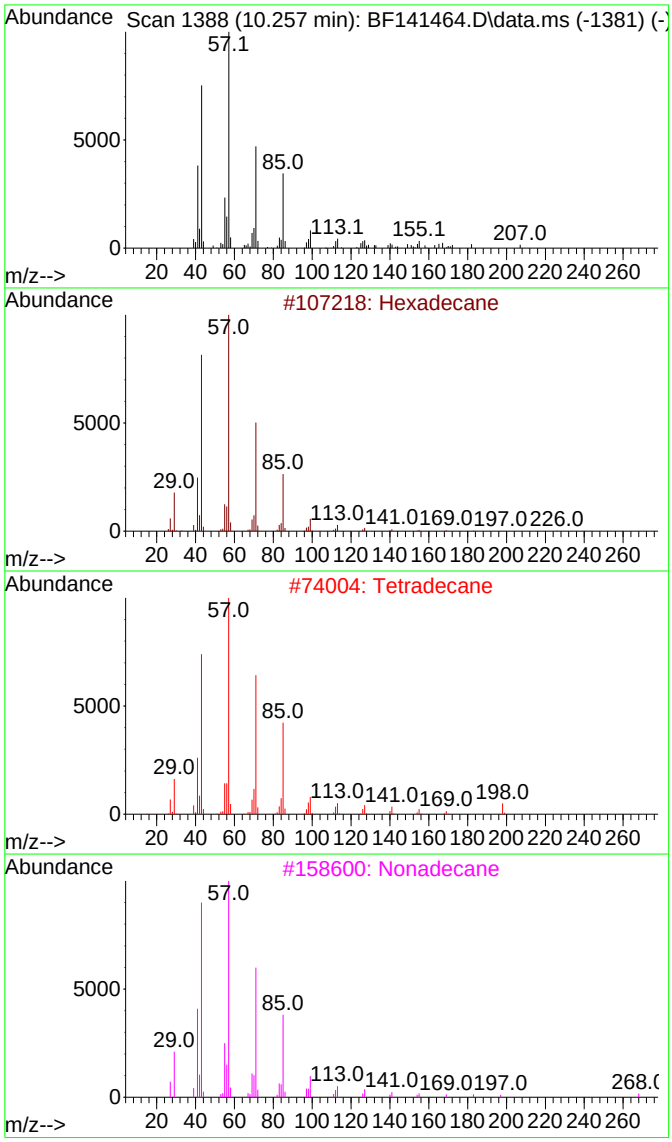
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

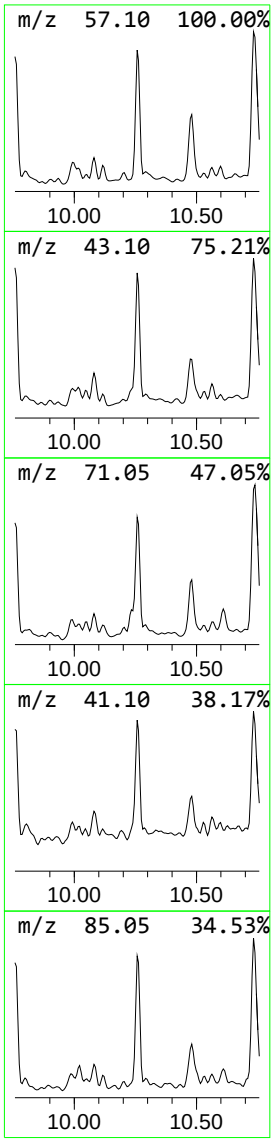
****

Peak Number 4 Tetradecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.257	3.83 ng	84174	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	86
2	Tetradecane	198	C14H30	000629-59-4	86
3	Nonadecane	268	C19H40	000629-92-5	86
4	Tridecane	184	C13H28	000629-50-5	78
5	Pentadecane	212	C15H32	000629-62-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

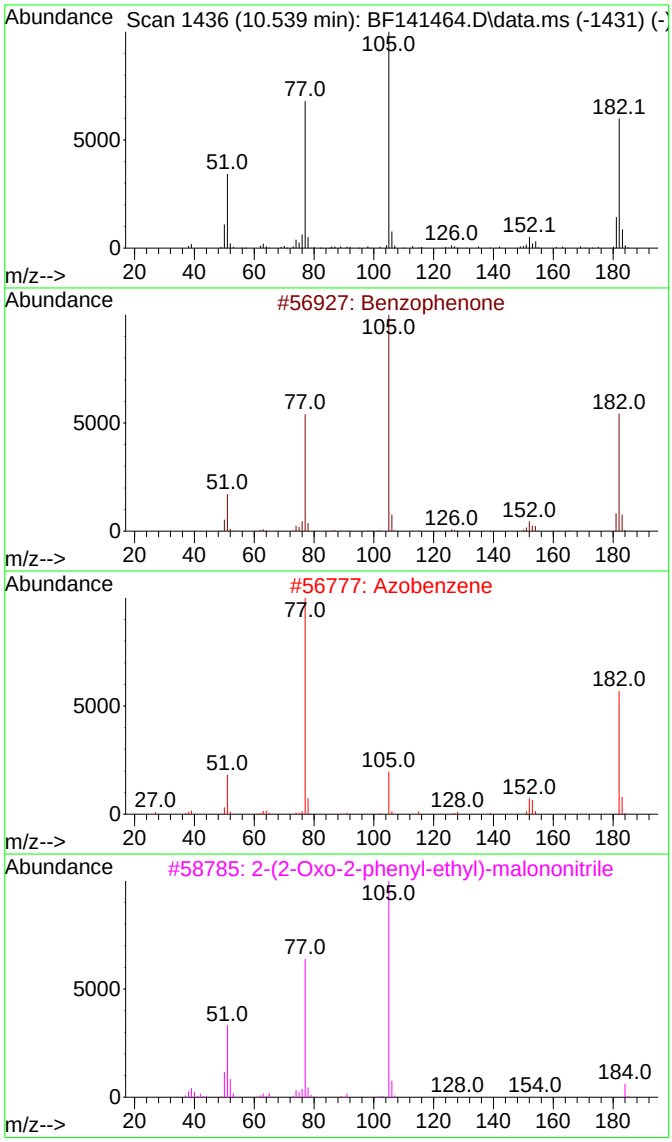
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

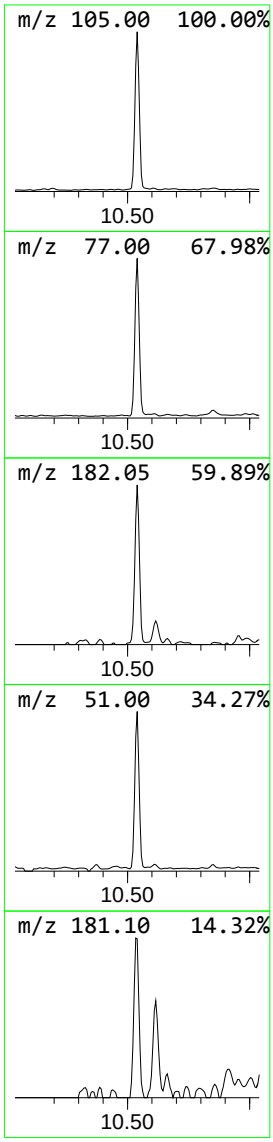
****

Peak Number 5 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	6.98 ng	153488	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
4	Benzilic acid	228	C14H12O3	000076-93-7	50
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

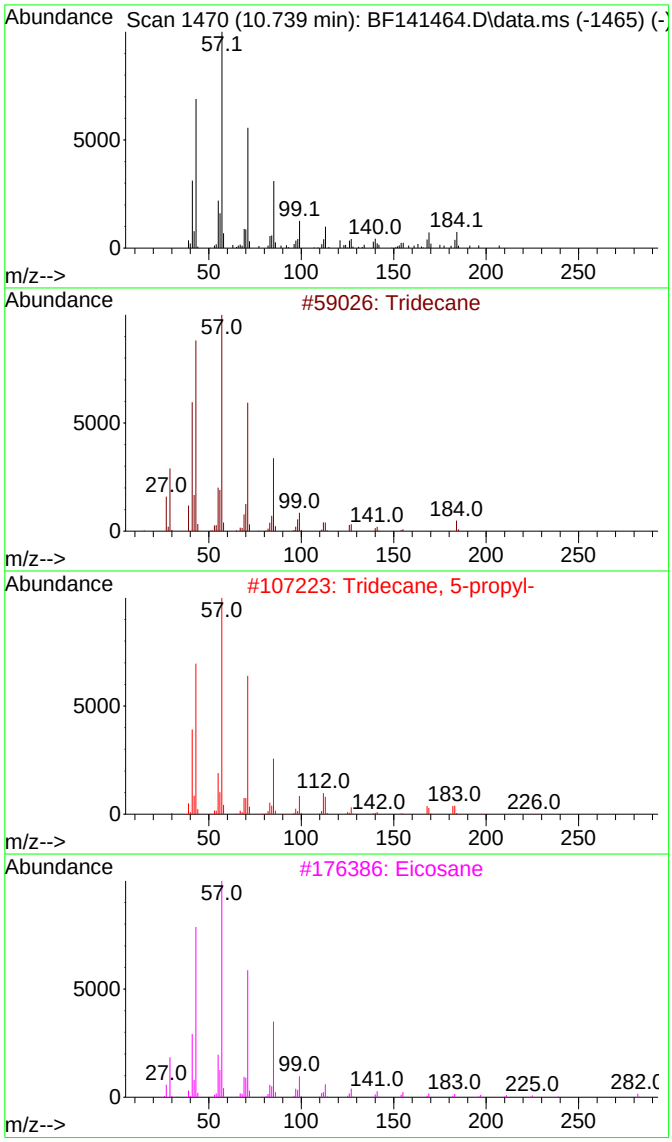
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

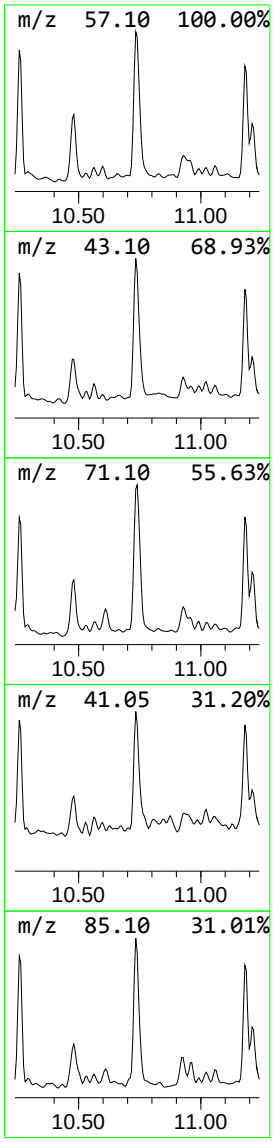
****

Peak Number 6 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	4.84 ng	118216	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3	Eicosane	282	C20H42	000112-95-8	80
4	Heptadecane	240	C17H36	000629-78-7	80
5	Dodecane	170	C12H26	000112-40-3	76





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Sample : Q1207-07
Misc :
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Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

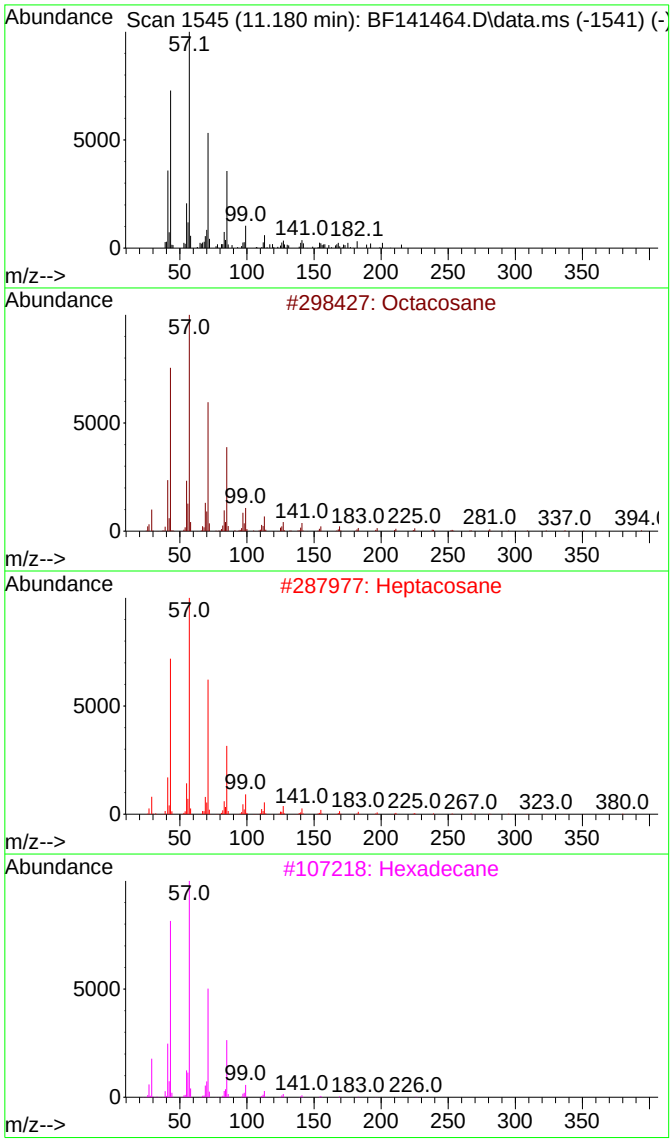
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

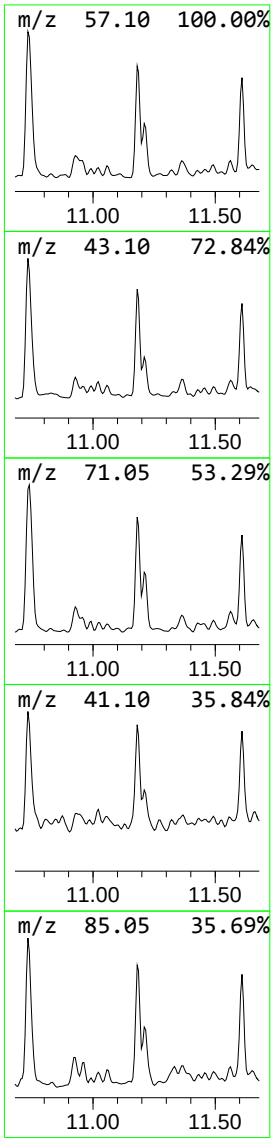
****

Peak Number 7 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.180	3.50 ng	85609	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	Heptacosane	380	C27H56	000593-49-7	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Octadecane	254	C18H38	000593-45-3	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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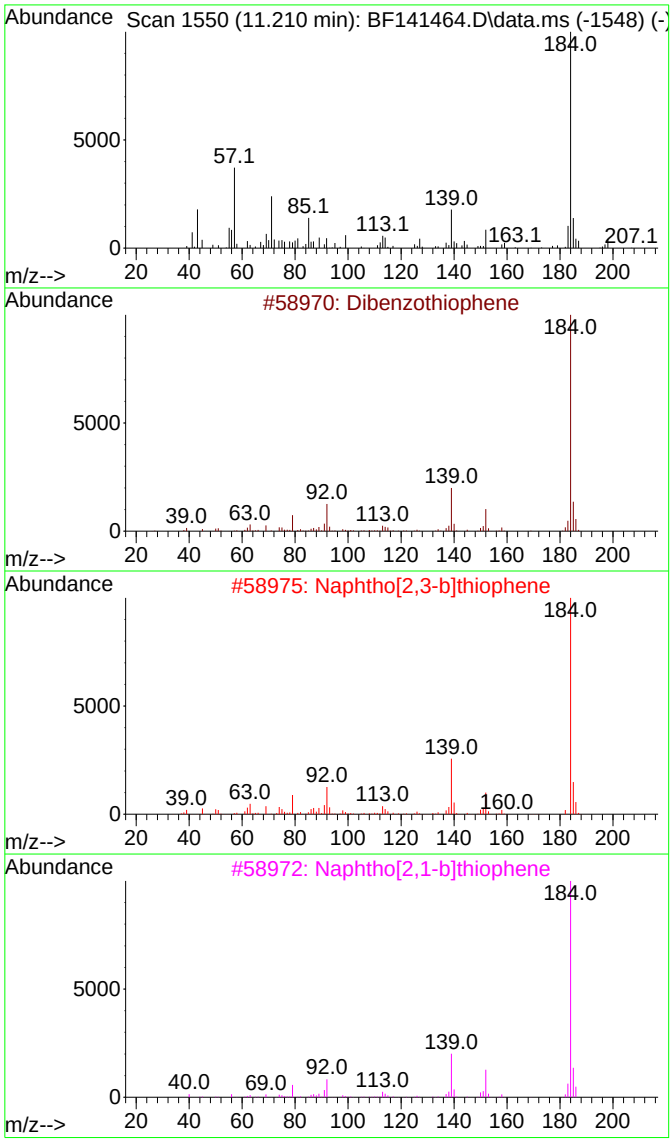
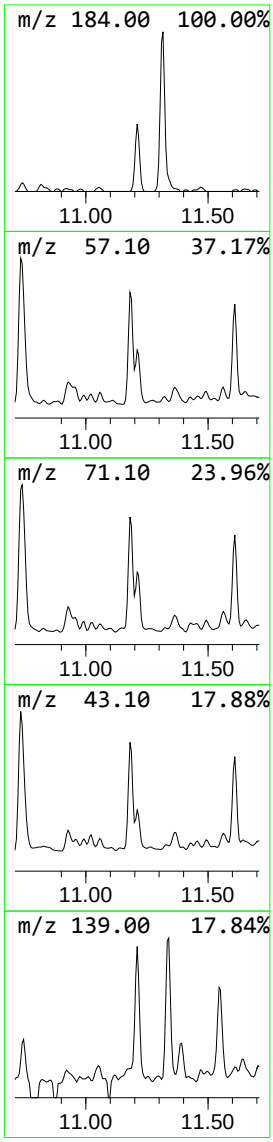
Peak Number 8 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	2.37 ng	57967	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	64
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	58
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	53
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	53
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	50





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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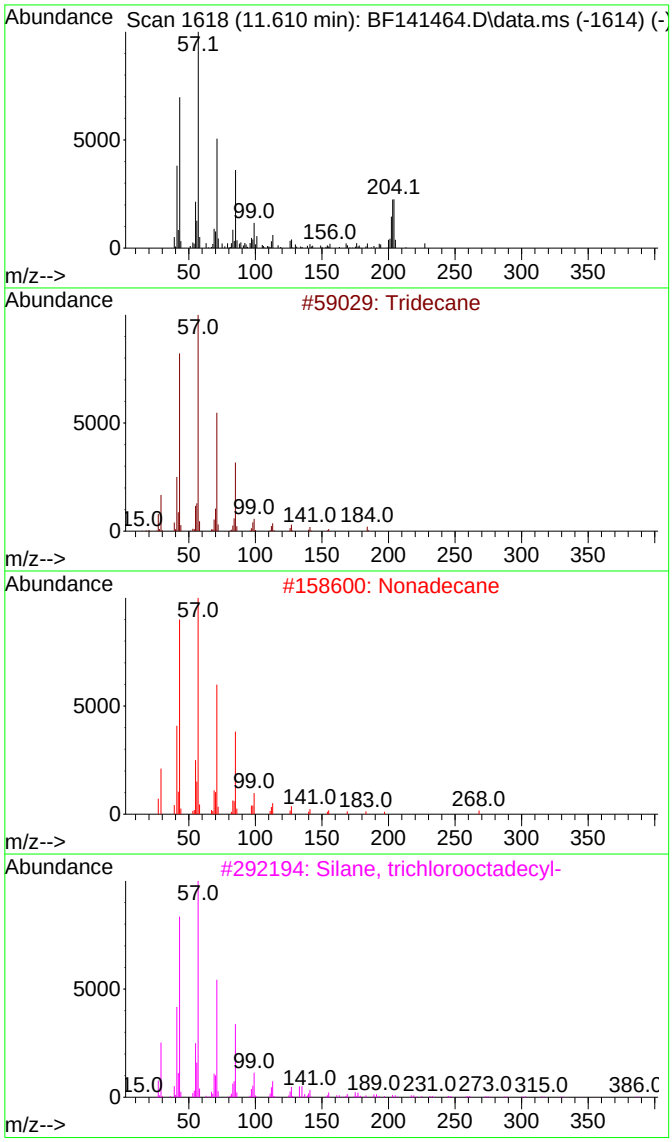
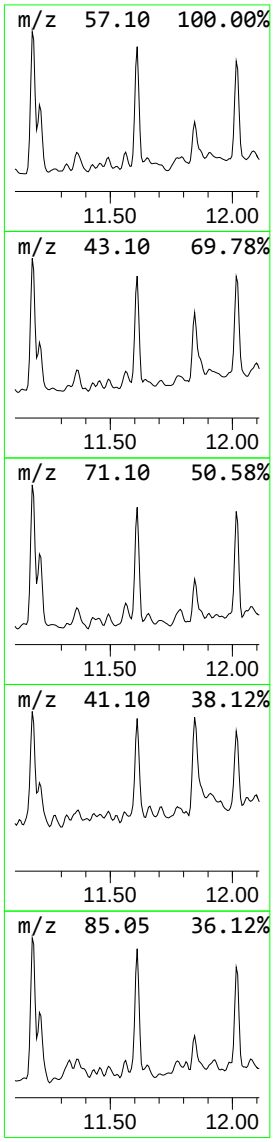
Peak Number 9 unknown11.610 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	2.39 ng	58327	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	49
2	Nonadecane	268	C19H40	000629-92-5	49
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	46
4	Heptacosane	380	C27H56	000593-49-7	46
5	Tetradecane	198	C14H30	000629-59-4	46





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Operator : RC/JU
Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

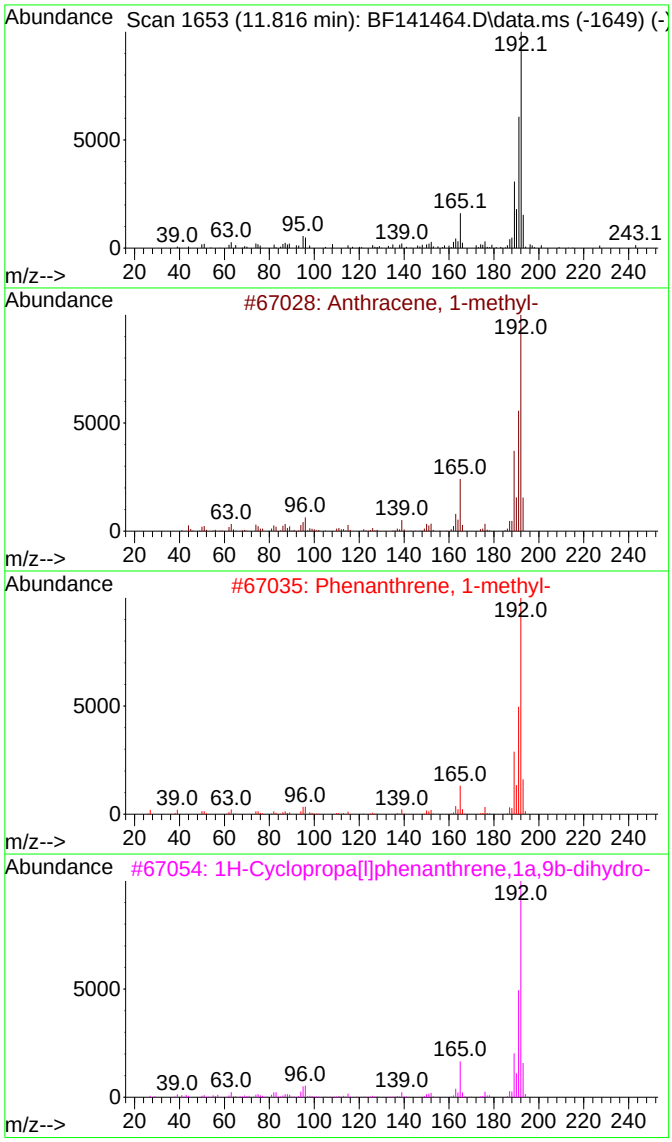
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

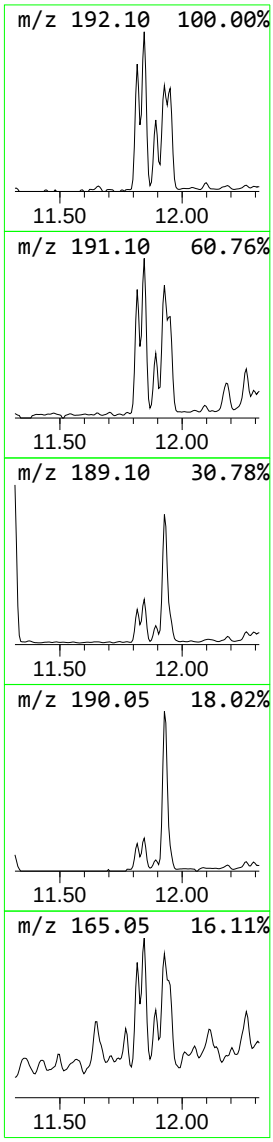
****

Peak Number 10 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	2.25 ng	55011	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Misc      :
ALS Vial  : 19   Sample Multiplier: 1

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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	4.54 ng	110811	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
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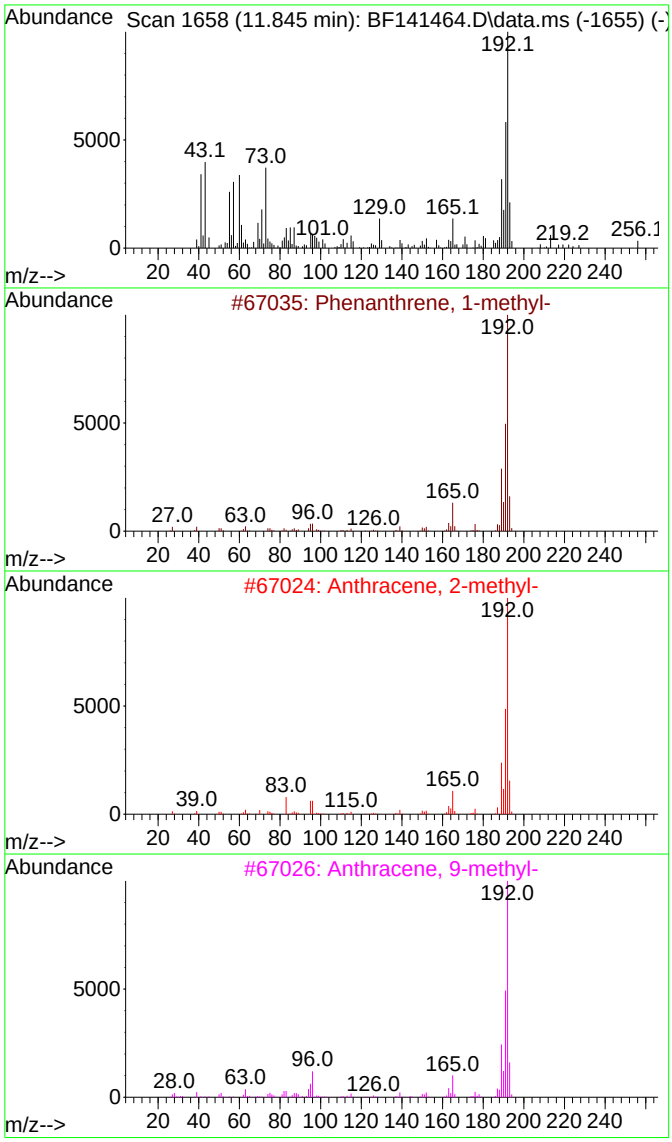

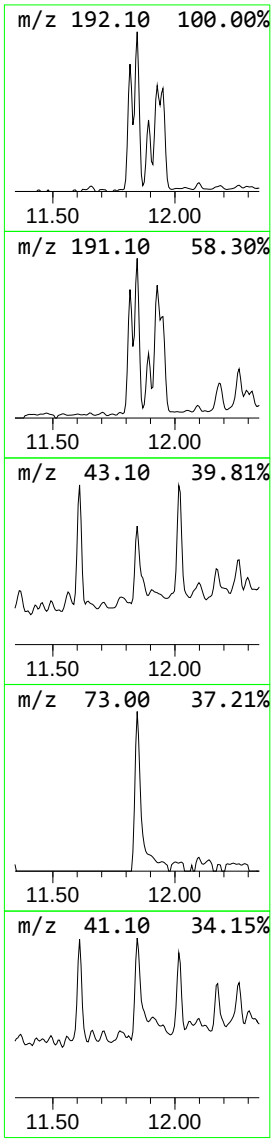

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Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

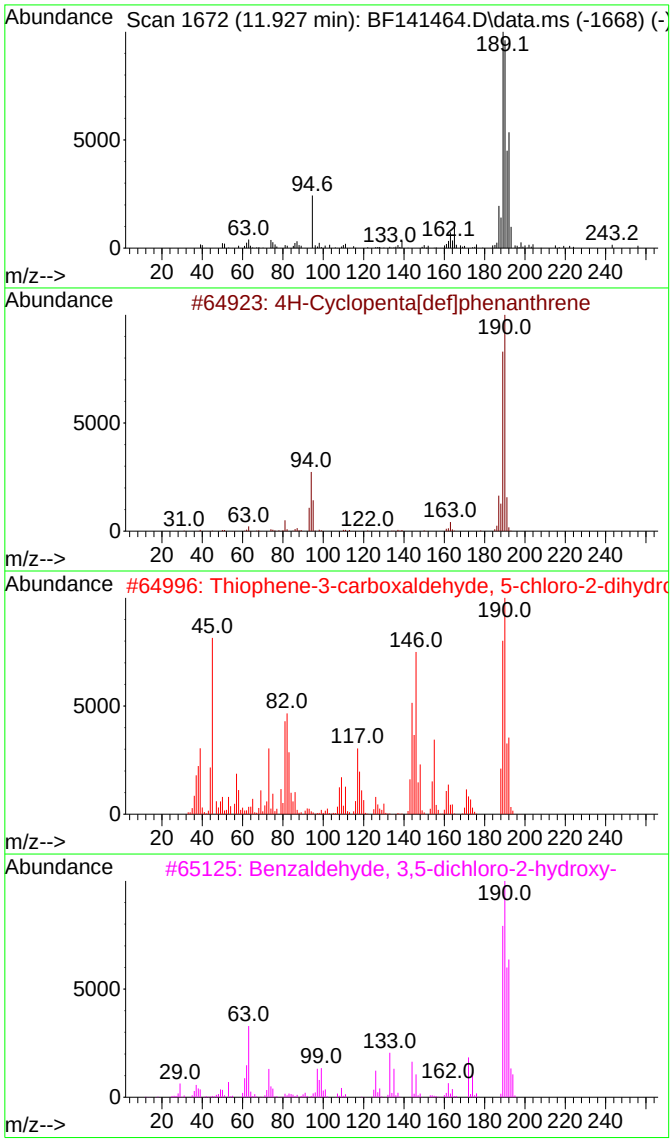
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

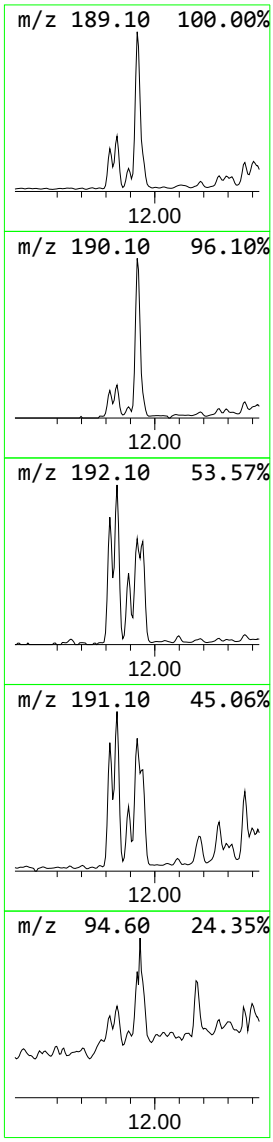
****

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	6.79 ng	165921	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	22
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22





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ClientSampleId :
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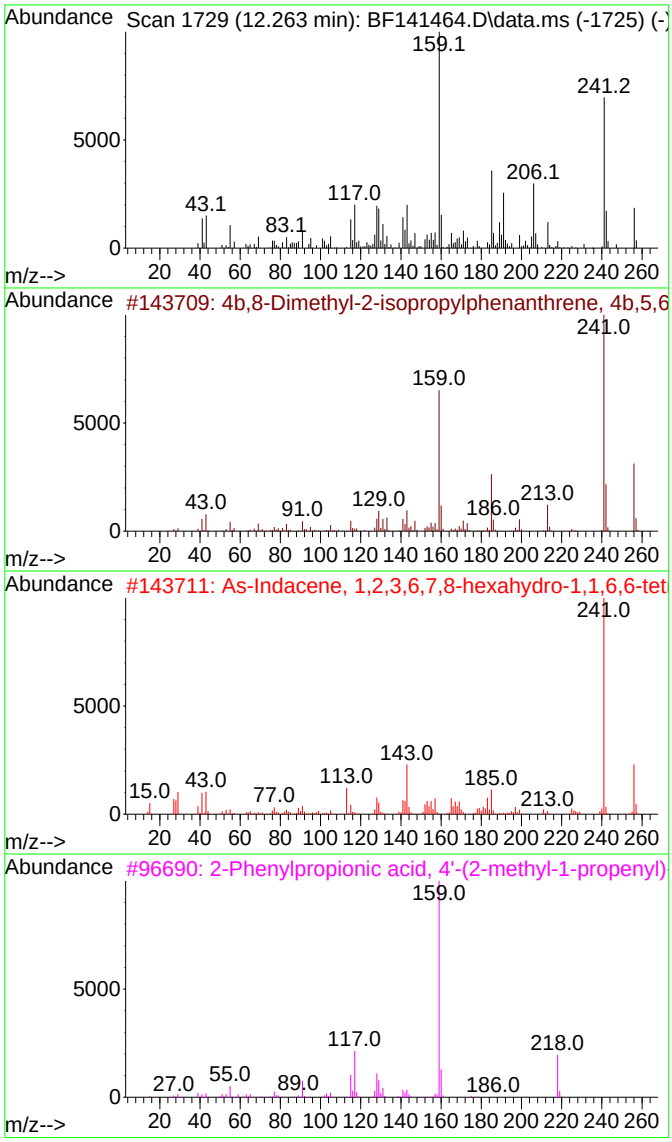
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

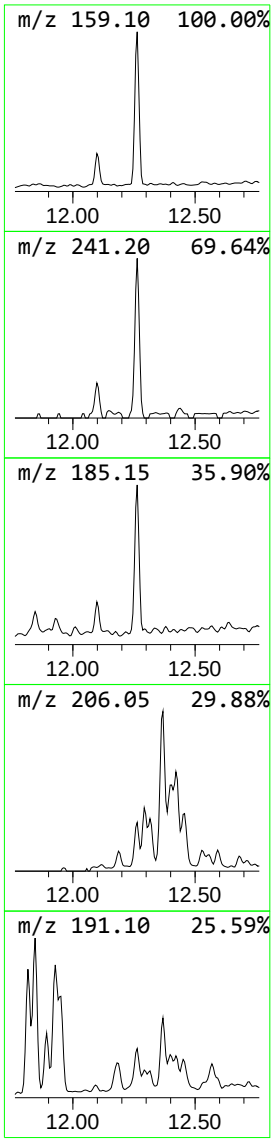
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4b,8-Dimethyl-2-isopropylph... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	3.23 ng	78880	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	41
3	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	38
4	Methyl 3-amino-2-cyano-3-(3-indo...	241	C13H11N3O2	018234-27-0	30
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	27





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Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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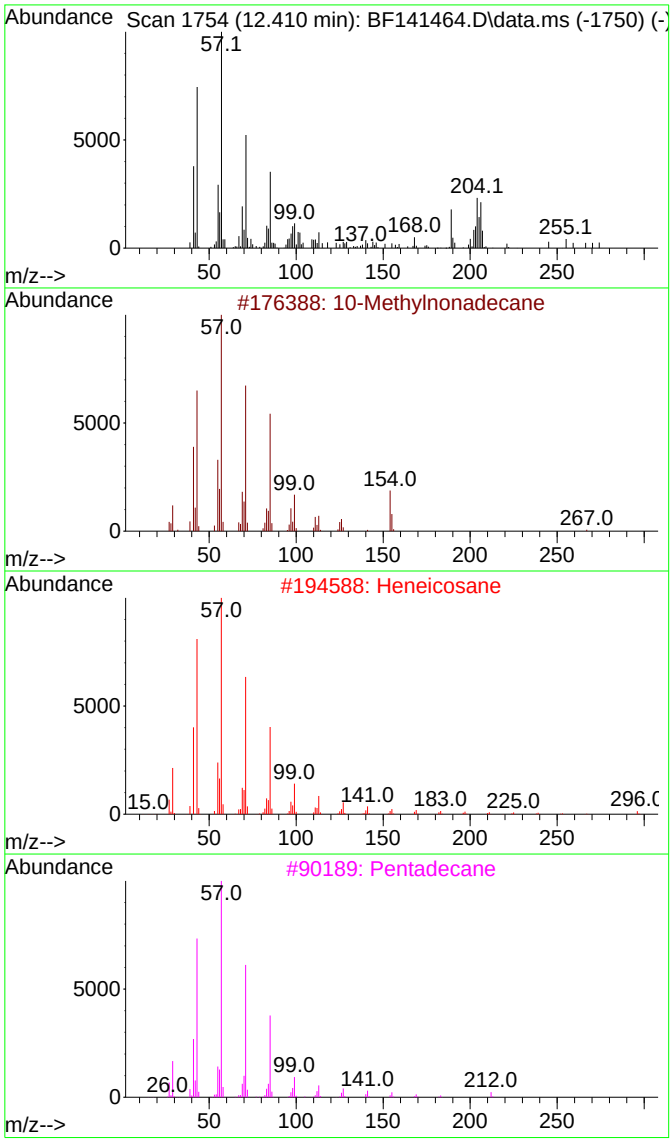
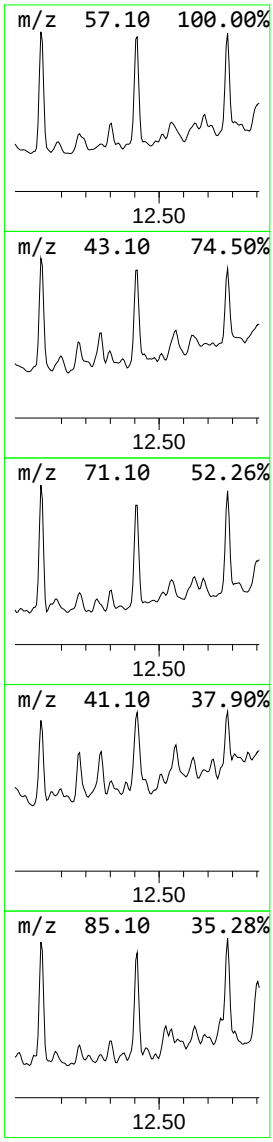
Peak Number 14 unknown12.410 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	3.29 ng	80369	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	43
2	Heneicosane	296	C21H44	000629-94-7	43
3	Pentadecane	212	C15H32	000629-62-9	43
4	Nonadecane	268	C19H40	000629-92-5	38
5	Octadecane	254	C18H38	000593-45-3	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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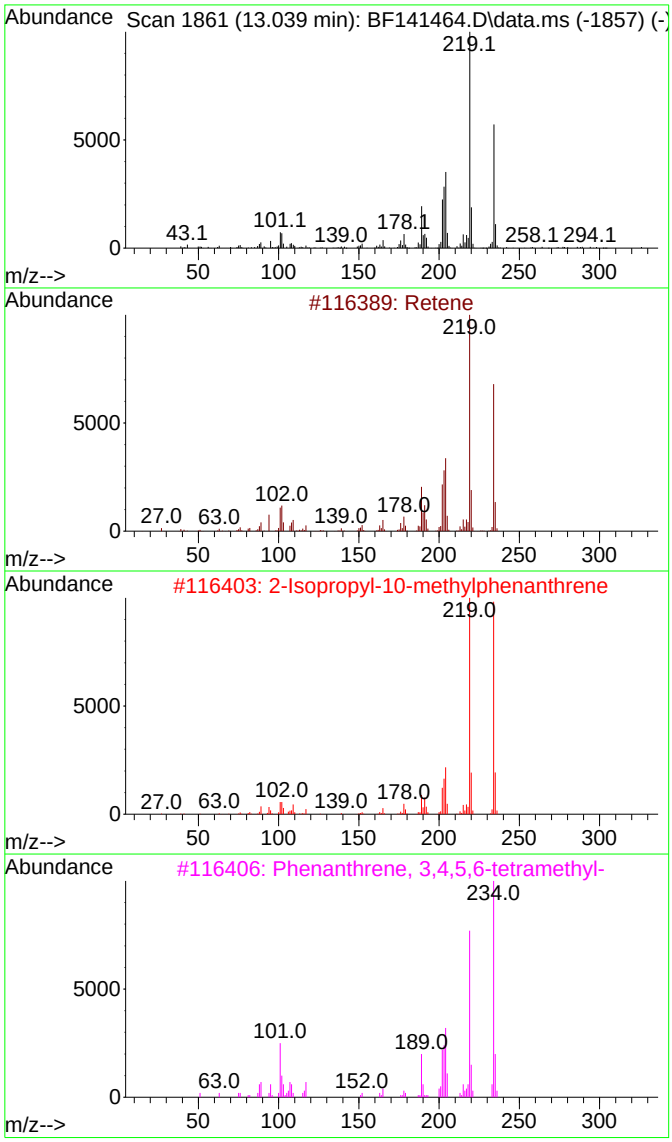
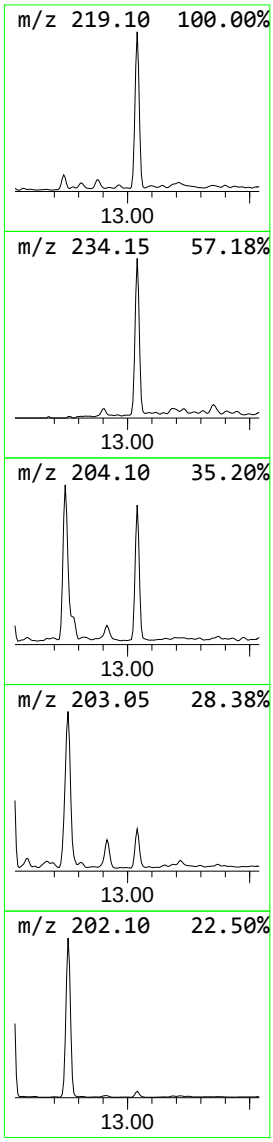
Peak Number 15 Retene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	5.59 ng	174654	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	90
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	72
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	60





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Sample : Q1207-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JPP-5.1-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
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Heptadecane	9.757	3.6	ng	79118	3	9.828	440101	20.0
2,6-Bis(chlorom...	10.028	2.1	ng	45237	3	9.828	440101	20.0
Tetradecane	10.257	3.8	ng	84174	3	9.828	440101	20.0
Benzophenone	10.539	7.0	ng	153488	3	9.828	440101	20.0
Tridecane	10.739	4.8	ng	118216	4	11.316	488570	20.0
Octacosane	11.180	3.5	ng	85609	4	11.316	488570	20.0
Dibenzothiophene	11.210	2.4	ng	57967	4	11.316	488570	20.0
unknown11.610	11.610	2.4	ng	58327	4	11.316	488570	20.0
Anthracene, 1-m...	11.816	2.3	ng	55011	4	11.316	488570	20.0
Phenanthrene, 1...	11.845	4.5	ng	110811	4	11.316	488570	20.0
4H-Cyclopenta[d...	11.927	6.8	ng	165921	4	11.316	488570	20.0
4b,8-Dimethyl-2...	12.263	3.2	ng	78880	4	11.316	488570	20.0
unknown12.410	12.410	3.3	ng	80369	4	11.316	488570	20.0
Retene	13.039	5.6	ng	174654	5	13.957	624722	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-4.5-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141463.D	1	01/29/25 08:40	02/05/25 22:23	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	U	220	400	ug/Kg
108-95-2	Phenol	210	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	210	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	210	U	100	210	ug/Kg
95-48-7	2-Methylphenol	210	U	98.7	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	110	210	ug/Kg
98-86-2	Acetophenone	210	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	400	U	97.7	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	97.9	U	49.3	97.9	ug/Kg
67-72-1	Hexachloroethane	210	U	100	210	ug/Kg
98-95-3	Nitrobenzene	210	U	110	210	ug/Kg
78-59-1	Isophorone	210	U	100	210	ug/Kg
88-75-5	2-Nitrophenol	210	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	210	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	92.4	210	ug/Kg
91-20-3	Naphthalene	210	U	100	210	ug/Kg
106-47-8	4-Chloroaniline	210	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	210	U	100	210	ug/Kg
105-60-2	Caprolactam	400	U	110	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	210	U	94.9	210	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	UQ	190	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	210	U	87.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	210	U	90.6	210	ug/Kg
92-52-4	1,1-Biphenyl	210	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	210	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	210	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	210	U	100	210	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-4.5-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141463.D	1	01/29/25 08:40	02/05/25 22:23	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	210	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	210	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	210	U	110	210	ug/Kg
83-32-9	Acenaphthene	110	J	99.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	400	U	300	400	ug/Kg
100-02-7	4-Nitrophenol	400	U	140	400	ug/Kg
132-64-9	Dibenzofuran	210	U	100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	210	U	110	210	ug/Kg
84-66-2	Diethylphthalate	210	U	98.1	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	210	U	100	210	ug/Kg
86-73-7	Fluorene	110	J	100	210	ug/Kg
100-01-6	4-Nitroaniline	210	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400	U	140	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	99.9	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	210	U	96.6	210	ug/Kg
118-74-1	Hexachlorobenzene	210	U	100	210	ug/Kg
1912-24-9	Atrazine	210	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	400	U	94.6	400	ug/Kg
85-01-8	Phenanthrene	1000		100	210	ug/Kg
120-12-7	Anthracene	350		100	210	ug/Kg
86-74-8	Carbazole	210	U	98.3	210	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	100	210	ug/Kg
206-44-0	Fluoranthene	1600		100	210	ug/Kg
129-00-0	Pyrene	990		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	400	U	120	400	ug/Kg
56-55-3	Benzo(a)anthracene	600		98.8	210	ug/Kg
218-01-9	Chrysene	500		97.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	400	U	130	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	640		99.3	210	ug/Kg

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Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-4.5-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141463.D	1	01/29/25 08:40	02/05/25 22:23	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	330		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	580		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		95.6	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	99.4	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	320		98.1	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	210	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	210	U	130	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	210	U	91.5	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	66.7		18 - 112	44%	SPK: 150
13127-88-3	Phenol-d6	60.8		15 - 107	41%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.7		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.5		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.1		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	41.0		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64300	6.787			
1146-65-2	Naphthalene-d8	225000	8.069			
15067-26-2	Acenaphthene-d10	102000	9.828			
1517-22-2	Phenanthrene-d10	169000	11.316			
1719-03-5	Chrysene-d12	143000	13.963			
1520-96-3	Perylene-d12	104000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
001120-72-5	Cyclopentanone, 2-methyl-	430	J		5.66	ug/Kg
	unknown6.857	180	J		6.86	ug/Kg
000629-50-5	Tridecane	210	J		8.66	ug/Kg
000629-59-4	Tetradecane	300	J		9.23	ug/Kg
007659-86-1	2-Ethylhexyl mercaptoacetate	330	J		9.42	ug/Kg
074645-98-0	Dodecane, 2,7,10-trimethyl-	200	J		9.54	ug/Kg
000544-76-3	Hexadecane	270	J		9.76	ug/Kg

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Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-4.5-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141463.D	1	01/29/25 08:40	02/05/25 22:23	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-92-5	Nonadecane	310	J		10.3	ug/Kg
000112-95-8	Eicosane	210	J		10.5	ug/Kg
000119-61-9	Benzophenone	300	J		10.5	ug/Kg
006418-43-5	Hexadecane, 3-methyl-	770	J		10.7	ug/Kg
004292-19-7	Dodecane, 1-iodo-	230	J		11.2	ug/Kg
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	300	J		11.2	ug/Kg
000629-78-7	Heptadecane	170	J		11.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	460	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	580	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	320	J		12.1	ug/Kg
002221-95-6	(1S,4aS,4bS,7S,8aS,10aS)-7-Isoprop	370	J		12.2	ug/Kg
301643-35-6	Naphthalene, 6-ethyl-1,2,3,4-tetra	2300	J		12.3	ug/Kg
000483-65-8	Retene	2000	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 06 01:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.787	152	64317	20.000	ng		-0.02
21) Naphthalene-d8	8.069	136	224656	20.000	ng		-0.02
39) Acenaphthene-d10	9.828	164	101868	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	168524	20.000	ng		-0.01
76) Chrysene-d12	13.963	240	142671	20.000	ng		-0.01
86) Perylene-d12	15.421	264	103713	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	279632	66.746	ng		0.00
7) Phenol-d6	6.428	99	324085	60.809	ng		-0.01
23) Nitrobenzene-d5	7.351	82	207722	48.743	ng		-0.02
42) 2,4,6-Tribromophenol	10.616	330	60761	65.062	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	334092	50.480	ng		-0.02
79) Terphenyl-d14	12.904	244	379527	41.025	ng		-0.01
Target Compounds							Qvalue
52) Acenaphthene	9.857	154	16316	2.635	ng		91
58) Fluorene	10.375	166	16921	2.632	ng	#	91
71) Phenanthrene	11.339	178	223918	24.718	ng		100
72) Anthracene	11.386	178	75661	8.524	ng		98
75) Fluoranthene	12.527	202	355598	39.756	ng		98
78) Pyrene	12.757	202	333381	24.343	ng		98
81) Benzo(a)anthracene	13.951	228	144755	14.703	ng		97
83) Chrysene	13.986	228	111551	12.363	ng		96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15617	2.573	ng	#	88
87) Indeno(1,2,3-cd)pyrene	16.862	276	40993	6.124	ng	#	90
88) Benzo(b)fluoranthene	15.004	252	101975m	15.631	ng		
89) Benzo(k)fluoranthene	15.015	252	46247m	8.002	ng		
90) Benzo(a)pyrene	15.363	252	78640	14.265	ng	#	90
92) Benzo(g,h,i)perylene	17.304	276	43228	7.720	ng		94

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

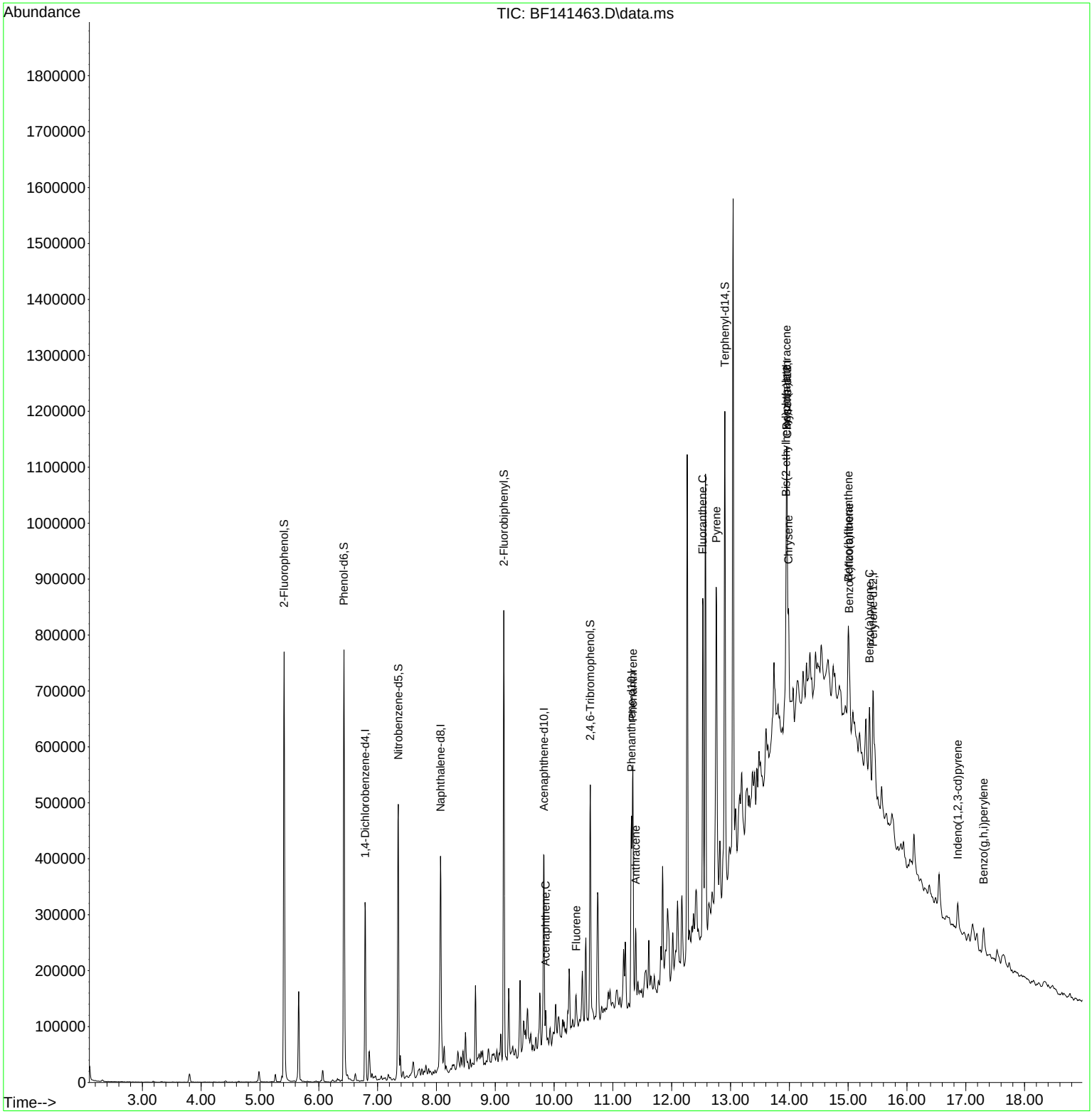
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

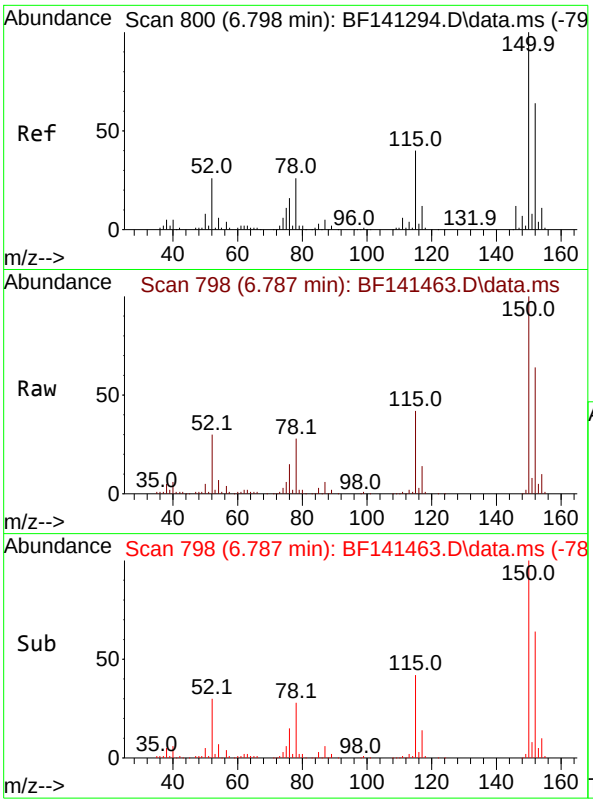
Quant Time: Feb 06 01:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

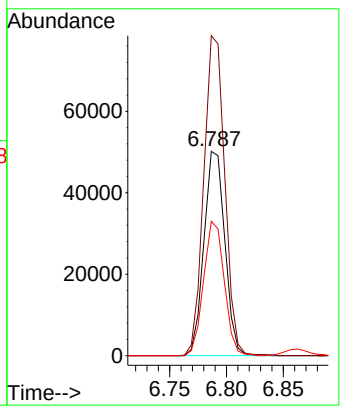




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:152 Resp: 6431

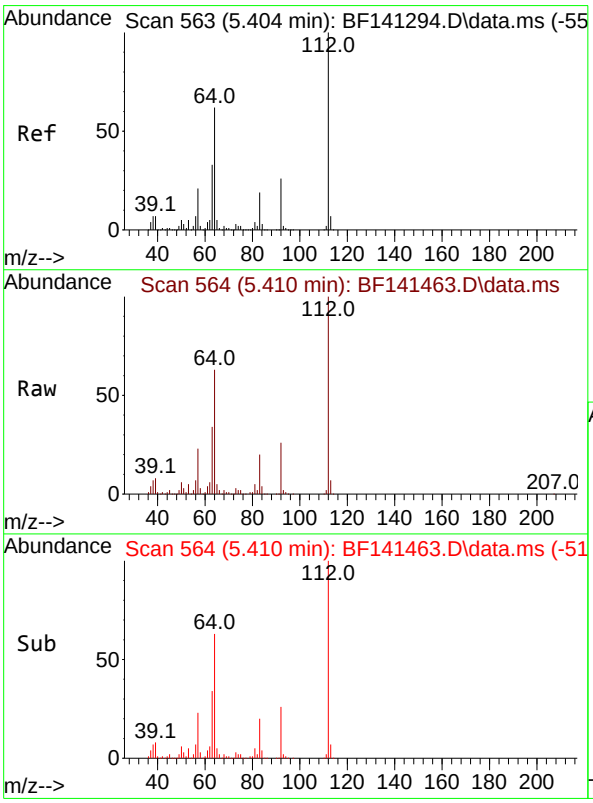
Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.9	188.9
115	65.7	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations
APPROVED

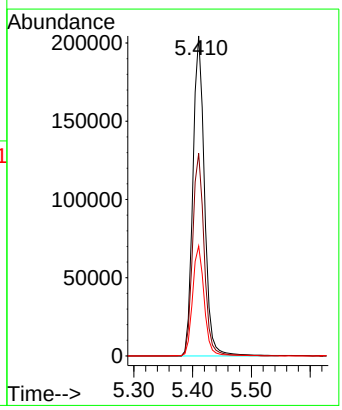
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

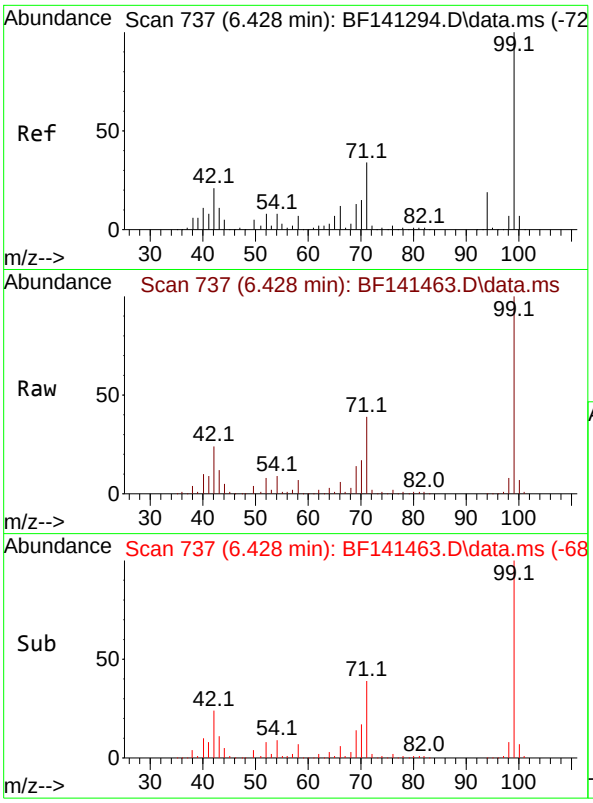


#5
2-Fluorophenol
Concen: 66.746 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:112 Resp: 279632

Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.8	74.8
63	34.3	26.1	39.1

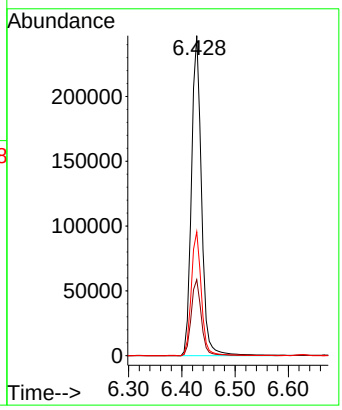




#7
Phenol-d6
Concen: 60.809 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion: 99 Resp: 32408

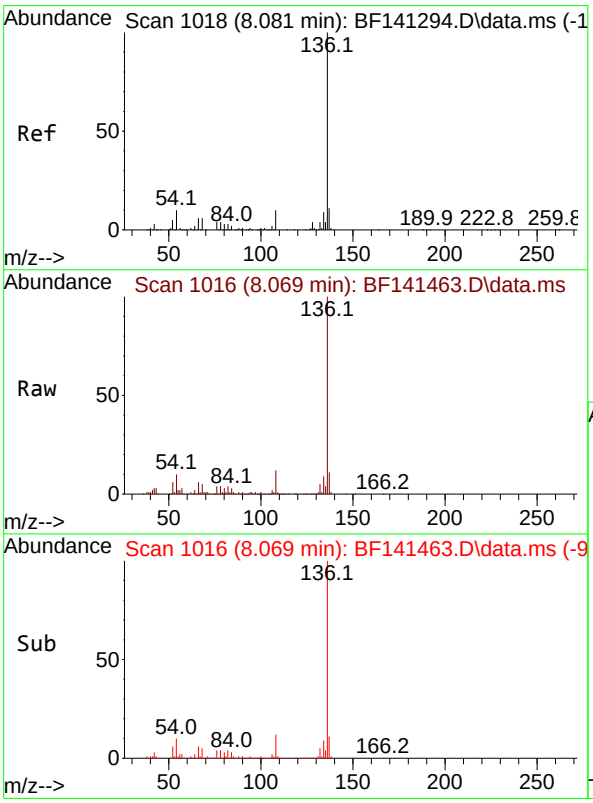
Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.1	25.7
71	38.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations
APPROVED

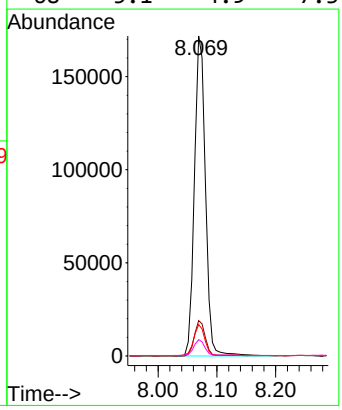
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

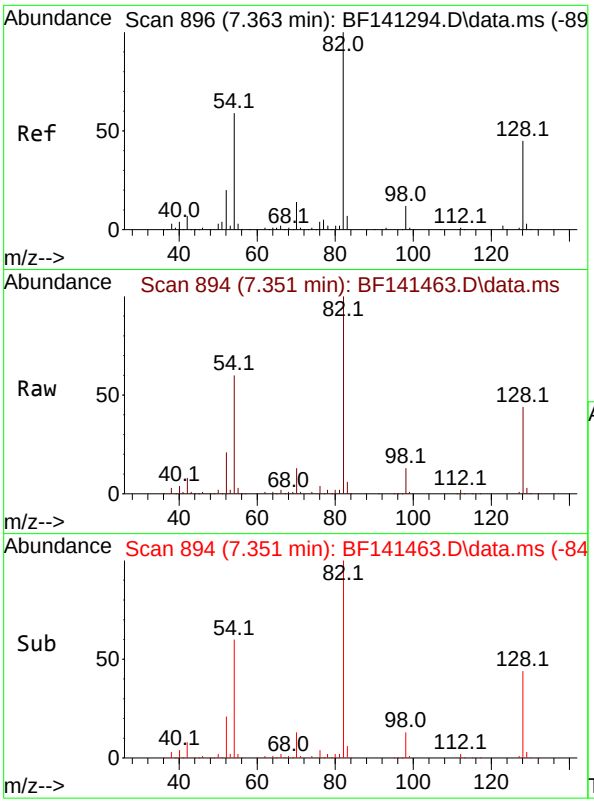


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:136 Resp: 224656

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.8	7.8	11.8
68	5.1	4.9	7.3

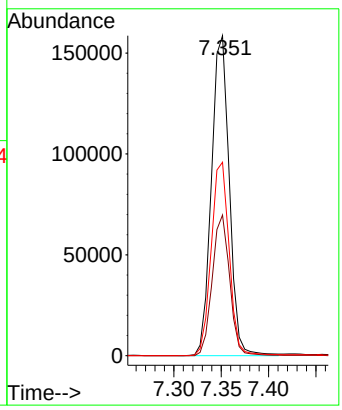




#23
Nitrobenzene-d5
Concen: 48.743 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion: 82 Resp: 20772

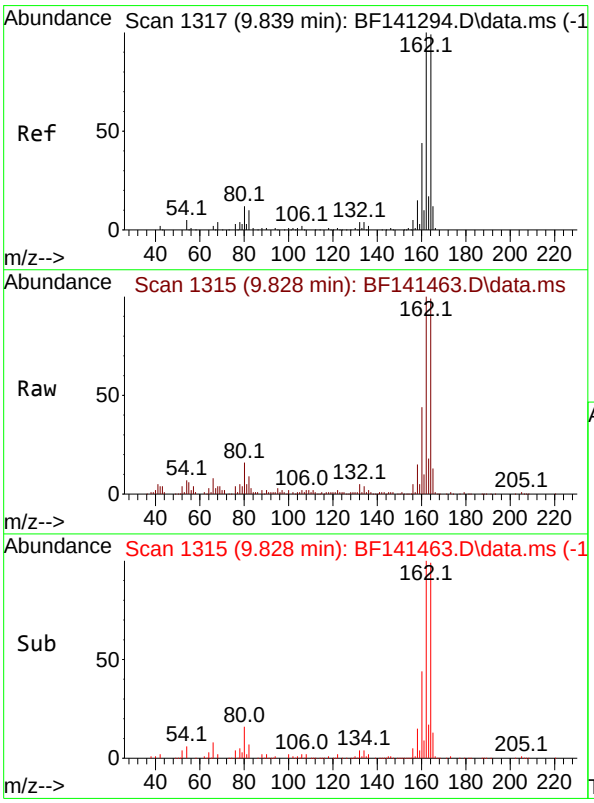
Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	60.4	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations
APPROVED

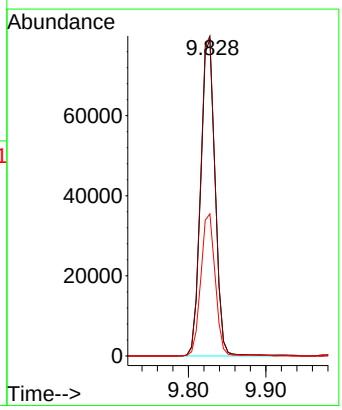
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

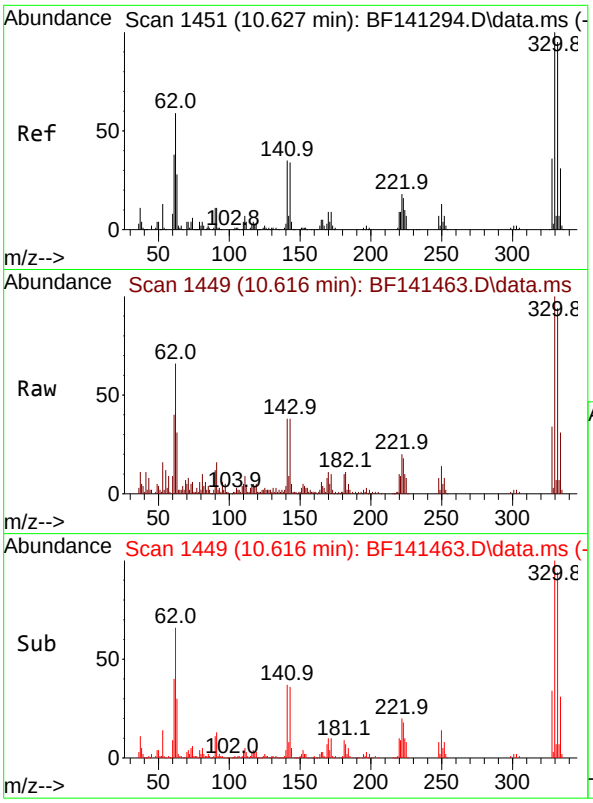


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:164 Resp: 101868

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	121.0
160	44.9	35.8	53.6

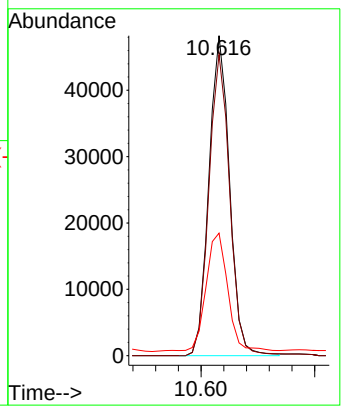




#42
2,4,6-Tribromophenol
Concen: 65.062 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:330 Resp: 6076

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.1	114.1
141	39.4	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
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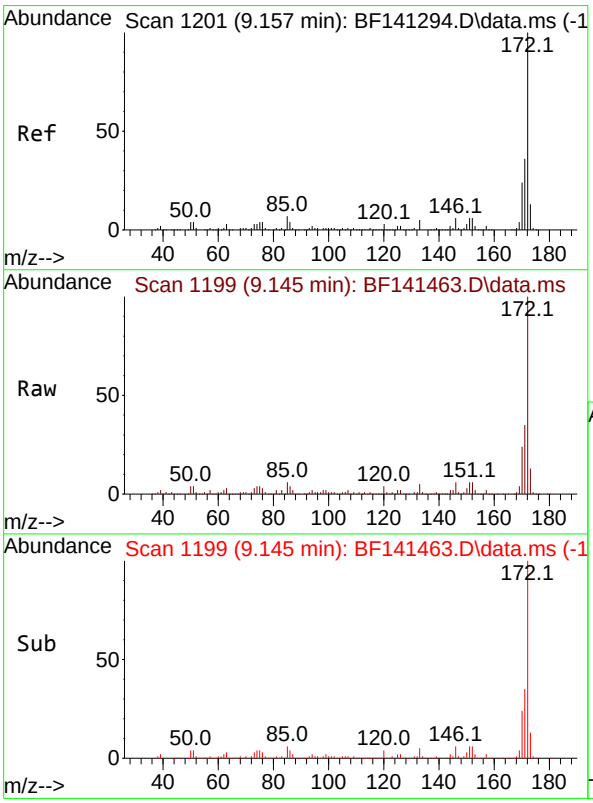
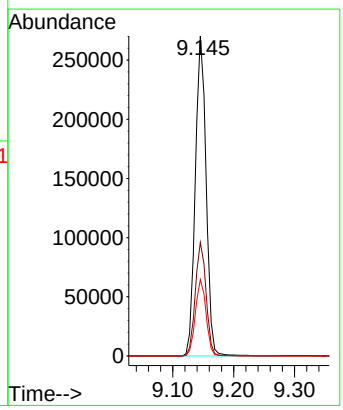
Supervised By :mohammad ahmed 02/06/2025

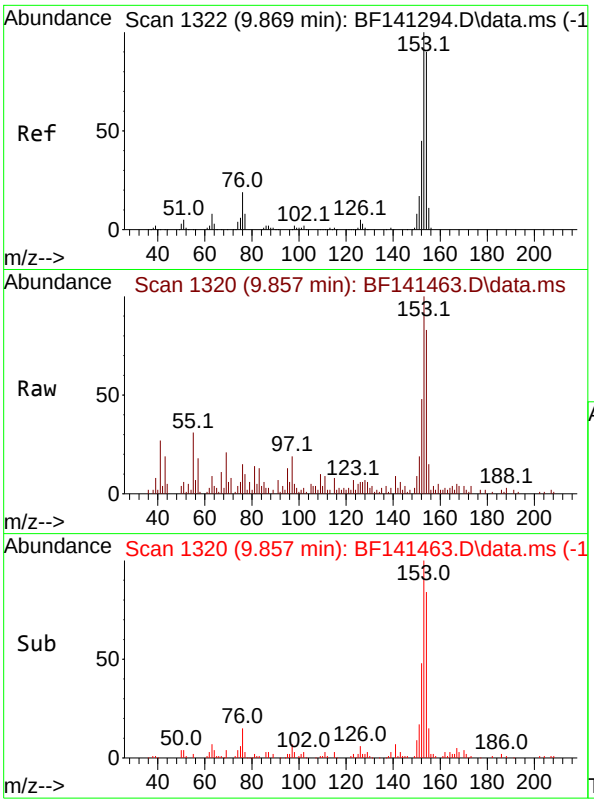


#45
2-Fluorobiphenyl
Concen: 50.480 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:172 Resp: 334092

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.8	19.0	28.6

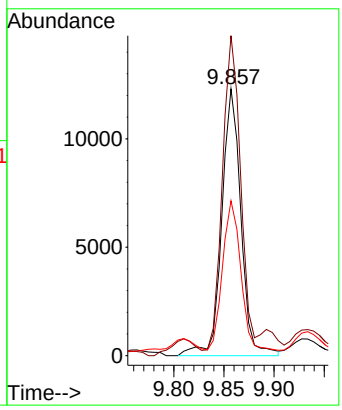




#52
Acenaphthene
Concen: 2.635 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:154 Resp: 1631

Ion	Ratio	Lower	Upper
154	100		
153	119.9	89.0	133.4
152	58.0	40.2	60.4



Instrument :
BNA_F
ClientSampleId :
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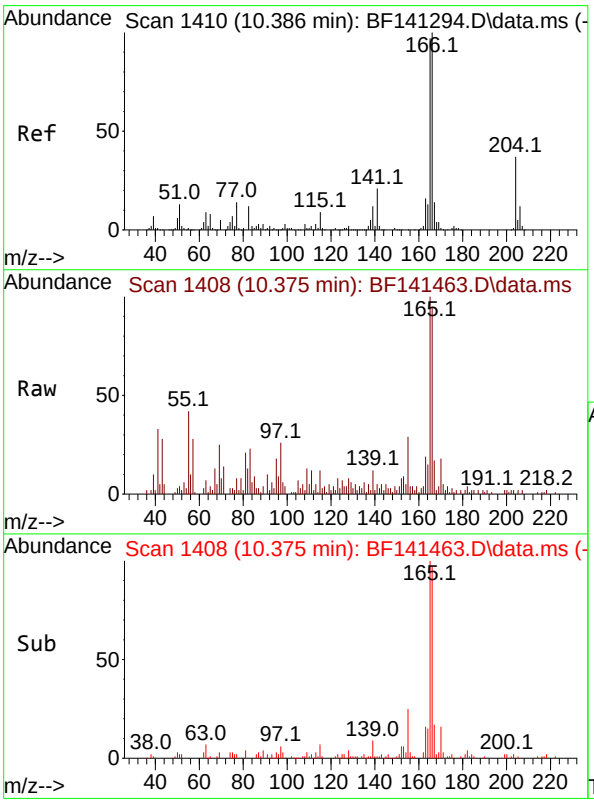
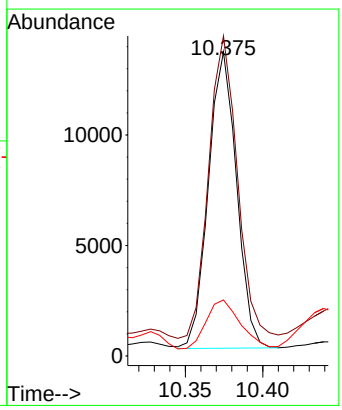
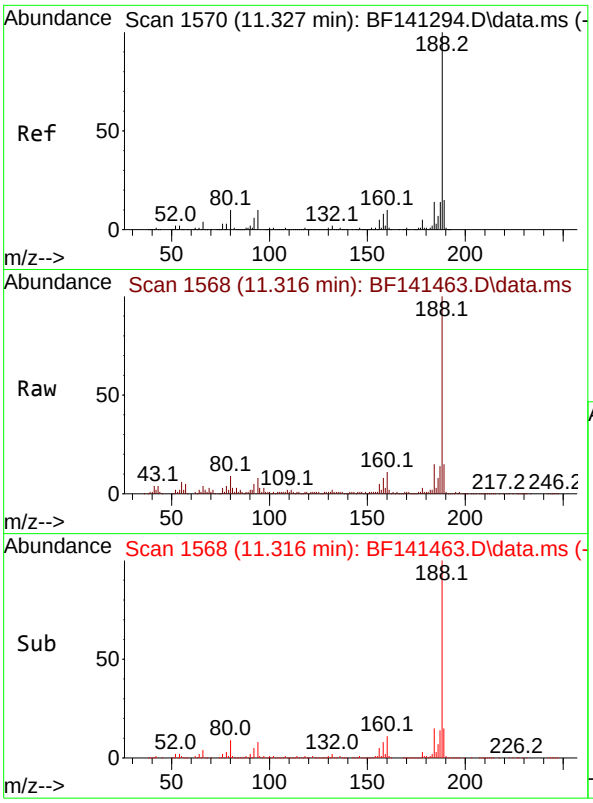


#58
Fluorene
Concen: 2.632 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:166 Resp: 16921

Ion	Ratio	Lower	Upper
166	100		
165	105.2	77.5	116.3
167	18.4	10.9	16.3#

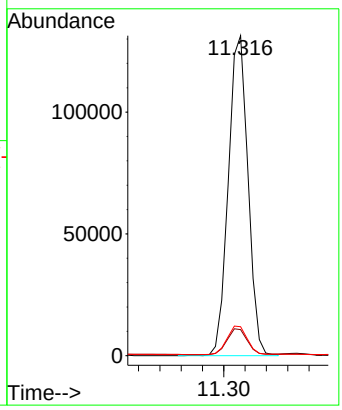




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:188 Resp: 16852

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.8	11.6
80	9.0	8.2	12.4



Instrument :
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ClientSampleId :
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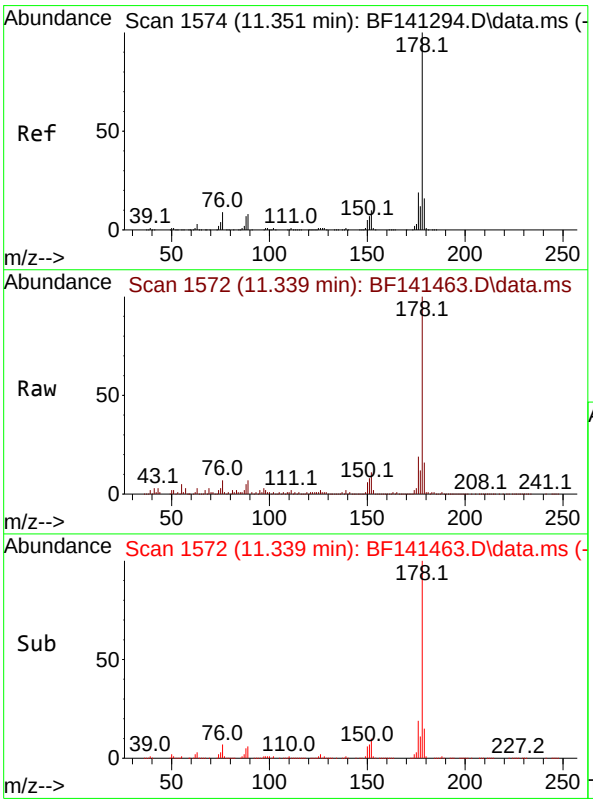
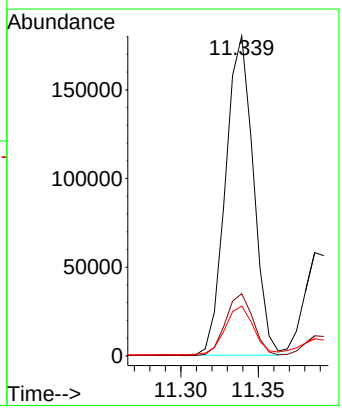
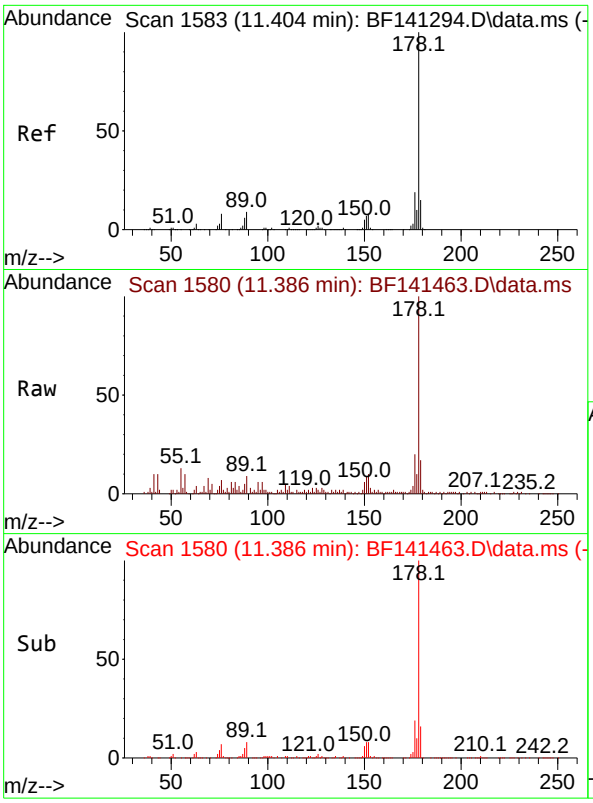


#71
Phenanthrene
Concen: 24.718 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:178 Resp: 223918

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.5	18.7

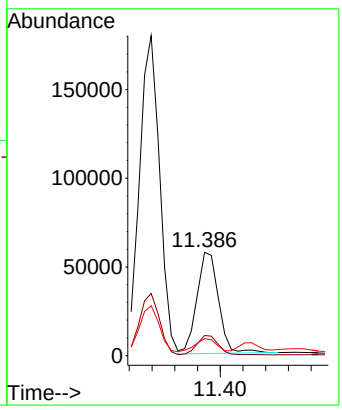




#72
Anthracene
Concen: 8.524 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:178 Resp: 7566

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.6
179	16.5	12.3	18.5



Instrument :
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ClientSampleId :
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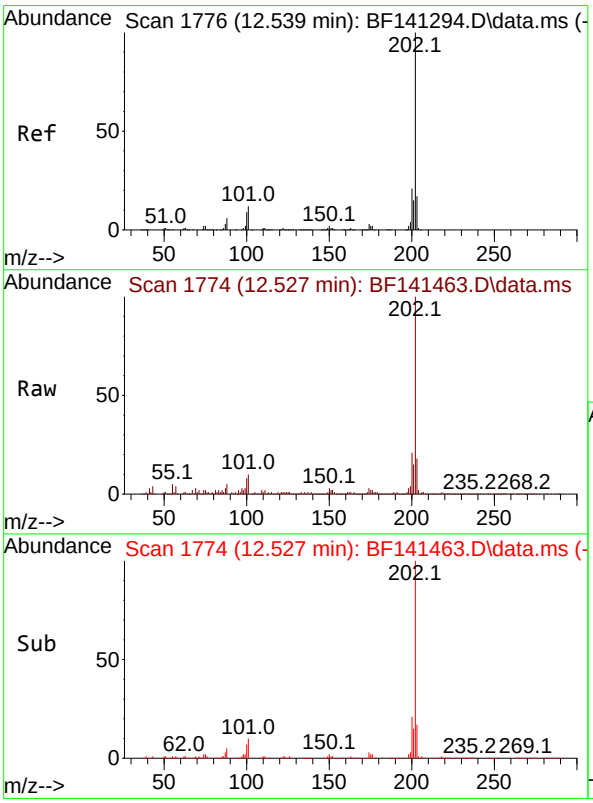
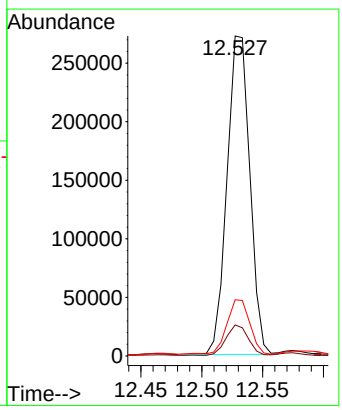
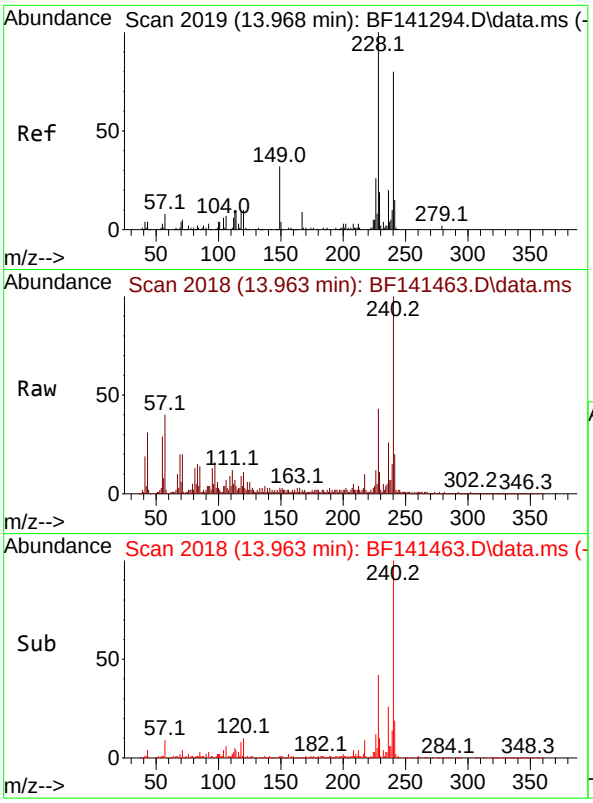


#75
Fluoranthene
Concen: 39.756 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:202 Resp: 355598

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	31.7
203	17.5	0.0	37.5

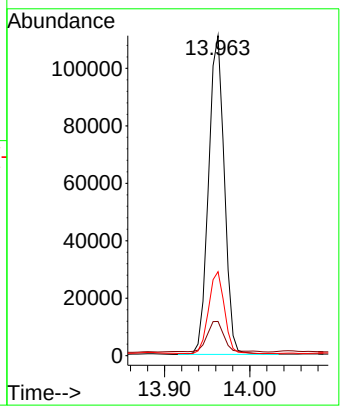




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:240 Resp: 14267

Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.0	15.0
236	26.3	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
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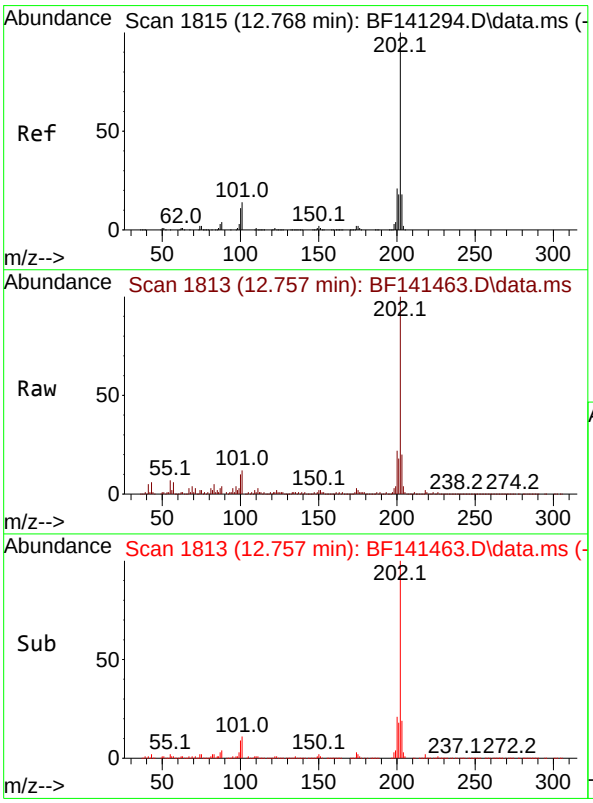
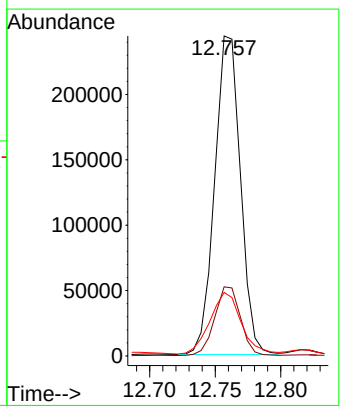
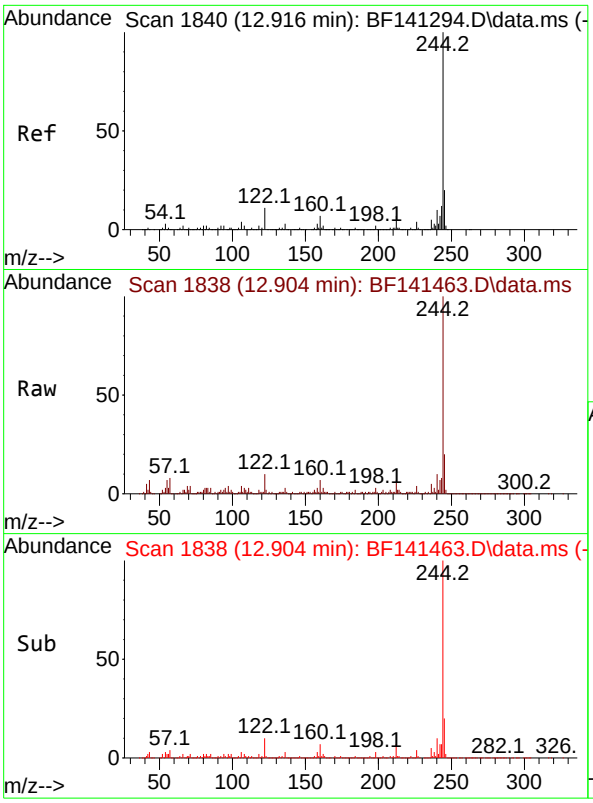


#78
Pyrene
Concen: 24.343 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:202 Resp: 333381

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	19.9	14.3	21.5

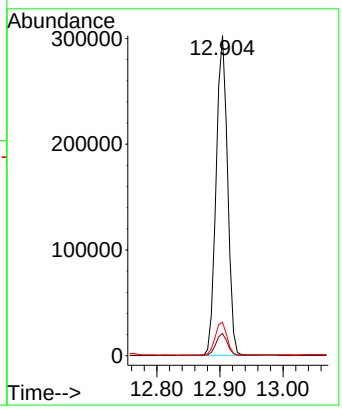




#79
Terphenyl-d14
Concen: 41.025 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:244 Resp: 37952

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
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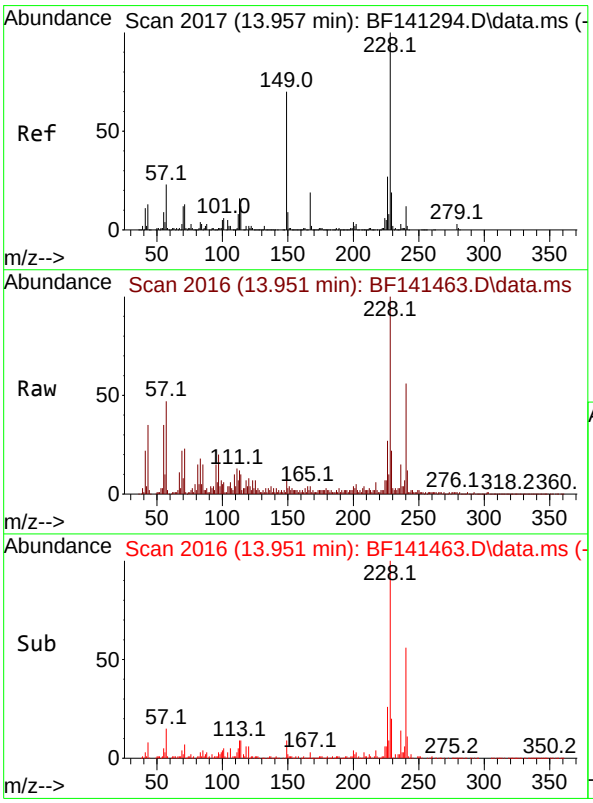
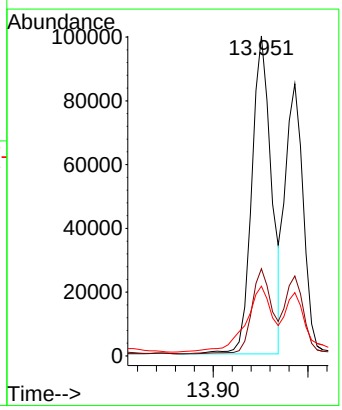
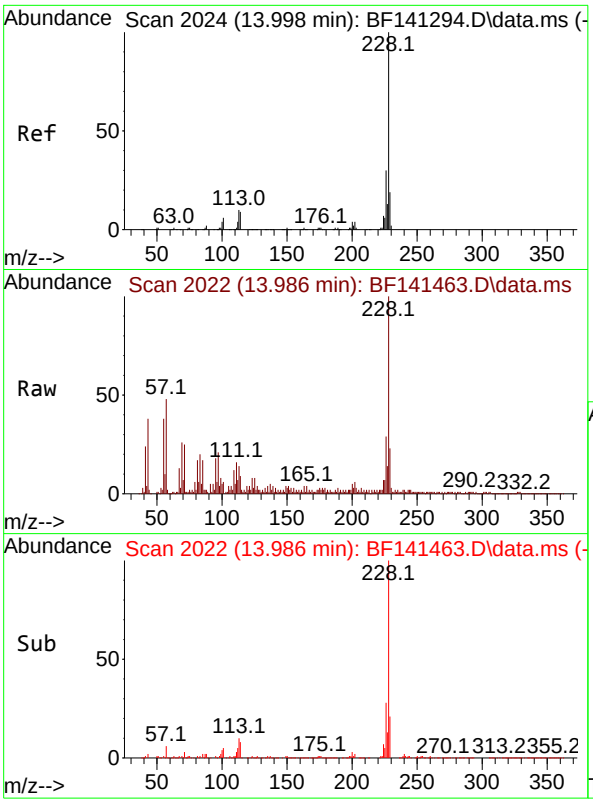


#81
Benzo(a)anthracene
Concen: 14.703 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:228 Resp: 144755

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	21.8	15.5	23.3





#83
Chrysene
Concen: 12.363 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Tgt Ion:228 Resp: 11155

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	23.3	15.6	23.4

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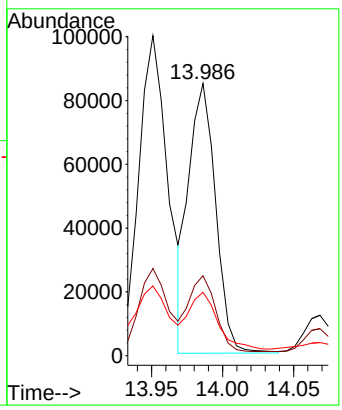
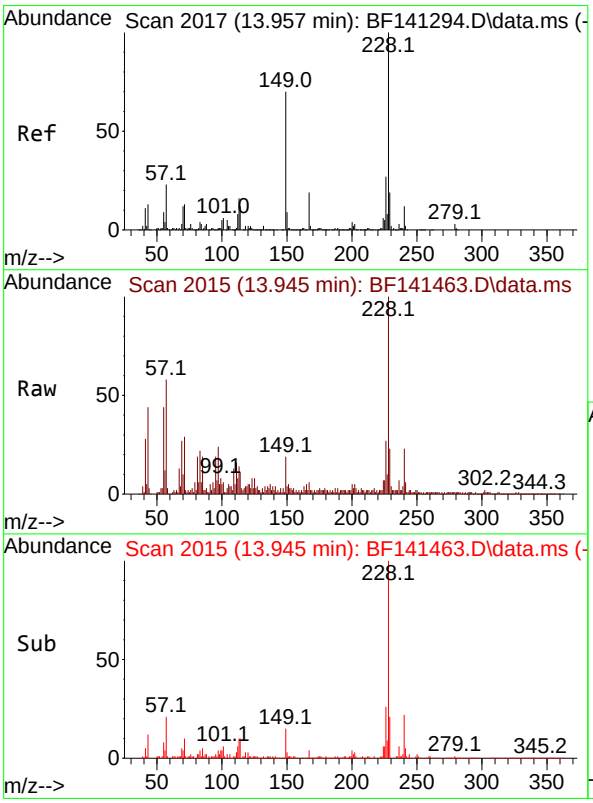
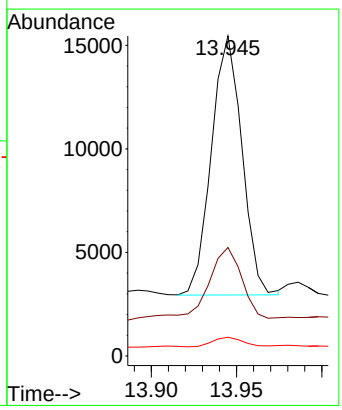


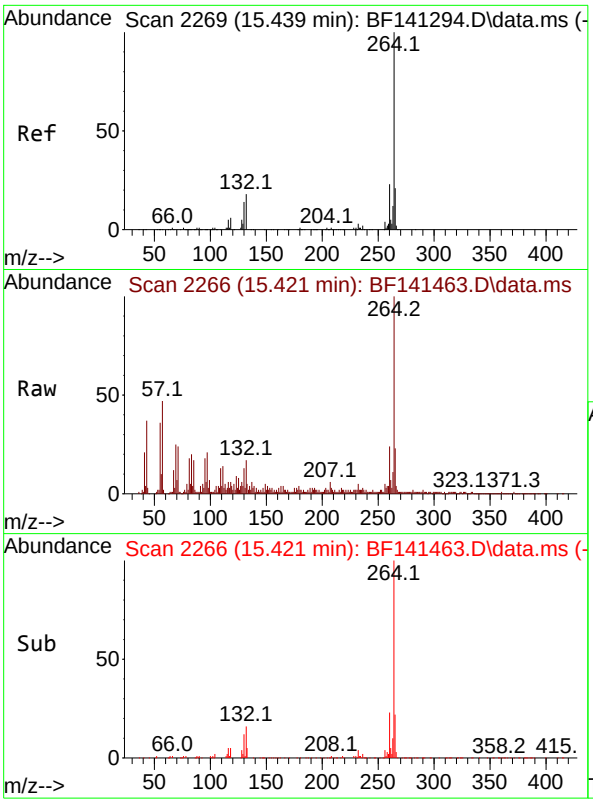


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.573 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:149 Resp: 15617

Ion	Ratio	Lower	Upper
149	100		
167	33.9	21.8	32.8#
279	5.9	3.3	4.9#

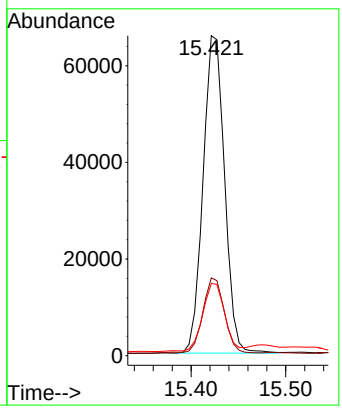




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:264 Resp: 10371

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.6	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
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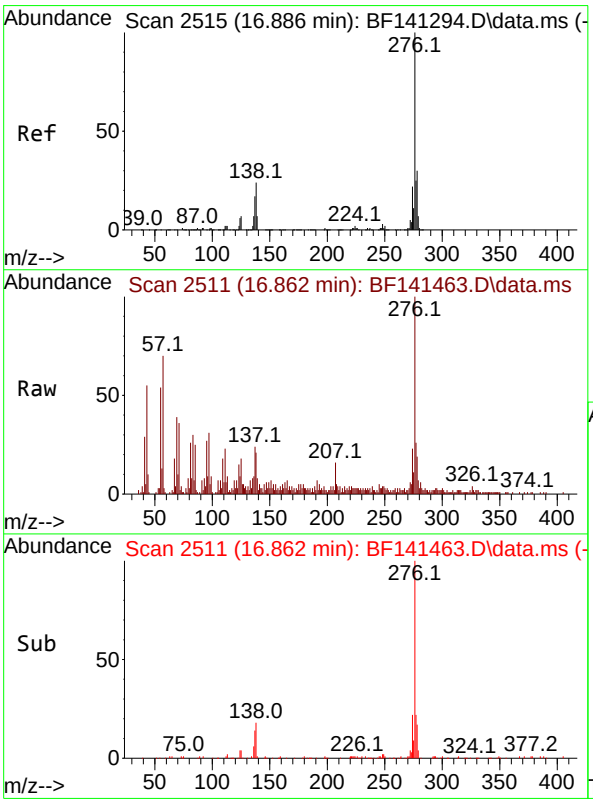
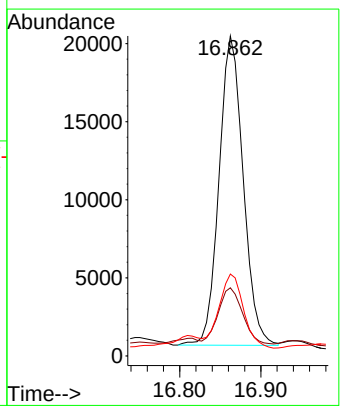
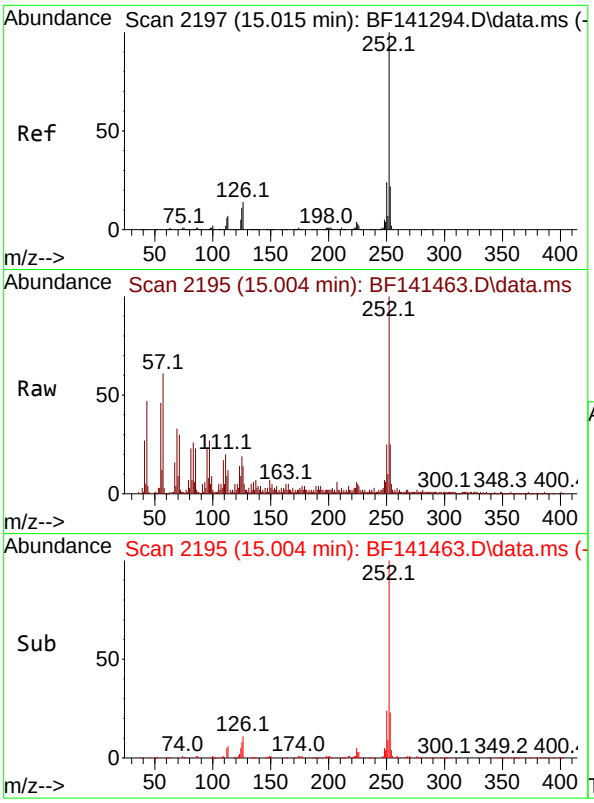


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.124 ng
RT: 16.862 min Scan# 2511
Delta R.T. -0.035 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:276 Resp: 40993

Ion	Ratio	Lower	Upper
276	100		
138	18.2	21.7	32.5#
277	24.4	20.3	30.5

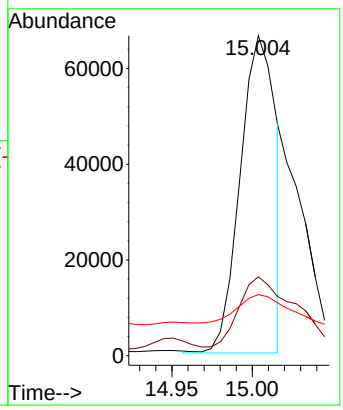




#88
Benzo(b)fluoranthene
Concen: 15.631 ng m
RT: 15.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:252 Resp: 10197

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.2
125	19.1	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

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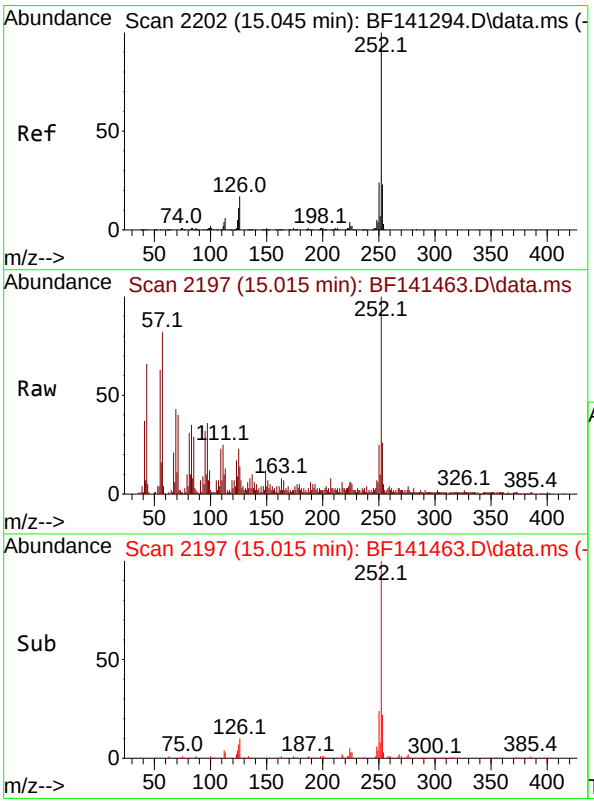
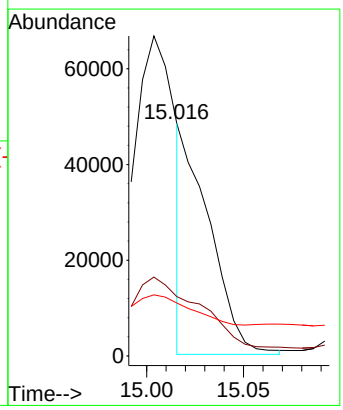
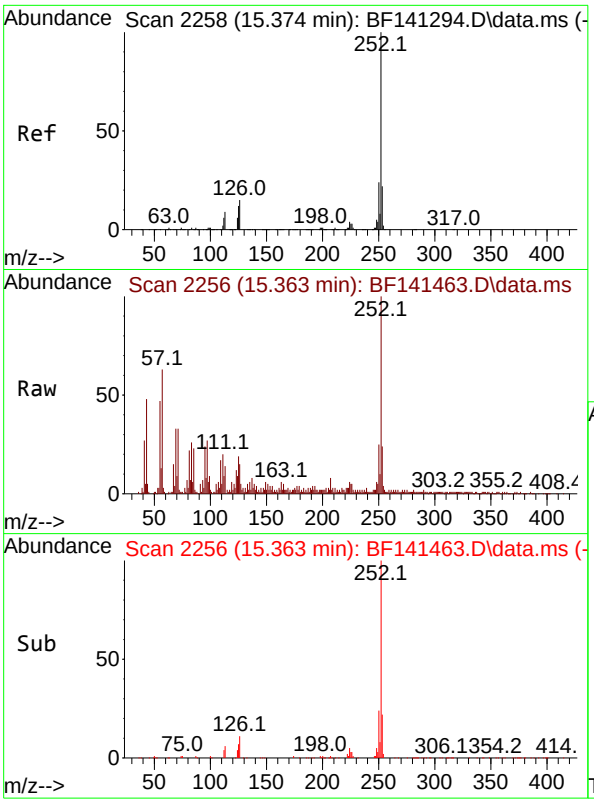


#89
Benzo(k)fluoranthene
Concen: 8.002 ng m
RT: 15.015 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:252 Resp: 46247

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	22.8	8.4	12.6#

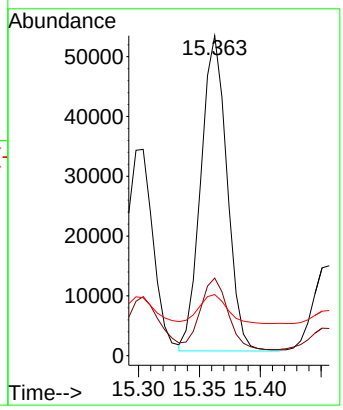




#90
Benzo(a)pyrene
Concen: 14.265 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:252 Resp: 7864

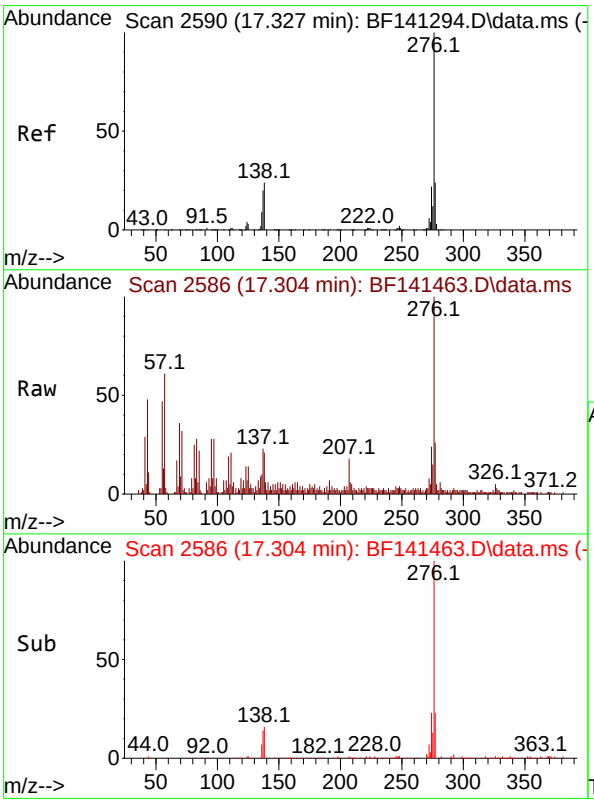
Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	19.1	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations
APPROVED

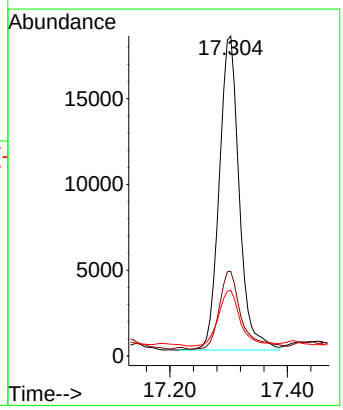
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 7.720 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:276 Resp: 43228

Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.2	28.8
138	20.5	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141463.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.799	284	290	296	rBV	14457	24456	1.65%	0.130%
2	4.981	487	491	501	rVB	18233	27480	1.86%	0.146%
3	5.263	534	539	544	rBV	13190	17289	1.17%	0.092%
4	5.410	559	564	583	rVB	767957	1047370	70.86%	5.557%
5	5.657	597	606	611	rBV	161251	214482	14.51%	1.138%
6	6.063	672	675	684	rVB	20170	27038	1.83%	0.143%
7	6.428	732	737	745	rBV	770359	1015853	68.73%	5.390%
8	6.622	765	770	774	rBV3	12305	18231	1.23%	0.097%
9	6.787	793	798	805	rBV	319191	410004	27.74%	2.175%
10	6.857	805	810	815	rBV3	51793	91038	6.16%	0.483%
11	7.181	860	865	869	rBV4	10205	17294	1.17%	0.092%
12	7.351	884	894	898	rBV	493558	665708	45.04%	3.532%
13	7.387	898	900	904	rVV	42320	47808	3.23%	0.254%
14	7.434	904	908	912	rVB4	12439	19683	1.33%	0.104%
15	7.604	929	937	943	rVB5	28063	64291	4.35%	0.341%
16	7.710	945	955	958	rBV7	15776	40321	2.73%	0.214%
17	7.822	970	974	978	rVB2	14990	21082	1.43%	0.112%
18	8.069	1004	1016	1023	rBV	387431	668799	45.25%	3.549%
19	8.134	1023	1027	1030	rVV	47296	68713	4.65%	0.365%
20	8.163	1030	1032	1039	rVB5	11704	16373	1.11%	0.087%
21	8.363	1061	1066	1072	rBV6	30790	57524	3.89%	0.305%
22	8.416	1072	1075	1078	rBV2	16924	20110	1.36%	0.107%
23	8.451	1078	1081	1084	rVB2	28314	33077	2.24%	0.176%
24	8.492	1084	1088	1094	rBV	61743	87339	5.91%	0.463%
25	8.575	1099	1102	1105	rBV2	16833	20306	1.37%	0.108%
26	8.663	1113	1117	1121	rBV	141410	171948	11.63%	0.912%
27	8.786	1135	1138	1141	rVB	24535	29059	1.97%	0.154%
28	8.886	1151	1155	1162	rVB2	23879	36160	2.45%	0.192%
29	8.951	1162	1166	1168	rBV2	14638	22351	1.51%	0.119%
30	9.028	1176	1179	1183	rVB	20439	24344	1.65%	0.129%
31	9.069	1183	1186	1187	rBV2	15400	17058	1.15%	0.091%
32	9.092	1187	1190	1194	rVB	45907	55010	3.72%	0.292%
33	9.145	1194	1199	1205	rBV	803198	979798	66.29%	5.199%
34	9.228	1209	1213	1218	rBV	128390	174730	11.82%	0.927%
35	9.422	1240	1246	1250	rBV2	135745	194475	13.16%	1.032%
36	9.481	1253	1256	1259	rVV	51448	73341	4.96%	0.389%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.545	1263	1267	1274	rVB2	61879	115624	7.82%	0.613%
38	9.692	1288	1292	1295	rBV3	23420	32501	2.20%	0.172%
39	9.757	1296	1303	1307	rBV	99759	159151	10.77%	0.844%
40	9.822	1308	1314	1318	rBV	339554	483553	32.72%	2.566%
41	9.857	1318	1320	1324	rVB	52927	61708	4.18%	0.327%
42	9.933	1329	1333	1337	rVB	30472	43281	2.93%	0.230%
43	10.028	1345	1349	1353	rBV2	52809	69006	4.67%	0.366%
44	10.081	1354	1358	1362	rVB4	35114	60979	4.13%	0.324%
45	10.145	1366	1369	1371	rBV	31344	39112	2.65%	0.208%
46	10.257	1381	1388	1392	rBV2	112863	186301	12.61%	0.989%
47	10.375	1404	1408	1414	rVB2	55423	85022	5.75%	0.451%
48	10.481	1422	1426	1431	rVB	89063	122718	8.30%	0.651%
49	10.539	1432	1436	1440	rVV	147304	179859	12.17%	0.954%
50	10.616	1444	1449	1460	rVB	419381	592157	40.07%	3.142%
51	10.739	1465	1470	1477	rVB	227156	391873	26.51%	2.079%
52	11.180	1542	1545	1548	rBV	82615	113933	7.71%	0.605%
53	11.210	1548	1550	1556	rVB	118624	150849	10.21%	0.800%
54	11.316	1563	1568	1569	rBV	341091	413091	27.95%	2.192%
55	11.339	1569	1572	1576	rVV	422647	550838	37.27%	2.923%
56	11.386	1577	1580	1584	rVB	120841	150955	10.21%	0.801%
57	11.610	1615	1618	1621	rBV	80401	86515	5.85%	0.459%
58	11.816	1650	1653	1655	rBV	61672	75173	5.09%	0.399%
59	11.845	1655	1658	1663	rVB	187329	235000	15.90%	1.247%
60	11.927	1669	1672	1680	rVB3	129926	294929	19.95%	1.565%
61	12.016	1685	1687	1691	rVB2	65136	82001	5.55%	0.435%
62	12.098	1698	1701	1707	rVB2	109642	160538	10.86%	0.852%
63	12.175	1710	1714	1720	rVB2	126535	185510	12.55%	0.984%
64	12.263	1724	1729	1733	rBV	900328	1142751	77.32%	6.063%
65	12.527	1770	1774	1778	rBV	603350	822092	55.62%	4.362%
66	12.574	1778	1782	1788	rVB	817052	1075096	72.74%	5.704%
67	12.757	1807	1813	1820	rBV2	558341	953533	64.52%	5.059%
68	12.904	1834	1838	1845	rVB	837058	1117066	75.58%	5.927%
69	13.045	1857	1862	1866	rBV	1158709	1477982	100.00%	7.842%
70	13.957	2013	2017	2021	rBV2	390453	616106	41.69%	3.269%

Sum of corrected areas: 18846746

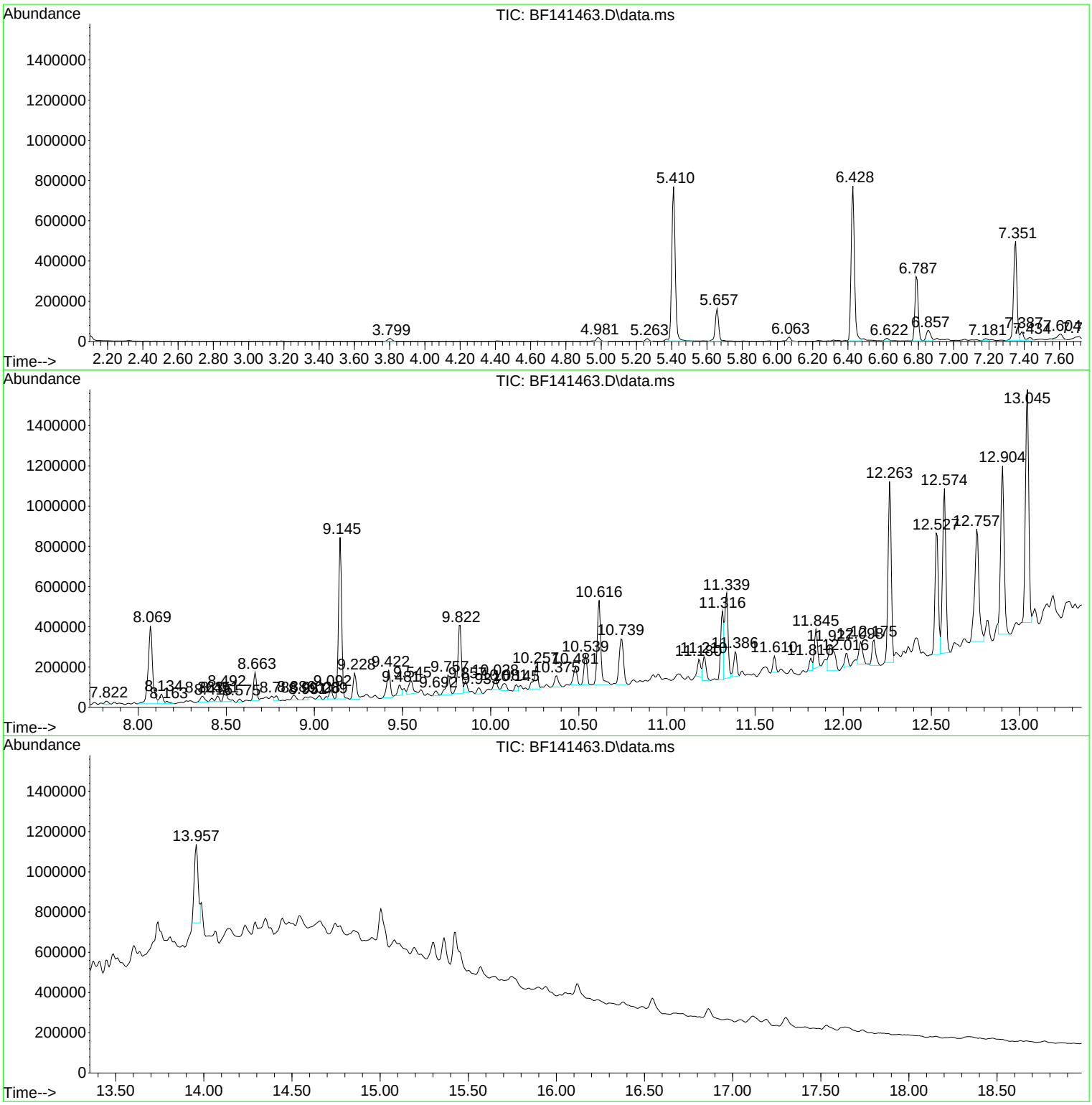
Sample Results: **BF141463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

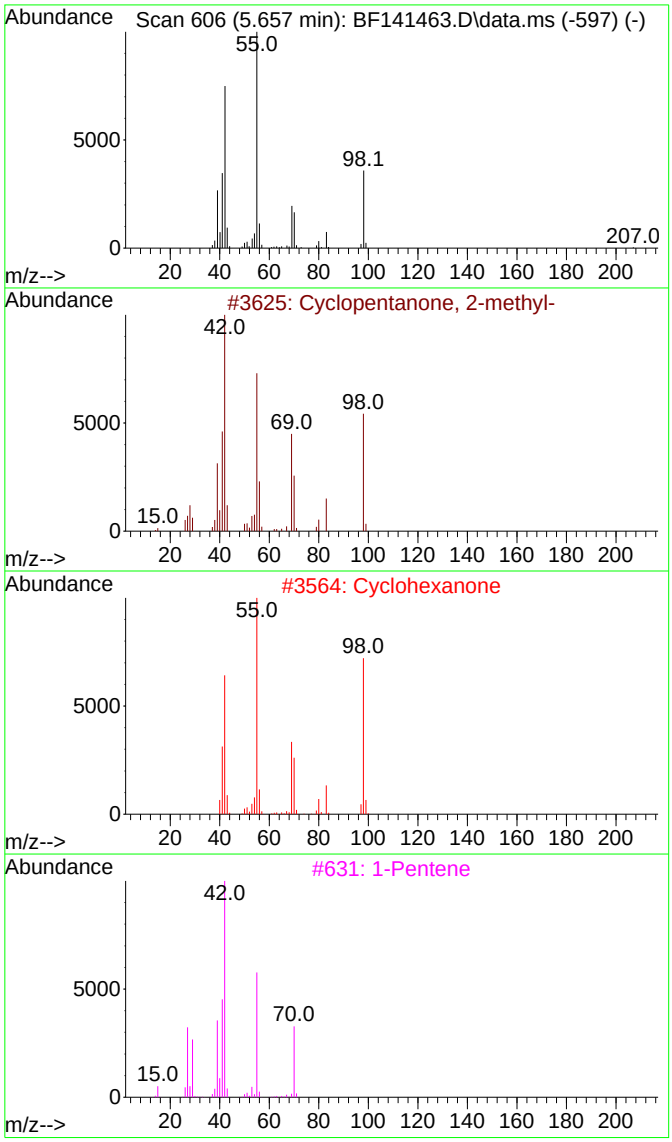
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

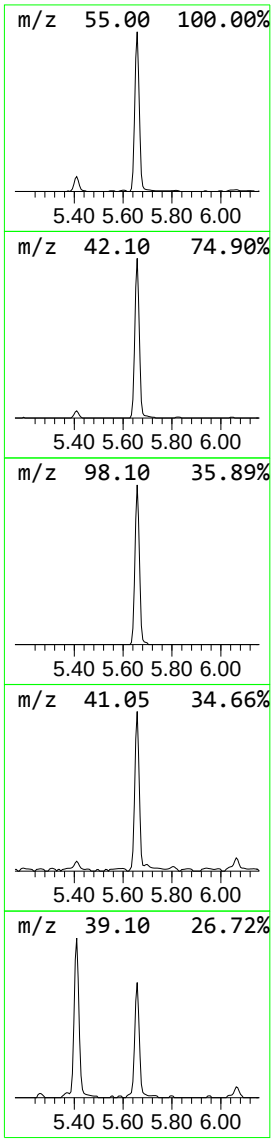
****

Peak Number 1 Cyclopentanone, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.657	10.46 ng	214482	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	91
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	1-Pentene	70	C5H10	000109-67-1	47
4	2-Propenal, 3-(dimethylamino)-	99	C5H9NO	000927-63-9	42
5	2-Pentene	70	C5H10	000109-68-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

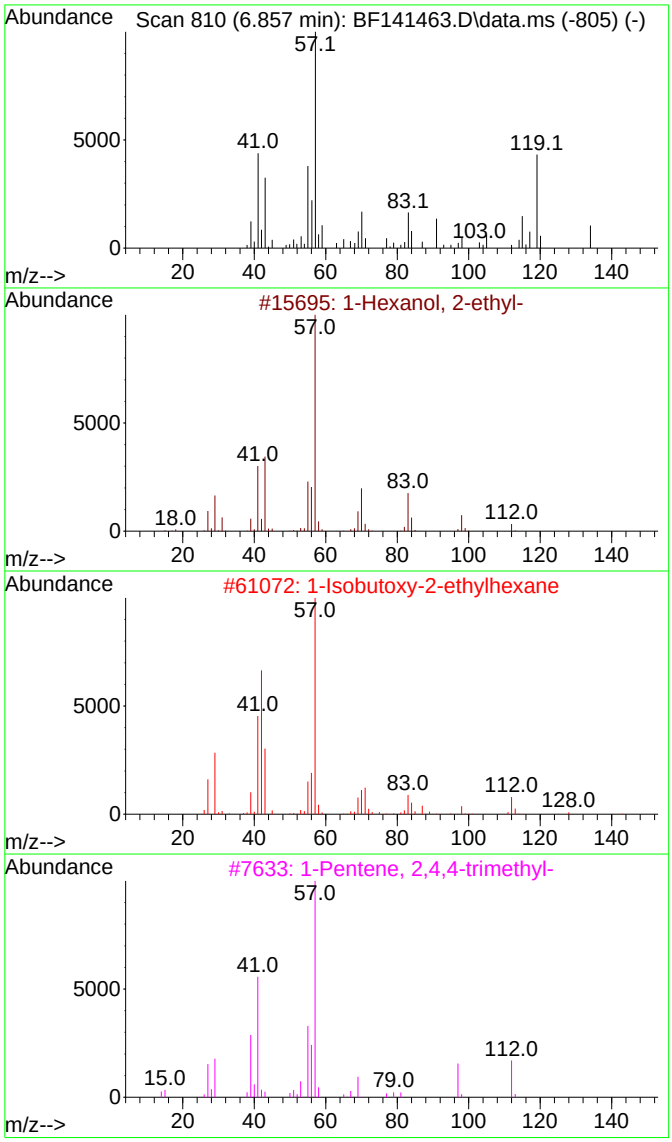
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

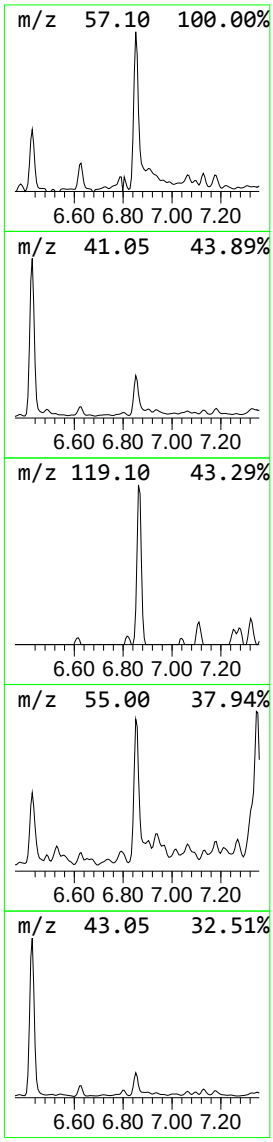
****

Peak Number 2 unknown6.857 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.857	4.44 ng	91038	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	22
2	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	22
3	1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	14
4	Isobutyl octan-2-yl carbonate	230	C13H26O3	1000372-74-7	12
5	N'-Oxo-N'-tert-butylimino-carbam...	155	C6H9N3O2	1000435-12-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

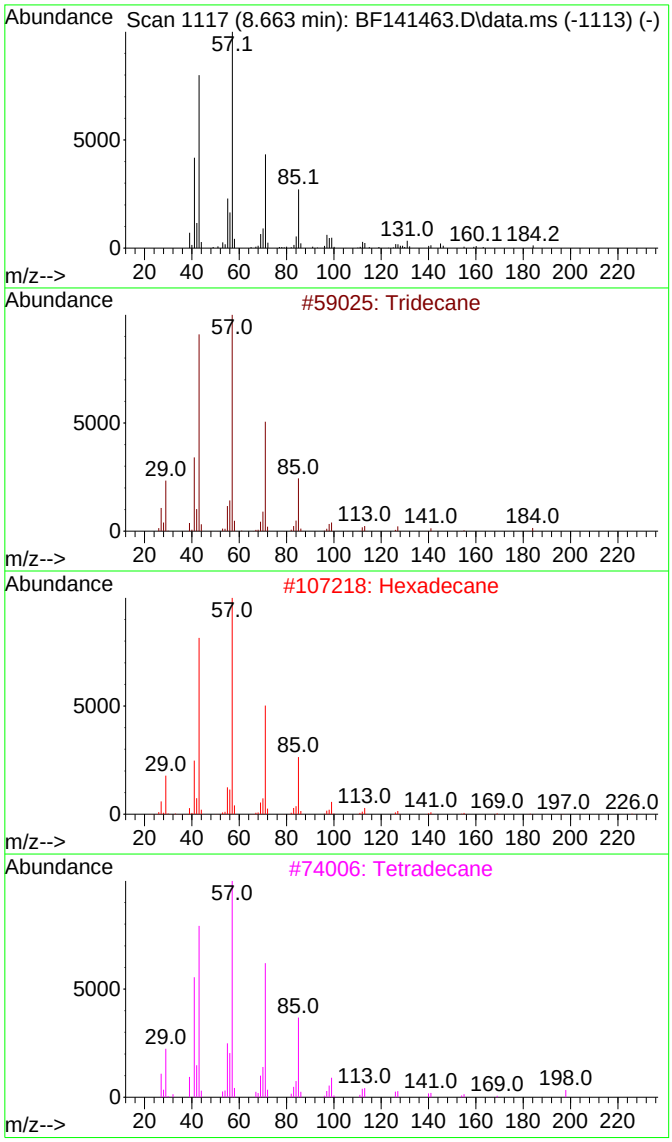
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

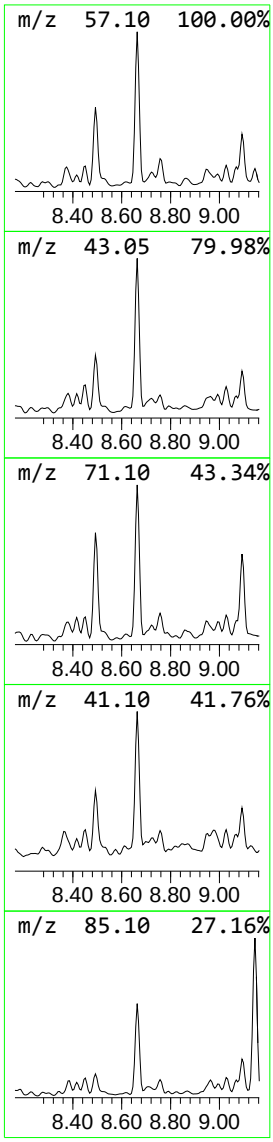
****

Peak Number 3 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.663	5.14 ng	171948	Naphthalene-d8	8.069

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	86
4	Heptadecane	240	C17H36	000629-78-7	78
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

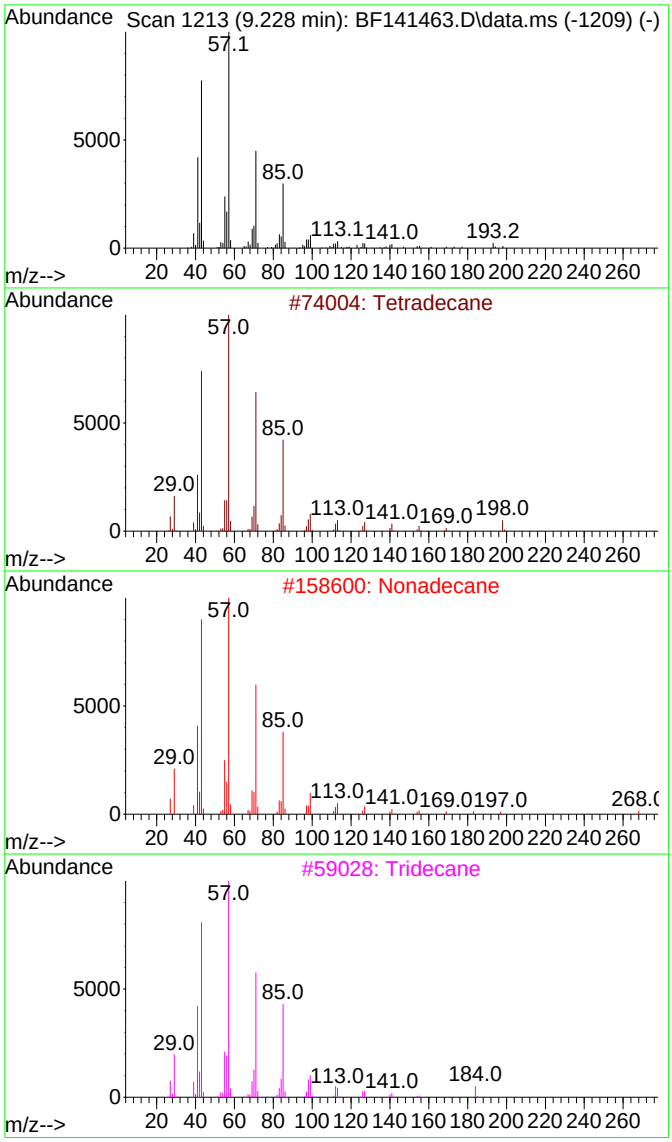
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

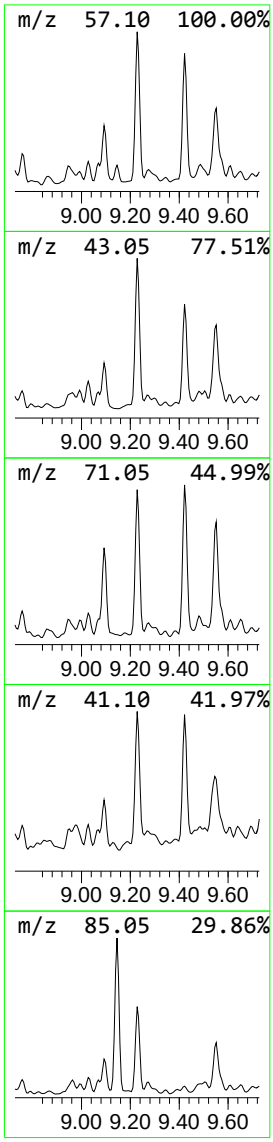
****

Peak Number 4 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.228	7.23 ng	174730	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	94
2	Nonadecane	268	C19H40	000629-92-5	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Undecane	156	C11H24	001120-21-4	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

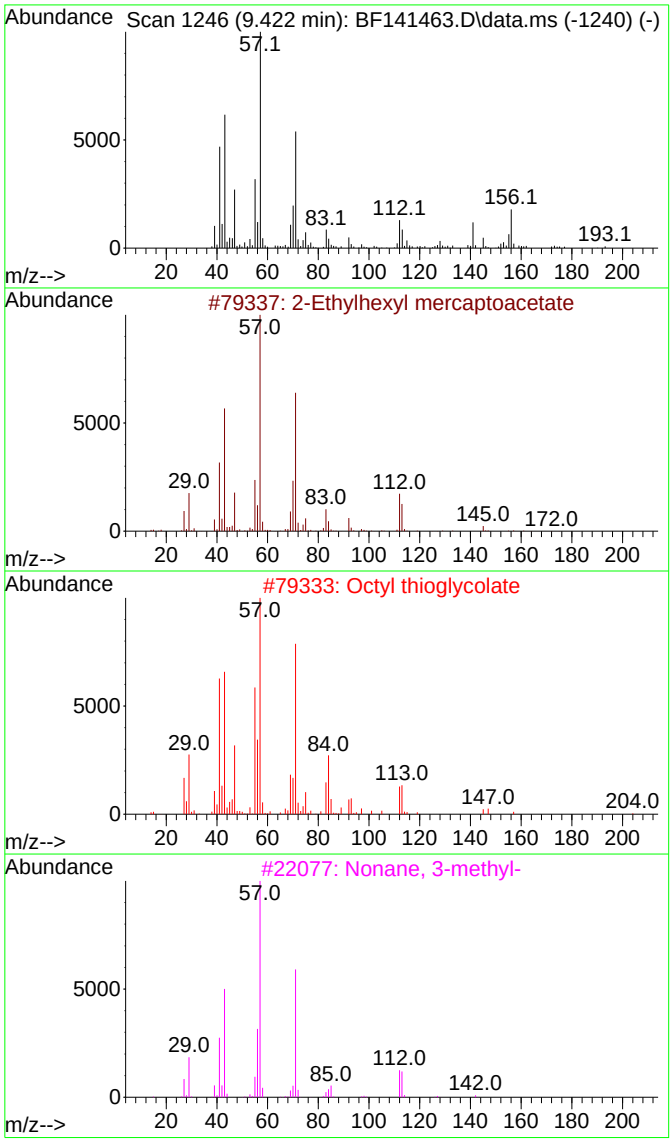
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

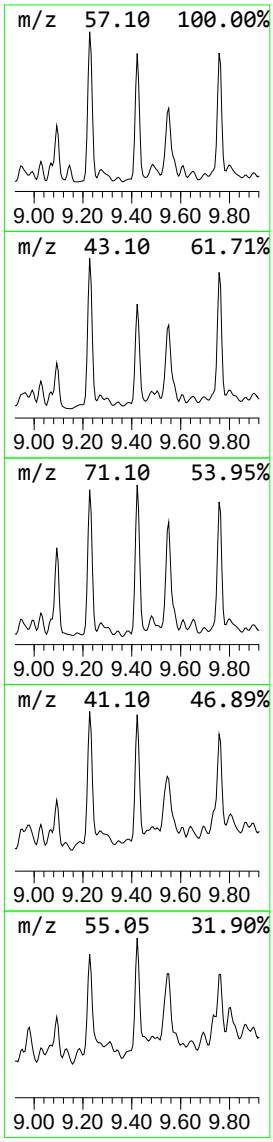
****

Peak Number 5 2-Ethylhexyl mercaptoacetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.422	8.04 ng	194475	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	58
2	Octyl thioglycolate	204	C10H20O2S	007664-80-4	52
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
4	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	43
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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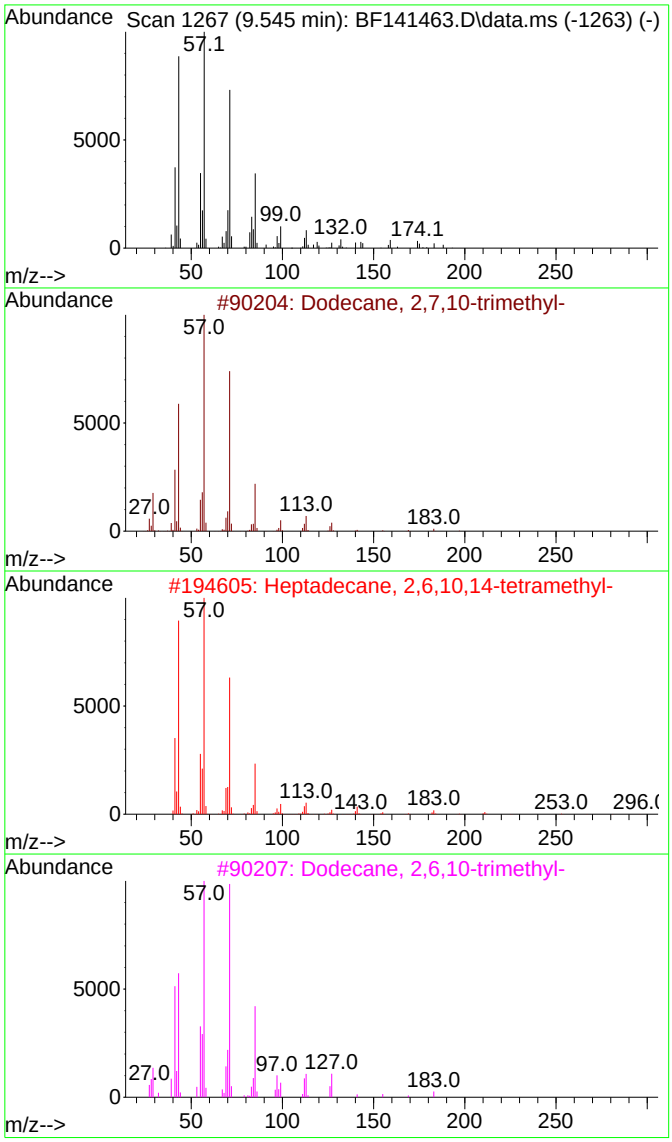
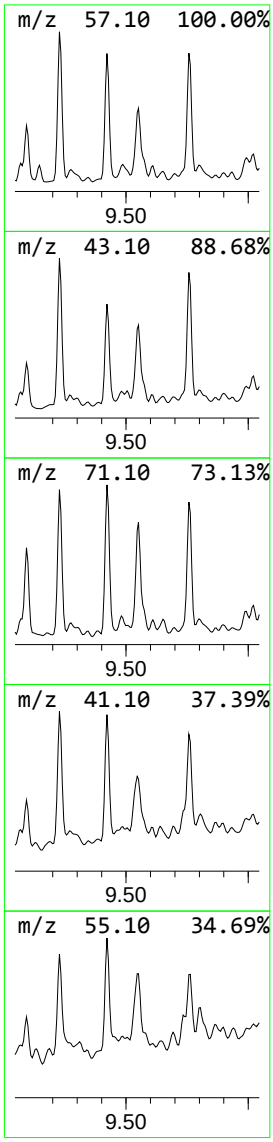
Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.545	4.78 ng	115624	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
2	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	78
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





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Operator : RC/JU
Sample : Q1207-11
Misc :
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Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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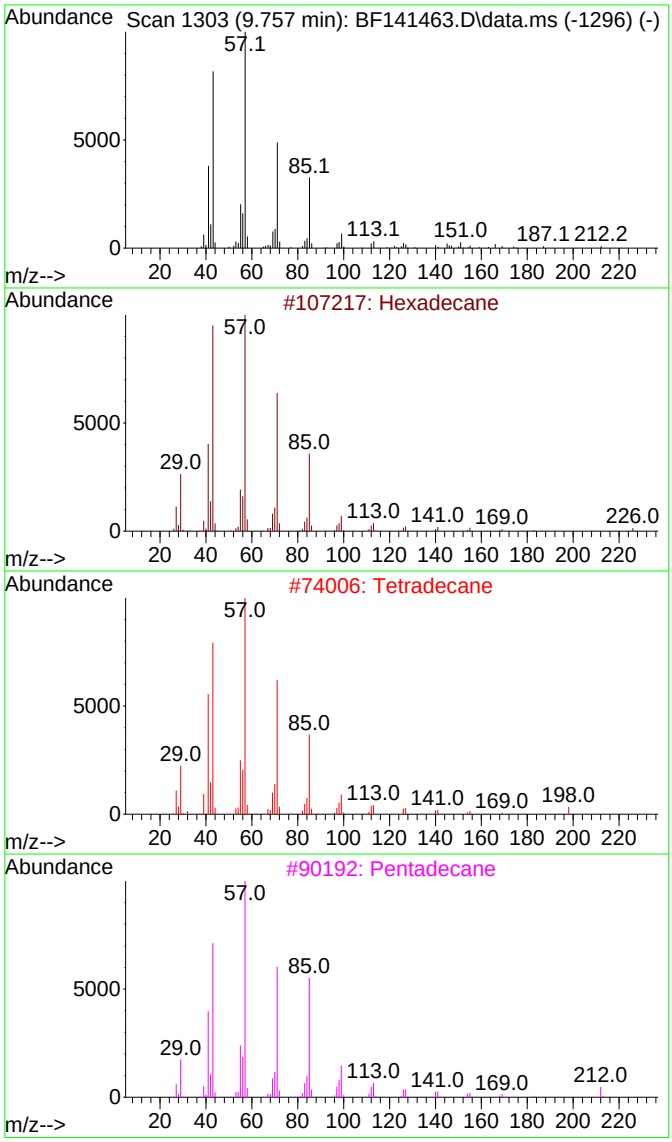
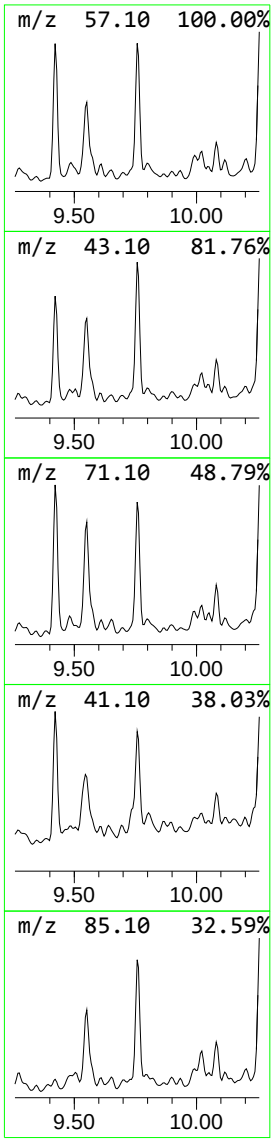
Peak Number 7 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.757	6.58 ng	159151	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	81
4	Nonadecane	268	C19H40	000629-92-5	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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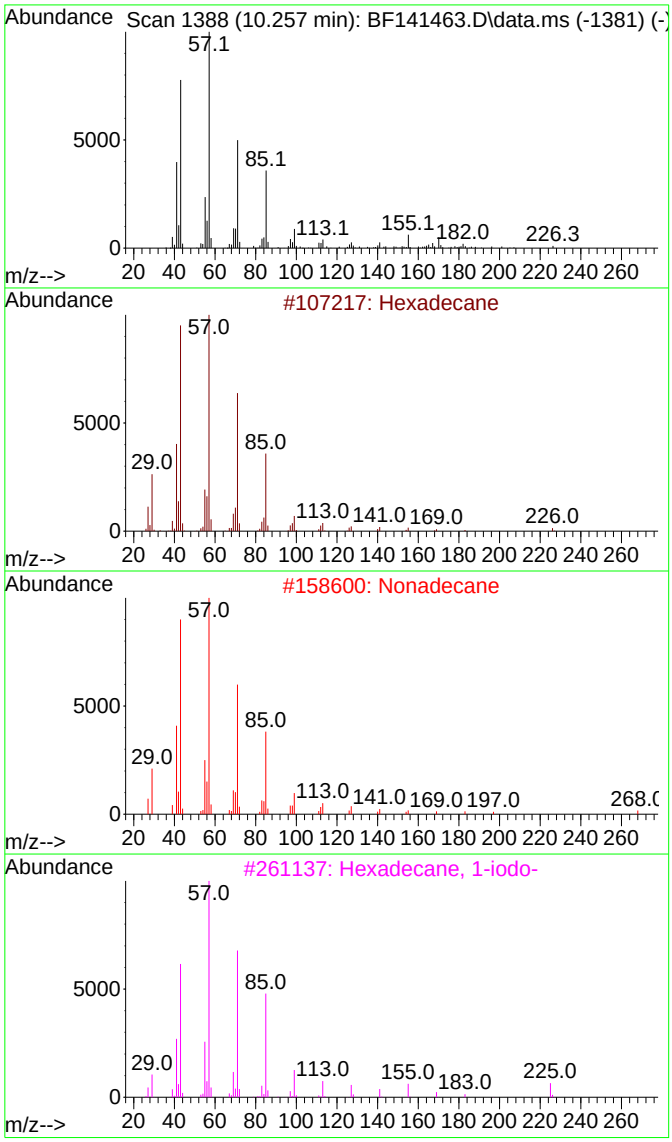
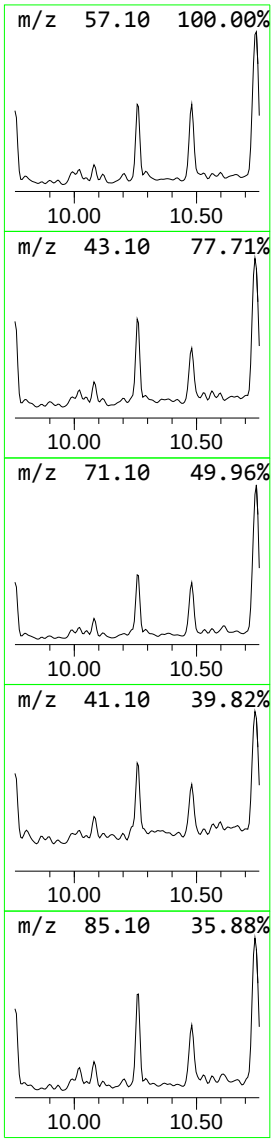
Peak Number 8 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.257	7.71 ng	186301	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	96
2	Nonadecane	268	C19H40	000629-92-5	87
3	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	Heptadecane	240	C17H36	000629-78-7	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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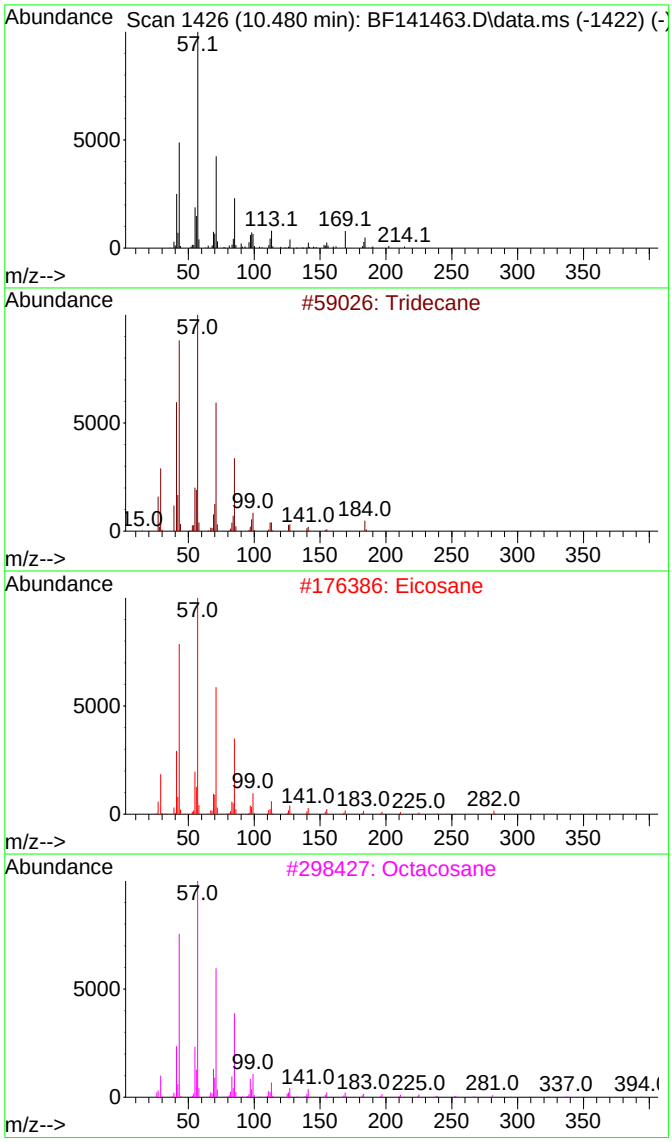
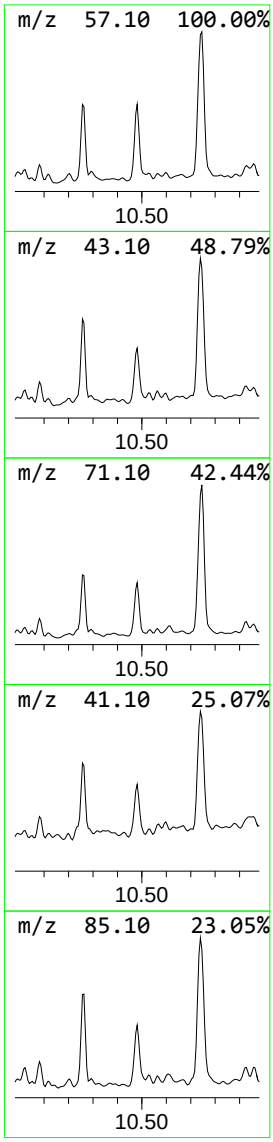
Peak Number 9 Eicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	5.08 ng	122718	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Eicosane	282	C20H42	000112-95-8	64
3	Octacosane	394	C28H58	000630-02-4	64
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	64
5	Tetracosane	338	C24H50	000646-31-1	64





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Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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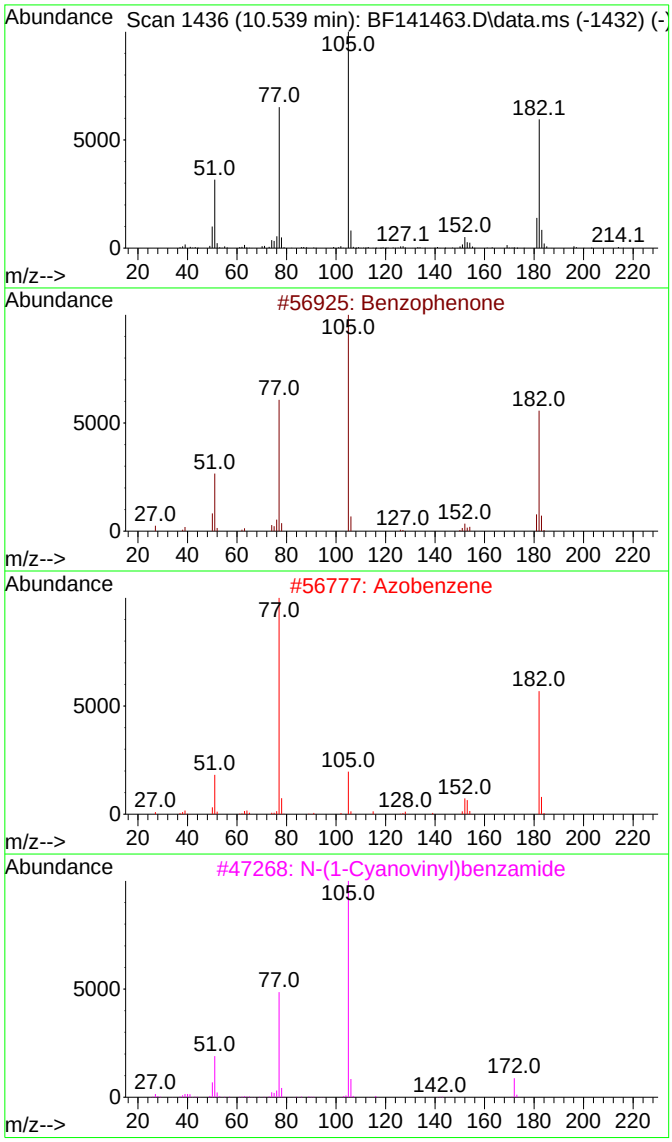
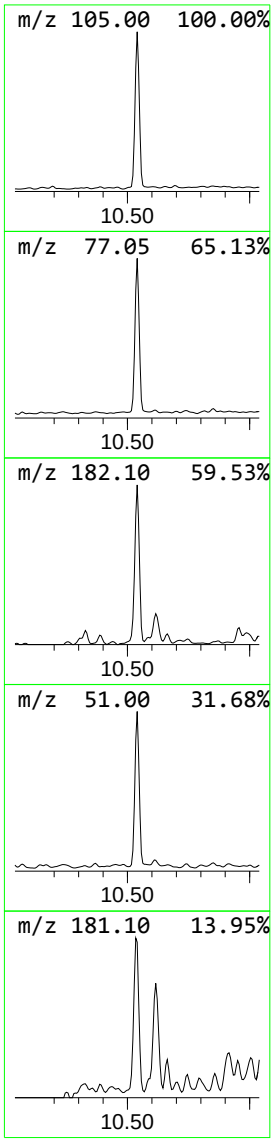
Peak Number 10 Benzophenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	7.44 ng	179859	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	58
3	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	53
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





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TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

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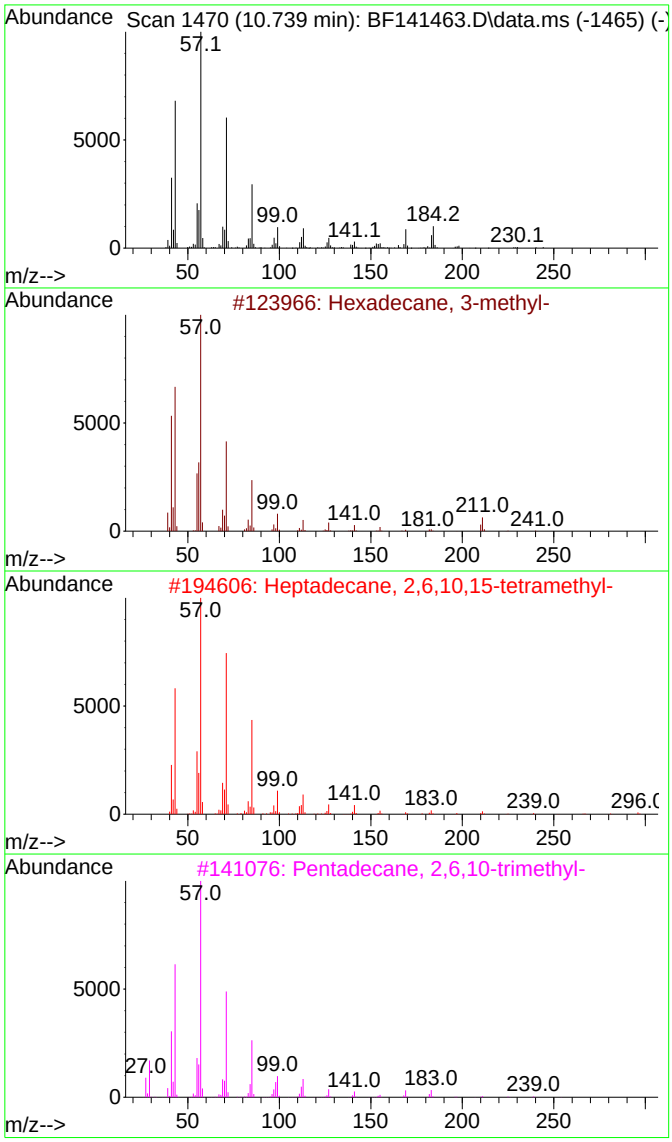
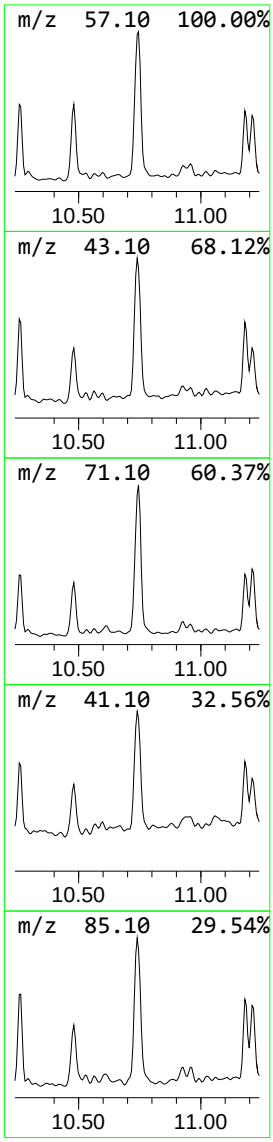
Peak Number 11 Hexadecane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	18.97 ng	391873	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	81
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
4	Eicosane	282	C20H42	000112-95-8	74
5	Heptacosane	380	C27H56	000593-49-7	74





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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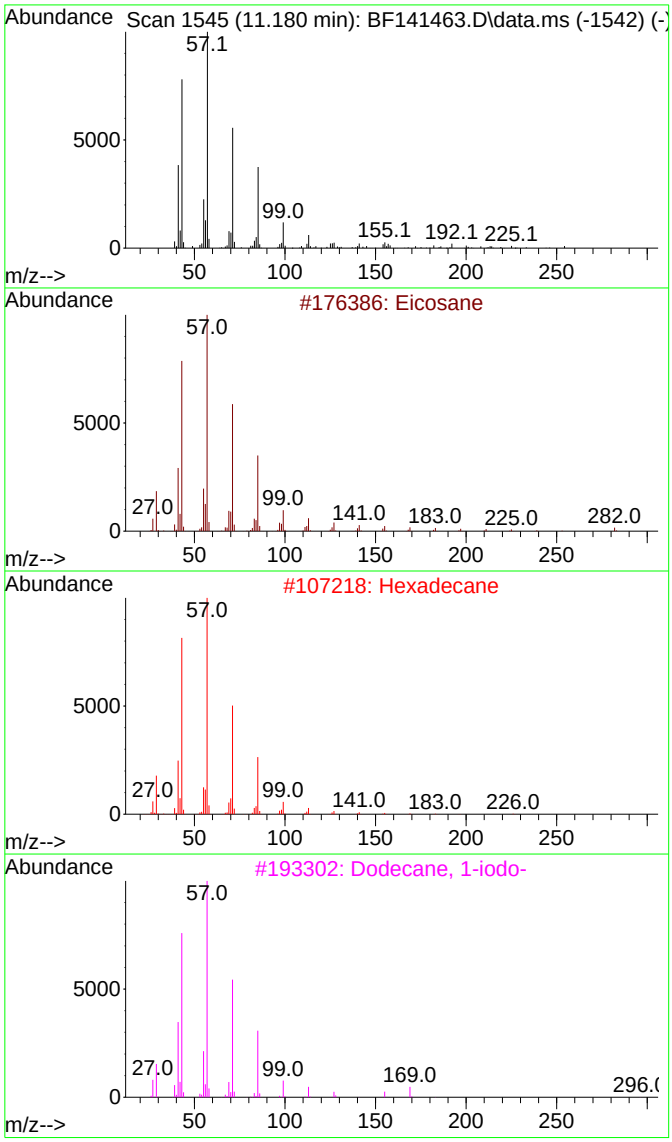
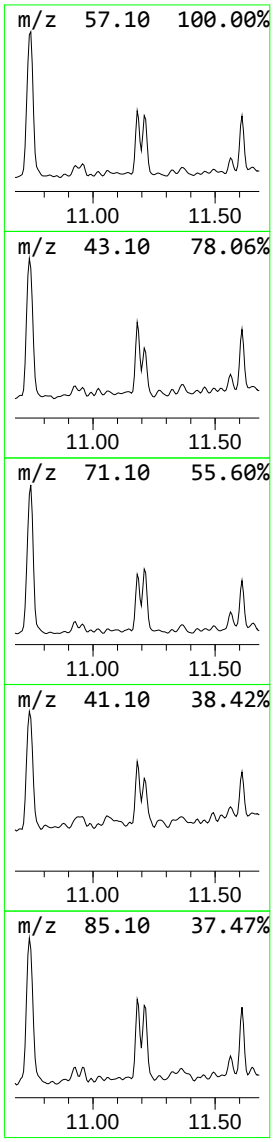
Peak Number 12 Dodecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.181	5.52 ng	113933	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Hexadecane	226	C16H34	000544-76-3	87
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	80
5	Heptacosane	380	C27H56	000593-49-7	64





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Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

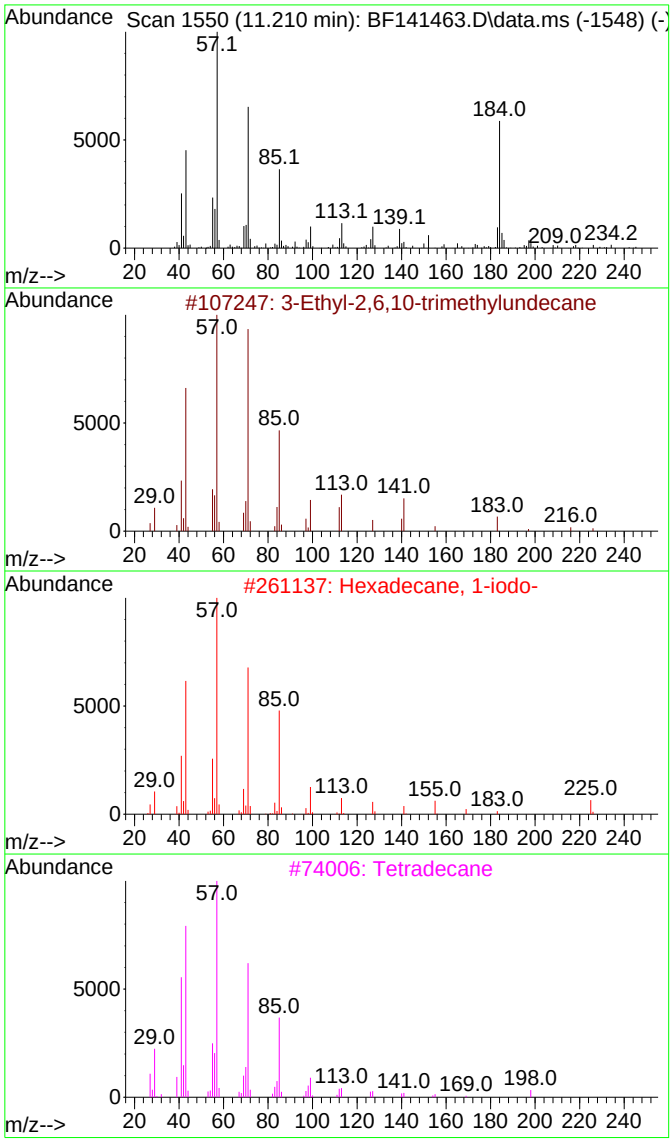
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

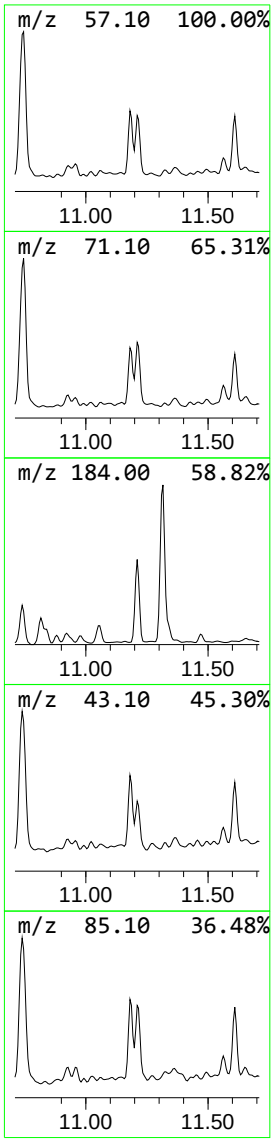
**********************************************************************
Peak Number 13  3-Ethyl-2,6,10-trimethylund...  Concentration Rank 12
```

Instrument : BNA_F
ClientSampleId : JPP-4.5-012725

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	7.30 ng	150849	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	64
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	52
3	Tetradecane	198	C14H30	000629-59-4	49
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	49
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49





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Sample : Q1207-11
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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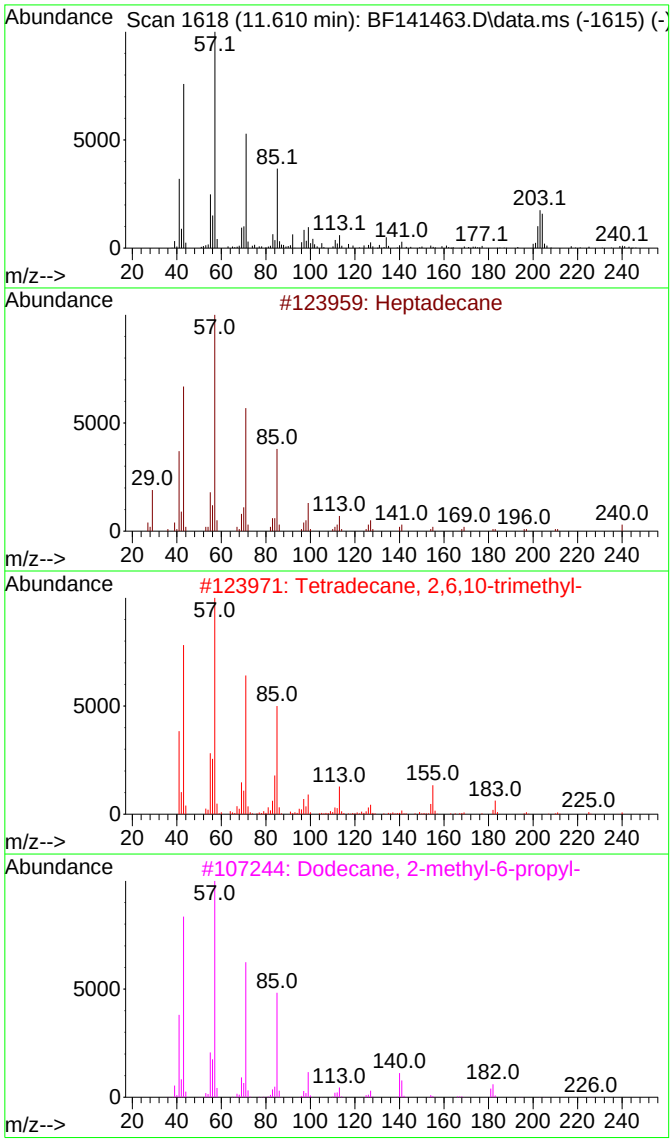
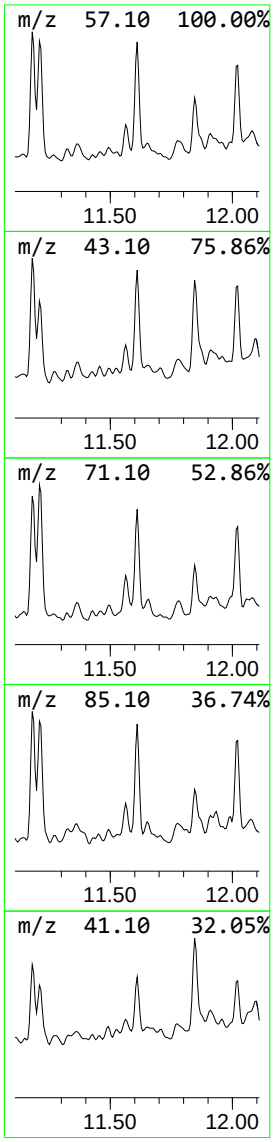
Peak Number 14 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	4.19 ng	86515	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	62
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	58
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
4	Heneicosane	296	C21H44	000629-94-7	58
5	Octacosane	394	C28H58	000630-02-4	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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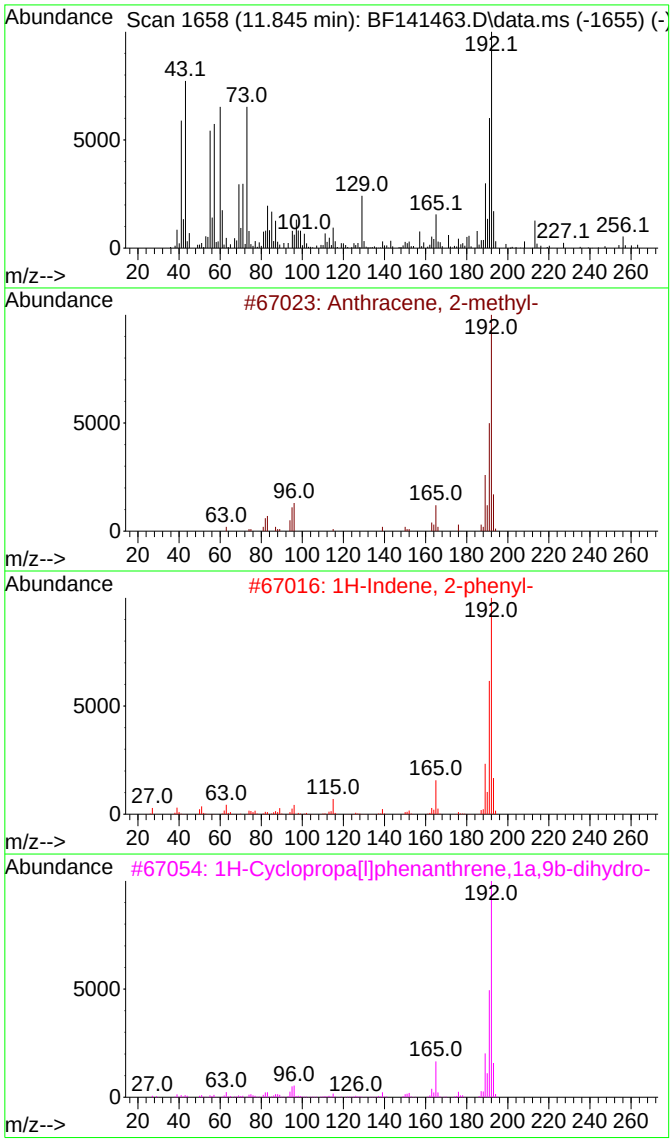
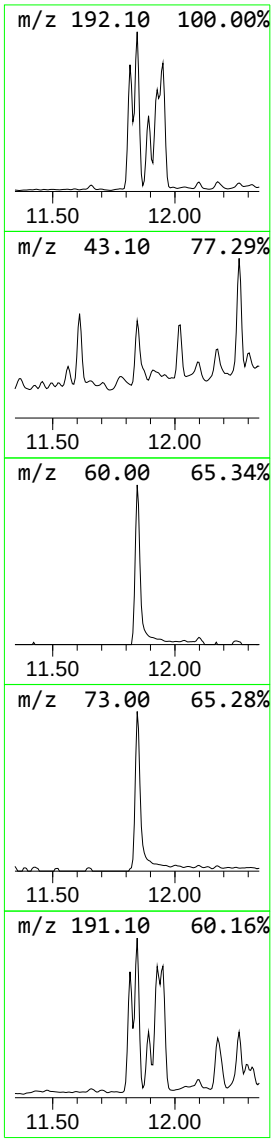
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	11.38 ng	235000	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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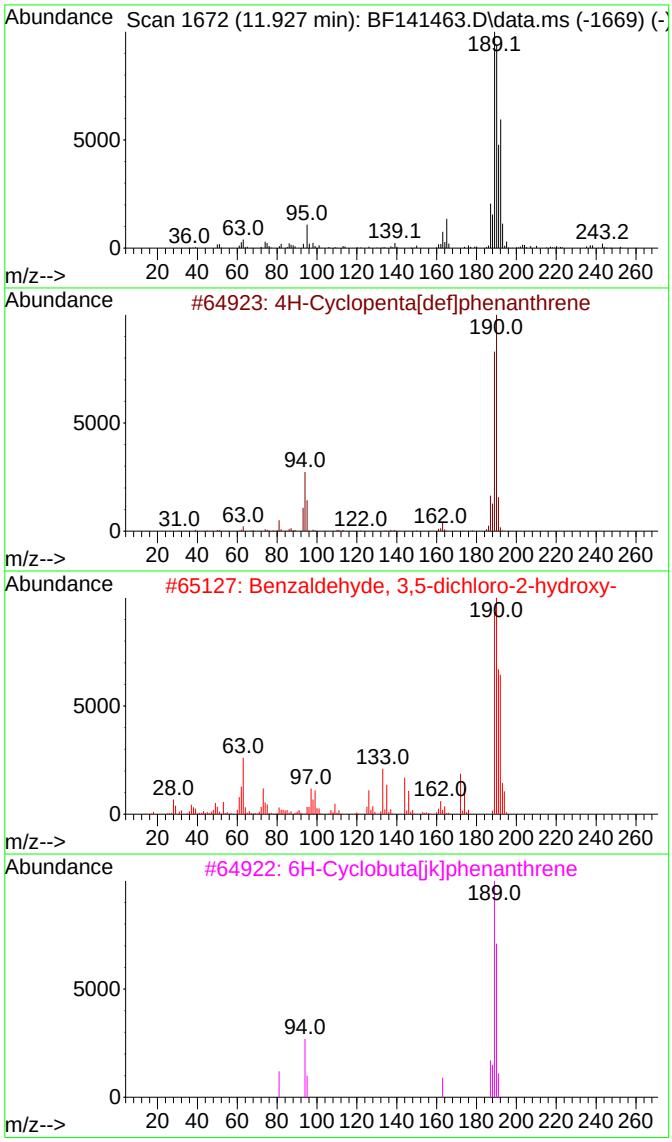
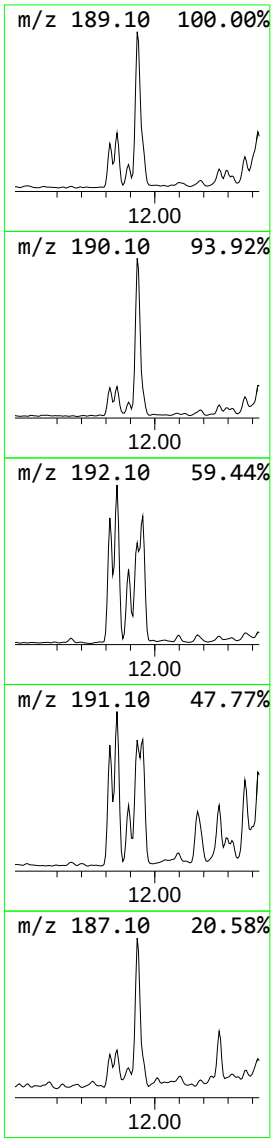
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	14.28 ng	294929	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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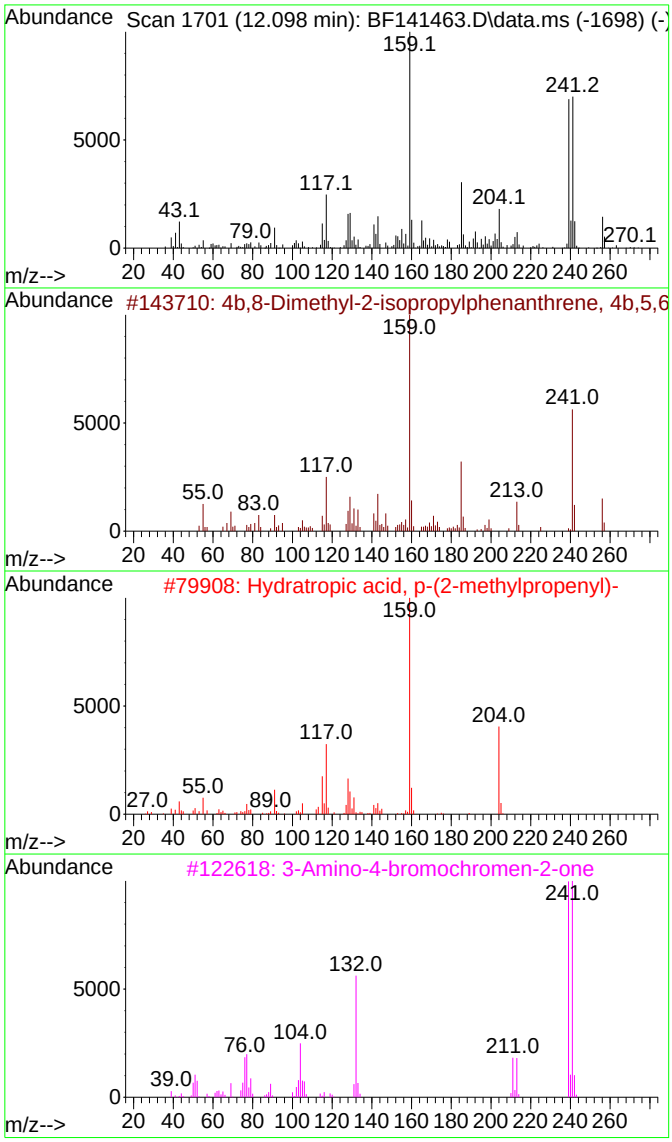
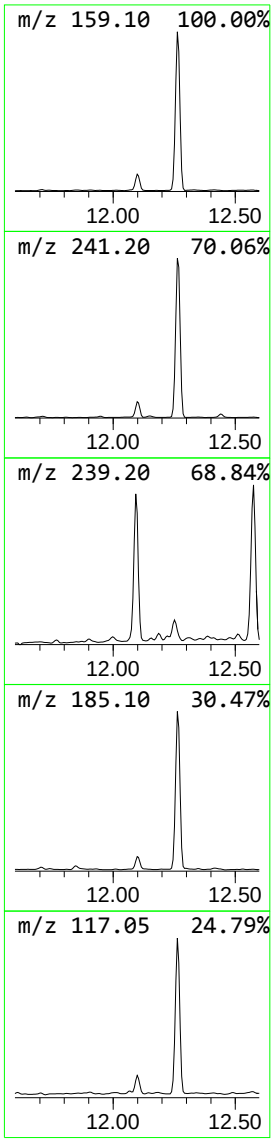
Peak Number 17 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	7.77 ng	160538	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	93
2	Hydratropic acid, p-(2-methylpro...	204	C13H16O2	075625-99-9	46
3	3-Amino-4-bromochromen-2-one	239	C9H6BrNO2	1000311-83-7	42
4	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	30
5	2-(4-(2-Methylprop-1-en-1-yl)phe...	203	C13H17NO	1000466-09-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

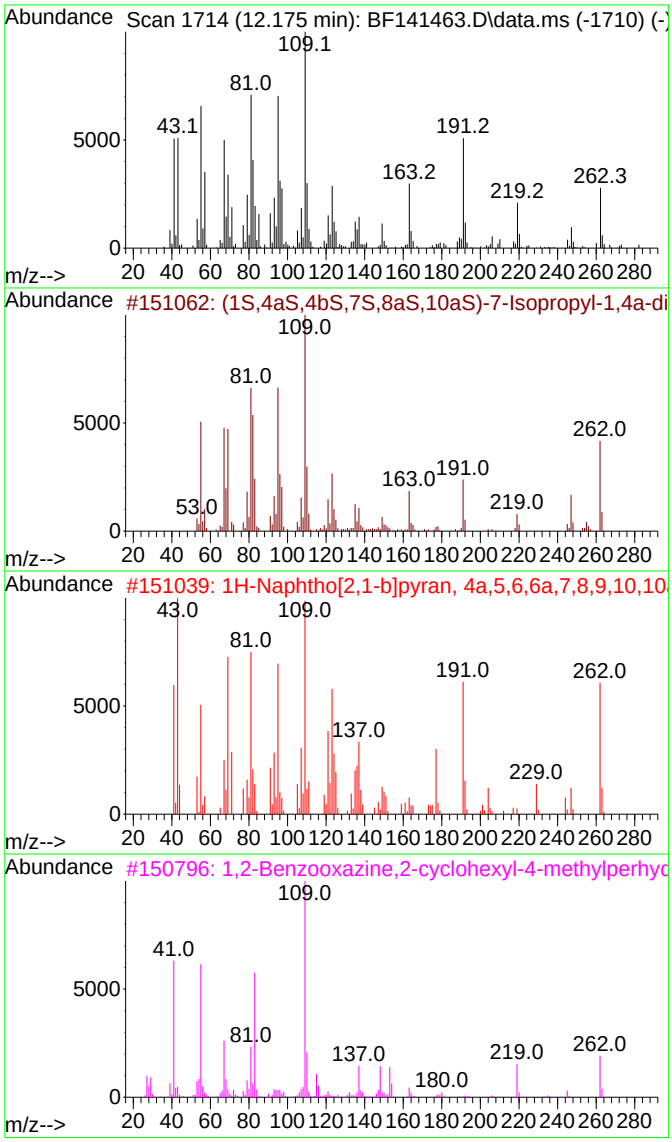
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

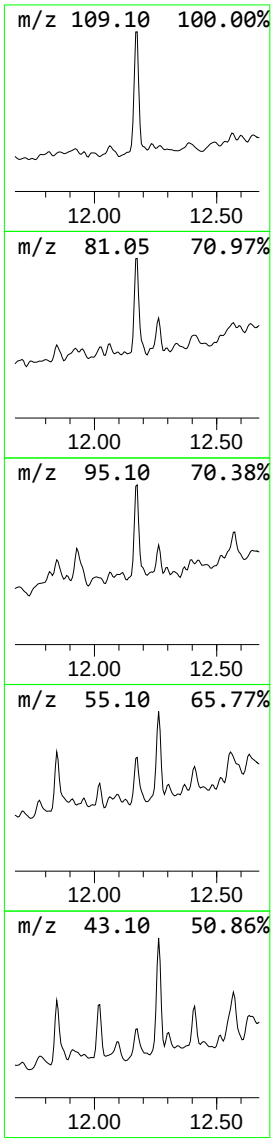
****

Peak Number 18 (1S,4aS,4bS,7S,8aS,10aS)-7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	8.98 ng	185510	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S,4aS,4bS,7S,8aS,10aS)-7-Isopr...	262	C19H34	002221-95-6	96
2	1H-Naphtho[2,1-b]pyran, 4a,5,6,6...	262	C18H30O	005153-92-4	80
3	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	45
4	1-(1-Butyny)cyclopentanol	138	C9H14O	1000342-86-5	27
5	Bis[(3,5-dimethyl-1H-pyrazol-4-y...	247	C13H21N5	1000387-27-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

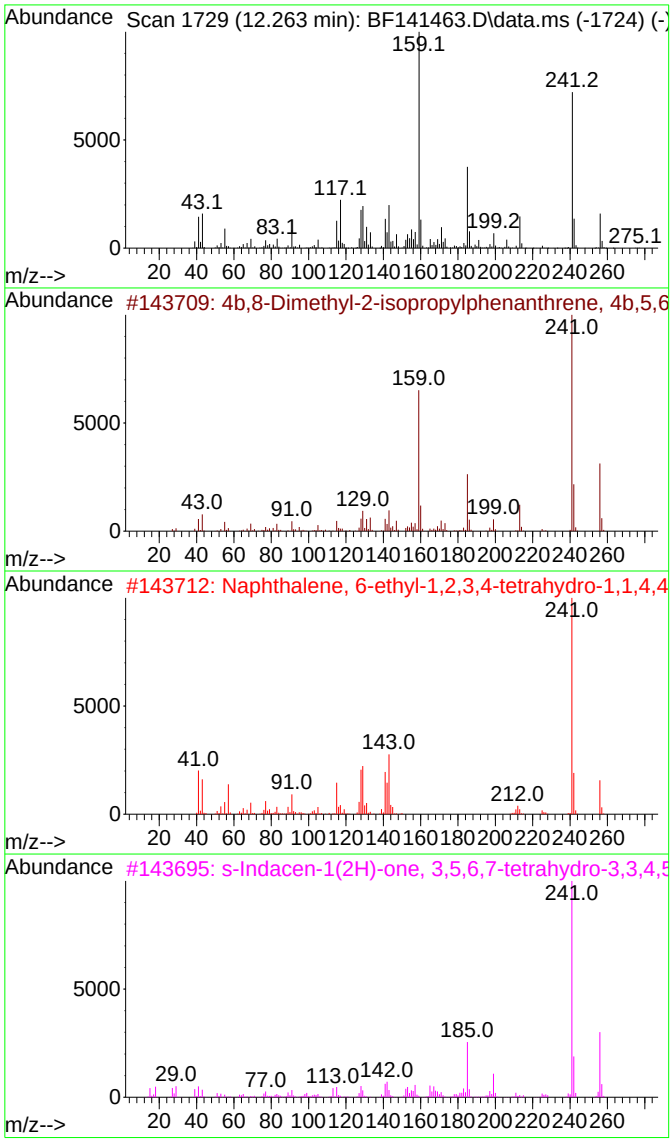
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

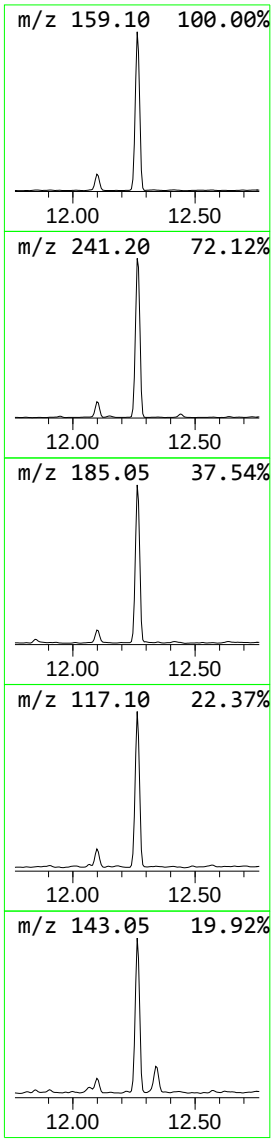
****

Peak Number 19 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	55.33 ng	1142750	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	86
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	60
4	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	49
5	2-Phenylpropionic acid, 4'-(2-me...	218	C14H18O2	1010454-94-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

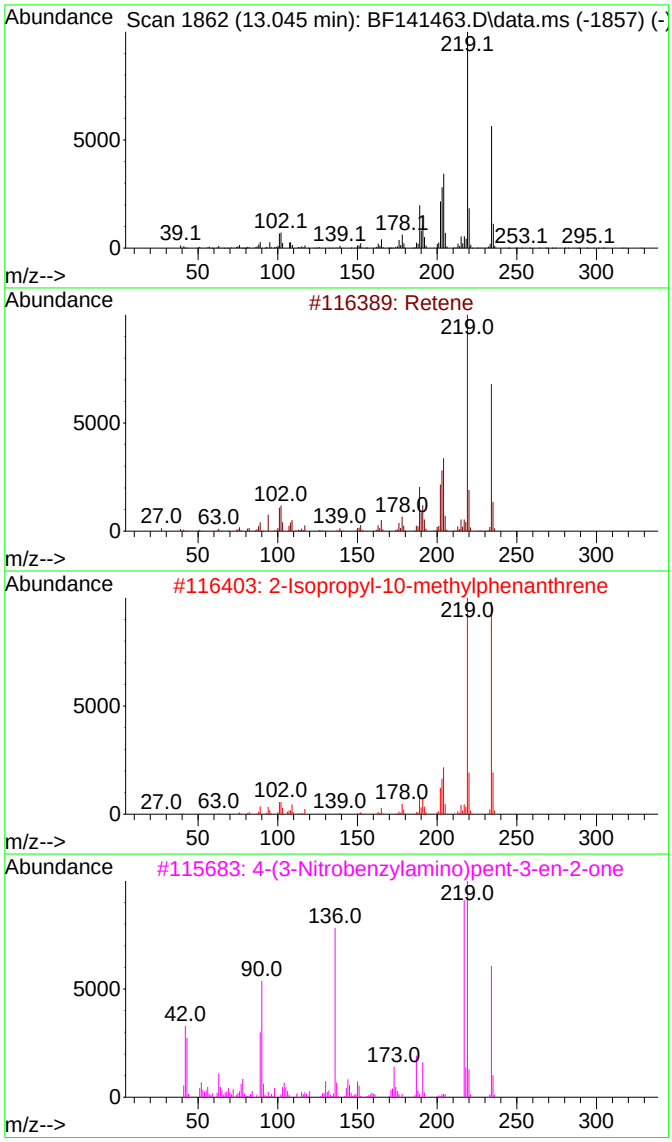
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

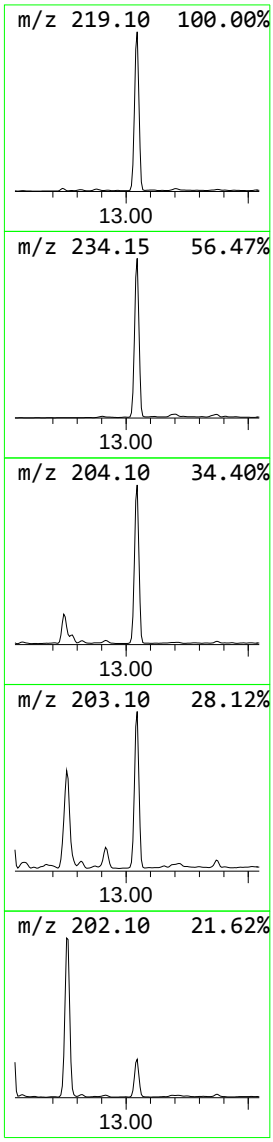
****

Peak Number 20 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	47.98 ng	1477980	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	4-(3-Nitrobenzylamino)pent-3-en-...	234	C12H14N2O3	1000328-27-9	64
4	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	53
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentanone,...	5.657	10.5	ng	214482	1	6.787	410004	20.0
unknown6.857	6.857	4.4	ng	91038	1	6.787	410004	20.0
Tridecane	8.663	5.1	ng	171948	2	8.069	668799	20.0
Tetradecane	9.228	7.2	ng	174730	3	9.828	483553	20.0
2-Ethylhexyl me...	9.422	8.0	ng	194475	3	9.828	483553	20.0
Dodecane, 2,7,1...	9.545	4.8	ng	115624	3	9.828	483553	20.0
Hexadecane	9.757	6.6	ng	159151	3	9.828	483553	20.0
Nonadecane	10.257	7.7	ng	186301	3	9.828	483553	20.0
Eicosane	10.480	5.1	ng	122718	3	9.828	483553	20.0
Benzophenone	10.539	7.4	ng	179859	3	9.828	483553	20.0
Hexadecane, 3-m...	10.739	19.0	ng	391873	4	11.316	413091	20.0
Dodecane, 1-iodo-	11.181	5.5	ng	113933	4	11.316	413091	20.0
3-Ethyl-2,6,10-...	11.210	7.3	ng	150849	4	11.316	413091	20.0
Heptadecane	11.610	4.2	ng	86515	4	11.316	413091	20.0
Anthracene, 2-m...	11.845	11.4	ng	235000	4	11.316	413091	20.0
4H-Cyclopenta[d...	11.928	14.3	ng	294929	4	11.316	413091	20.0
4b,8-Dimethyl-2...	12.098	7.8	ng	160538	4	11.316	413091	20.0
(1S,4aS,4bS,7S,...	12.175	9.0	ng	185510	4	11.316	413091	20.0
Naphthalene, 6-...	12.263	55.3	ng	1142750	4	11.316	413091	20.0
Retene	13.045	48.0	ng	1477980	5	13.963	616106	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141465.D	2	01/29/25 08:40	02/05/25 23:15	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	740	U	410	740	ug/Kg
108-95-2	Phenol	380	U	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	380	U	190	380	ug/Kg
95-57-8	2-Chlorophenol	380	U	190	380	ug/Kg
95-48-7	2-Methylphenol	380	U	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	380	U	200	380	ug/Kg
98-86-2	Acetophenone	380	U	200	380	ug/Kg
65794-96-9	3+4-Methylphenols	740	U	180	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	180	U	90.5	180	ug/Kg
67-72-1	Hexachloroethane	380	U	190	380	ug/Kg
98-95-3	Nitrobenzene	380	U	200	380	ug/Kg
78-59-1	Isophorone	380	U	190	380	ug/Kg
88-75-5	2-Nitrophenol	380	U	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	380	U	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	380	U	170	380	ug/Kg
91-20-3	Naphthalene	380	U	190	380	ug/Kg
106-47-8	4-Chloroaniline	380	U	190	380	ug/Kg
87-68-3	Hexachlorobutadiene	380	U	190	380	ug/Kg
105-60-2	Caprolactam	740	U	190	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	380	U	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	380	U	190	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	740	UQ	350	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380	U	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	380	U	170	380	ug/Kg
92-52-4	1,1-Biphenyl	380	U	200	380	ug/Kg
91-58-7	2-Chloronaphthalene	380	U	190	380	ug/Kg
88-74-4	2-Nitroaniline	380	U	210	380	ug/Kg
131-11-3	Dimethylphthalate	380	U	180	380	ug/Kg

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Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-16.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141465.D	2	01/29/25 08:40	02/05/25 23:15	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	380	U	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	380	U	190	380	ug/Kg
99-09-2	3-Nitroaniline	380	U	200	380	ug/Kg
83-32-9	Acenaphthene	380	U	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	740	U	550	740	ug/Kg
100-02-7	4-Nitrophenol	740	U	260	740	ug/Kg
132-64-9	Dibenzofuran	380	U	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	380	U	190	380	ug/Kg
84-66-2	Diethylphthalate	380	U	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	380	U	190	380	ug/Kg
86-73-7	Fluorene	380	U	190	380	ug/Kg
100-01-6	4-Nitroaniline	380	U	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	740	U	260	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	380	U	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	380	U	180	380	ug/Kg
118-74-1	Hexachlorobenzene	380	U	190	380	ug/Kg
1912-24-9	Atrazine	380	U	210	380	ug/Kg
87-86-5	Pentachlorophenol	740	U	170	740	ug/Kg
85-01-8	Phenanthrene	620		190	380	ug/Kg
120-12-7	Anthracene	190	J	190	380	ug/Kg
86-74-8	Carbazole	380	U	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	380	U	190	380	ug/Kg
206-44-0	Fluoranthene	1200		180	380	ug/Kg
129-00-0	Pyrene	920		190	380	ug/Kg
85-68-7	Butylbenzylphthalate	380	U	220	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740	U	220	740	ug/Kg
56-55-3	Benzo(a)anthracene	570		180	380	ug/Kg
218-01-9	Chrysene	440		180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	740	U	250	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	610		180	380	ug/Kg

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Report of Analysis

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Client Sample ID:	JPP-16.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141465.D	2	01/29/25 08:40	02/05/25 23:15	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	320	J	190	380	ug/Kg
50-32-8	Benzo(a)pyrene	590		210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260	J	180	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380	U	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310	J	180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U	190	380	ug/Kg
123-91-1	1,4-Dioxane	380	U	250	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	380	U	170	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	95.0		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.9		18 - 107	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.6		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.3		10 - 116	66%	SPK: 150
1718-51-0	Terphenyl-d14	71.1		10 - 105	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	63200	6.792			
1146-65-2	Naphthalene-d8	227000	8.075			
15067-26-2	Acenaphthene-d10	108000	9.827			
1517-22-2	Phenanthrene-d10	186000	11.316			
1719-03-5	Chrysene-d12	136000	13.957			
1520-96-3	Perylene-d12	101000	15.415			
TENTATIVE IDENTIFIED COMPOUNDS						
000544-76-3	Hexadecane	180	J		8.66	ug/Kg
000629-92-5	Nonadecane	240	J		9.23	ug/Kg
000119-61-9	Benzophenone	460	J		10.5	ug/Kg
000629-50-5	Tridecane	160	J		10.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	440	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	280	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	160	J		12.3	ug/Kg

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Report of Analysis

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Client Sample ID:	JPP-16.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141465.D	2	01/29/25 08:40	02/05/25 23:15	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000483-65-8	Retene	330	J		13.0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:51:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.792	152	63173	20.000	ng		-0.01
21) Naphthalene-d8	8.075	136	226729	20.000	ng		#-0.01
39) Acenaphthene-d10	9.827	164	107544	20.000	ng		-0.01
64) Phenanthrene-d10	11.316	188	186178	20.000	ng		-0.01
76) Chrysene-d12	13.957	240	135658	20.000	ng		-0.02
86) Perylene-d12	15.415	264	100723	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	209066	50.806	ng		0.00
7) Phenol-d6	6.428	99	248752	47.519	ng		-0.01
23) Nitrobenzene-d5	7.351	82	159016	36.973	ng		-0.02
42) 2,4,6-Tribromophenol	10.616	330	48453	49.144	ng		-0.02
45) 2-Fluorobiphenyl	9.145	172	274726	39.319	ng		-0.02
79) Terphenyl-d14	12.904	244	312760	35.555	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.339	178	83232	8.317	ng		99
72) Anthracene	11.386	178	24878	2.537	ng		98
75) Fluoranthene	12.527	202	160391	16.231	ng		97
78) Pyrene	12.757	202	160295	12.310	ng		99
81) Benzo(a)anthracene	13.945	228	71505	7.638	ng		96
83) Chrysene	13.980	228	50540	5.891	ng		97
84) Bis(2-ethylhexyl)phtha...	13.939	149	11573	2.005	ng	#	94
87) Indeno(1,2,3-cd)pyrene	16.856	276	22270	3.426	ng	#	90
88) Benzo(b)fluoranthene	14.998	252	51439m	8.119	ng		
89) Benzo(k)fluoranthene	15.009	252	24214m	4.314	ng		
90) Benzo(a)pyrene	15.357	252	42158	7.874	ng		92
92) Benzo(g,h,i)perylene	17.292	276	22451	4.128	ng	#	93

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

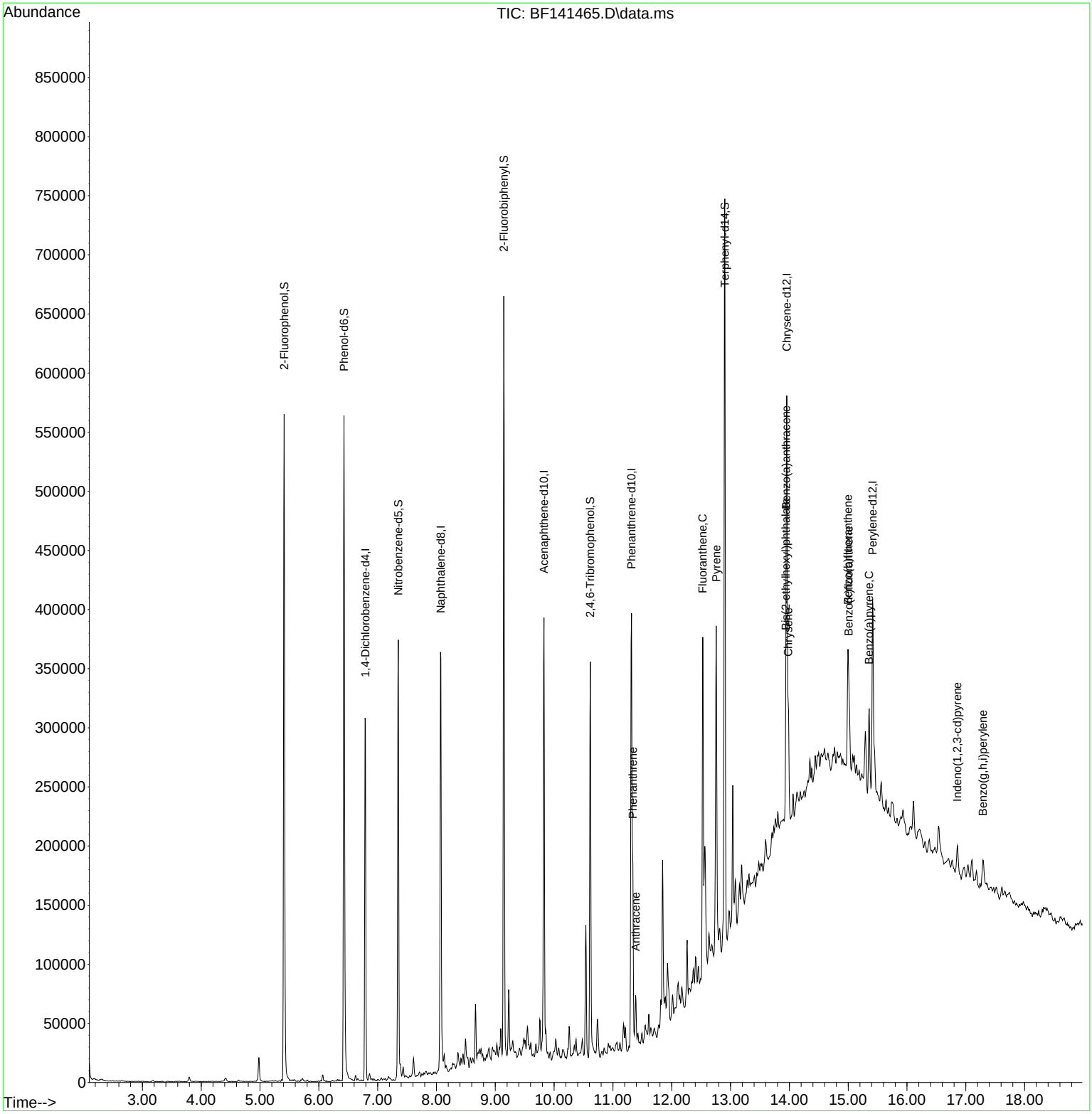
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

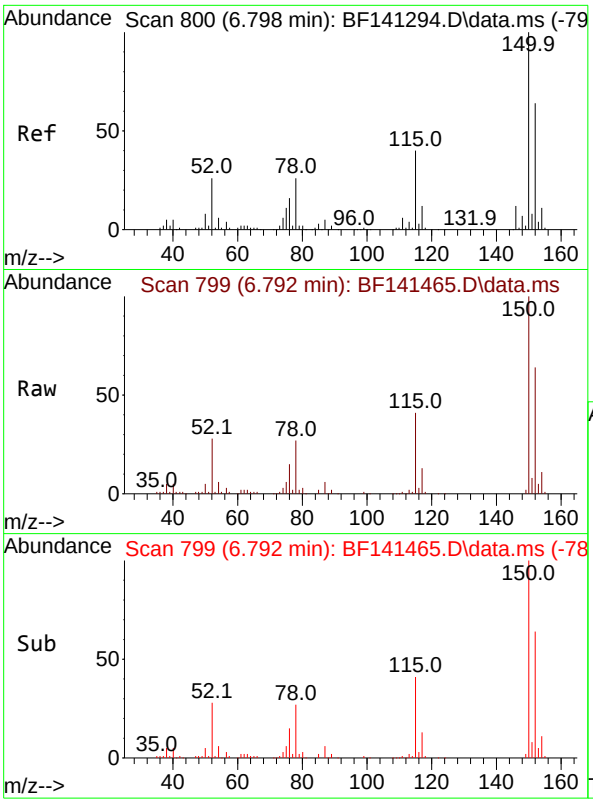
Quant Time: Feb 06 01:51:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

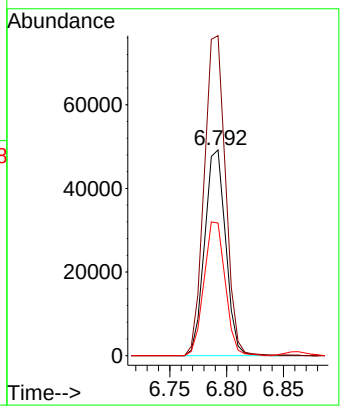




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:152 Resp: 6317

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	64.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
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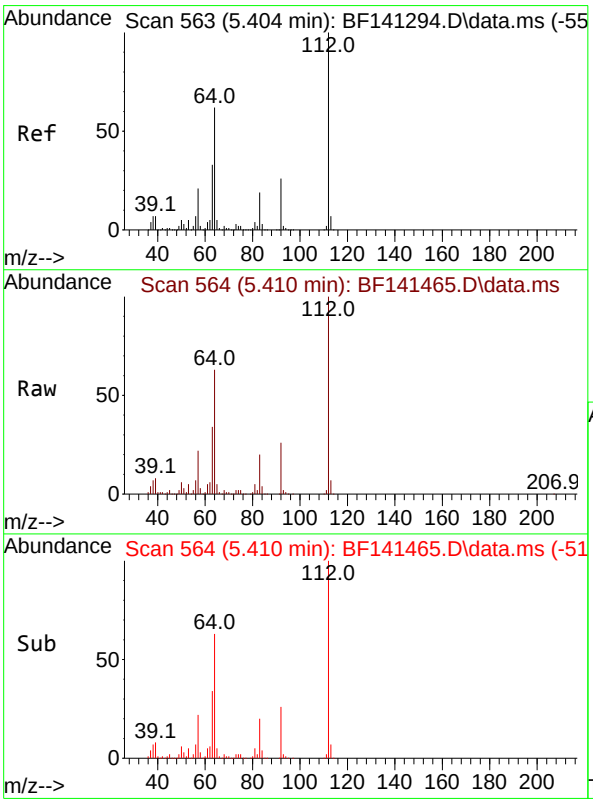
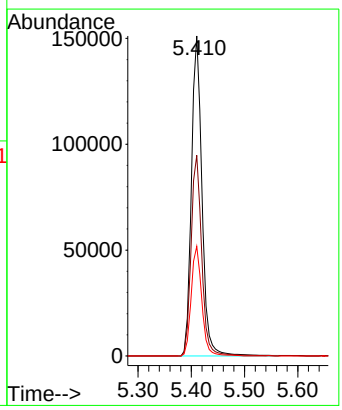
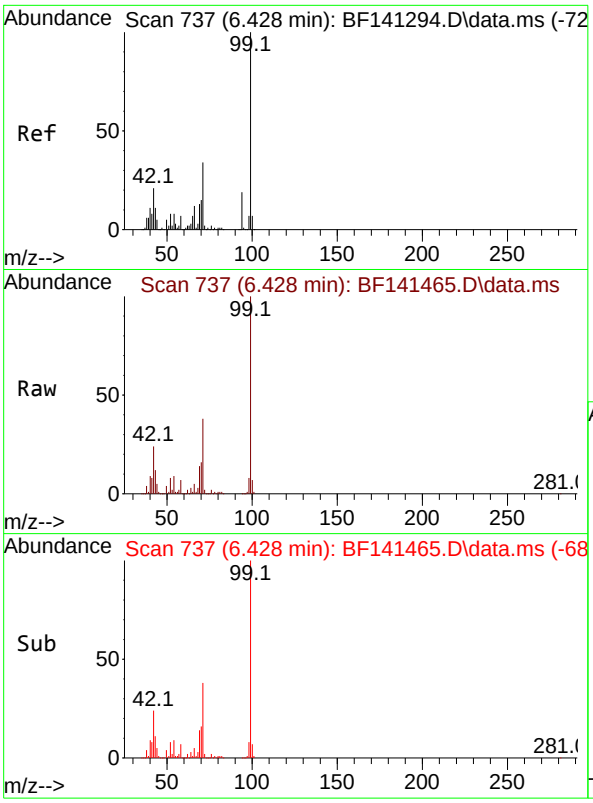


#5
2-Fluorophenol
Concen: 50.806 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:112 Resp: 209066

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	34.3	26.1	39.1





#7
Phenol-d6
Concen: 47.519 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 99 Resp: 24875

Ion	Ratio	Lower	Upper
99	100		
42	23.5	17.1	25.7
71	38.0	26.9	40.3

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
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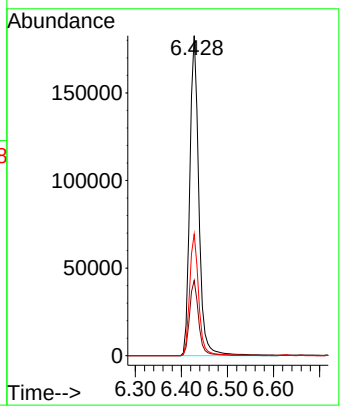
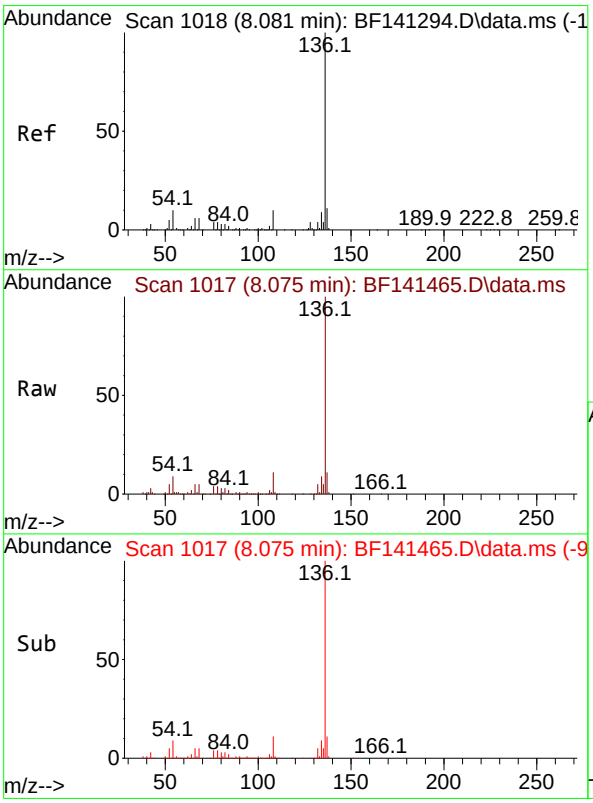
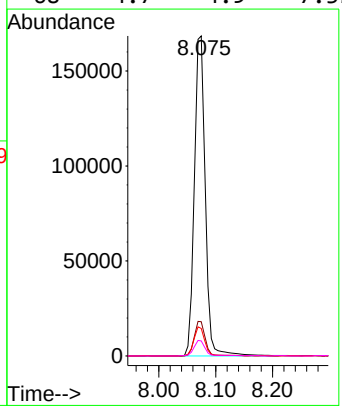


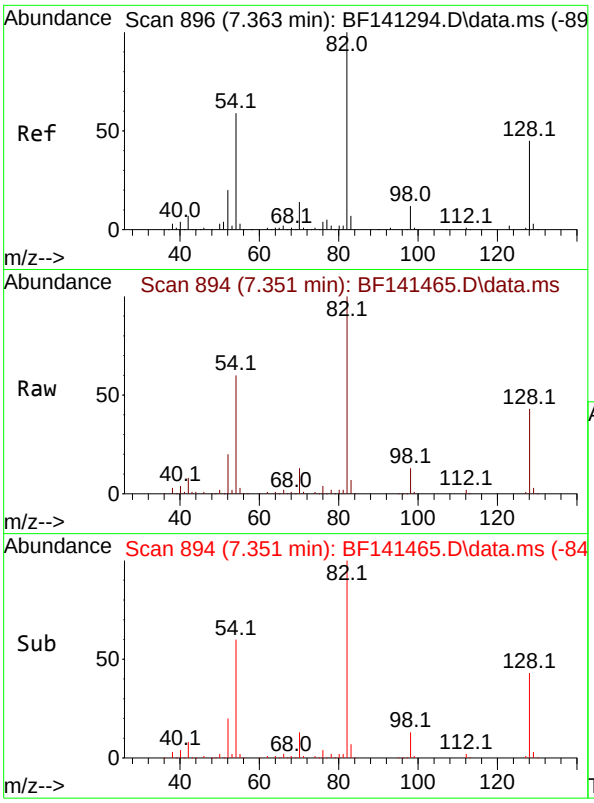


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:136 Resp: 226729

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.6	7.8	11.8
68	4.7	4.9	7.3#

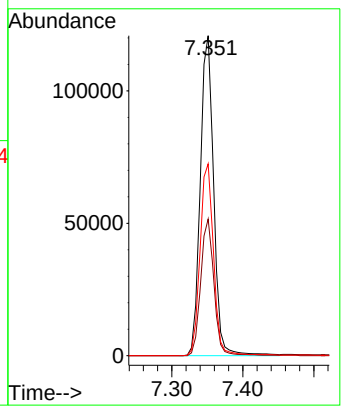




#23
Nitrobenzene-d5
Concen: 36.973 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion: 82 Resp: 15901

Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.7	53.5
54	60.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
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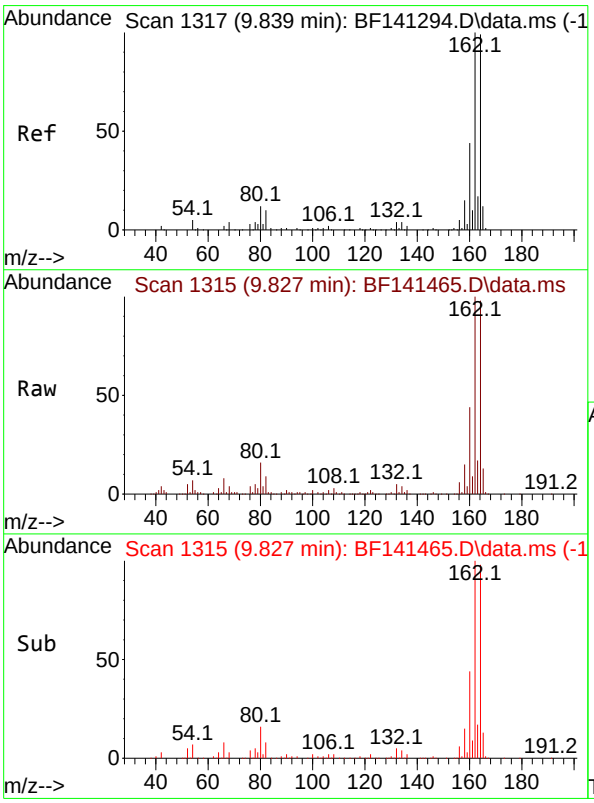
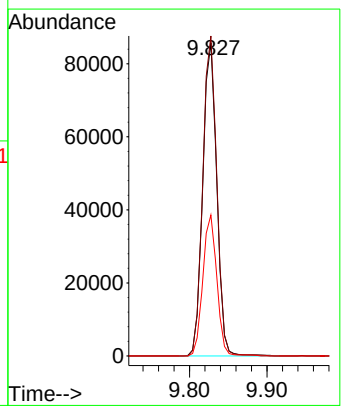
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

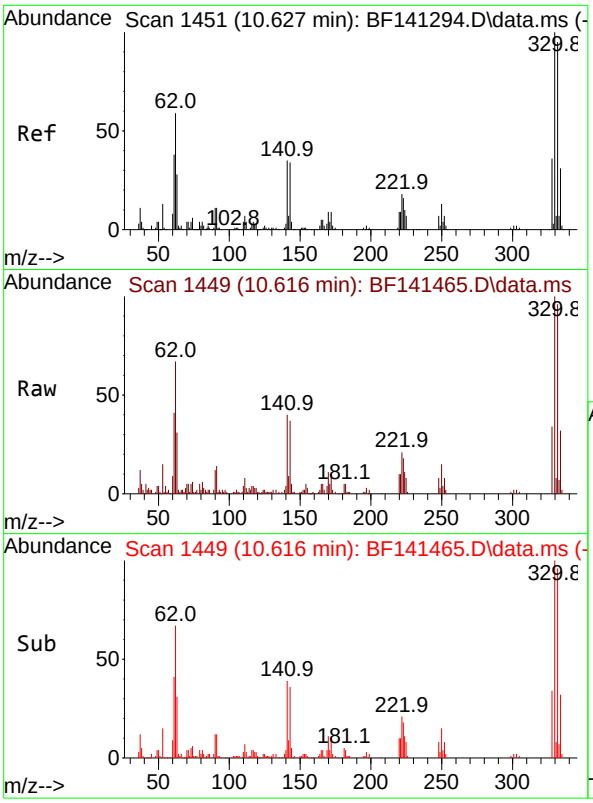


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:164 Resp: 107544

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	121.0
160	45.0	35.8	53.6

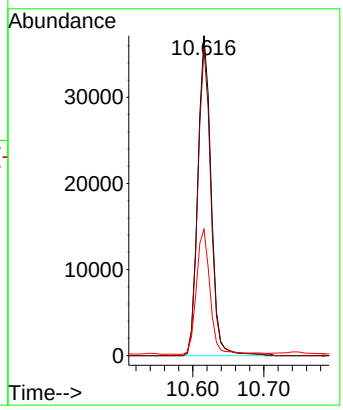




#42
2,4,6-Tribromophenol
Concen: 49.144 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:330 Resp: 4845

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.1	114.1
141	39.8	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

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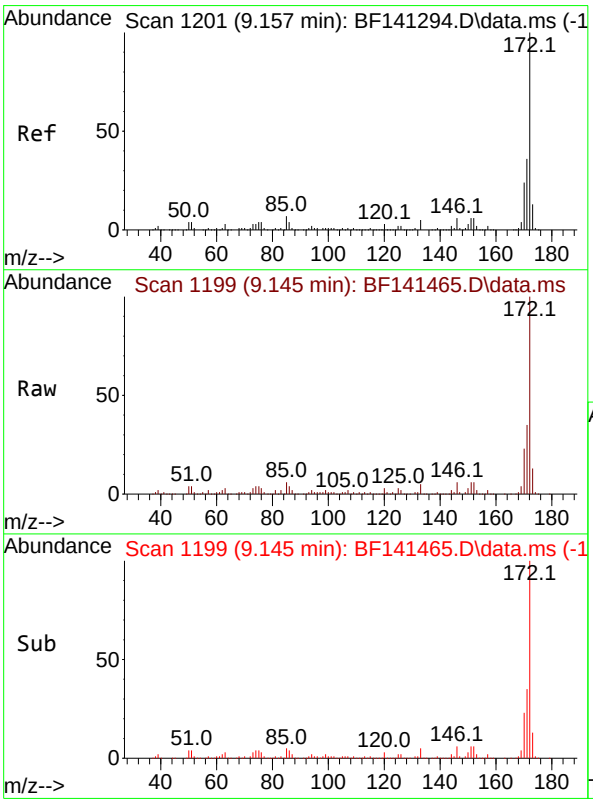
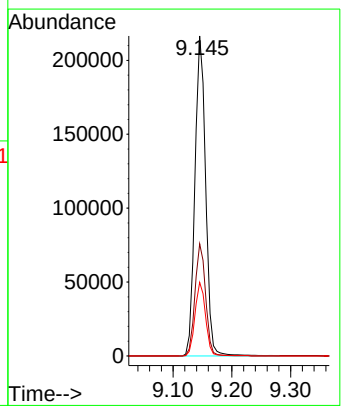
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

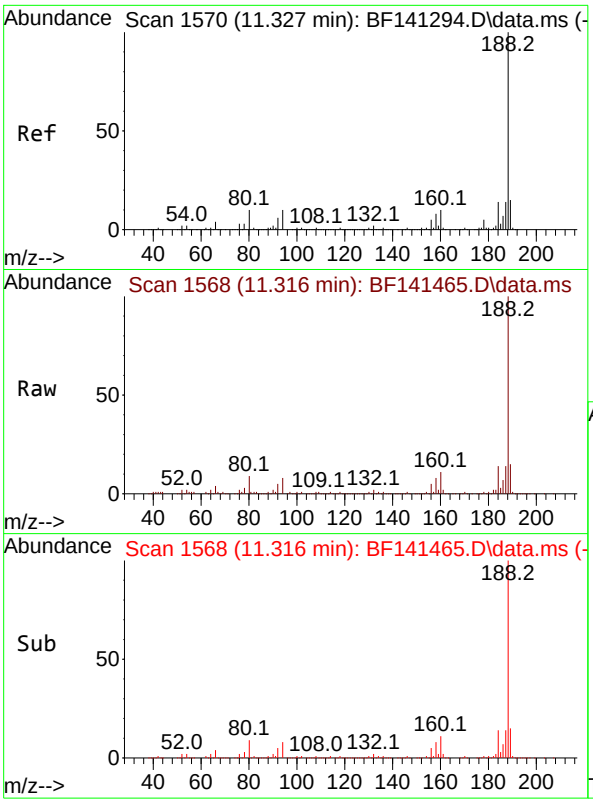


#45
2-Fluorobiphenyl
Concen: 39.319 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:172 Resp: 274726

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.0	19.0	28.6

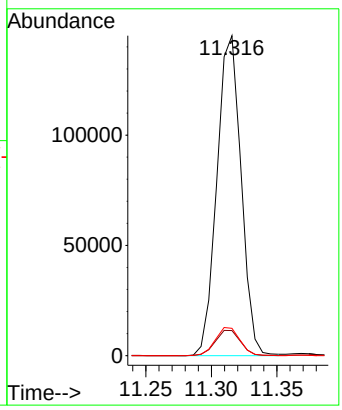




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:188 Resp: 18617

Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.8	11.6
80	8.6	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

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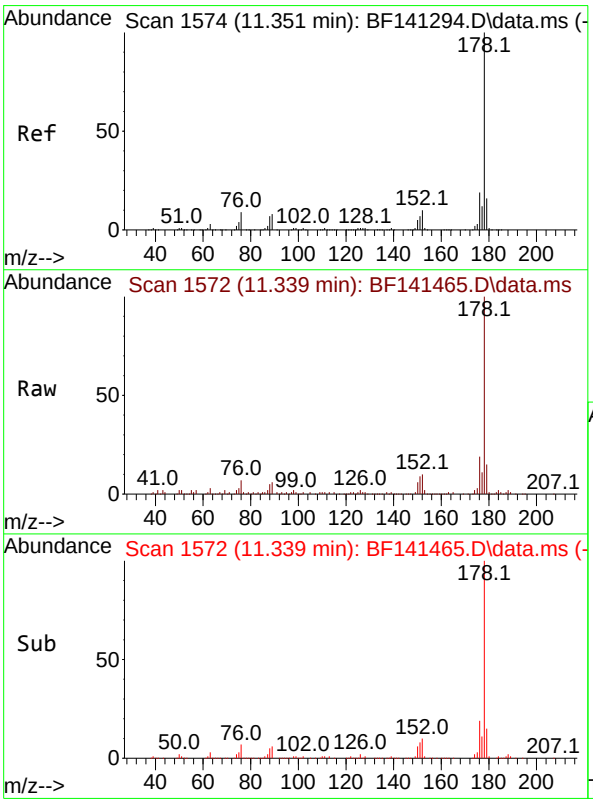
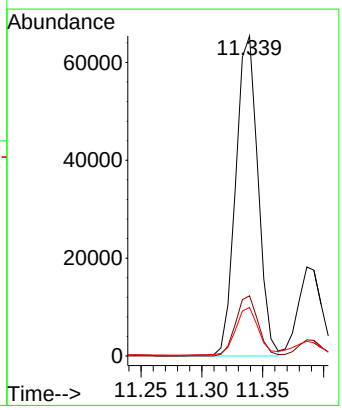
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

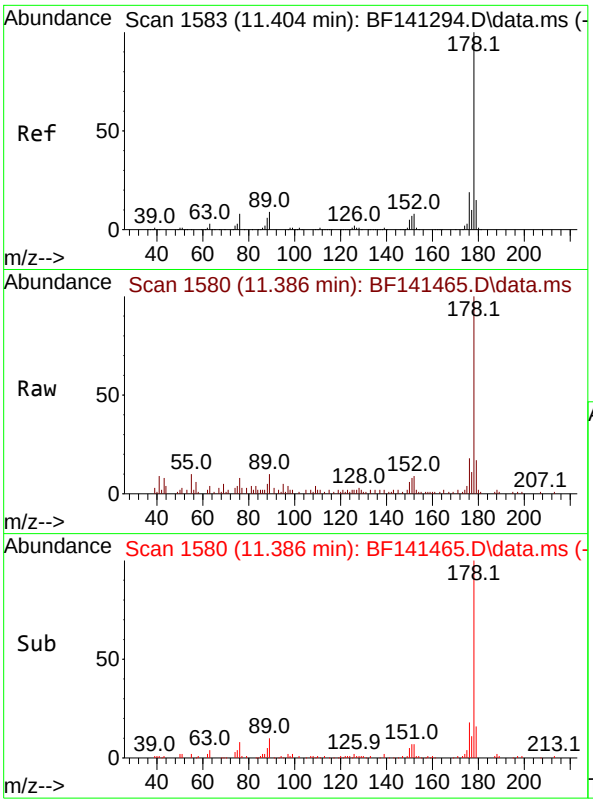


#71
Phenanthrene
Concen: 8.317 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:178 Resp: 83232

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.5	18.7

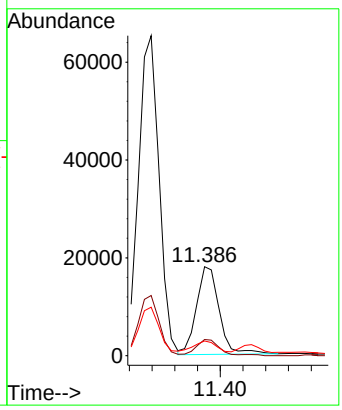




#72
Anthracene
Concen: 2.537 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:178 Resp: 2487

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	16.5	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

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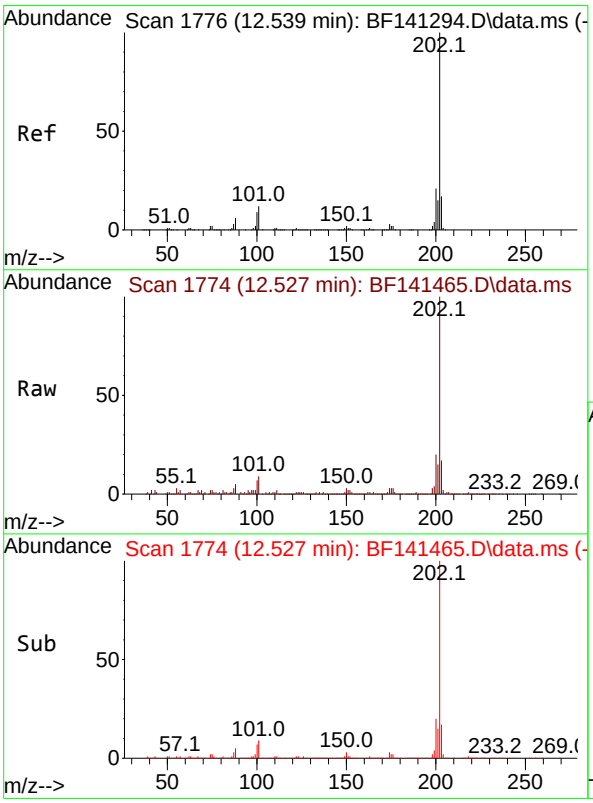
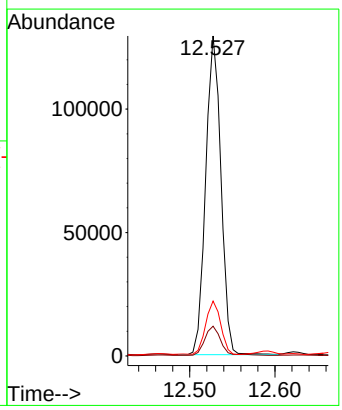
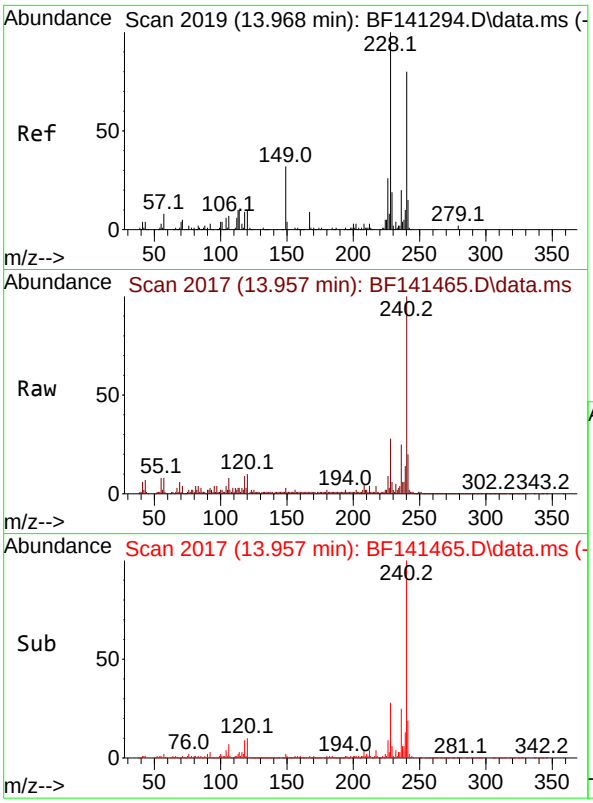


#75
Fluoranthene
Concen: 16.231 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:202 Resp: 160391

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.7
203	17.2	0.0	37.5

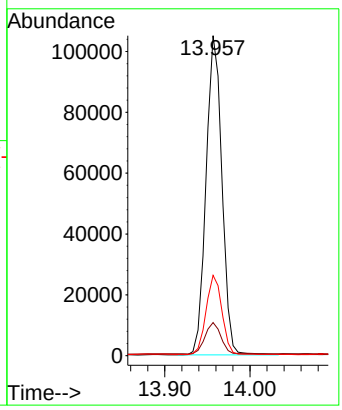




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:240 Resp: 13565

Ion	Ratio	Lower	Upper
240	100		
120	10.4	10.0	15.0
236	25.1	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
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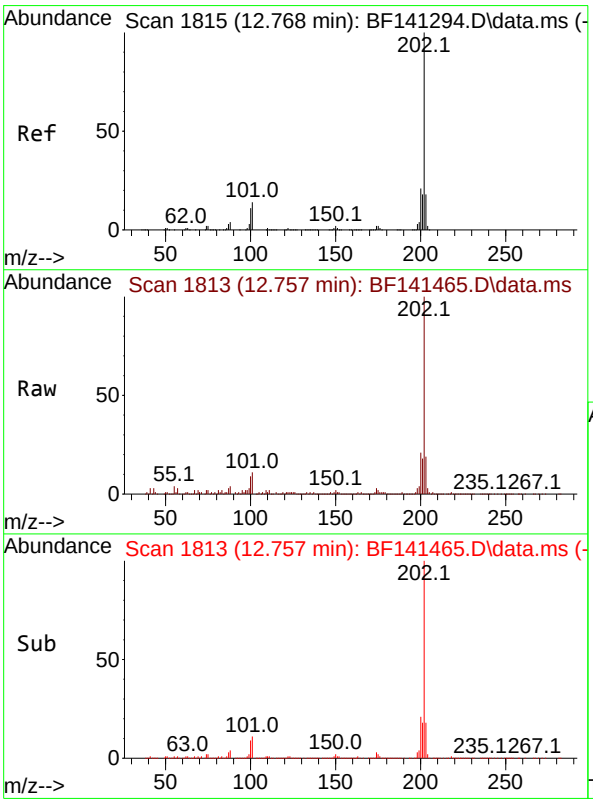
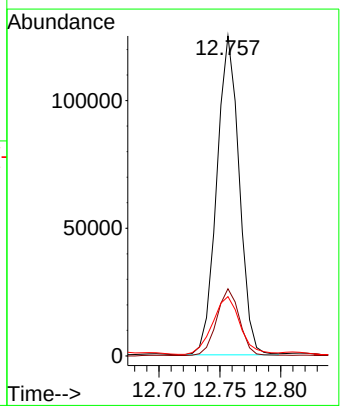
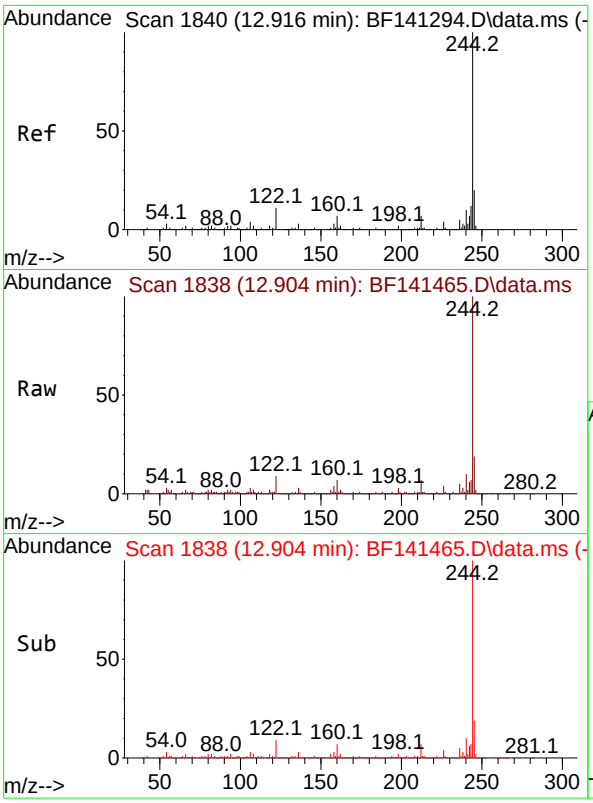


#78
Pyrene
Concen: 12.310 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:202 Resp: 160295

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.5	14.3	21.5

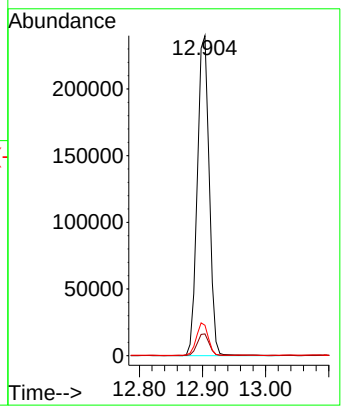




#79
Terphenyl-d14
Concen: 35.555 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:244 Resp: 31276

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
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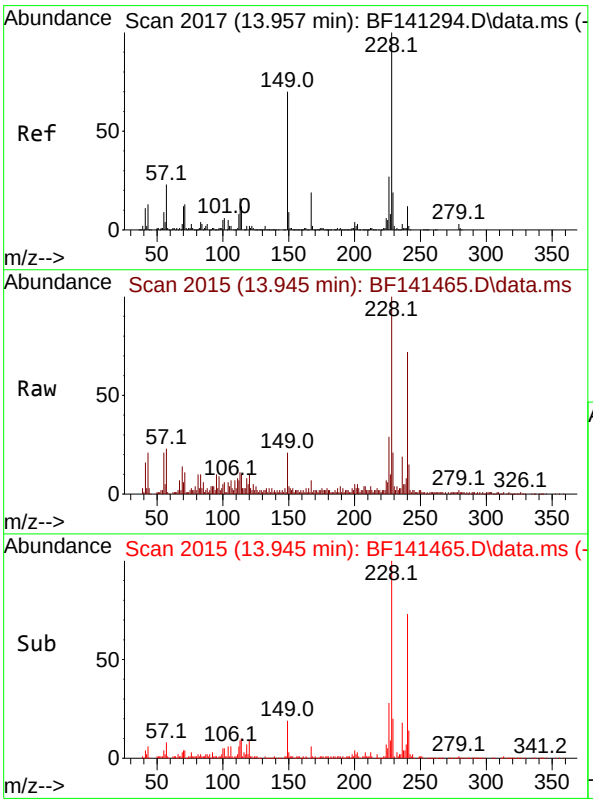
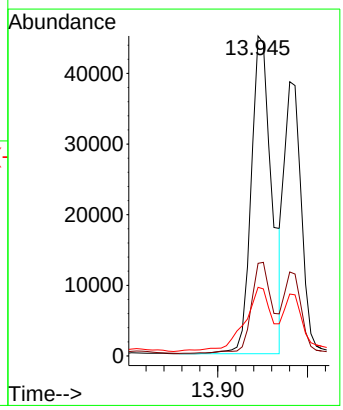
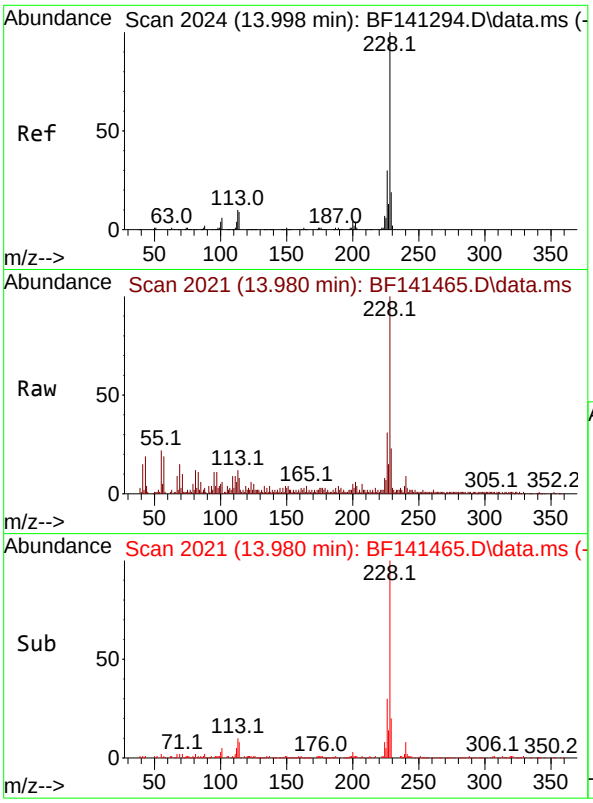


#81
Benzo(a)anthracene
Concen: 7.638 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:228 Resp: 71505

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.4	32.2
229	21.5	15.5	23.3

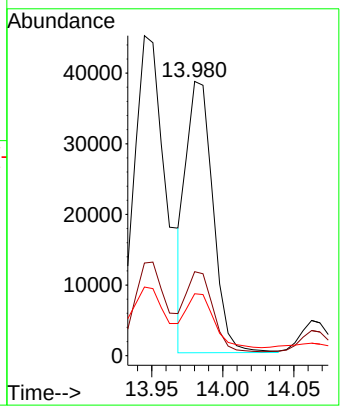




#83
Chrysene
Concen: 5.891 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:228 Resp: 5054

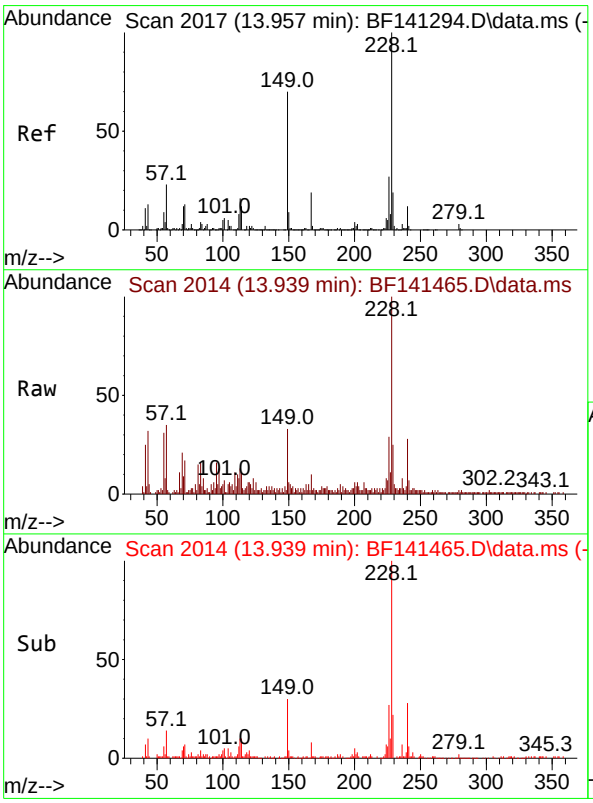
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	22.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
APPROVED

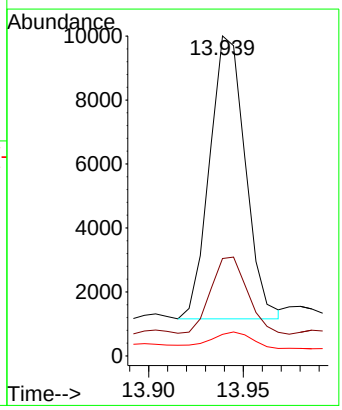
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

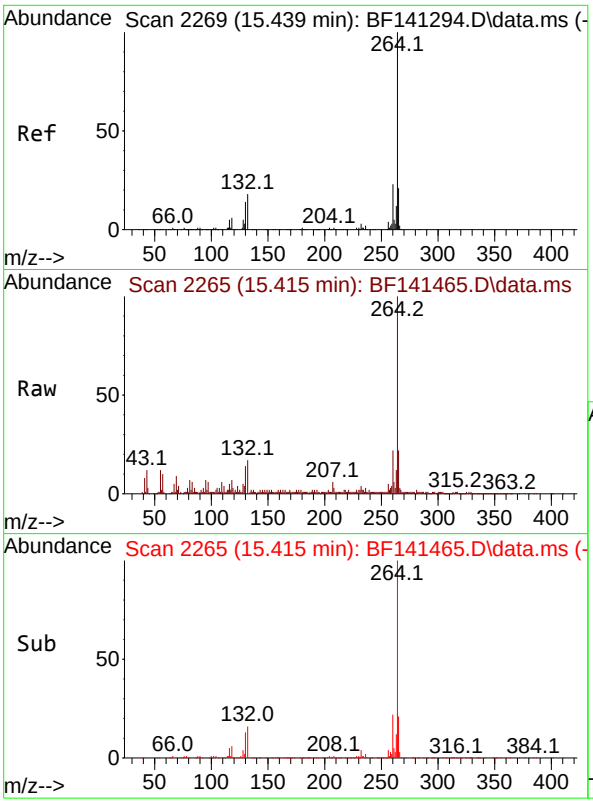


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.005 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:149 Resp: 11573

Ion	Ratio	Lower	Upper
149	100		
167	30.4	21.8	32.8
279	6.7	3.3	4.9#

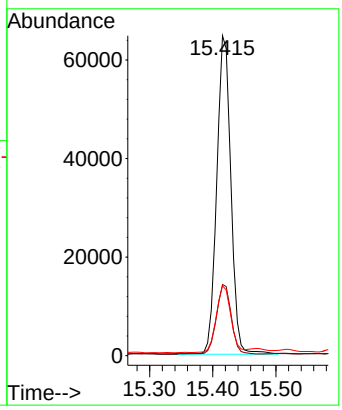




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:264 Resp: 10072

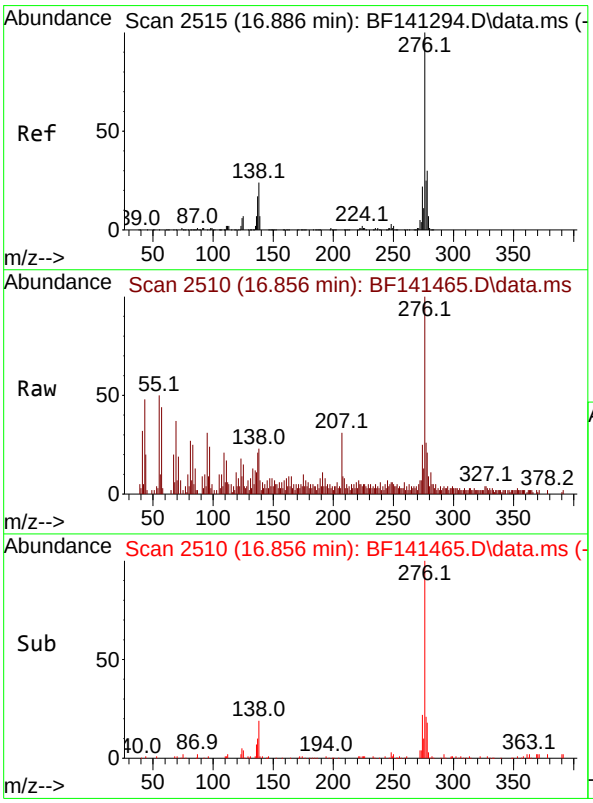
Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.6	27.8
265	21.9	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
APPROVED

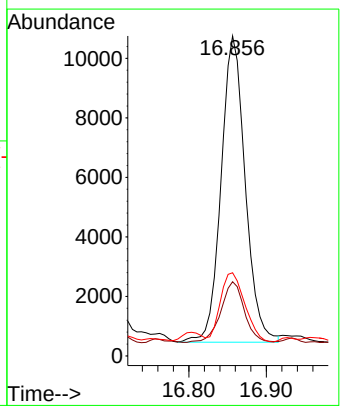
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

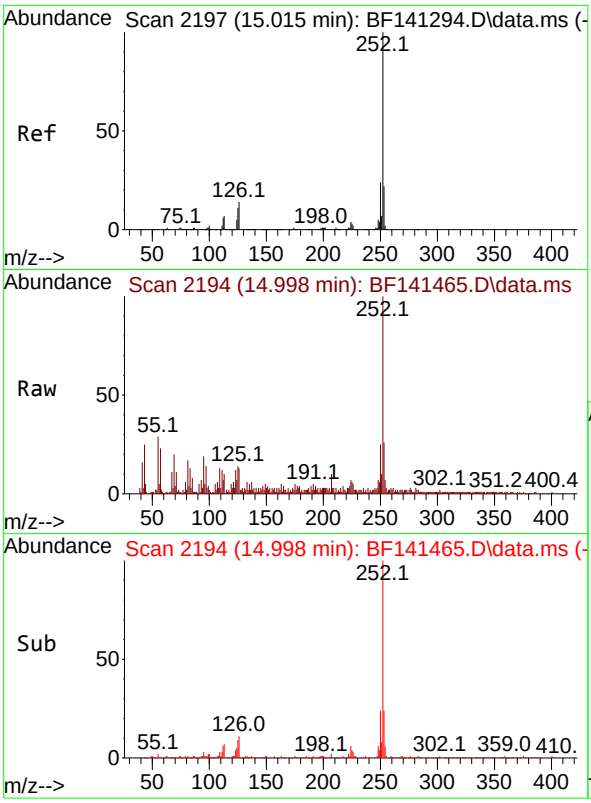


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.426 ng
RT: 16.856 min Scan# 2510
Delta R.T. -0.041 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:276 Resp: 22270

Ion	Ratio	Lower	Upper
276	100		
138	19.4	21.7	32.5#
277	23.0	20.3	30.5

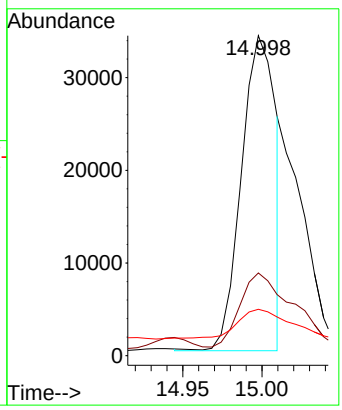




#88
Benzo(b)fluoranthene
Concen: 8.119 ng m
RT: 14.998 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:252 Resp: 5143

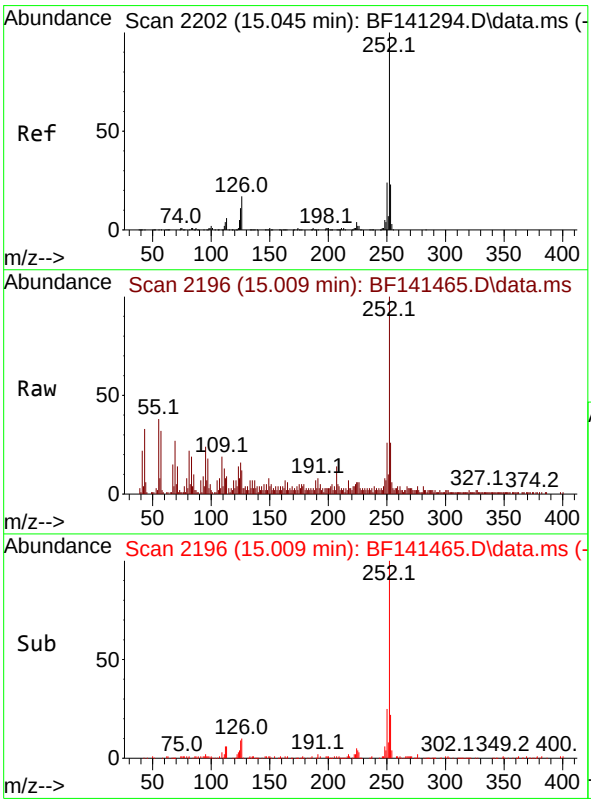
Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.4	26.2
125	14.5	8.6	12.8#



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
APPROVED

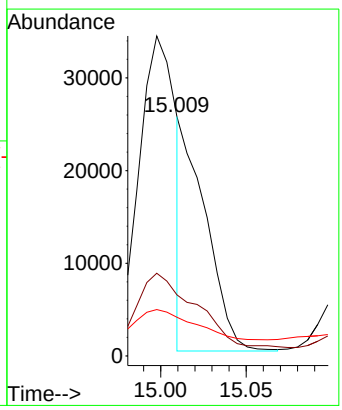
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

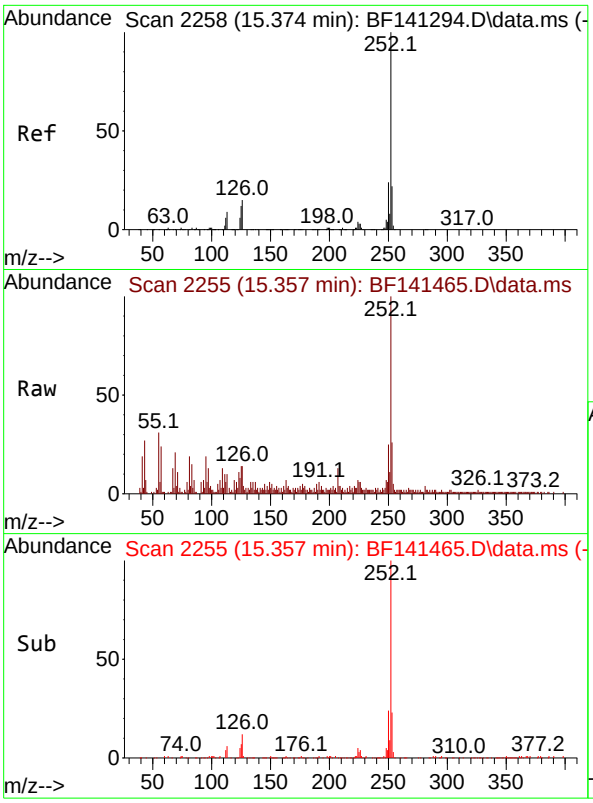


#89
Benzo(k)fluoranthene
Concen: 4.314 ng m
RT: 15.009 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:252 Resp: 24214

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	16.1	8.4	12.6#

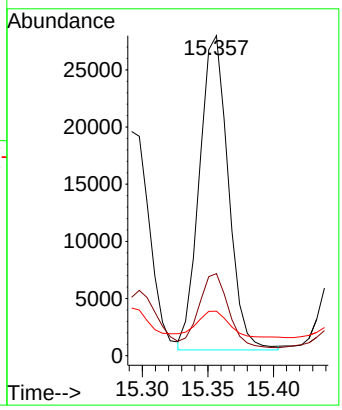




#90
Benzo(a)pyrene
Concen: 7.874 ng
RT: 15.357 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:252 Resp: 4215

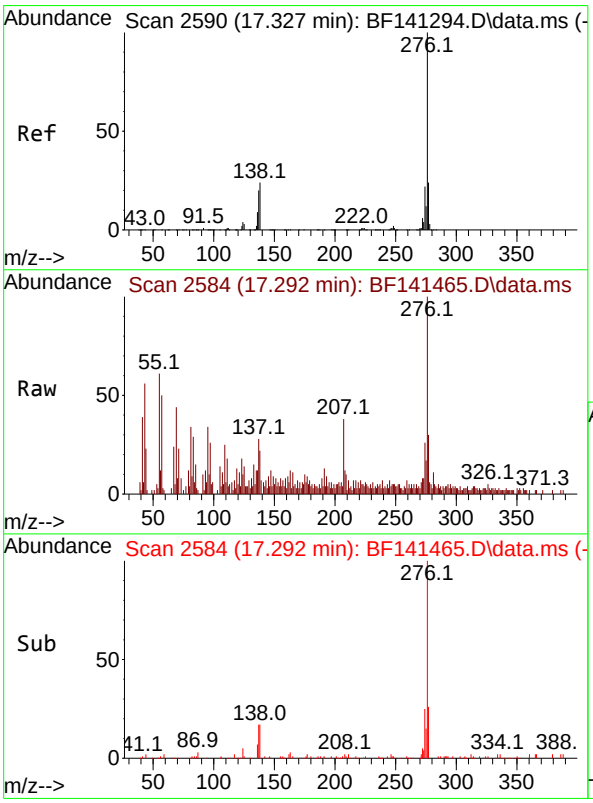
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	13.9	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Manual Integrations
APPROVED

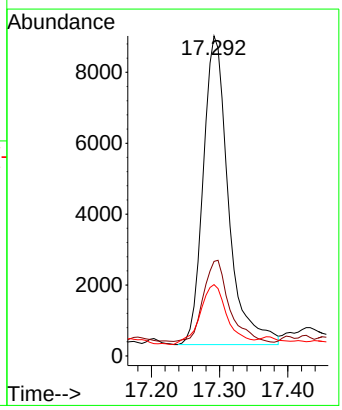
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 4.128 ng
RT: 17.292 min Scan# 2584
Delta R.T. -0.053 min
Lab File: BF141465.D
Acq: 05 Feb 2025 23:15

Tgt Ion:276 Resp: 22451

Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.2	28.8#
138	22.3	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141465.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.798	280	290	296	rBV2	4245	9142	1.07%	0.094%
2	4.981	486	491	503	rVB	20301	30952	3.64%	0.318%
3	5.410	559	564	580	rVB	563689	774576	91.06%	7.952%
4	6.428	732	737	759	rBV	562735	778428	91.51%	7.991%
5	6.786	793	798	805	rBV	306651	396589	46.62%	4.071%
6	6.863	805	811	815	rBV3	5430	8682	1.02%	0.089%
7	7.351	884	894	899	rBV	372484	492891	57.94%	5.060%
8	7.434	904	908	912	rVB3	8279	12134	1.43%	0.125%
9	7.610	932	938	944	rVB3	15289	24564	2.89%	0.252%
10	8.069	1010	1016	1024	rBV	353814	511096	60.08%	5.247%
11	8.133	1024	1027	1030	rVV	14143	19538	2.30%	0.201%
12	8.363	1060	1066	1072	rBV8	13336	27655	3.25%	0.284%
13	8.451	1078	1081	1085	rVB3	8419	9597	1.13%	0.099%
14	8.492	1085	1088	1094	rBV	21750	34509	4.06%	0.354%
15	8.575	1099	1102	1106	rBV3	8293	13467	1.58%	0.138%
16	8.663	1113	1117	1121	rBV	49765	62151	7.31%	0.638%
17	8.951	1162	1166	1169	rBV5	10347	17941	2.11%	0.184%
18	9.028	1176	1179	1183	rVB4	10434	12340	1.45%	0.127%
19	9.092	1187	1190	1194	rVV2	22738	27602	3.24%	0.283%
20	9.145	1194	1199	1208	rVB	642479	801750	94.25%	8.231%
21	9.228	1209	1213	1218	rBV	55440	76587	9.00%	0.786%
22	9.298	1222	1225	1231	rVB4	9987	13870	1.63%	0.142%
23	9.486	1254	1257	1259	rBV2	7413	8806	1.04%	0.090%
24	9.545	1263	1267	1271	rBV3	19130	29426	3.46%	0.302%
25	9.692	1288	1292	1295	rBV3	10741	16465	1.94%	0.169%
26	9.757	1300	1303	1307	rVB	26023	30071	3.54%	0.309%
27	9.827	1307	1315	1319	rBV	366080	473444	55.66%	4.860%
28	10.027	1346	1349	1354	rVB2	13249	19099	2.25%	0.196%
29	10.075	1355	1357	1362	rVB3	7936	10560	1.24%	0.108%
30	10.145	1366	1369	1376	rVB9	6665	14084	1.66%	0.145%
31	10.257	1385	1388	1394	rVB	25117	30992	3.64%	0.318%
32	10.345	1400	1403	1405	rBV	7188	8581	1.01%	0.088%
33	10.374	1405	1408	1413	rVB	13791	17614	2.07%	0.181%
34	10.480	1424	1426	1430	rVB3	13156	15084	1.77%	0.155%
35	10.539	1431	1436	1443	rVB	112038	144524	16.99%	1.484%
36	10.616	1444	1449	1462	rBV	334468	471027	55.37%	4.836%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.739	1465	1470	1477	rVB	32310	60566	7.12%	0.622%
38	10.851	1486	1489	1497	rBV8	5845	11142	1.31%	0.114%
39	11.180	1541	1545	1548	rBV4	19410	30540	3.59%	0.314%
40	11.210	1548	1550	1556	rVB	20107	26147	3.07%	0.268%
41	11.316	1563	1568	1571	rBV	367010	560075	65.84%	5.750%
42	11.386	1576	1580	1584	rVB	37671	52662	6.19%	0.541%
43	11.610	1615	1618	1621	rVB	17005	18298	2.15%	0.188%
44	11.816	1650	1653	1654	rBV	21572	22449	2.64%	0.230%
45	11.845	1654	1658	1663	rVV	126988	166206	19.54%	1.706%
46	11.927	1668	1672	1681	rVB2	48545	103308	12.14%	1.061%
47	12.263	1725	1729	1732	rBV	48198	60698	7.14%	0.623%
48	12.527	1770	1774	1777	rBV	286876	375555	44.15%	3.855%
49	12.563	1777	1780	1788	rVB2	101823	194138	22.82%	1.993%
50	12.757	1807	1813	1819	rBV	276188	416101	48.92%	4.272%
51	12.904	1833	1838	1845	rVB	626605	850661	100.00%	8.733%
52	13.039	1857	1861	1865	rBV	115379	150233	17.66%	1.542%
53	13.957	2012	2017	2028	rVB2	358092	681162	80.07%	6.993%
54	14.998	2191	2194	2203	rVB	102317	210995	24.80%	2.166%
55	15.415	2261	2265	2276	rVB	163273	304019	35.74%	3.121%

Sum of corrected areas: 9740793

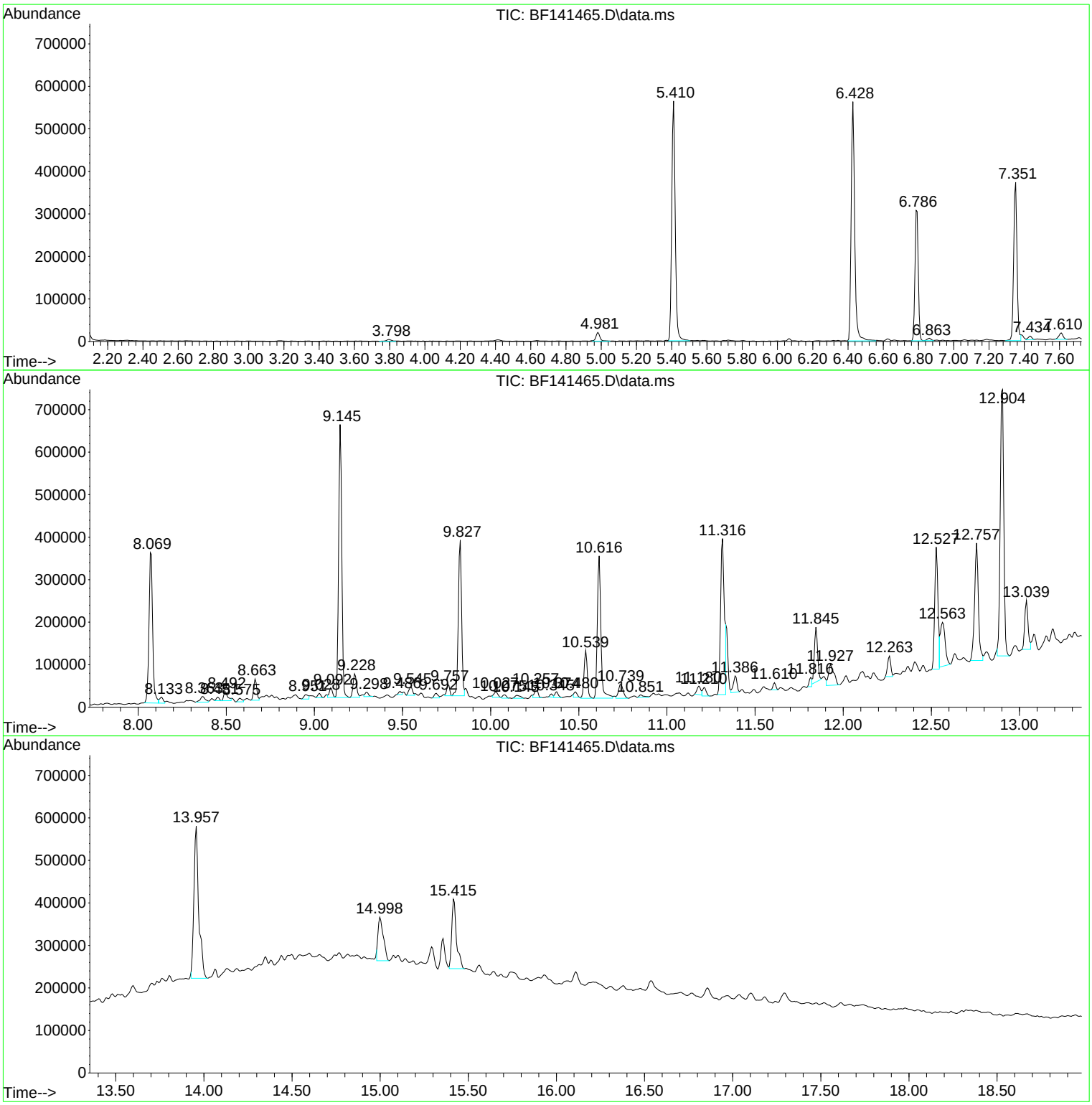
Sample Results: **BF141465.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

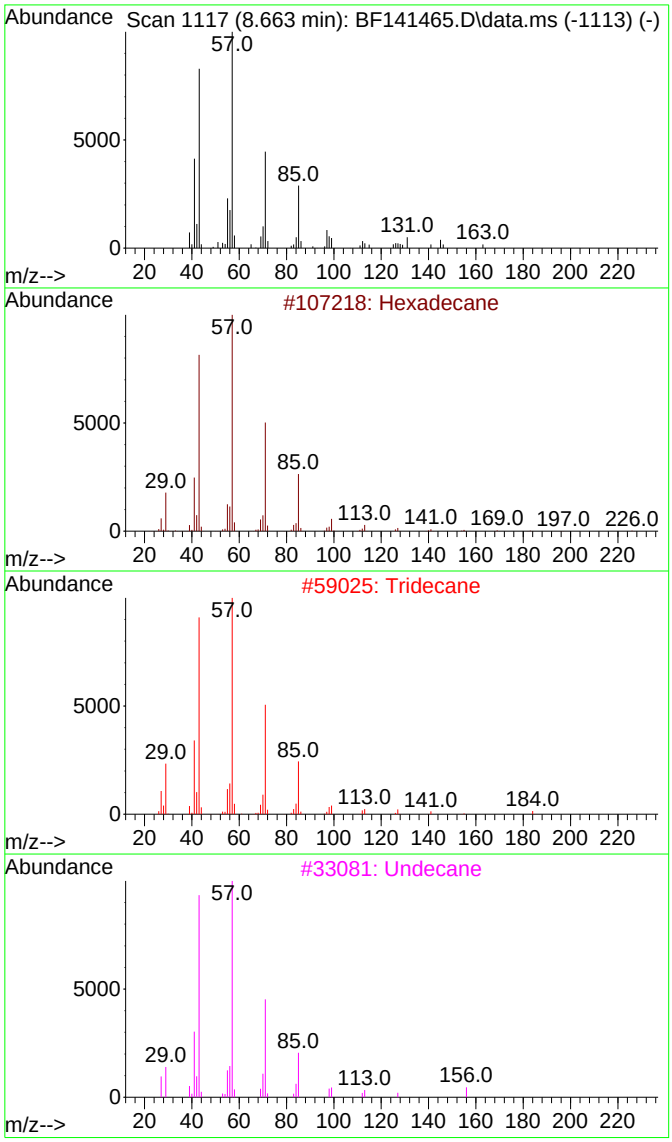
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

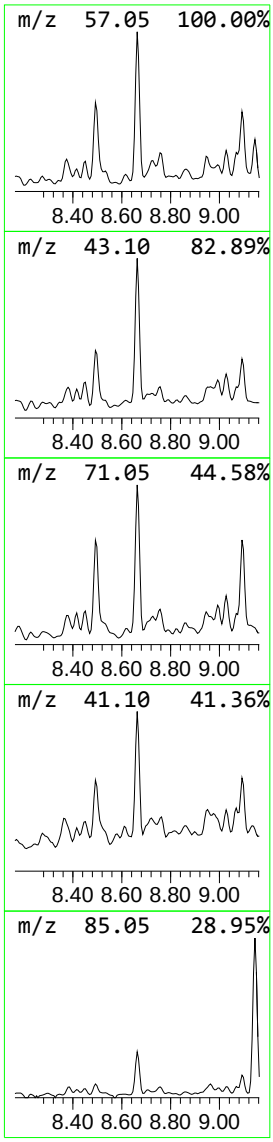
****

Peak Number 1 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.663	2.43 ng	62151	Naphthalene-d8	8.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	80
2	Tridecane	184	C13H28	000629-50-5	72
3	Undecane	156	C11H24	001120-21-4	64
4	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
5	Heptadecane	240	C17H36	000629-78-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

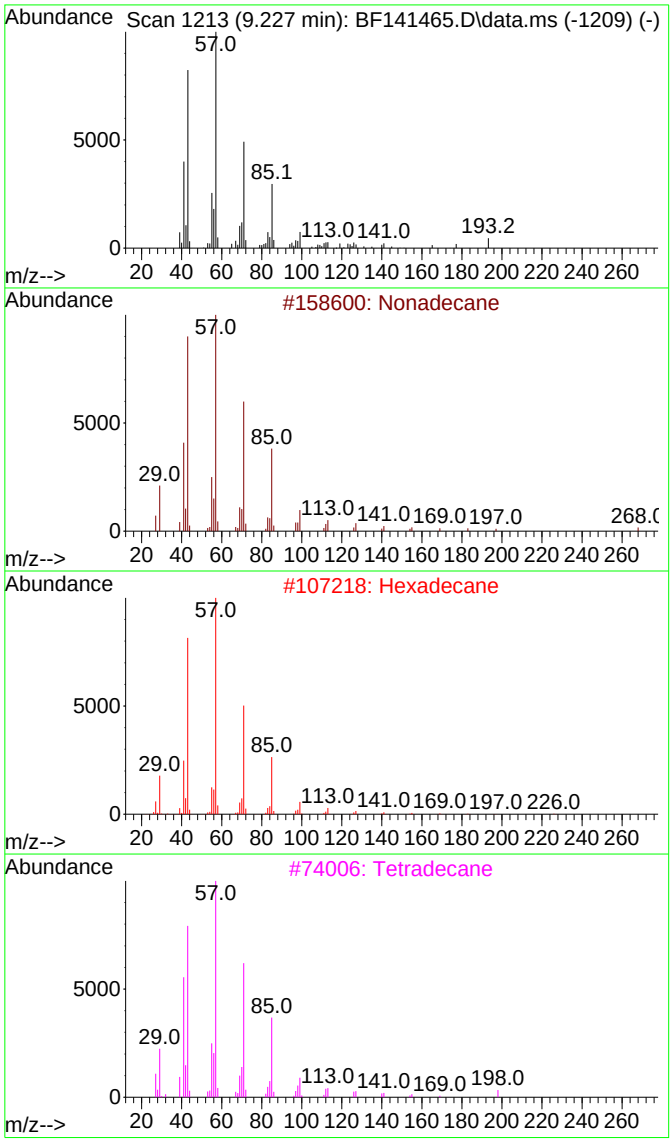
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

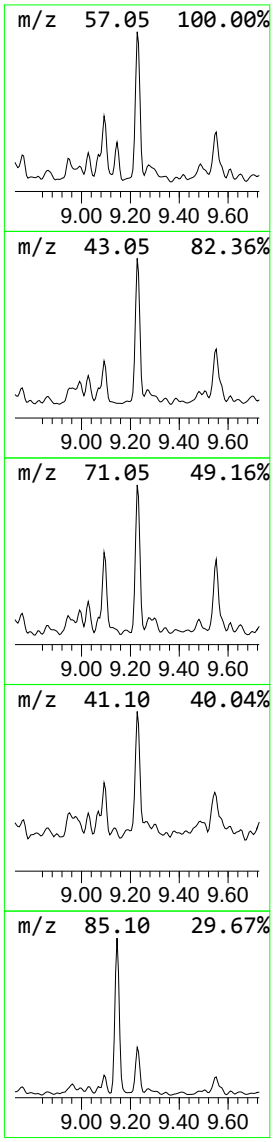
****

Peak Number 2 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.227	3.24 ng	76587	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane	198	C14H30	000629-59-4	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
5	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On    : 05 Feb 2025  23:15
Operator  : RC/JU
Sample    : Q1207-15 2X
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

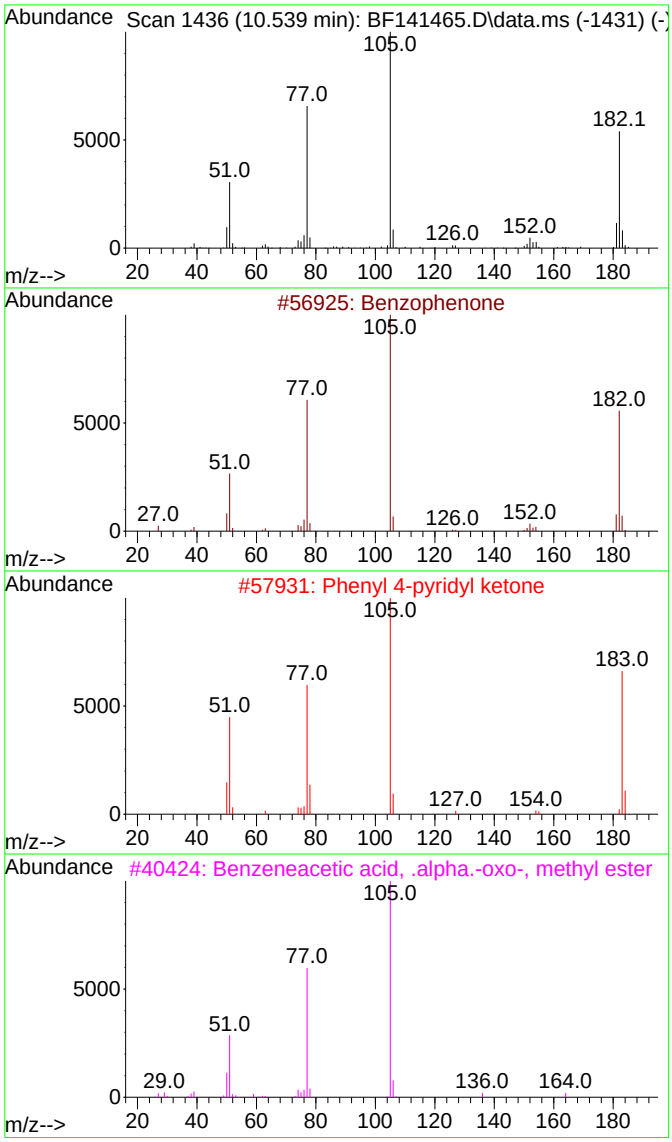
Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

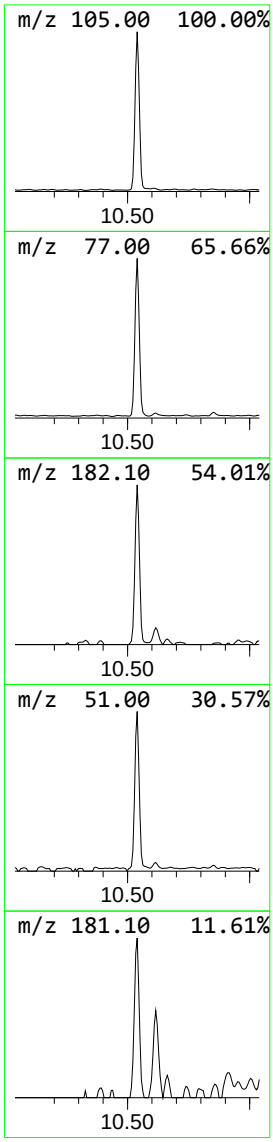
****

Peak Number 3 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	6.11 ng	144524	Acenaphthene-d10	9.827

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	60
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
5	N-cyanobenzamide	146	C8H6N2O	015150-25-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

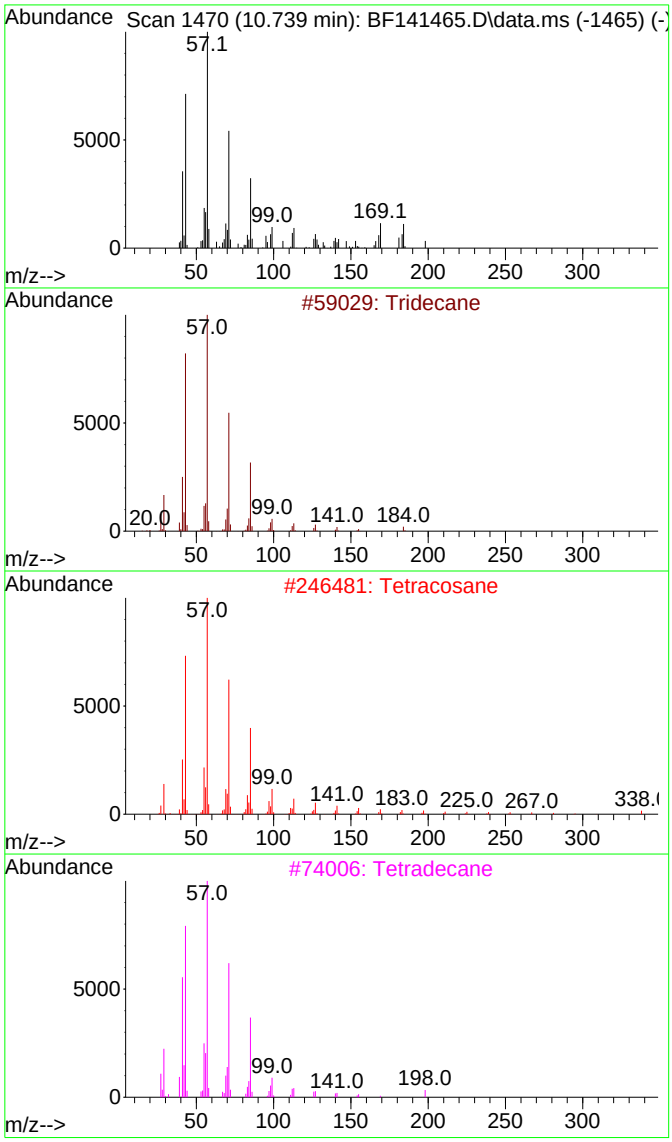
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

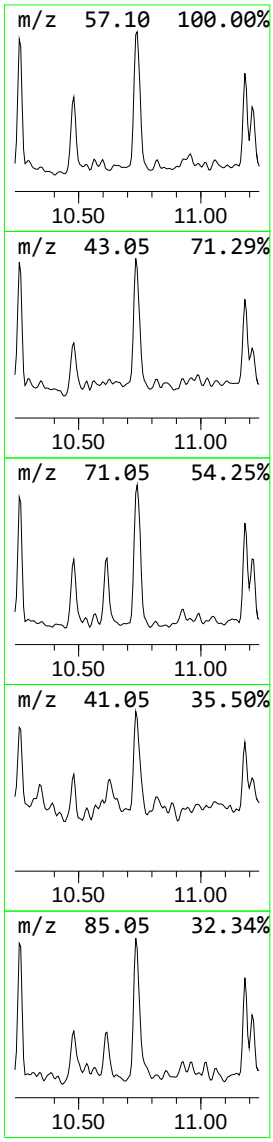
****

Peak Number 4 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.739	2.16 ng	60566	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	74
2	Tetracosane	338	C24H50	000646-31-1	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	64
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

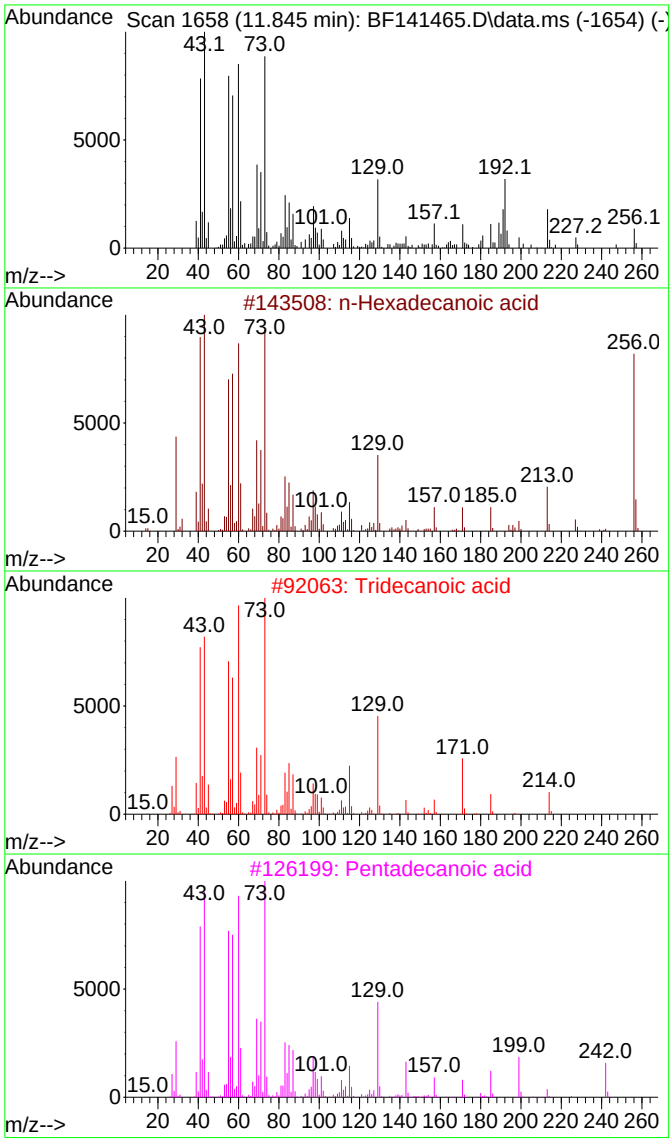
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

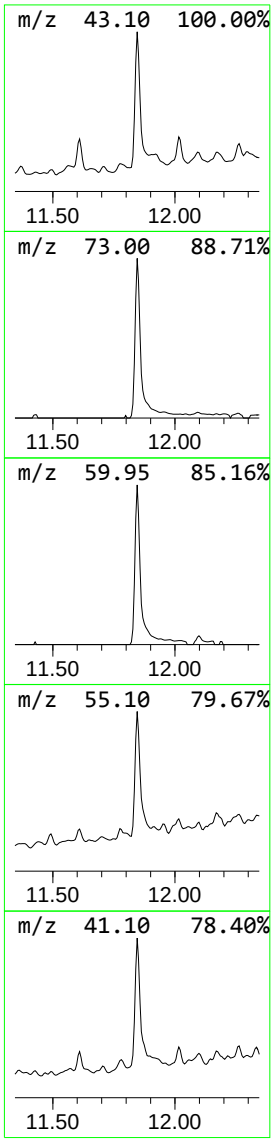
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	5.94 ng	166206	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

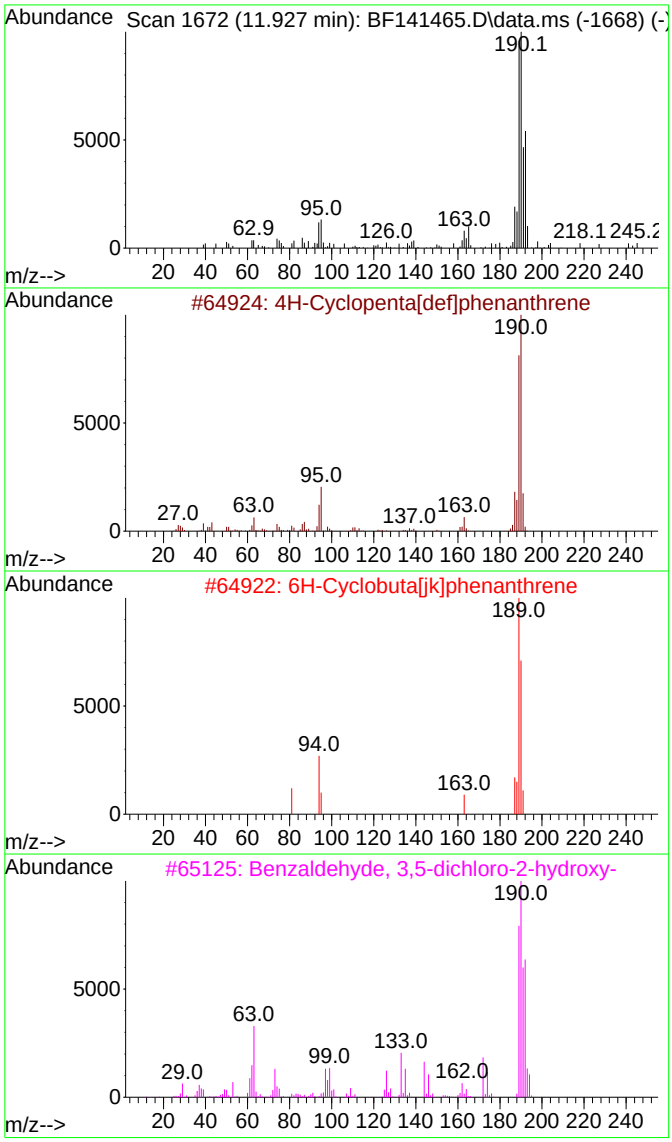
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

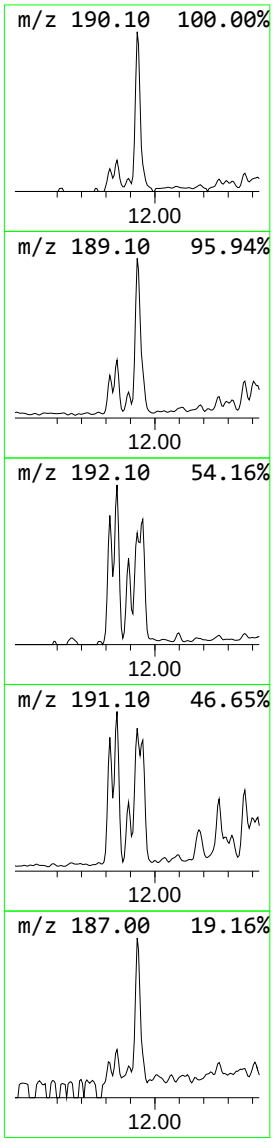
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.69 ng	103308	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

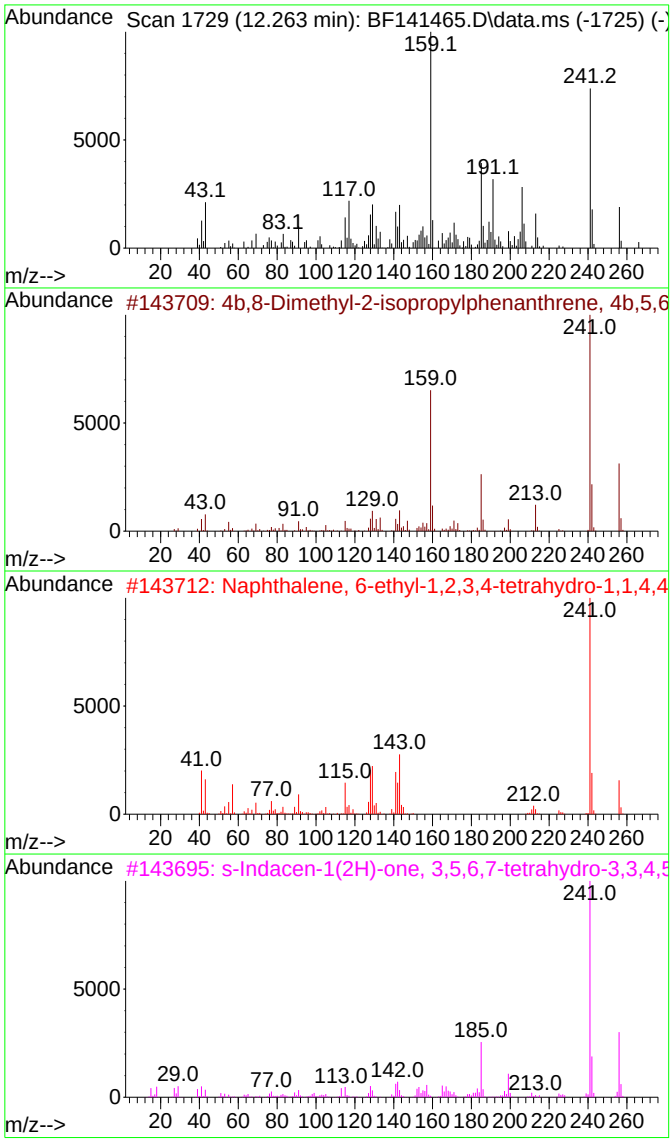
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

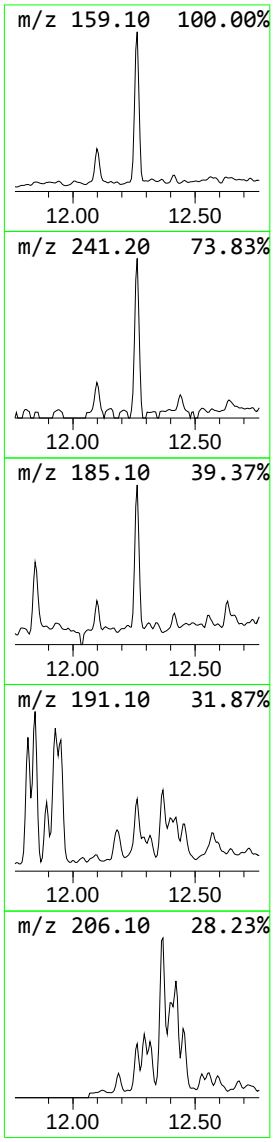
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.263	2.17 ng	60698	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	38
3	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30
4	Sebacic acid, butyl 6-ethyloct-3...	398	C24H46O4	1000354-18-4	27
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

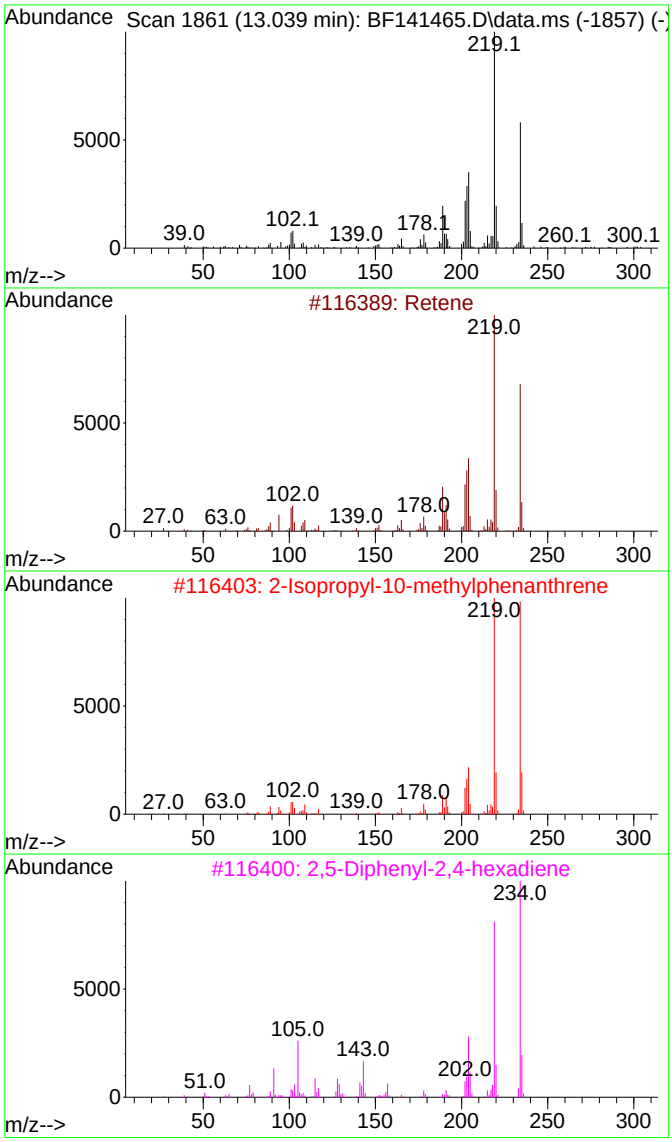
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

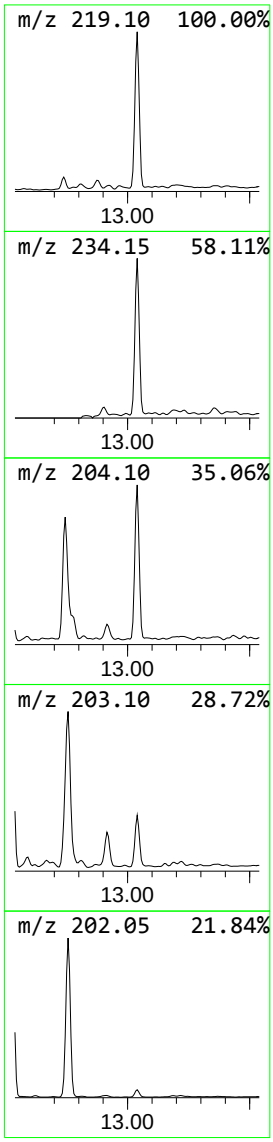
****

Peak Number 8 Retene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.039	4.41 ng	150233	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	95
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	81
4	4-(1H-Inden-1-ylidenemethyl)phen...	219	C16H13N	000487-61-6	60
5	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141465.D
Acq On : 05 Feb 2025 23:15
Operator : RC/JU
Sample : Q1207-15 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-16.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Hexadecane	8.663	2.4	ng	62151	2	8.075	511096	20.0
Nonadecane	9.227	3.2	ng	76587	3	9.827	473444	20.0
Benzophenone	10.539	6.1	ng	144524	3	9.827	473444	20.0
Tridecane	10.739	2.2	ng	60566	4	11.316	560075	20.0
n-Hexadecanoic ...	11.845	5.9	ng	166206	4	11.316	560075	20.0
4H-Cyclopenta[d...	11.927	3.7	ng	103308	4	11.316	560075	20.0
4b,8-Dimethyl-2...	12.263	2.2	ng	60698	4	11.316	560075	20.0
Retene	13.039	4.4	ng	150233	5	13.957	681162	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141460.D	1	01/29/25 08:40	02/05/25 21:05	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	380	U	210	380	ug/Kg
108-95-2	Phenol	190	U	94.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	95.2	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	94.9	190	ug/Kg
95-48-7	2-Methylphenol	190	U	91.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	100	190	ug/Kg
98-86-2	Acetophenone	190	U	98.8	190	ug/Kg
65794-96-9	3+4-Methylphenols	380	U	90.7	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	91.0	U	45.8	91.0	ug/Kg
67-72-1	Hexachloroethane	190	U	94.4	190	ug/Kg
98-95-3	Nitrobenzene	190	U	100	190	ug/Kg
78-59-1	Isophorone	190	U	96.2	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	97.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	85.8	190	ug/Kg
91-20-3	Naphthalene	190	U	93.9	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	93.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	94.7	190	ug/Kg
105-60-2	Caprolactam	380	U	98.7	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	88.1	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	93.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	81.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	84.1	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	99.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	94.7	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	92.9	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141460.D	1	01/29/25 08:40	02/05/25 21:05	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	98.4	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	94.6	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	100	190	ug/Kg
83-32-9	Acenaphthene	190	U	92.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	380	U	130	380	ug/Kg
132-64-9	Dibenzofuran	190	U	96.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	98.0	190	ug/Kg
84-66-2	Diethylphthalate	190	U	91.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	97.3	190	ug/Kg
86-73-7	Fluorene	190	U	97.2	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	92.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	89.7	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	96.6	190	ug/Kg
1912-24-9	Atrazine	190	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	380	U	87.9	380	ug/Kg
85-01-8	Phenanthrene	550		95.5	190	ug/Kg
120-12-7	Anthracene	120	J	96.0	190	ug/Kg
86-74-8	Carbazole	190	U	91.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	95.9	190	ug/Kg
206-44-0	Fluoranthene	770		92.9	190	ug/Kg
129-00-0	Pyrene	500		94.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380	U	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	340		91.8	190	ug/Kg
218-01-9	Chrysene	320		90.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	380	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		92.2	190	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141460.D	1	01/29/25 08:40	02/05/25 21:05	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	200		93.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	370		110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	88.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	92.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	91.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	98.7	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	130	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	84.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	42.6		18 - 112	28%	SPK: 150
13127-88-3	Phenol-d6	40.5		15 - 107	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	29.2		18 - 107	29%	SPK: 100
321-60-8	2-Fluorobiphenyl	29.2		20 - 109	29%	SPK: 100
118-79-6	2,4,6-Tribromophenol	35.6		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	18.1		10 - 105	18%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72500	6.787			
1146-65-2	Naphthalene-d8	288000	8.069			
15067-26-2	Acenaphthene-d10	141000	9.828			
1517-22-2	Phenanthrene-d10	195000	11.31			
1719-03-5	Chrysene-d12	169000	13.957			
1520-96-3	Perylene-d12	154000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	140	J		10.5	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	130	J		11.8	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J		11.9	ug/Kg
000192-97-2	Benzo[e]pyrene	250	J		15.3	ug/Kg
1000285-40-2	.beta.-iso-Methyl ionone	160	J		16.5	ug/Kg

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Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/27/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	JPP-20.2-012725	SDG No.:	Q1207
Lab Sample ID:	Q1207-19	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141460.D	1	01/29/25 08:40	02/05/25 21:05	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:48:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72530	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	288100	20.000	ng	#-0.02
39) Acenaphthene-d10	9.828	164	141483	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	194970	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	168850	20.000	ng	-0.02
86) Perylene-d12	15.421	264	153896	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	201167	42.580	ng	0.00
7) Phenol-d6	6.422	99	243674	40.544	ng	-0.02
23) Nitrobenzene-d5	7.345	82	159822	29.244	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	46229	35.641	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	268346	29.193	ng	-0.02
79) Terphenyl-d14	12.898	244	197854	18.071	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	151900	14.494	ng	99
72) Anthracene	11.386	178	33140	3.227	ng	99
75) Fluoranthene	12.527	202	209398	20.235	ng	98
78) Pyrene	12.757	202	212134	13.088	ng	99
81) Benzo(a)anthracene	13.945	228	105876	9.087	ng	98
83) Chrysene	13.980	228	90973	8.519	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	32703	3.292	ng	95
88) Benzo(b)fluoranthene	15.004	252	99906m	10.320	ng	
89) Benzo(k)fluoranthene	15.015	252	46109m	5.377	ng	
90) Benzo(a)pyrene	15.362	252	79098	9.669	ng	96
92) Benzo(g,h,i)perylene	17.292	276	33591	4.043	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 06 01:48:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
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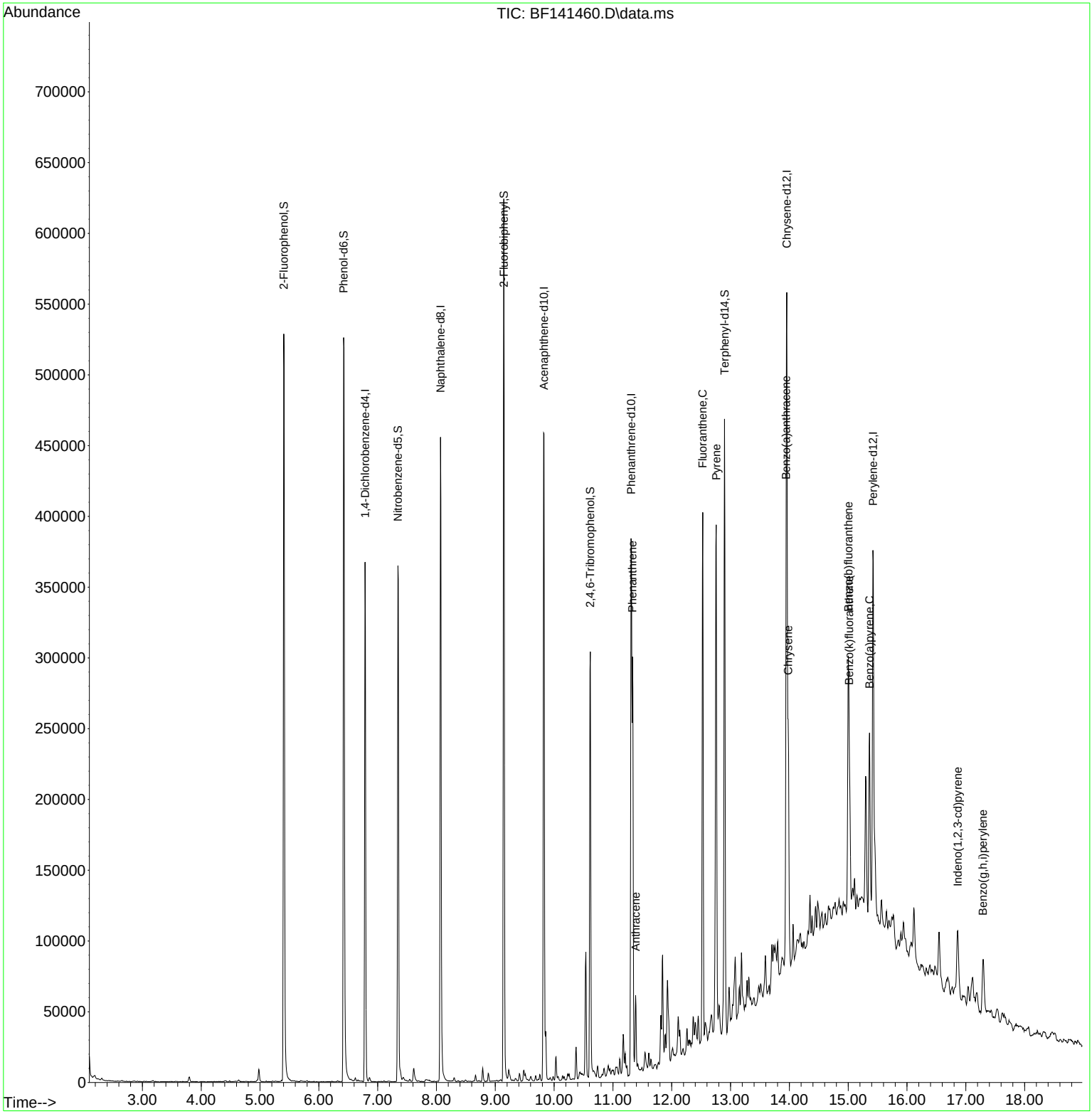
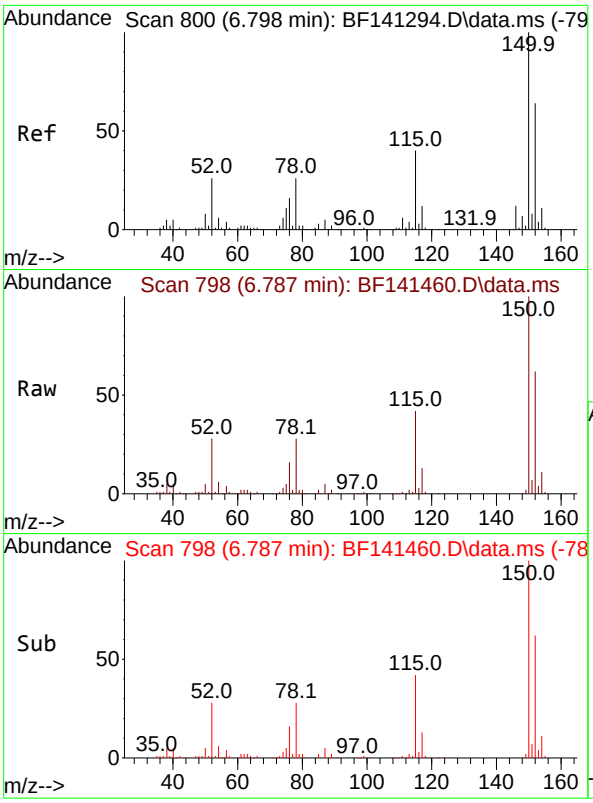
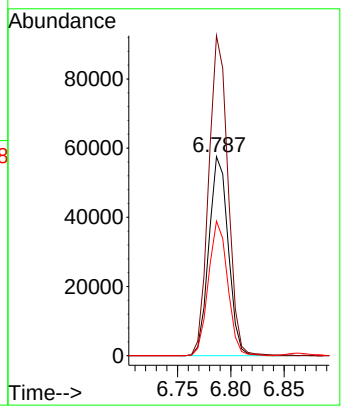




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:152 Resp: 7253

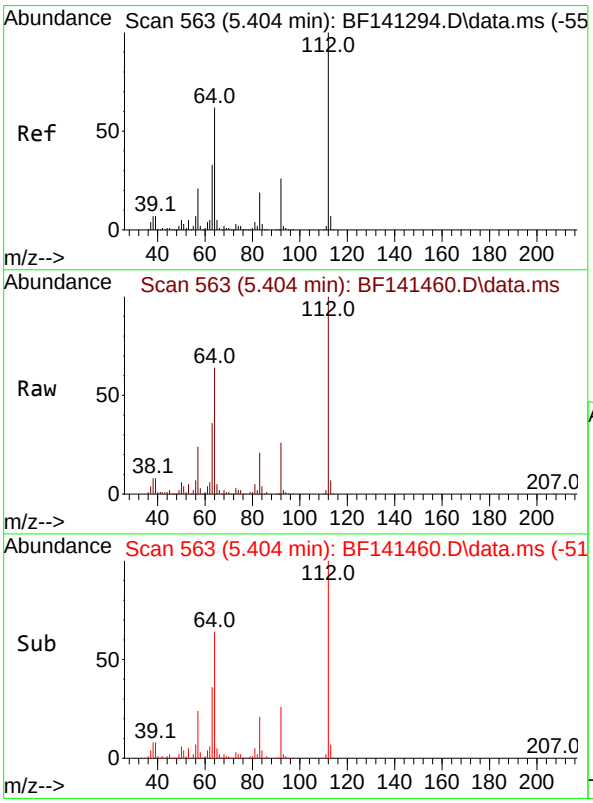
Ion	Ratio	Lower	Upper
152	100		
150	160.8	125.9	188.9
115	67.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

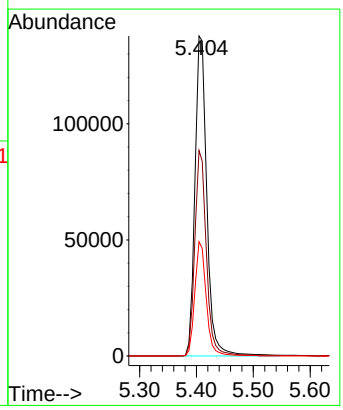
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

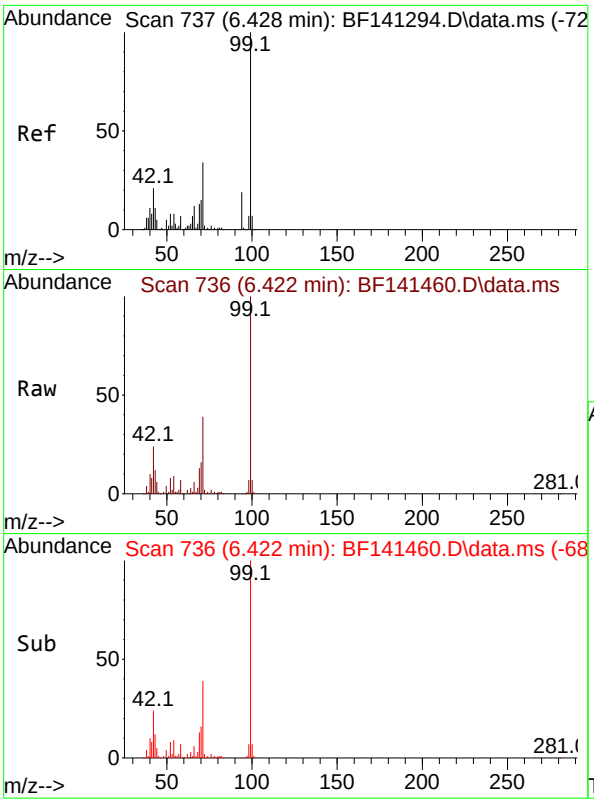


#5
2-Fluorophenol
Concen: 42.580 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:112 Resp: 201167

Ion	Ratio	Lower	Upper
112	100		
64	64.2	49.8	74.8
63	35.7	26.1	39.1

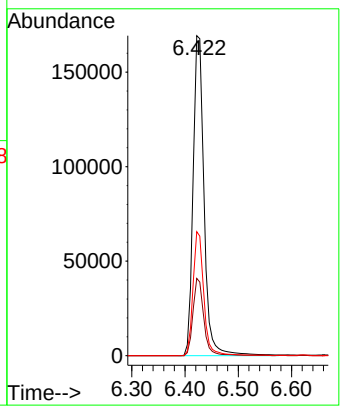




#7
Phenol-d6
Concen: 40.544 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion: 99 Resp: 24367

Ion	Ratio	Lower	Upper
99	100		
42	24.1	17.1	25.7
71	38.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
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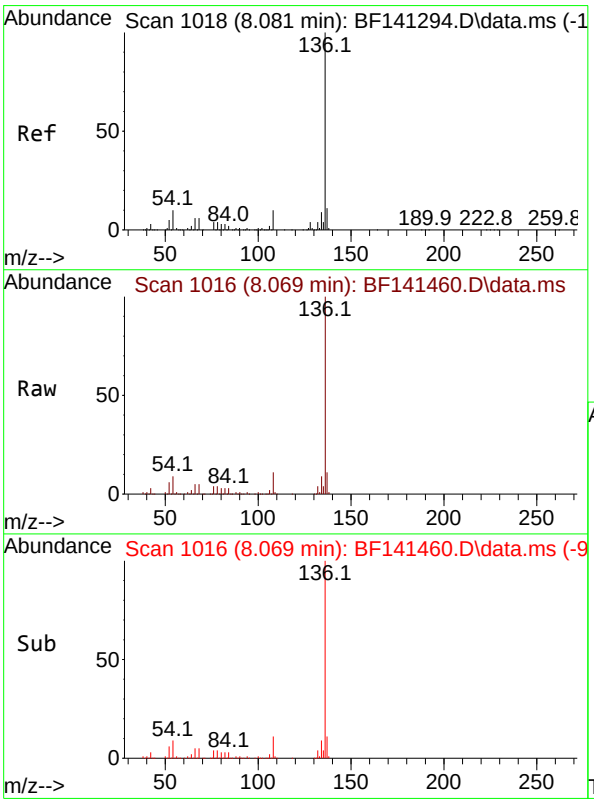
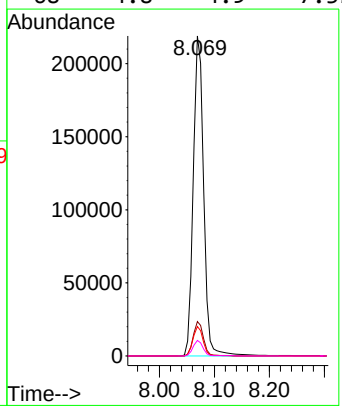
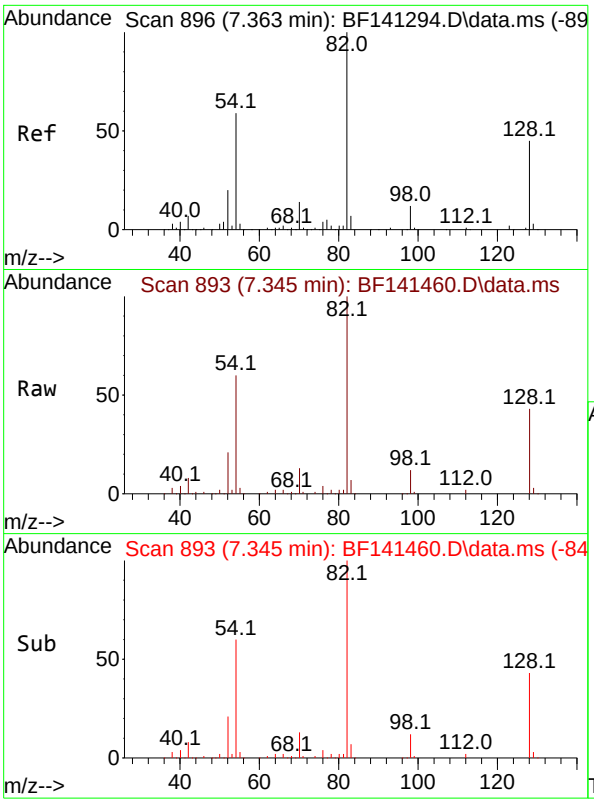


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:136 Resp: 288100

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.2	7.8	11.8
68	4.8	4.9	7.3#

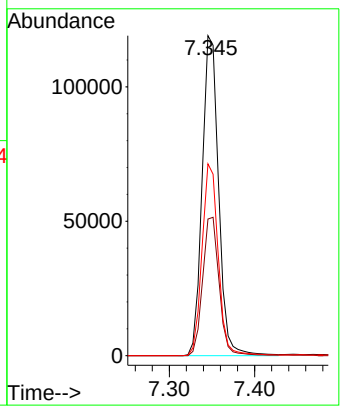




#23
Nitrobenzene-d5
Concen: 29.244 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion: 82 Resp: 15982

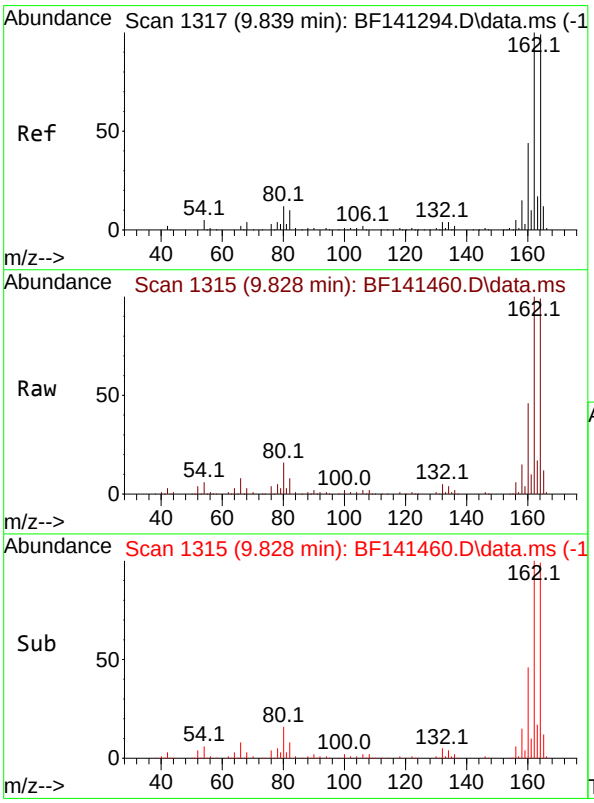
Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.7	53.5
54	60.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

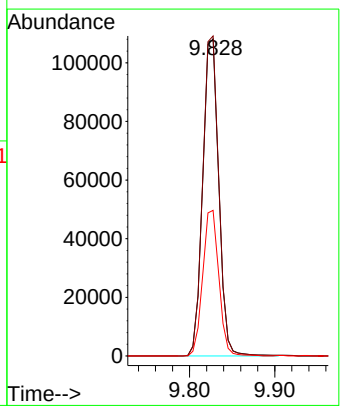
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

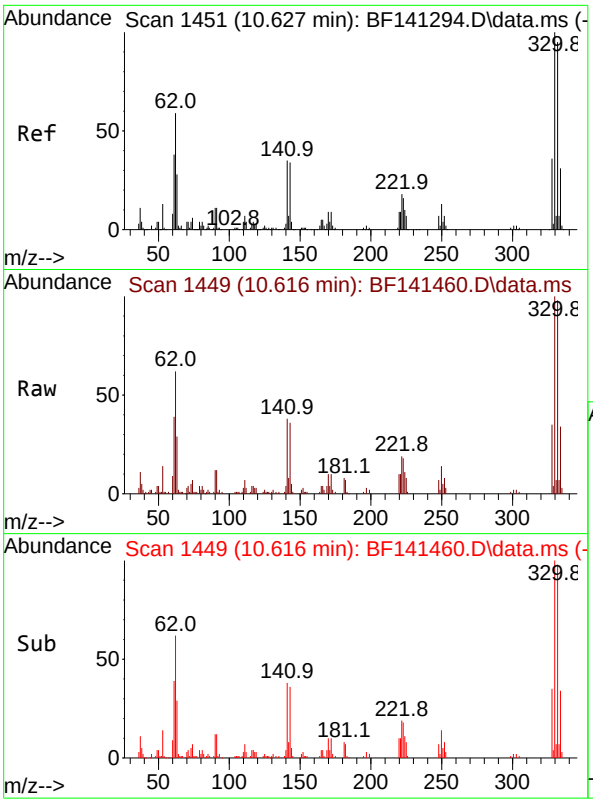


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:164 Resp: 141483

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.9	35.8	53.6

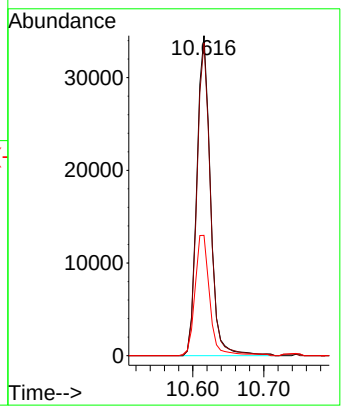




#42
2,4,6-Tribromophenol
Concen: 35.641 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:330 Resp: 4622

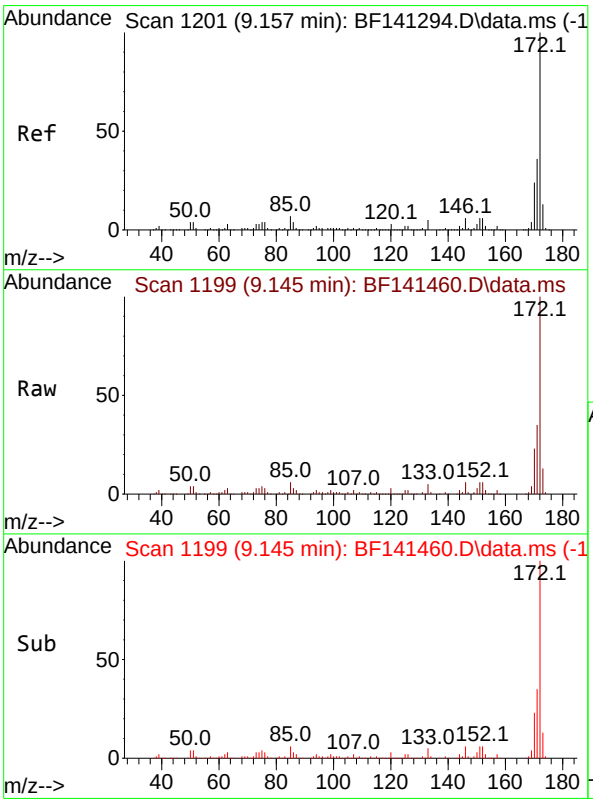
Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.1	114.1
141	40.1	28.8	43.2



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

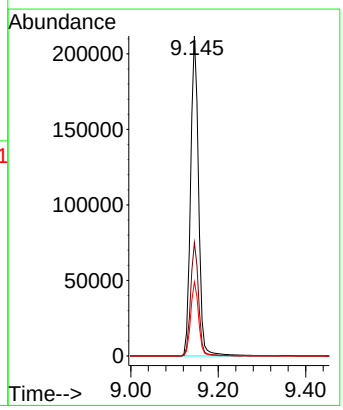
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

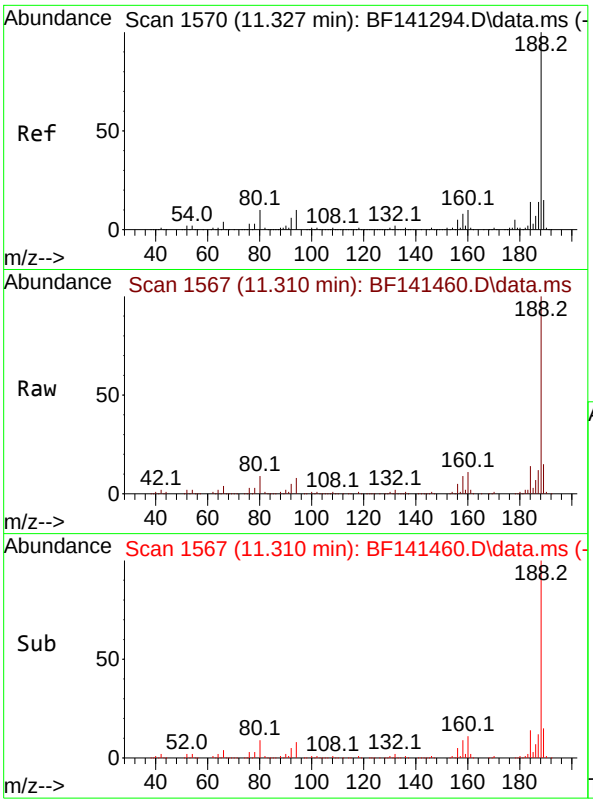


#45
2-Fluorobiphenyl
Concen: 29.193 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:172 Resp: 268346

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.2	19.0	28.6

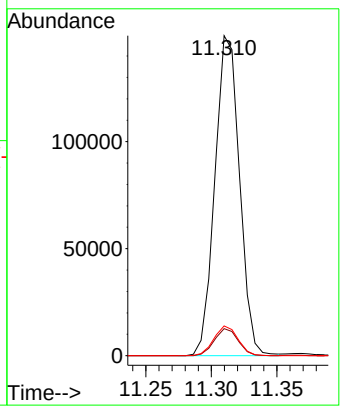




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:188 Resp: 19497

Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.8	11.6
80	9.3	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
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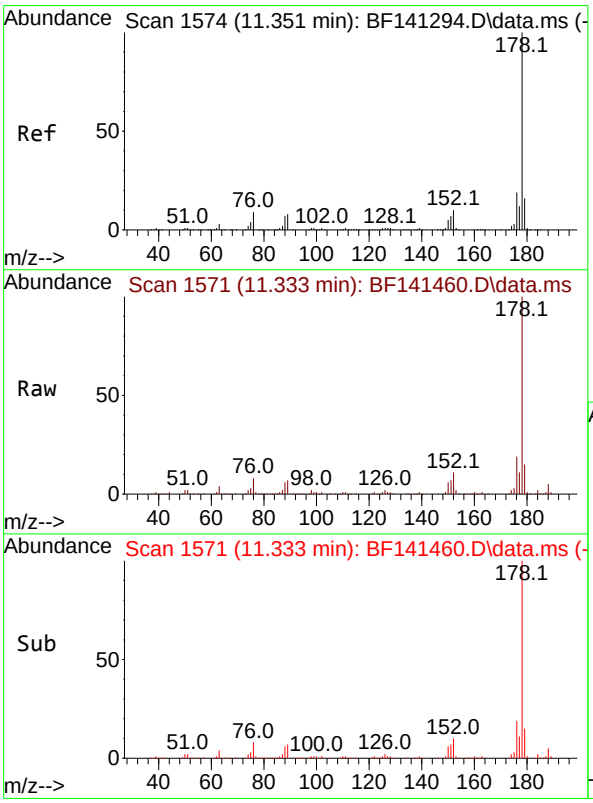
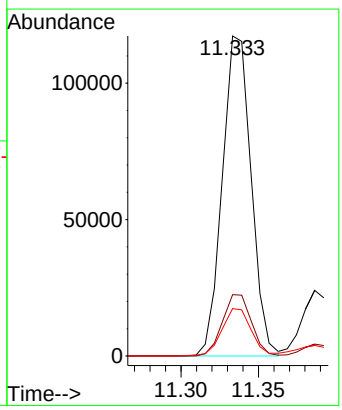
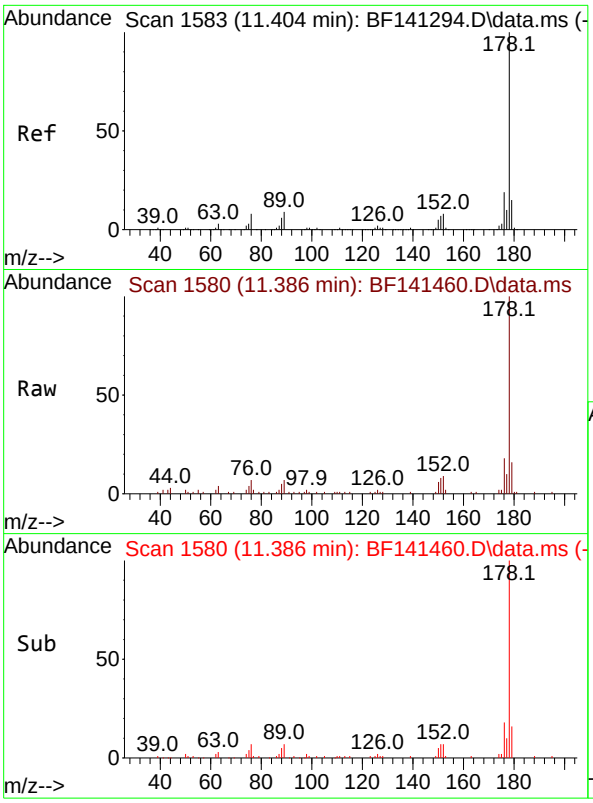


#71
Phenanthrene
Concen: 14.494 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:178 Resp: 151900

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	14.8	12.5	18.7

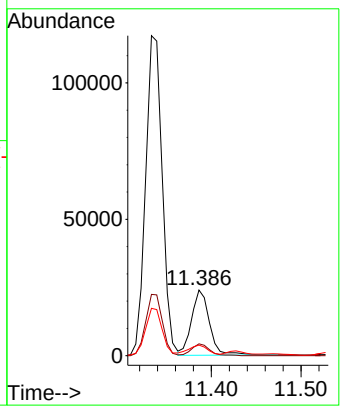




#72
Anthracene
Concen: 3.227 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:178 Resp: 3314

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	16.0	12.3	18.5



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

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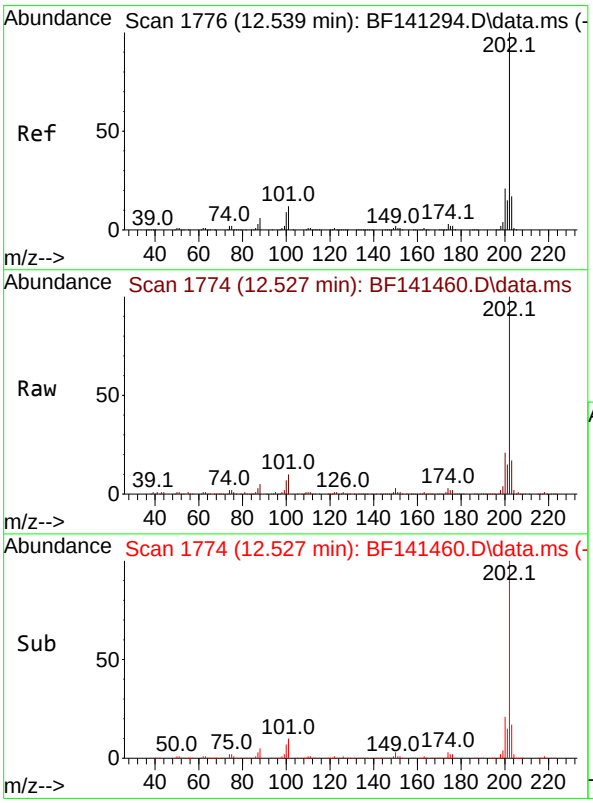
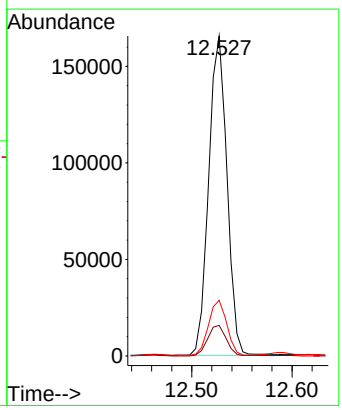
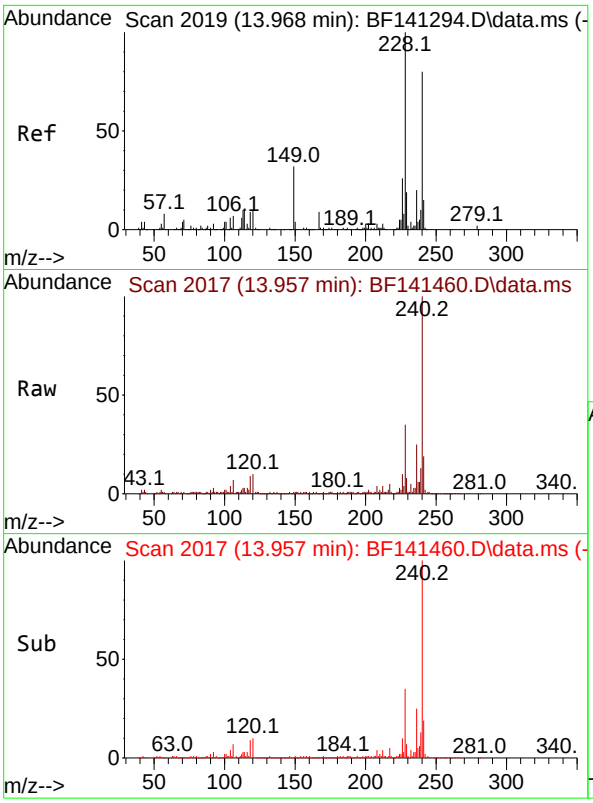


#75
Fluoranthene
Concen: 20.235 ng
RT: 12.527 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:202 Resp: 209398

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.7
203	17.4	0.0	37.5

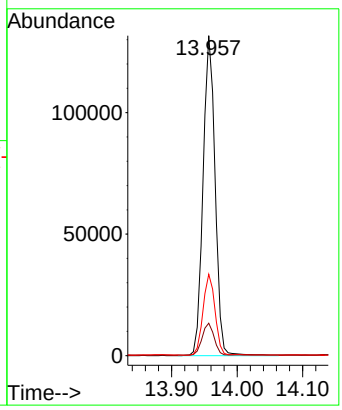




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:240 Resp: 16885

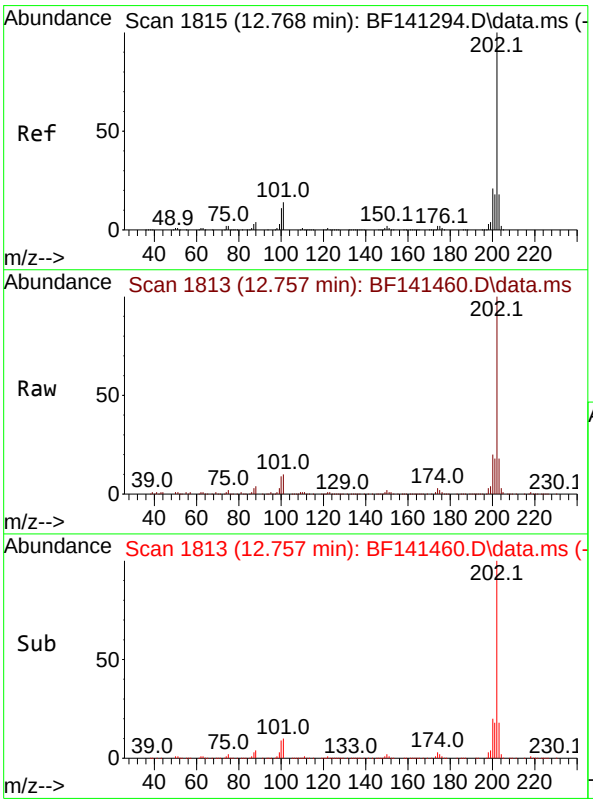
Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.0	15.0
236	25.5	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

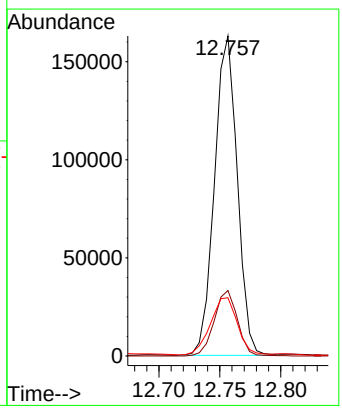
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

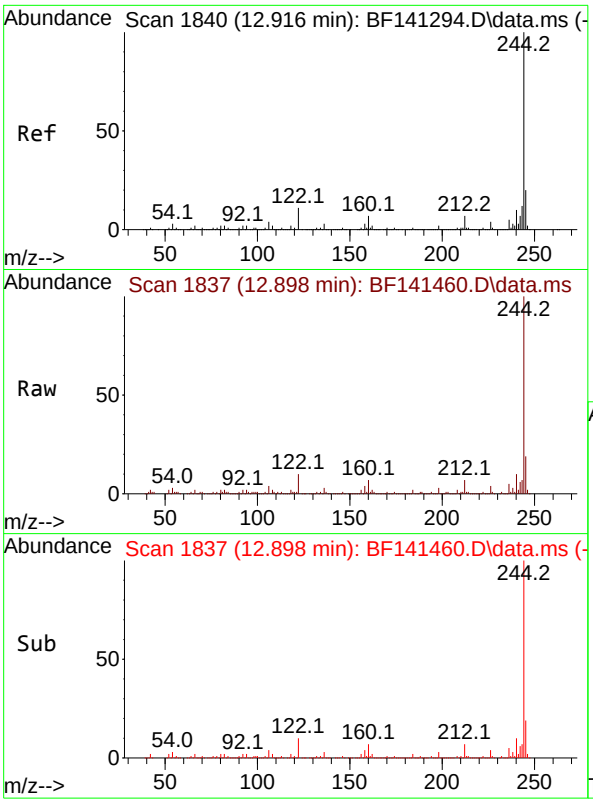


#78
Pyrene
Concen: 13.088 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:202 Resp: 212134

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.2	14.3	21.5

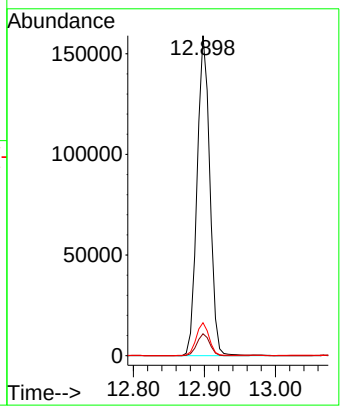




#79
Terphenyl-d14
Concen: 18.071 ng
RT: 12.898 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:244 Resp: 19785

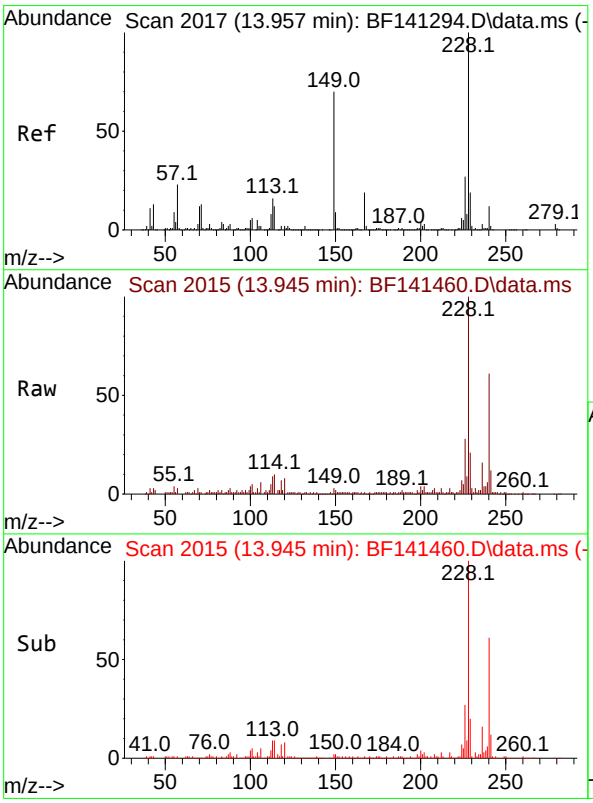
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.3	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations APPROVED

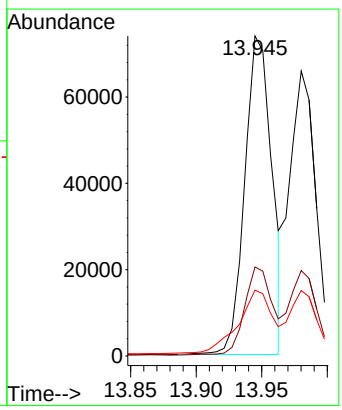
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

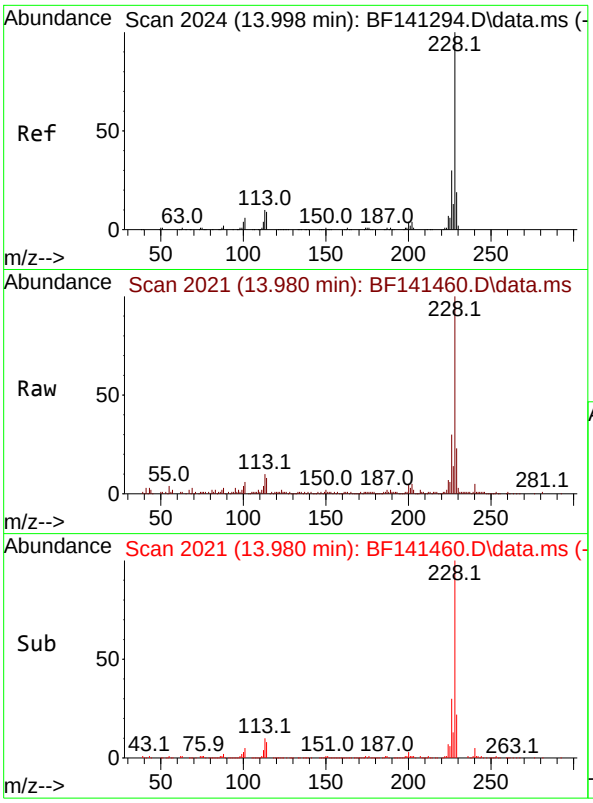


#81
Benzo(a)anthracene
Concen: 9.087 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:228 Resp: 105876

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.6	15.5	23.3

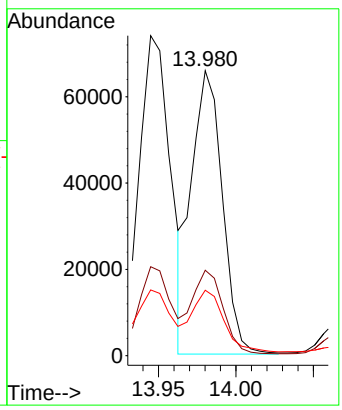




#83
Chrysene
Concen: 8.519 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:228 Resp: 9097

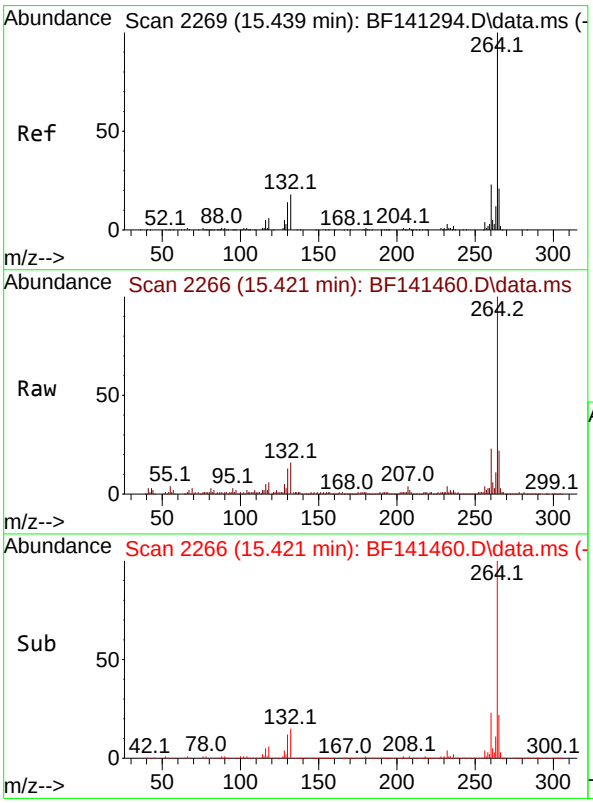
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	23.0	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

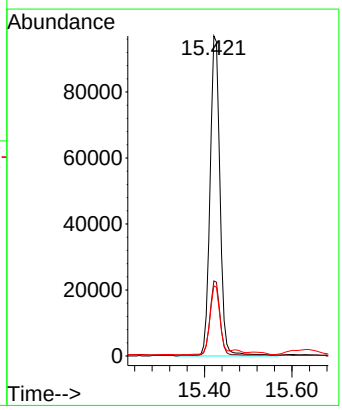
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

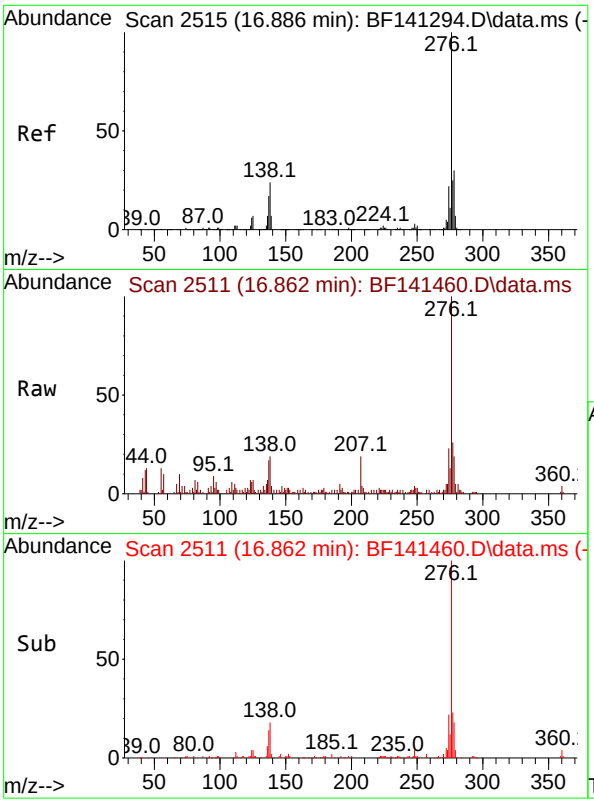


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:264 Resp: 153896

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.9	16.7	25.1

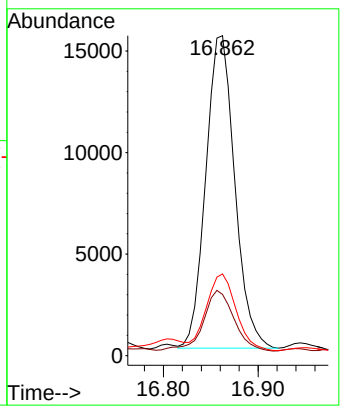




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.292 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:276 Resp: 3270

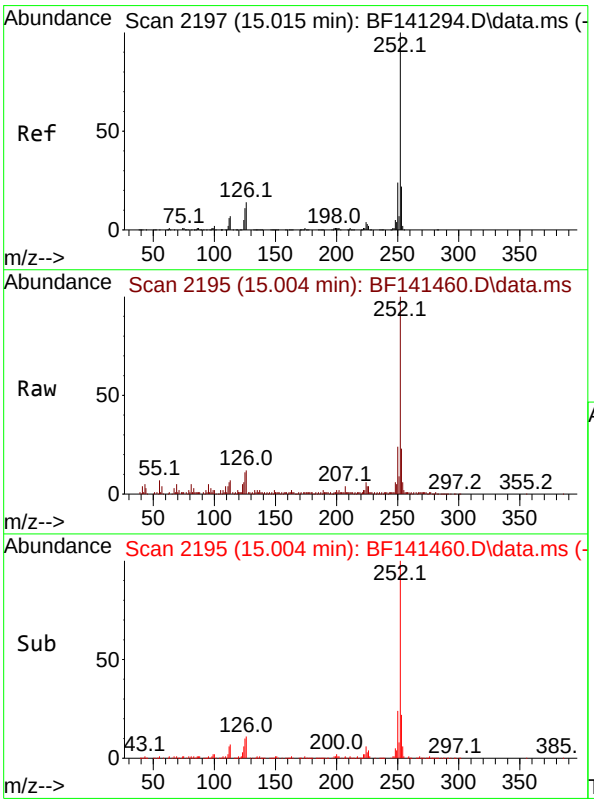
Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.7	32.5
277	25.6	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

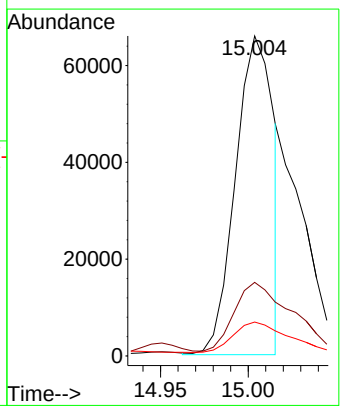
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

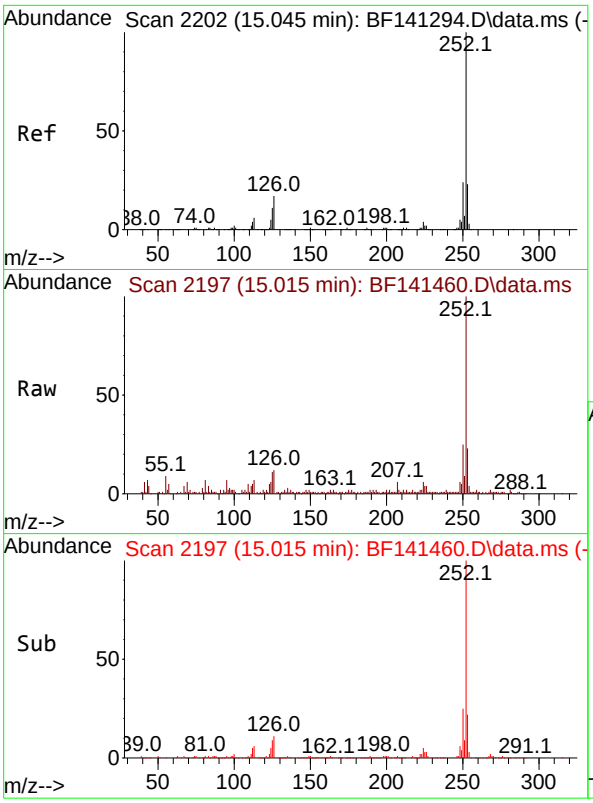


#88
Benzo(b)fluoranthene
Concen: 10.320 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:252 Resp: 99906

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	10.6	8.6	12.8

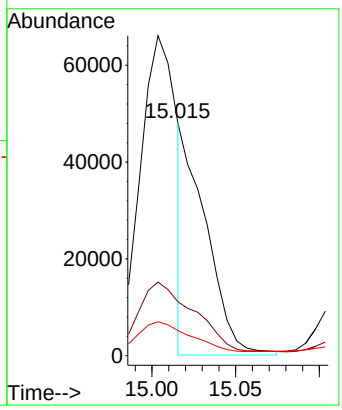




#89
Benzo(k)fluoranthene
Concen: 5.377 ng m
RT: 15.015 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:252 Resp: 4610

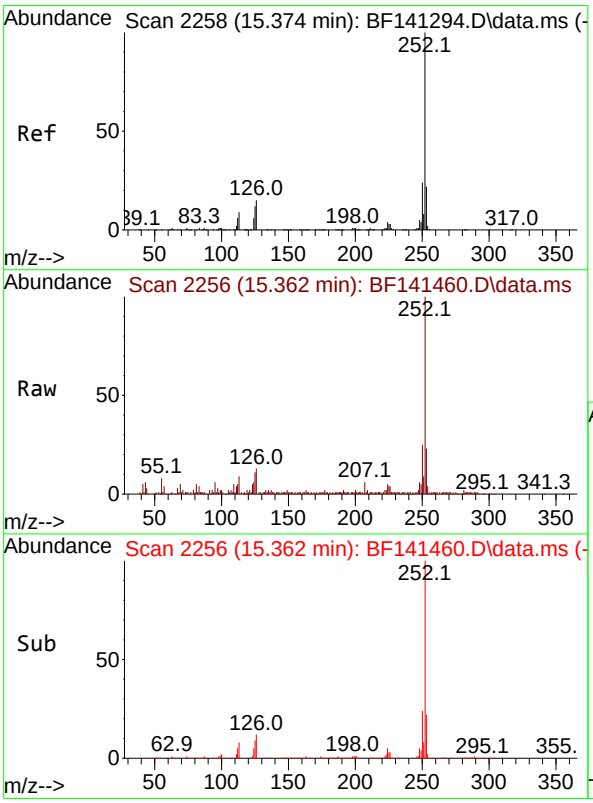
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	10.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations APPROVED

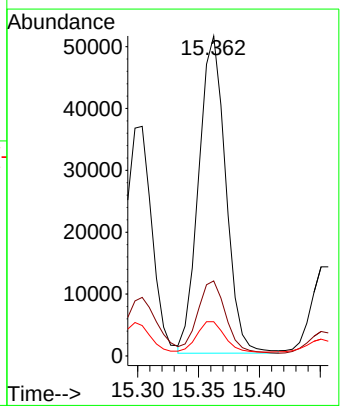
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

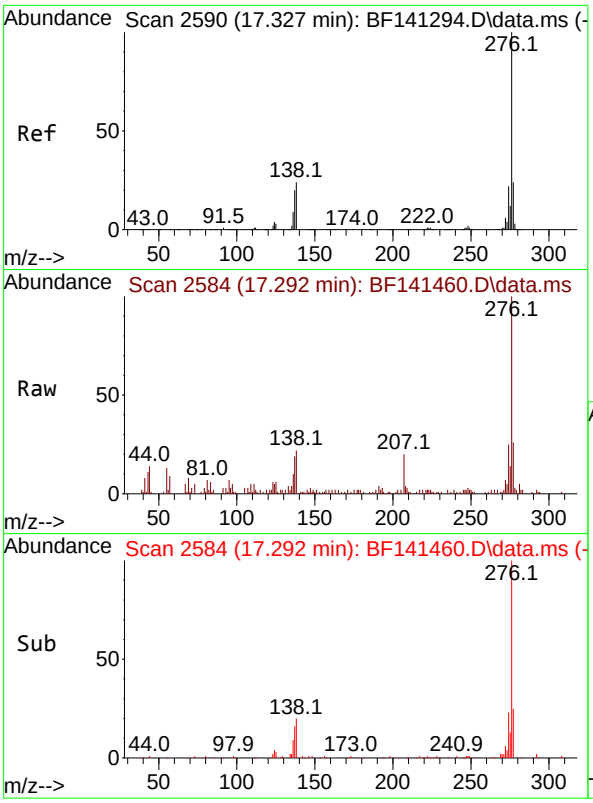


#90
Benzo(a)pyrene
Concen: 9.669 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:252 Resp: 79098

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	10.7	9.4	14.2

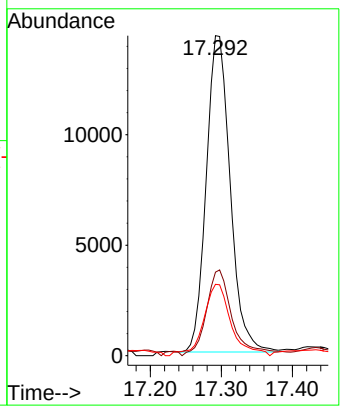




#92
Benzo(g,h,i)perylene
Concen: 4.043 ng
RT: 17.292 min Scan# 2
Delta R.T. -0.053 min
Lab File: BF141460.D
Acq: 05 Feb 2025 21:05

Tgt Ion:276 Resp: 3359

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.2	28.8
138	22.3	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Sample Results: **BF141460.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.981	487	491	499	rVB	8563	12603	1.30%	0.116%
2	5.404	558	563	581	rBV	527662	745100	76.92%	6.852%
3	6.422	731	736	755	rBV	525601	760660	78.52%	6.995%
4	6.787	793	798	807	rBV	367163	455535	47.02%	4.189%
5	7.345	888	893	905	rBV	364445	491693	50.76%	4.522%
6	7.616	932	939	949	rBV	9123	17155	1.77%	0.158%
7	8.069	1011	1016	1037	rVB	454835	611171	63.09%	5.620%
8	8.786	1134	1138	1145	rVB	9418	12377	1.28%	0.114%
9	9.145	1194	1199	1210	rBV	623441	773486	79.85%	7.113%
10	9.228	1210	1213	1222	rVB2	7616	14149	1.46%	0.130%
11	9.486	1249	1257	1259	rBV	7848	11100	1.15%	0.102%
12	9.822	1309	1314	1319	rBV	457625	615803	63.57%	5.663%
13	9.857	1319	1320	1327	rVB	34139	27446	2.83%	0.252%
14	10.033	1345	1350	1354	rBV	16380	22265	2.30%	0.205%
15	10.375	1403	1408	1413	rBV	22703	29885	3.08%	0.275%
16	10.539	1431	1436	1444	rVB	88459	114337	11.80%	1.051%
17	10.616	1444	1449	1457	rBV	300697	410940	42.42%	3.779%
18	10.739	1466	1470	1477	rVB4	8089	12374	1.28%	0.114%
19	10.922	1494	1501	1504	rBV6	7454	14086	1.45%	0.130%
20	11.116	1531	1534	1538	rBV	10720	12974	1.34%	0.119%
21	11.174	1538	1544	1548	rBV4	27710	43628	4.50%	0.401%
22	11.310	1562	1567	1570	rBV	379096	576230	59.48%	5.299%
23	11.386	1576	1580	1585	rVB	50122	63797	6.59%	0.587%
24	11.545	1602	1607	1614	rBV3	12796	26075	2.69%	0.240%
25	11.610	1614	1618	1621	rVV	11623	14802	1.53%	0.136%
26	11.816	1648	1653	1655	rBV	34753	48498	5.01%	0.446%
27	11.845	1655	1658	1662	rVV	75937	101908	10.52%	0.937%
28	11.892	1662	1666	1668	rVV	18560	27286	2.82%	0.251%
29	11.927	1668	1672	1681	rVB3	57086	114987	11.87%	1.057%
30	12.016	1681	1687	1691	rBV7	9235	20657	2.13%	0.190%
31	12.110	1698	1703	1706	rBV	25749	39396	4.07%	0.362%
32	12.257	1724	1728	1732	rBV3	16807	25147	2.60%	0.231%
33	12.363	1743	1746	1749	rBV	18985	25127	2.59%	0.231%
34	12.398	1750	1752	1758	rVV4	14461	24655	2.55%	0.227%
35	12.451	1758	1761	1766	rVB2	19536	26610	2.75%	0.245%
36	12.527	1769	1774	1778	rVV	373631	475951	49.13%	4.377%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.569	1778	1781	1788	rVB5	12660	27524	2.84%	0.253%
38	12.757	1806	1813	1818	rBV	356946	533425	55.06%	4.906%
39	12.898	1830	1837	1844	rVB	433783	589639	60.87%	5.422%
40	12.974	1845	1850	1854	rBV3	30928	56117	5.79%	0.516%
41	13.033	1858	1860	1861	rVV2	12948	12264	1.27%	0.113%
42	13.080	1862	1868	1872	rVB2	44542	85296	8.80%	0.784%
43	13.151	1877	1880	1882	rVV2	19399	24938	2.57%	0.229%
44	13.186	1882	1886	1894	rVB3	40713	68848	7.11%	0.633%
45	13.280	1899	1902	1905	rBV	17277	21672	2.24%	0.199%
46	13.310	1905	1907	1911	rVB	16195	19402	2.00%	0.178%
47	13.592	1952	1955	1960	rVB	26743	37226	3.84%	0.342%
48	13.704	1970	1974	1976	rBV2	29301	42613	4.40%	0.392%
49	13.957	2011	2017	2028	rVB2	475756	968730	100.00%	8.909%
50	14.063	2033	2035	2039	rVB	24923	27846	2.87%	0.256%
51	15.004	2190	2195	2204	rBV	178515	382000	39.43%	3.513%
52	15.298	2241	2245	2251	rVB	96051	160395	16.56%	1.475%
53	15.362	2251	2256	2261	rVV	127621	205732	21.24%	1.892%
54	15.421	2262	2266	2278	rVB2	258139	479996	49.55%	4.414%
55	16.545	2453	2457	2472	rVB2	42236	102713	10.60%	0.945%
56	16.862	2506	2511	2523	rVB2	49181	120566	12.45%	1.109%
57	17.292	2579	2584	2594	rVB	37183	87182	9.00%	0.802%

Sum of corrected areas: 10874017

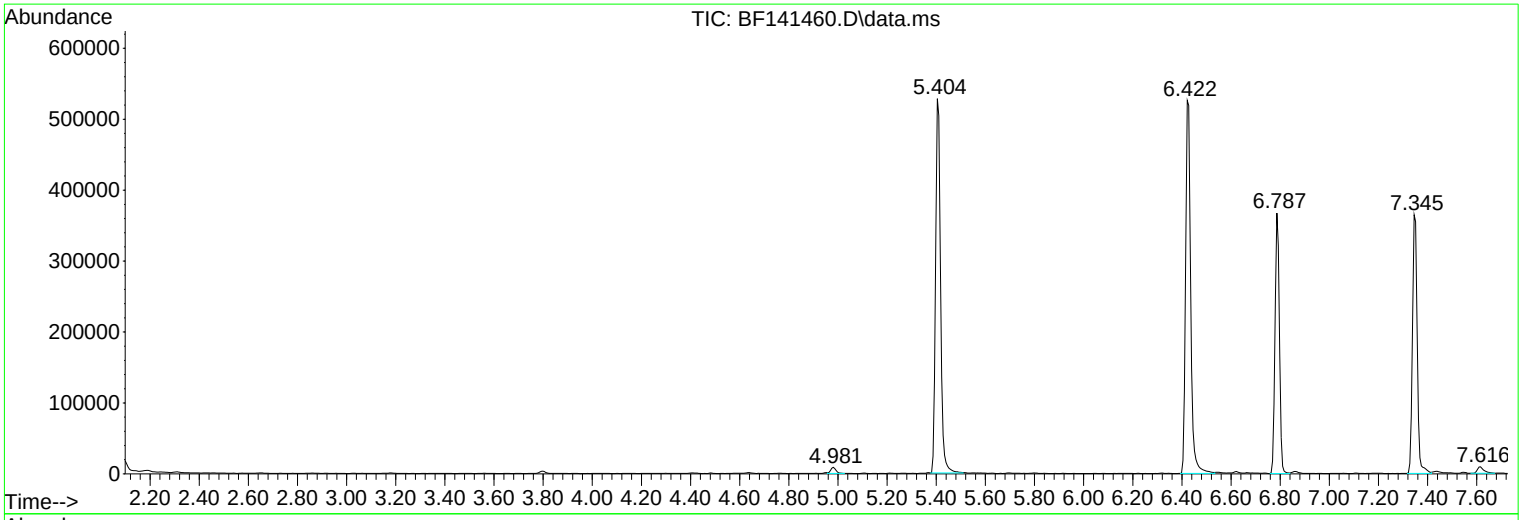
Sample Results: **BF141460.D**

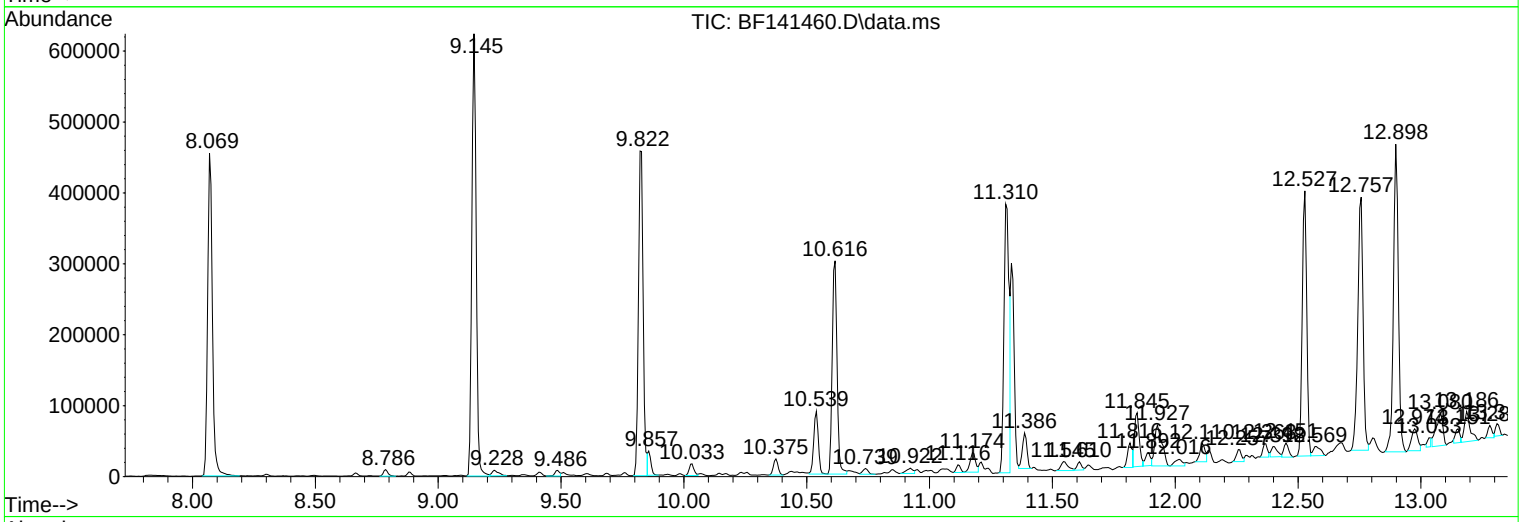
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

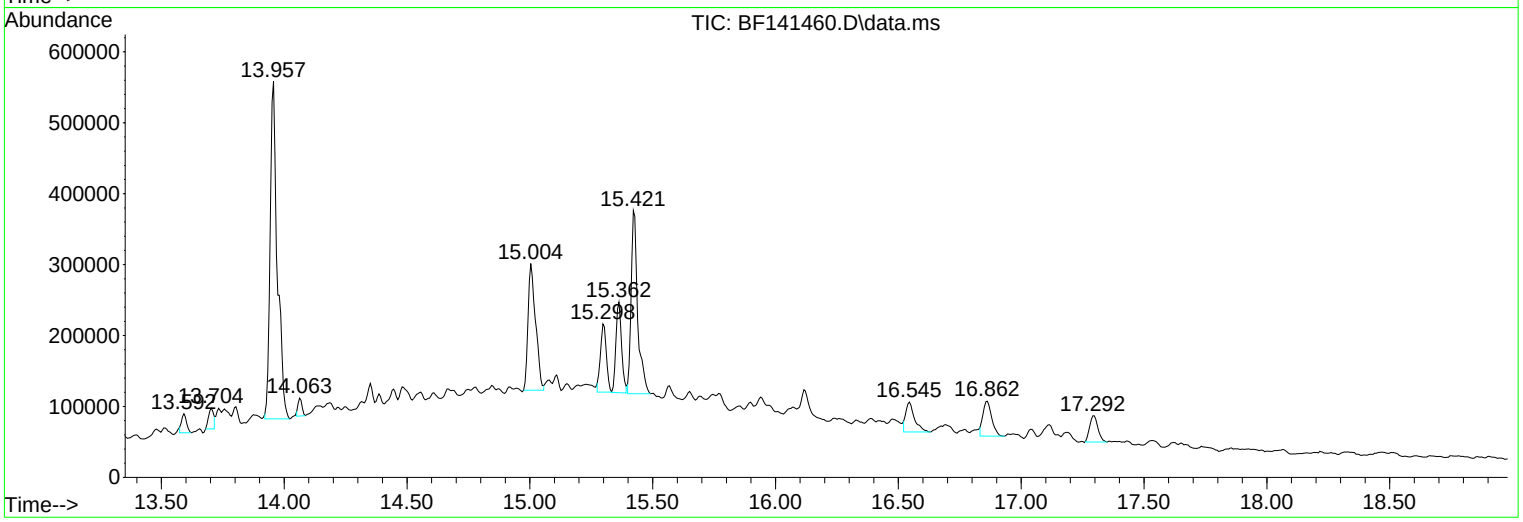
Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

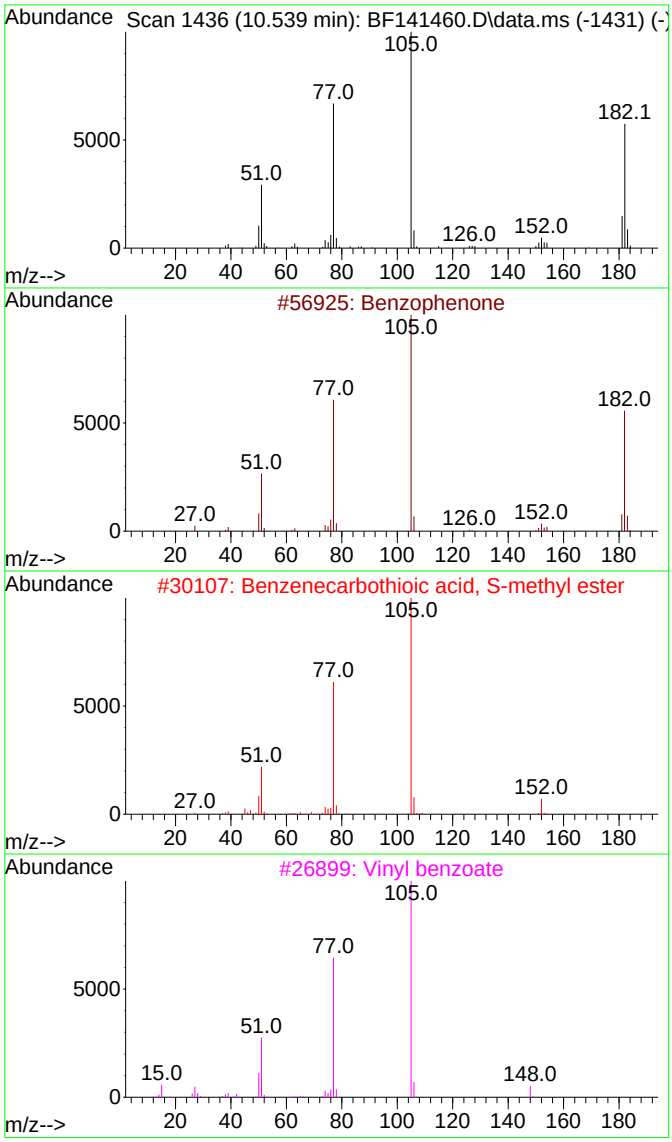
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

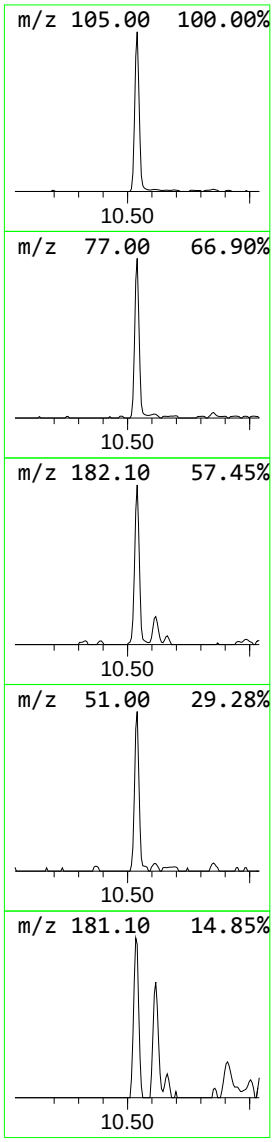
****

Peak Number 1 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	3.71 ng	114337	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Vinyl benzoate	148	C9H8O2	000769-78-8	47
4	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

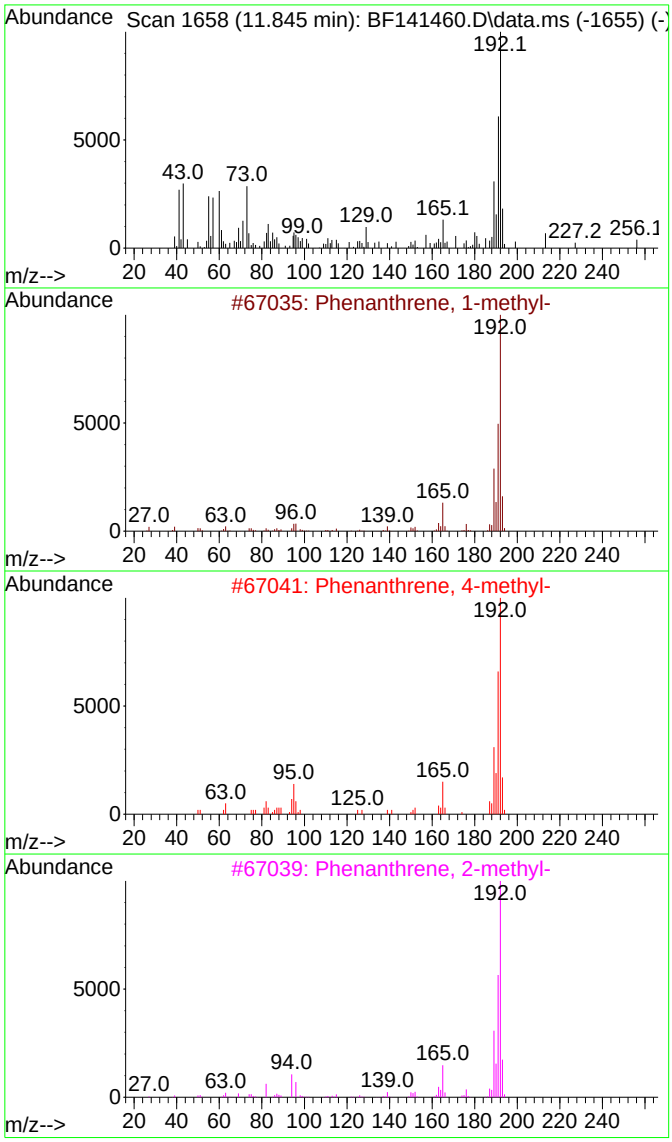
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

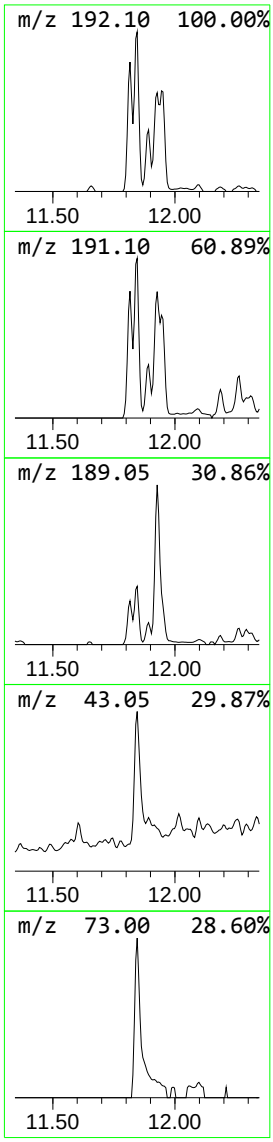
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	3.54 ng	101908	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

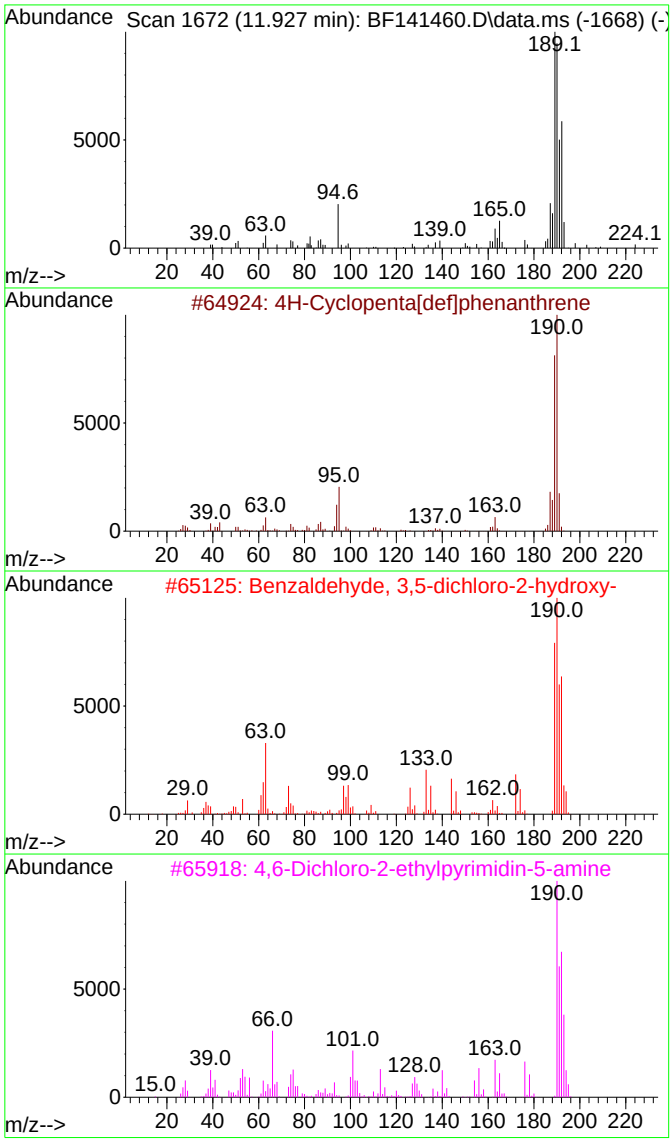
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

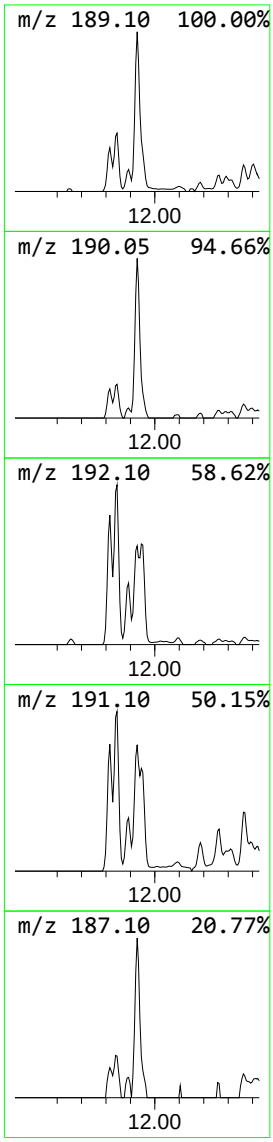
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.99 ng	114987	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

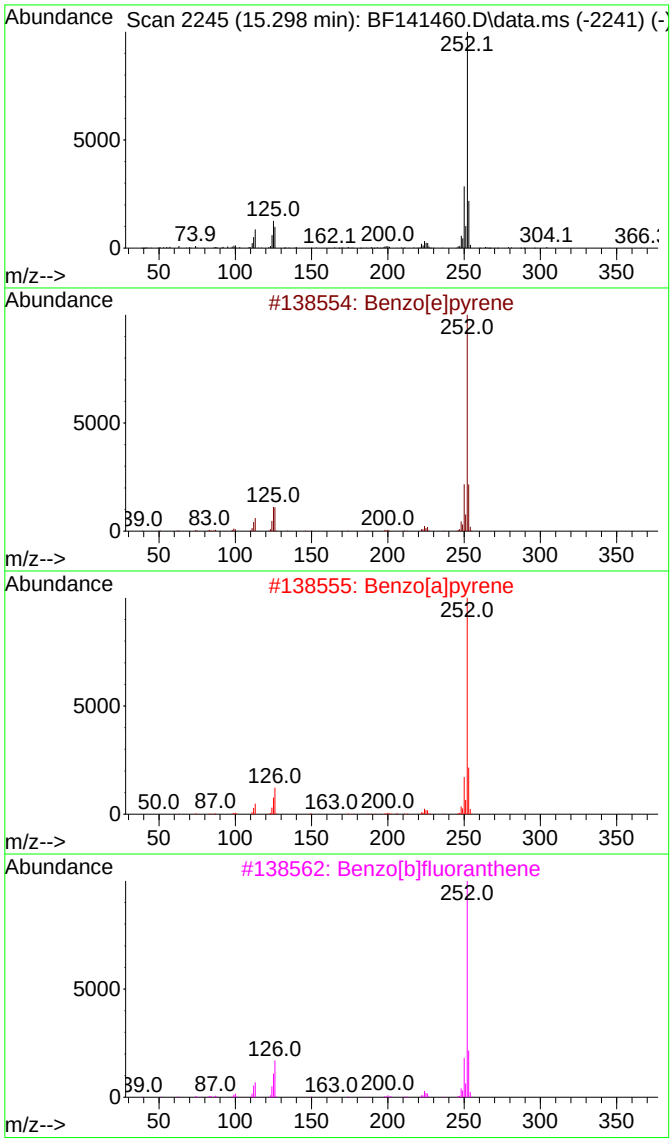
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

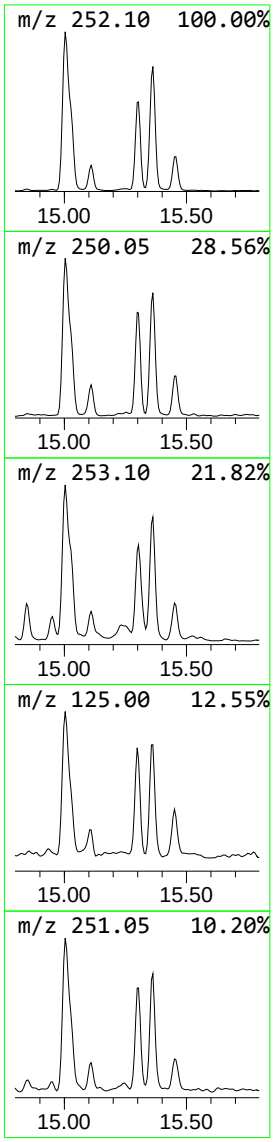
****

Peak Number 4 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	6.68 ng	160395	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

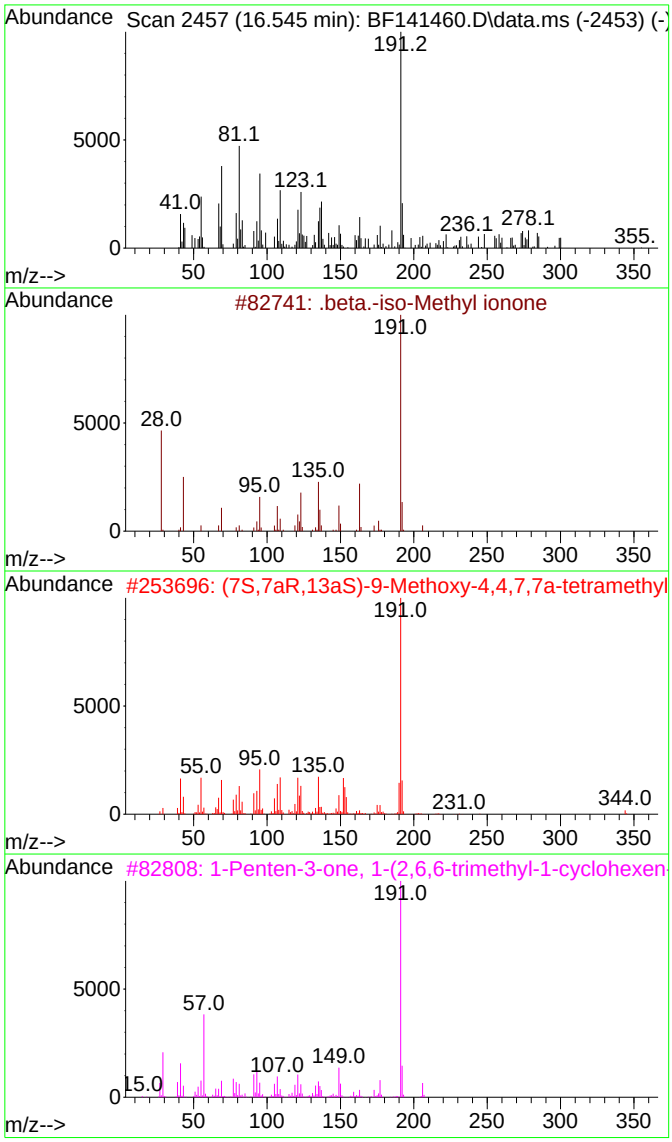
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

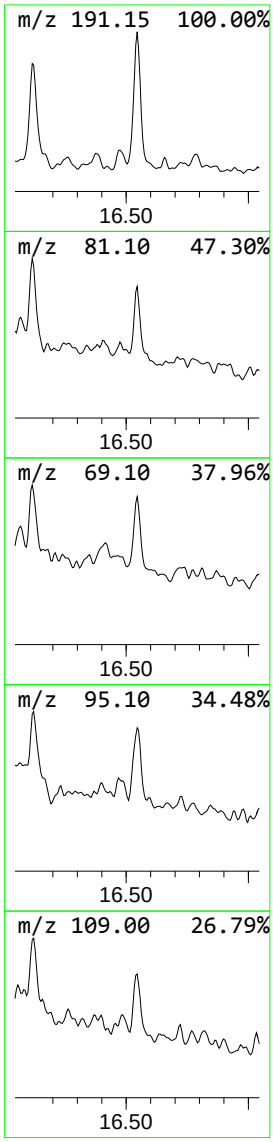
****

Peak Number 5 .beta.-iso-Methyl ionone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.545	4.28 ng	102713	Perylene-d12	15.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	64
2	(7S,7aR,13aS)-9-Methoxy-4,4,7,7a...	344	C22H32O3	1000482-45-3	47
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
4	2,3,4,5-Tetramethylacetanilide	191	C12H17NO	1000432-93-7	43
5	9H-Fluorene-9-carbonitrile	191	C14H9N	001529-40-4	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141460.D
Acq On : 05 Feb 2025 21:05
Operator : RC/JU
Sample : Q1207-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20.2-012725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.539	3.7	ng	114337	3	9.828	615803	20.0
Phenanthrene, 1...	11.845	3.5	ng	101908	4	11.310	576230	20.0
4H-Cyclopenta[d...	11.927	4.0	ng	114987	4	11.310	576230	20.0
Benzo[e]pyrene	15.298	6.7	ng	160395	6	15.421	479996	20.0
.beta.-iso-Meth...	16.545	4.3	ng	102713	6	15.421	479996	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19
3)		Pyridine		1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46
4)		n-Nitrosodimet...		0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32
5)	S	2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03
6)		Aniline		1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93
7)	S	Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47
8)		2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24
9)		Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81
10)	C	Phenol		1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22
11)		bis(2-Chloroet...		1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93
12)		1,3-Dichlorobe...		1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49
13)	C	1,4-Dichlorobe...		1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66
14)		1,2-Dichlorobe...		1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46
15)		Benzyl Alcohol		1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72
16)		2,2'-oxybis(1-...		2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01
17)		2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62
18)		Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09
19)	P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)		3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06
23)	S	Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14
24)		Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14
25)		Isophorone		0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62
26)	C	2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66
27)		2,4-Dimethylph...		0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12
28)		bis(2-Chloroet...		0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70
29)	C	2,4-Dichloroph...		0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39
30)		1,2,4-Trichlor...		0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11
31)		Naphthalene		1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72
32)		Benzoic acid		0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59
33)		4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38
34)	C	Hexachlorobuta...		0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52
35)		Caprolactam		0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89
36)	C	4-Chloro-3-met...		0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71
37)		2-Methylnaphth...		0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68
38)		1-Methylnaphth...		0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25
41)	P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69
42)	S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98
43)	C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79
44)		2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50
45)	S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48
46)		1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27
47)		2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59
48)		2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91
49)		Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38
50)		Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34
51)		2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90
52)	C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46
53)		3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44
54)	P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81
55)		Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72
56)	P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21
57)		2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03
58)		Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96
59)		2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11
60)		Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32
61)		4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04
62)		4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45
63)		Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29
66)	c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89
67)		4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57
68)		Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07
69)		Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86
70)	C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08
71)		Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96
72)		Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00
73)		Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04
74)		Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65
75)	C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34
78)		Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14
79)	S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68
80)		Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49
81)		Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96
82)		3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82
83)		Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98
84)		Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93
85)	c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)		Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)		Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90)	C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)		Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)		Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

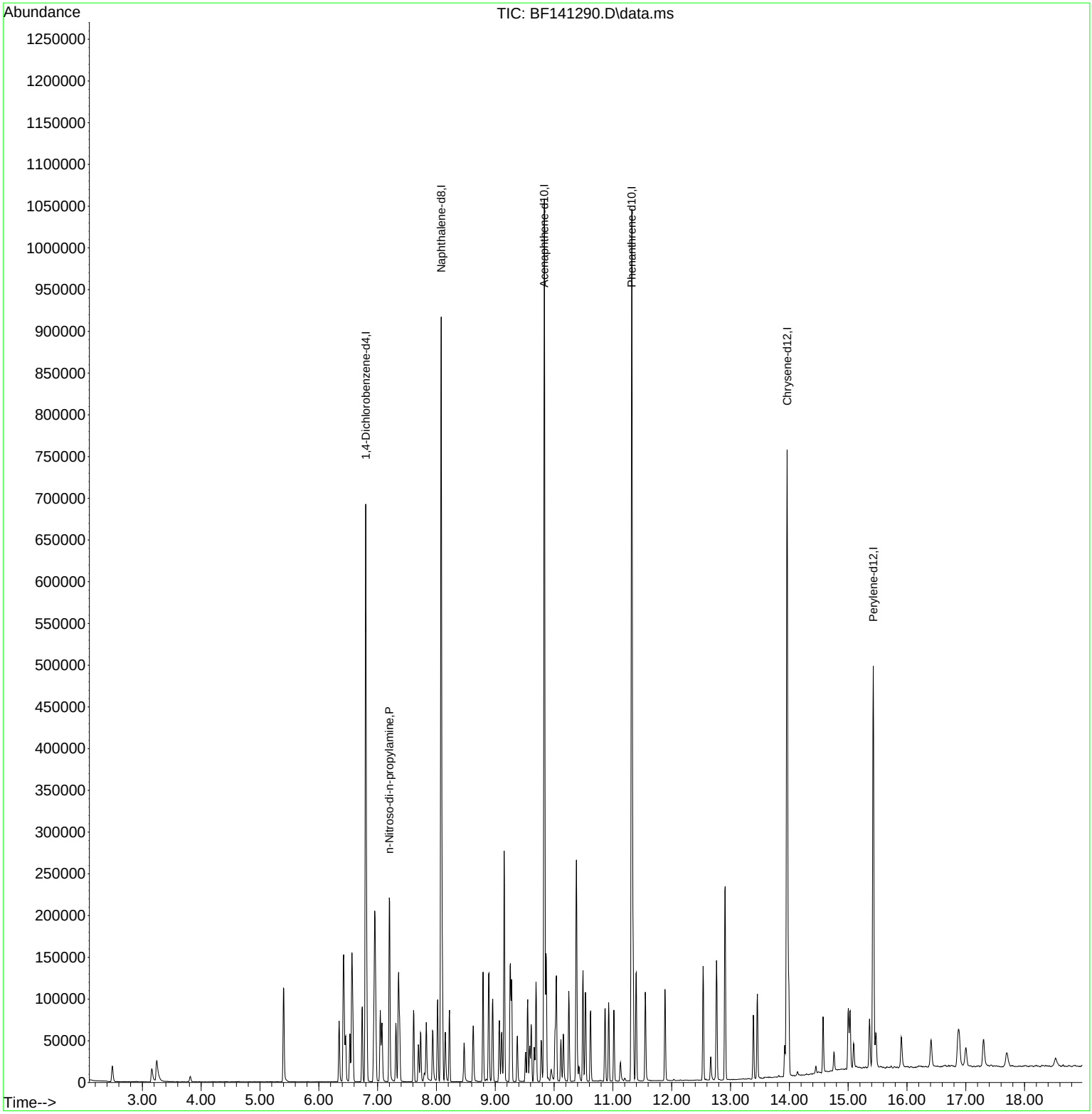
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	137039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	552749	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	301993	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	536934	20.000	ng	0.00
76) Chrysene-d12	13.963	240	311885	20.000	ng	0.00
86) Perylene-d12	15.427	264	276754	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.198	70	18566	2.764	ng	99

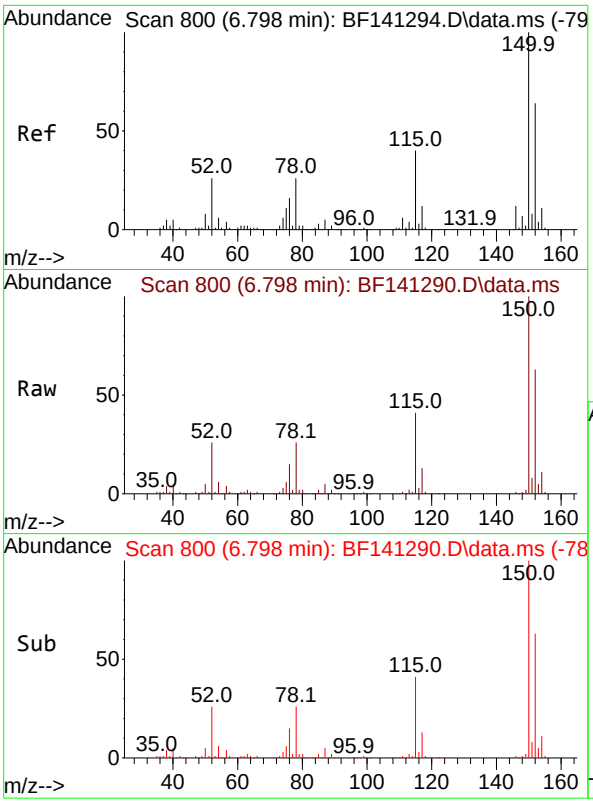
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141290.D
Acq On : 29 Jan 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 29 16:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



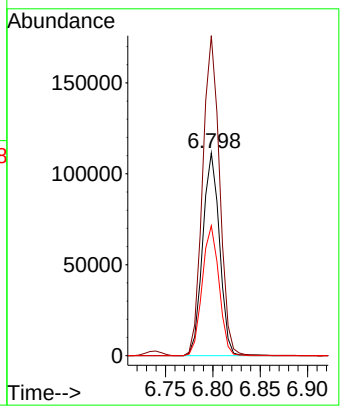


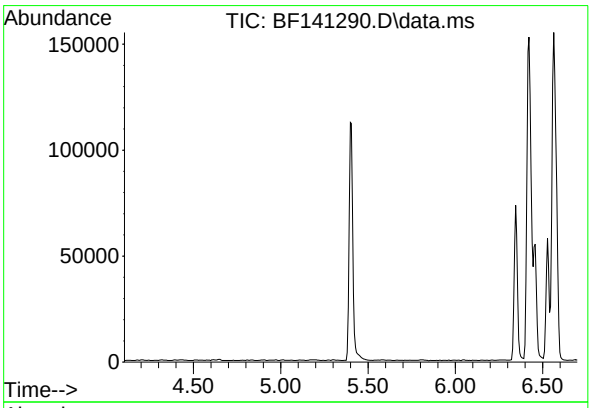
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 137039

Ion	Ratio	Lower	Upper
152	100		
150	157.8	125.9	188.9
115	64.0	49.7	74.5



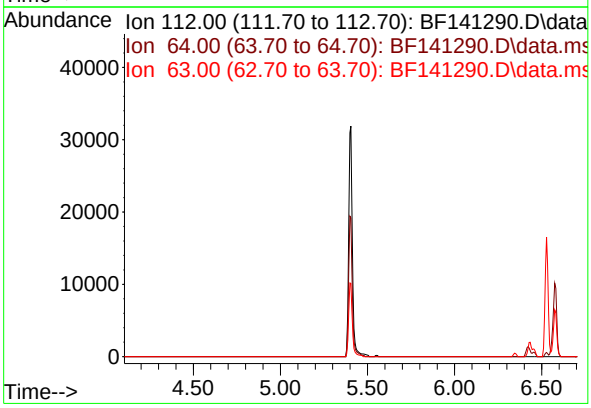


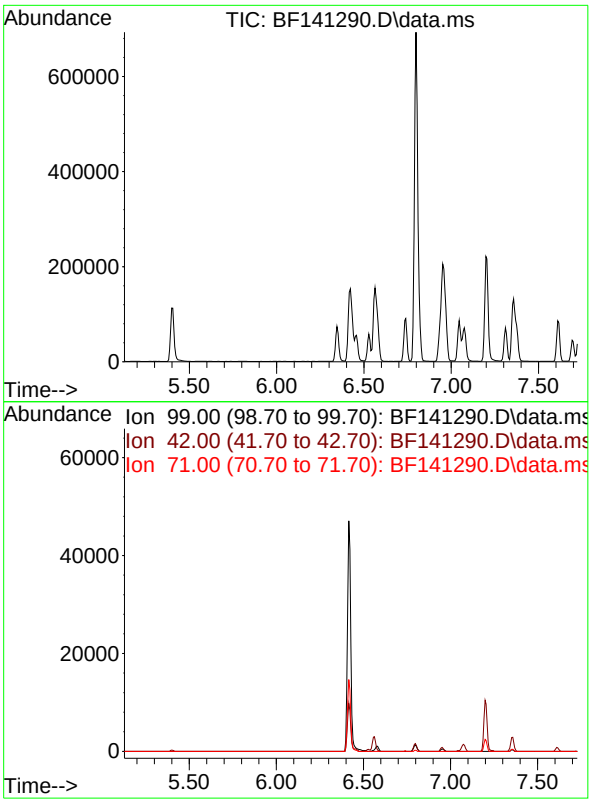
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.40 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	62.3
63	32.6





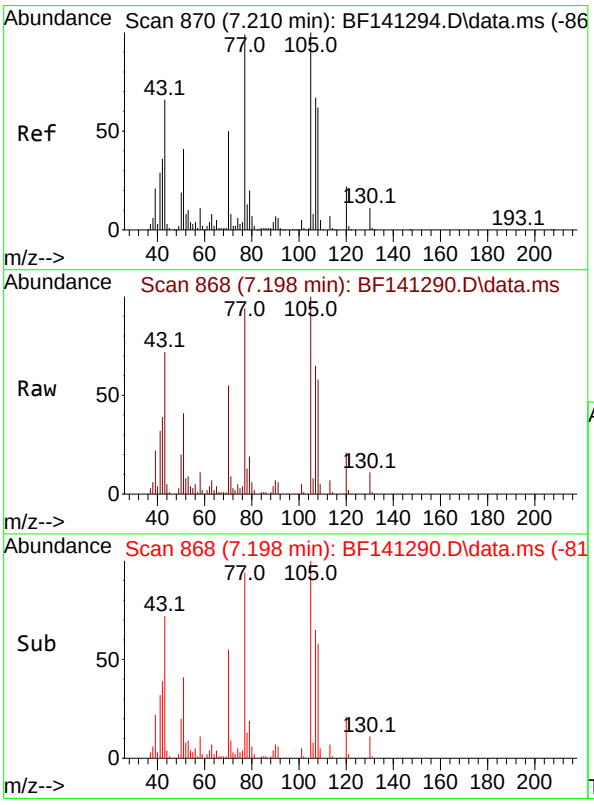
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.43 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

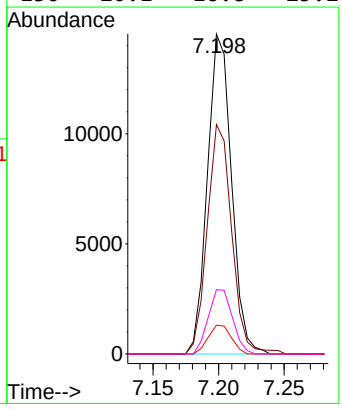
Sig	Exp Ratio
99	100
42	21.4
71	33.6

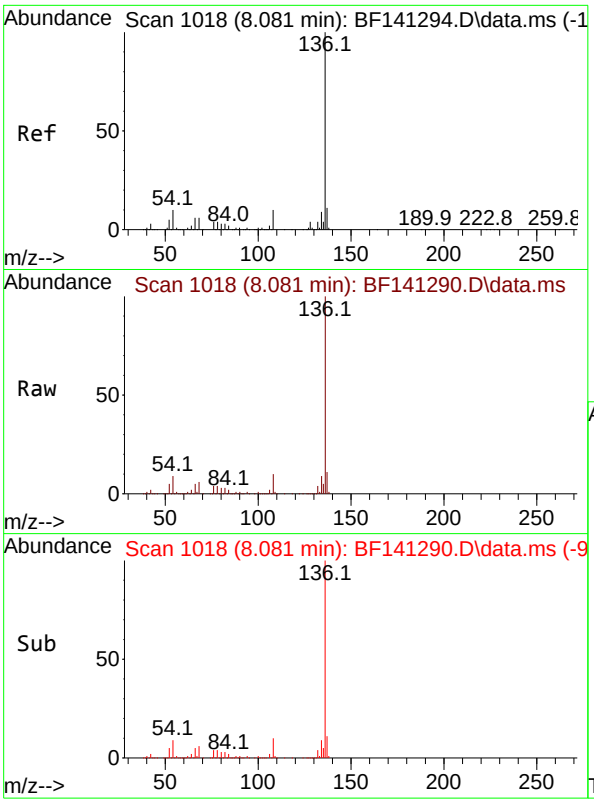


#19
n-Nitroso-di-n-propylamine
Concen: 2.764 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 70 Resp: 18566

Ion	Ratio	Lower	Upper
70	100		
42	71.6	56.8	85.2
101	9.0	7.7	11.5
130	20.1	16.8	25.2



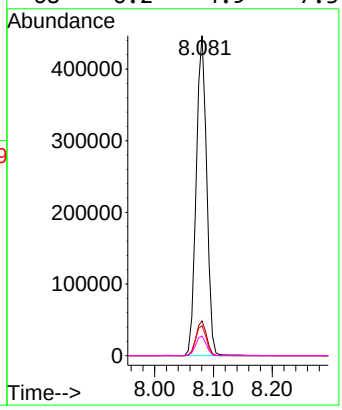


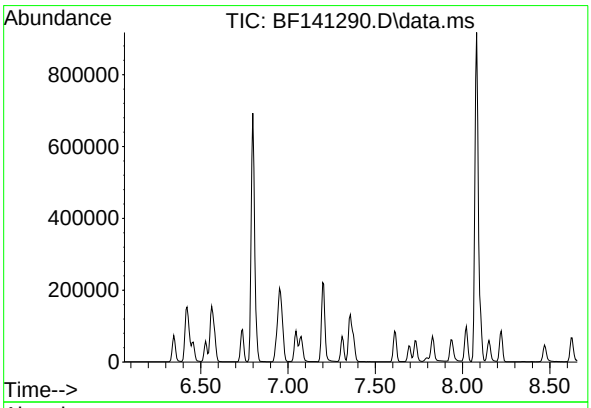
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 552749

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.4	7.8	11.8
68	6.2	4.9	7.3



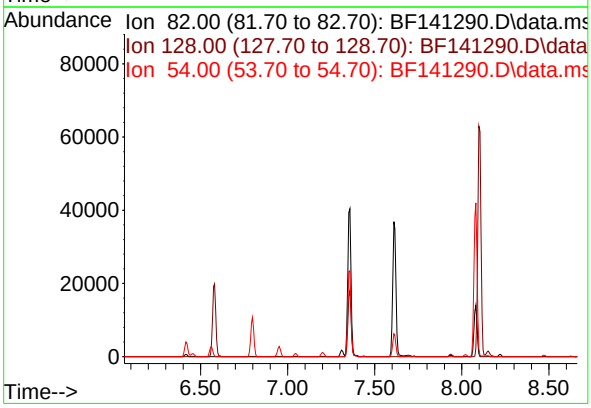


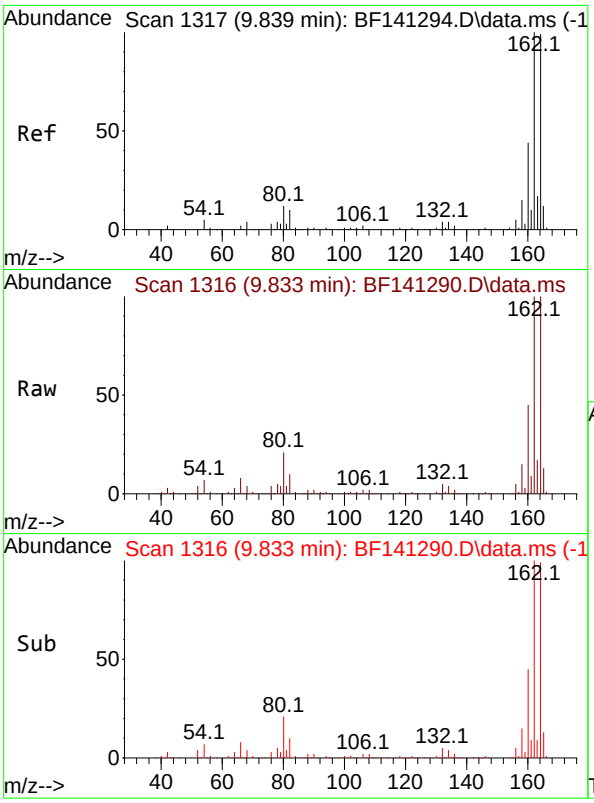
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	58.9



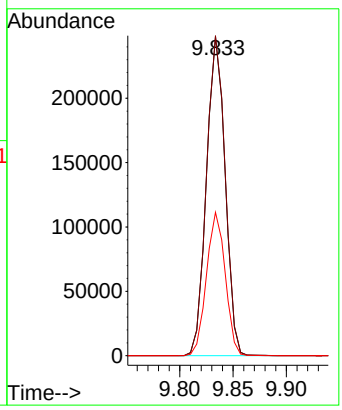


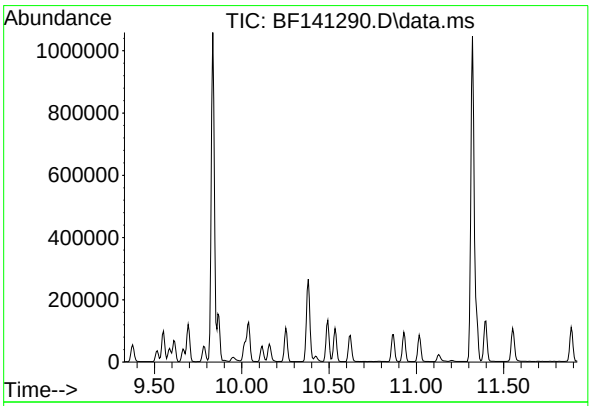
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 301993

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



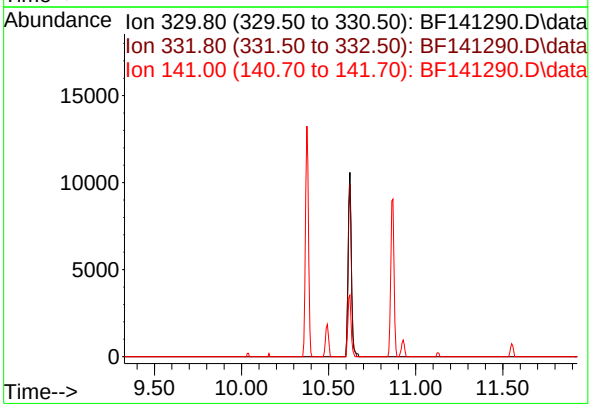


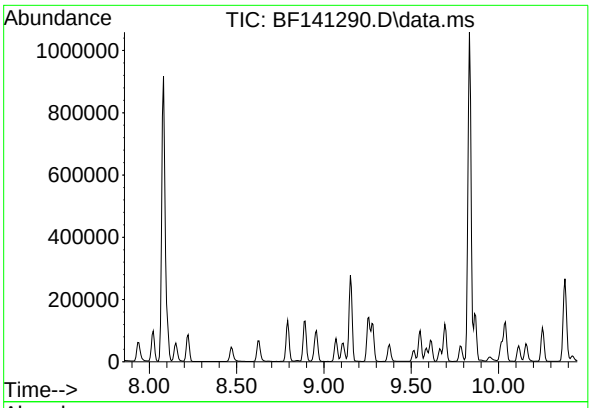
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.63 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.1
141	36.0





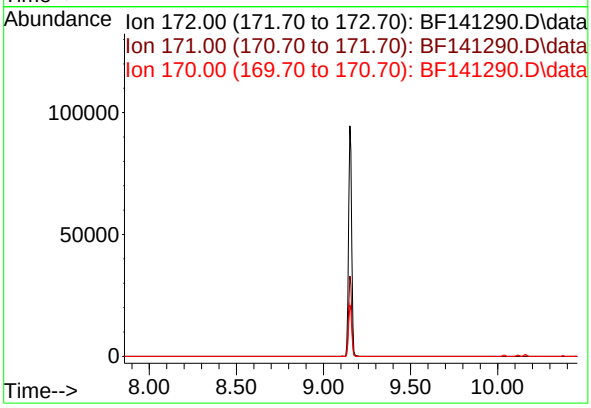
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.16 min

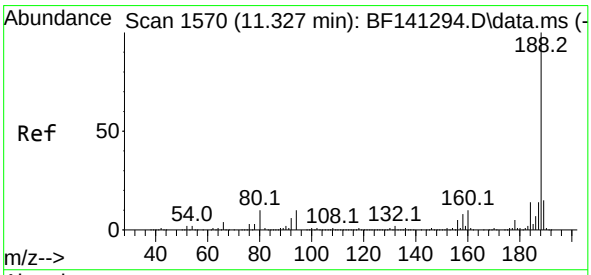
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

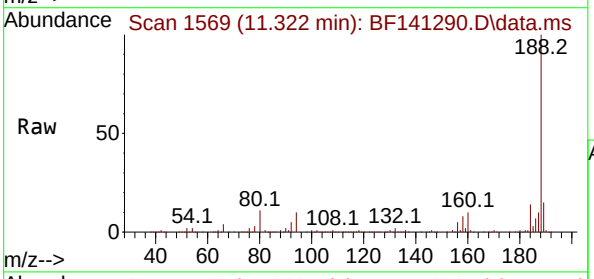
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

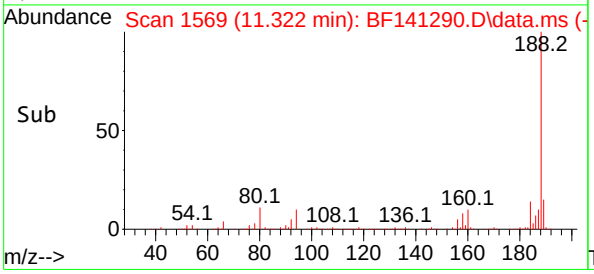
Tgt Ion: 172

Sig	Exp Ratio
172	100
171	36.0
170	23.8





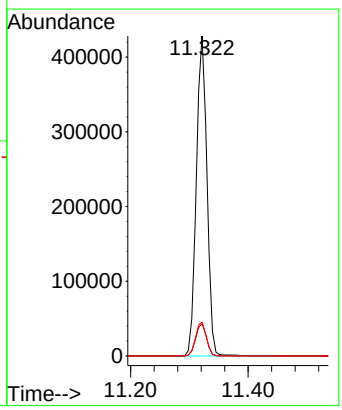


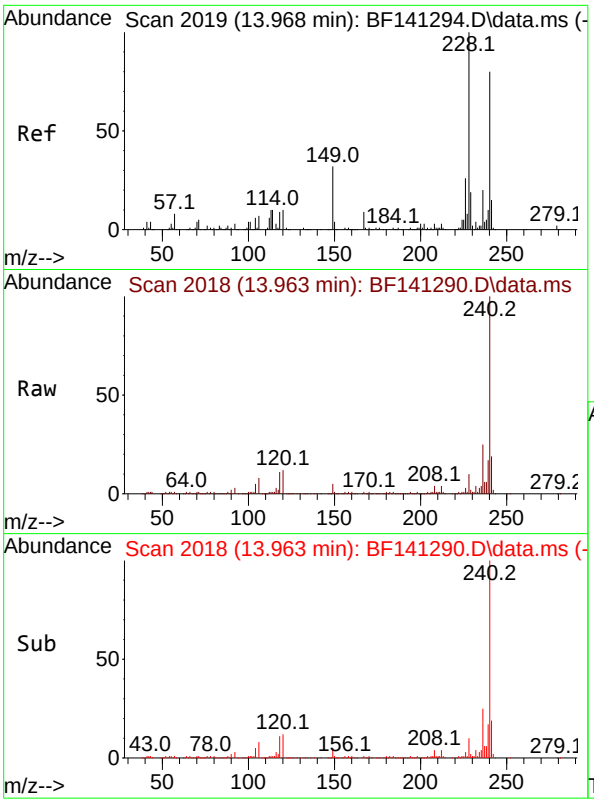


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion:188 Resp: 536934

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.6	8.2	12.4



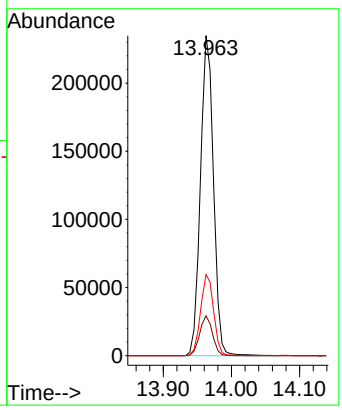


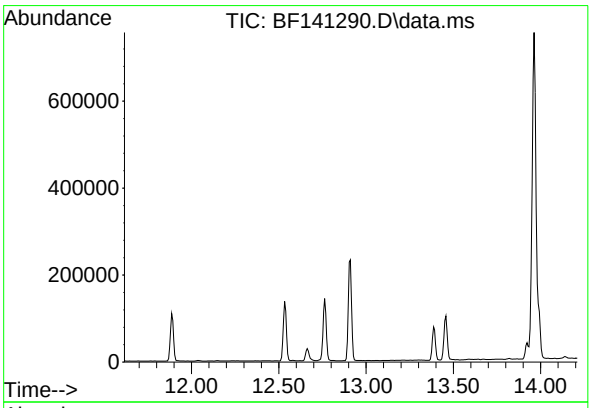
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 311885

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.3	19.7	29.5



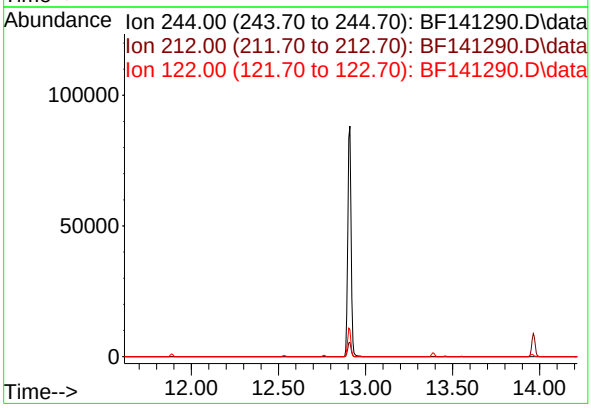


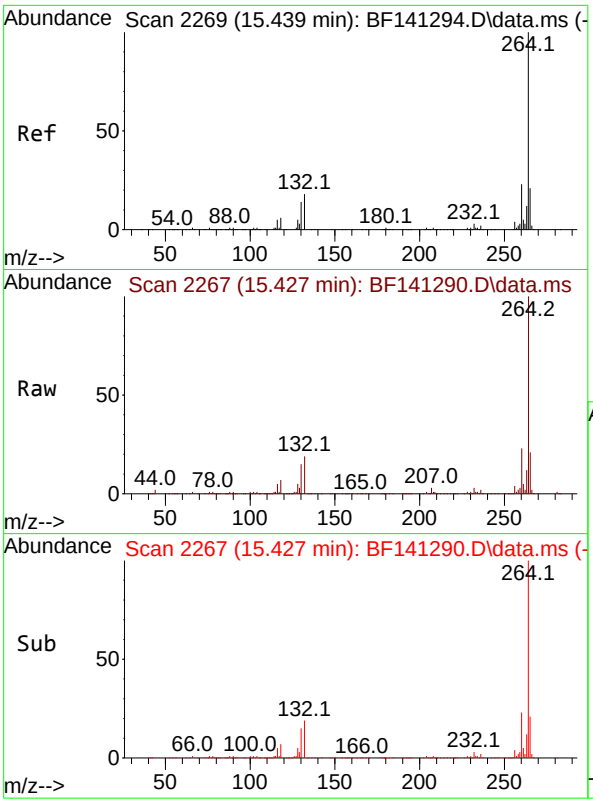
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.92 min

Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	11.0



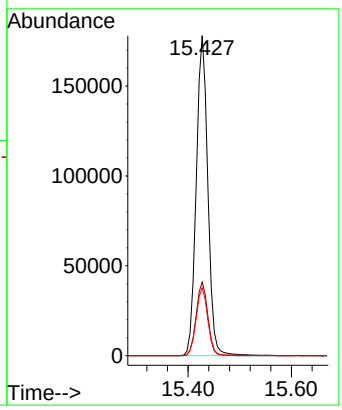


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141290.D
Acq: 29 Jan 2025 10:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 276754

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.799	152	134200	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	531551	20.000	ng		0.00
39) Acenaphthene-d10	9.834	164	281034	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	497368	20.000	ng		0.00
76) Chrysene-d12	13.963	240	288657	20.000	ng		0.00
86) Perylene-d12	15.427	264	273117	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	95839	11.044	ng		0.00
7) Phenol-d6	6.416	99	123556	11.172	ng		-0.01
23) Nitrobenzene-d5	7.357	82	107680	10.719	ng		0.00
42) 2,4,6-Tribromophenol	10.622	330	27799	10.855	ng		0.00
45) 2-Fluorobiphenyl	9.151	172	224446	12.320	ng		0.00
79) Terphenyl-d14	12.910	244	222747	11.874	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	20141	5.229	ng		99
3) Pyridine	3.234	79	45762	4.967	ng		97
4) n-Nitrosodimethylamine	3.158	42	25819	4.894	ng	#	96
6) Aniline	6.457	93	49669	5.373	ng		99
8) 2-Chlorophenol	6.581	128	51505	5.527	ng		96
9) Benzaldehyde	6.346	77	39117	6.090	ng		97
10) Phenol	6.434	94	65035	5.558	ng		93
11) bis(2-Chloroethyl)ether	6.528	93	49579	5.510	ng		98
12) 1,3-Dichlorobenzene	6.740	146	56929	5.539	ng		99
13) 1,4-Dichlorobenzene	6.816	146	57684	5.573	ng		99
14) 1,2-Dichlorobenzene	6.969	146	54653	5.650	ng		98
15) Benzyl Alcohol	6.934	79	38176	5.053	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.075	45	84988	5.436	ng		100
17) 2-Methylphenol	7.046	107	41498	5.500	ng		99
18) Hexachloroethane	7.310	117	20418	5.332	ng		95
19) n-Nitroso-di-n-propyla...	7.198	70	35278	5.363	ng		100
20) 3+4-Methylphenols	7.198	107	52364	5.645	ng	#	90
22) Acetophenone	7.204	105	72756	5.774	ng		98
24) Nitrobenzene	7.375	77	55610	5.337	ng		99
25) Isophorone	7.610	82	92818	5.346	ng		98
26) 2-Nitrophenol	7.693	139	23372	4.789	ng		97
27) 2,4-Dimethylphenol	7.728	122	32462	5.205	ng		99
28) bis(2-Chloroethoxy)met...	7.828	93	60286	5.449	ng		98
29) 2,4-Dichlorophenol	7.934	162	40847	5.360	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	49479	5.661	ng		96
31) Naphthalene	8.098	128	158560	5.672	ng		99
32) Benzoic acid	7.793	122	18585	3.281	ng		93
33) 4-Chloroaniline	8.151	127	50760	5.405	ng		97
34) Hexachlorobutadiene	8.222	225	27720	5.419	ng		99
35) Caprolactam	8.475	113	12827	5.204	ng		94
36) 4-Chloro-3-methylphenol	8.622	107	43627	5.334	ng		97
37) 2-Methylnaphthalene	8.793	142	100305	5.634	ng		98
38) 1-Methylnaphthalene	8.893	142	100569	5.767	ng		99
40) 1,2,4,5-Tetrachloroben...	8.957	216	43228	5.410	ng		97
41) Hexachlorocyclopentadiene	8.945	237	9555	3.985	ng		98
43) 2,4,6-Trichlorophenol	9.069	196	26790	5.136	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

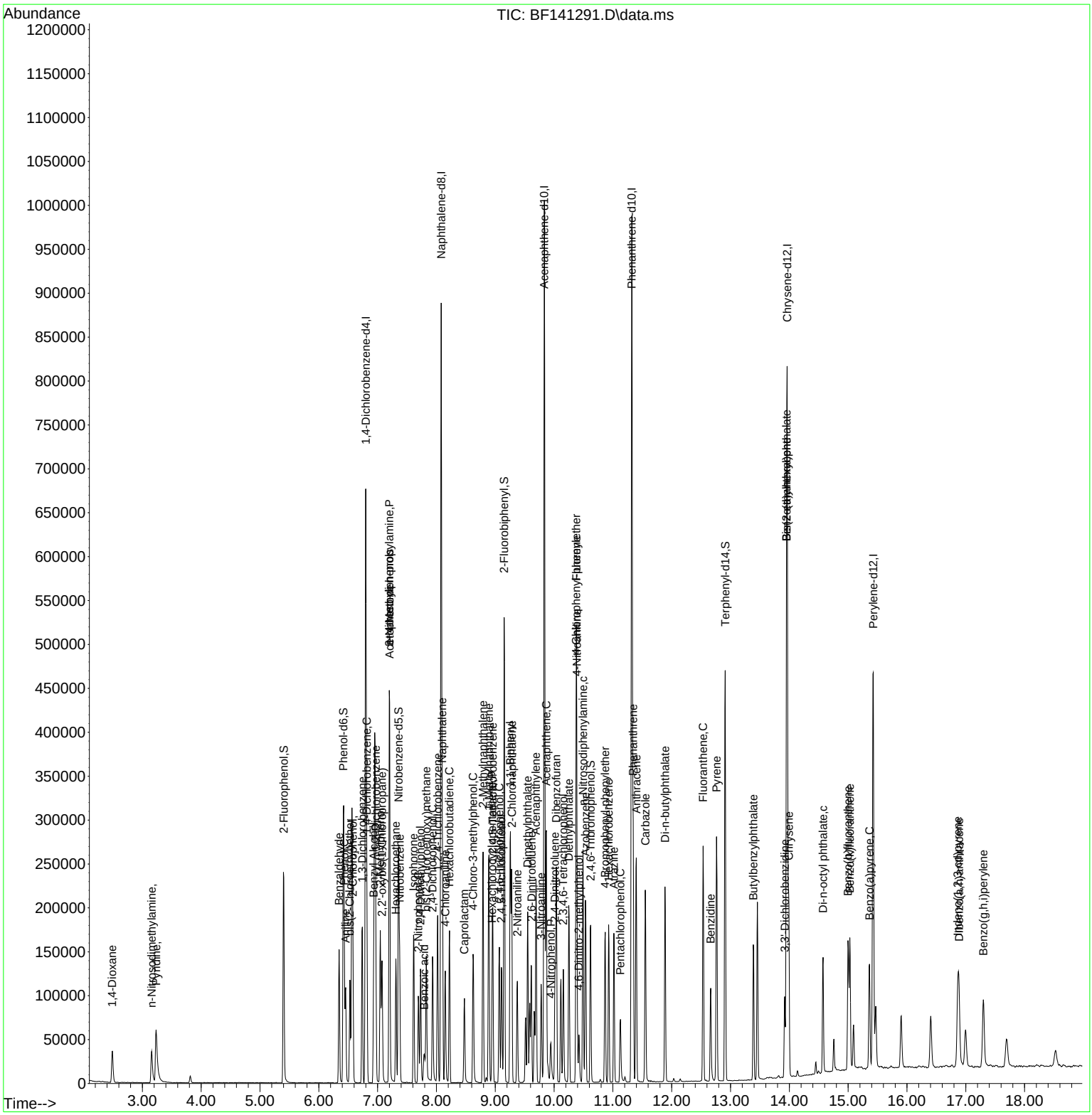
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	30127	5.309	ng	98
46) 1,1'-Biphenyl	9.257	154	127187	5.801	ng	99
47) 2-Chloronaphthalene	9.281	162	98081	5.760	ng	97
48) 2-Nitroaniline	9.375	65	27154	5.056	ng	99
49) Acenaphthylene	9.692	152	134958	5.643	ng	99
50) Dimethylphthalate	9.551	163	105240	5.584	ng	99
51) 2,6-Dinitrotoluene	9.616	165	23372	5.329	ng	95
52) Acenaphthene	9.869	154	95591	5.617	ng	100
53) 3-Nitroaniline	9.781	138	22582	5.206	ng	91
55) Dibenzofuran	10.039	168	131288	5.769	ng	98
56) 4-Nitrophenol	9.945	139	13160	4.226	ng	89
57) 2,4-Dinitrotoluene	10.016	165	29799	5.268	ng	98
58) Fluorene	10.381	166	106198	6.002	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	22818	5.090	ng	96
60) Diethylphthalate	10.251	149	103307	5.660	ng	98
61) 4-Chlorophenyl-phenyle...	10.375	204	51875	6.007	ng	98
62) 4-Nitroaniline	10.387	138	20870	5.008	ng	95
63) Azobenzene	10.534	77	102878	5.623	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	9960	3.353	ng	92
66) n-Nitrosodiphenylamine	10.492	169	89060	5.523	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	29160	5.245	ng	94
68) Hexachlorobenzene	10.928	284	31990	5.424	ng	98
69) Atrazine	11.016	200	26258	4.855	ng	97
70) Pentachlorophenol	11.128	266	13924	4.027	ng	96
71) Phenanthrene	11.345	178	153320	5.738	ng	99
72) Anthracene	11.398	178	146593	5.625	ng	99
73) Carbazole	11.551	167	126760	5.491	ng	99
74) Di-n-butylphthalate	11.886	149	154718	5.560	ng	100
75) Fluoranthene	12.533	202	148553	5.696	ng	99
77) Benzidine	12.663	184	63661	7.253	ng	98
78) Pyrene	12.763	202	157175	5.639	ng	99
80) Butylbenzylphthalate	13.386	149	49477	5.140	ng	99
81) Benzo(a)anthracene	13.951	228	110559	5.588	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	29754	4.803	ng	100
83) Chrysene	13.992	228	96099	5.238	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	63638	5.269	ng	98
85) Di-n-octyl phthalate	14.574	149	86163	4.560	ng	98
87) Indeno(1,2,3-cd)pyrene	16.863	276	83074	4.657	ng	99
88) Benzo(b)fluoranthene	14.998	252	92690	5.465	ng	99
89) Benzo(k)fluoranthene	15.027	252	79701	5.247	ng	99
90) Benzo(a)pyrene	15.363	252	76368	5.268	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	65991	4.615	ng	99
92) Benzo(g,h,i)perylene	17.298	276	69049	4.591	ng	97

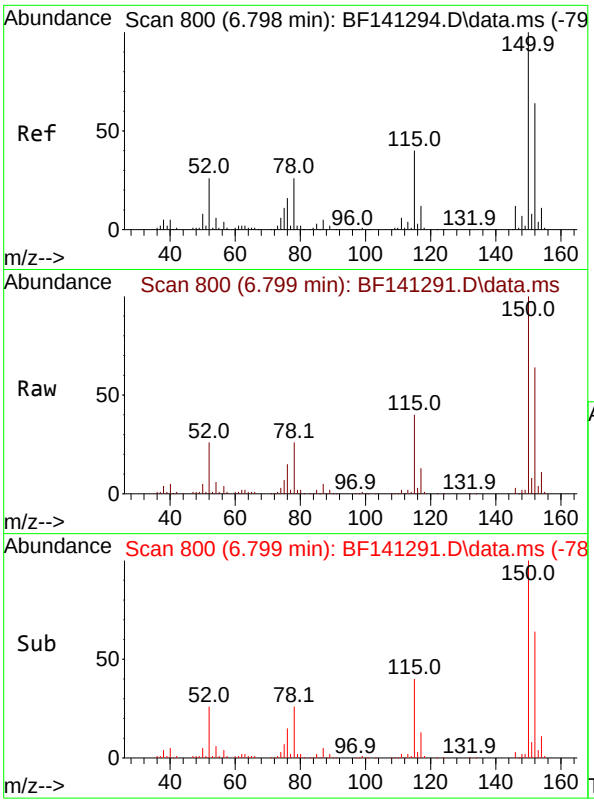
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141291.D
Acq On : 29 Jan 2025 10:56
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 29 16:26:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



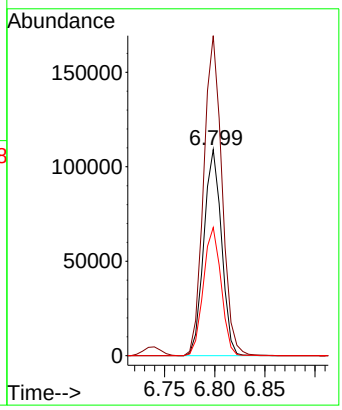


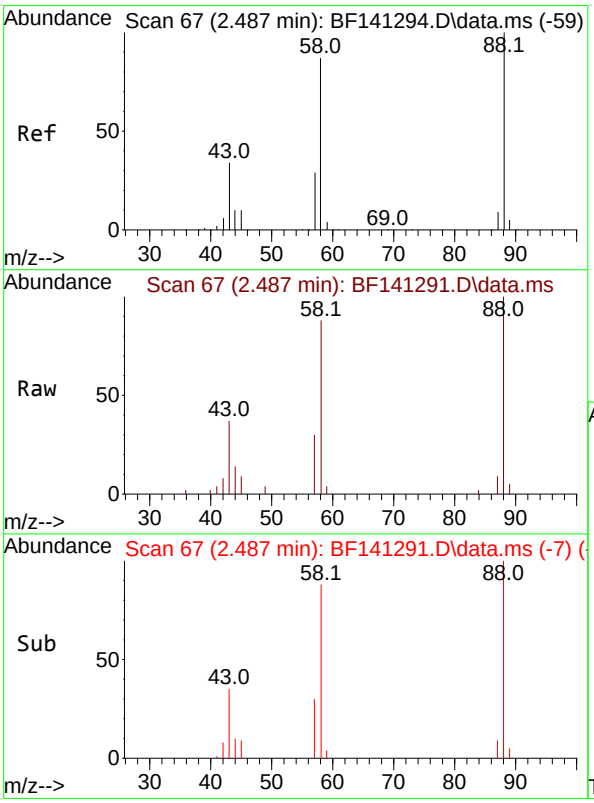
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.799 min Scan# 8
Delta R.T. 0.001 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134200

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	62.2	49.7	74.5

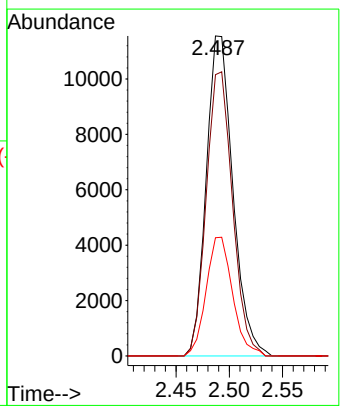


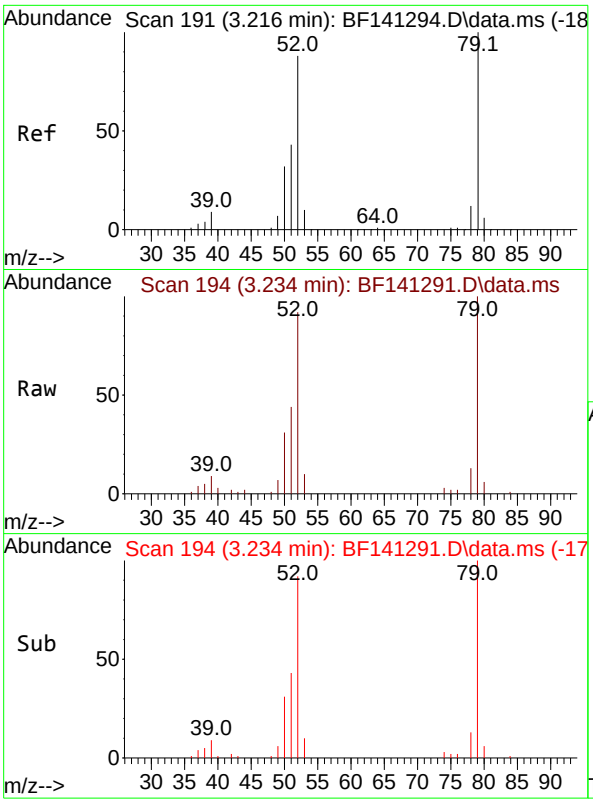


#2
1,4-Dioxane
Concen: 5.229 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 88 Resp: 20141

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	36.8	27.6	41.4



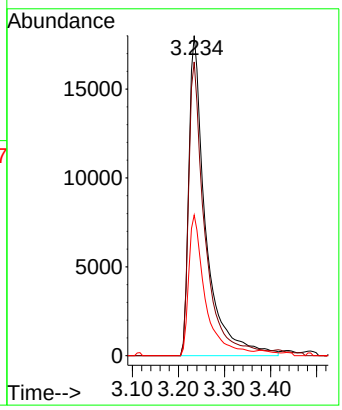


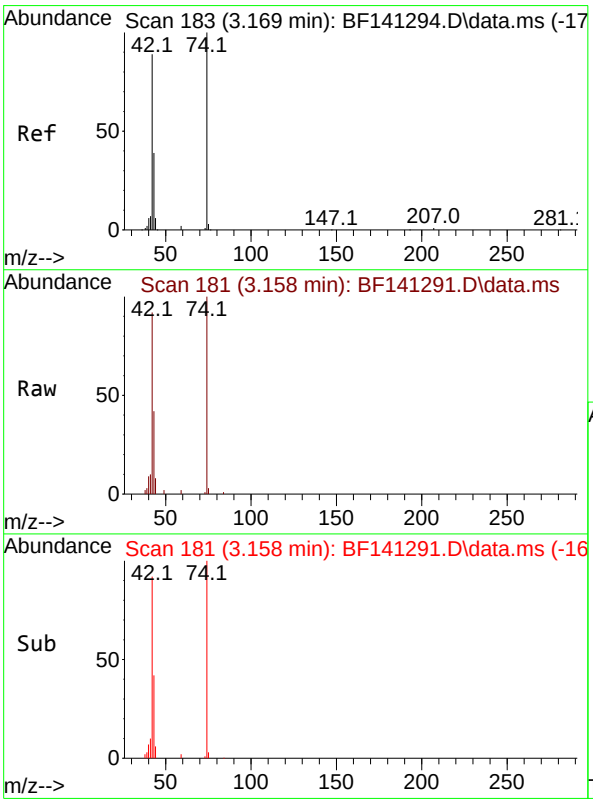
#3
Pyridine
Concen: 4.967 ng
RT: 3.234 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 45762

Ion	Ratio	Lower	Upper
79	100		
52	91.8	70.3	105.5
51	43.9	34.3	51.5

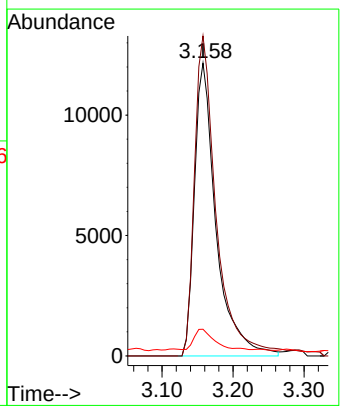


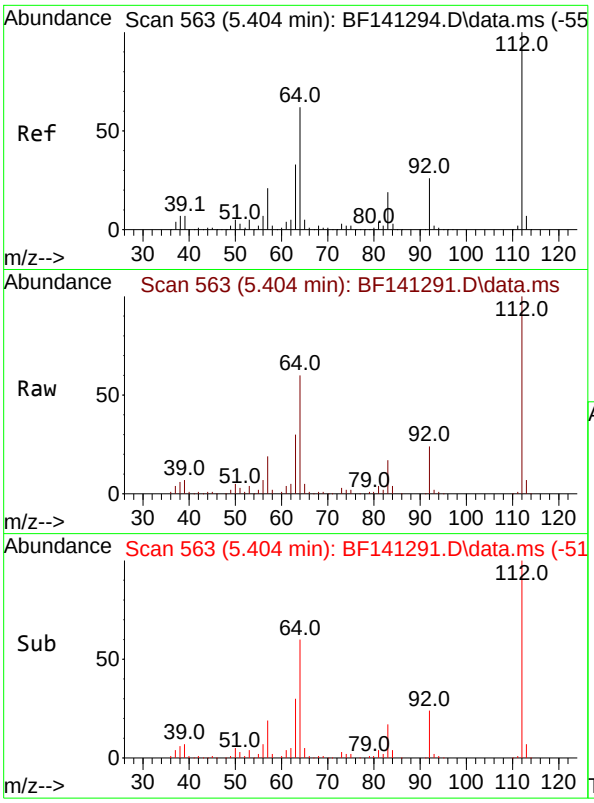


#4
n-Nitrosodimethylamine
Concen: 4.894 ng
RT: 3.158 min Scan# 181
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 42 Resp: 25819

Ion	Ratio	Lower	Upper
42	100		
74	109.3	90.3	135.5
44	9.1	5.7	8.5#



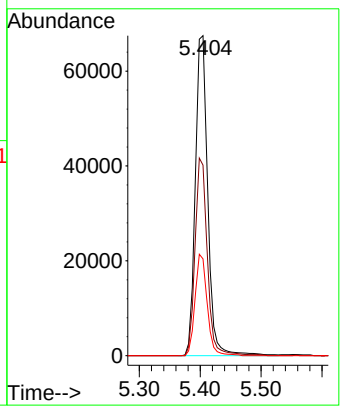


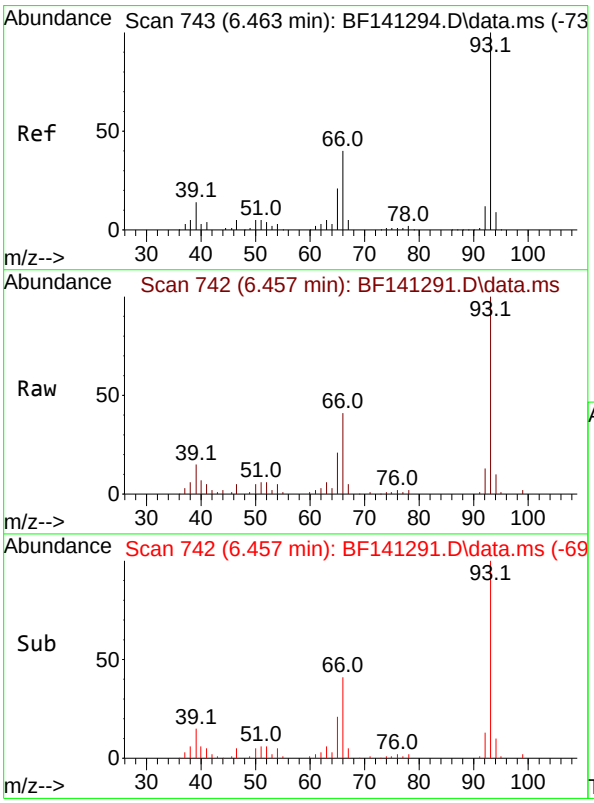
#5
2-Fluorophenol
Concen: 11.044 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 95839

Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.8	74.8
63	30.2	26.1	39.1

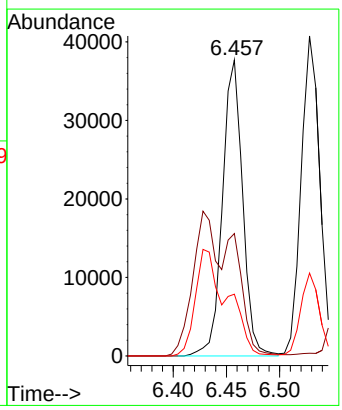


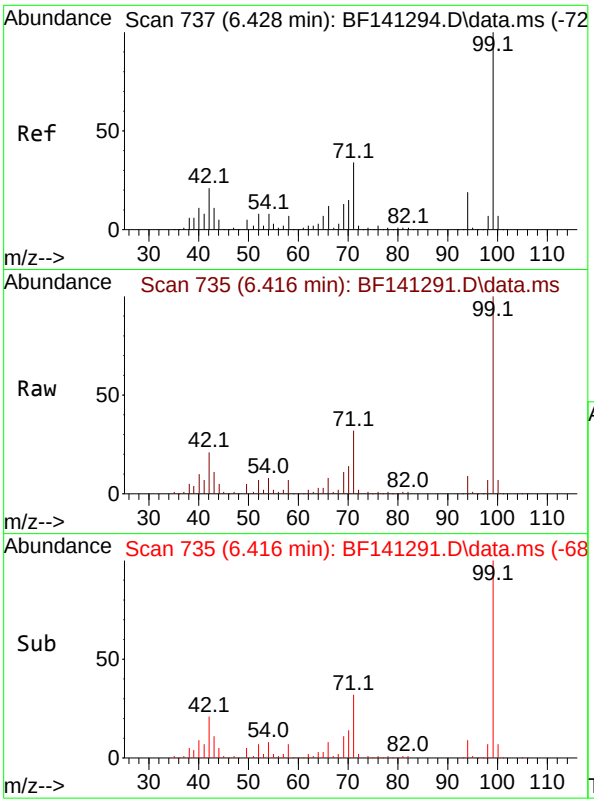


#6
Aniline
Concen: 5.373 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 49669

Ion	Ratio	Lower	Upper
93	100		
66	41.4	32.5	48.7
65	20.9	17.0	25.6



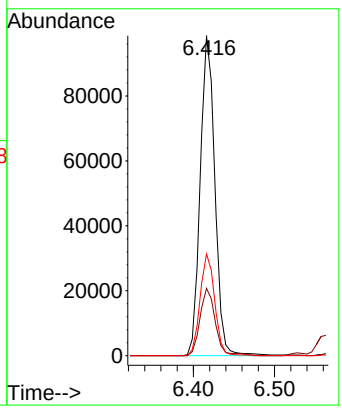


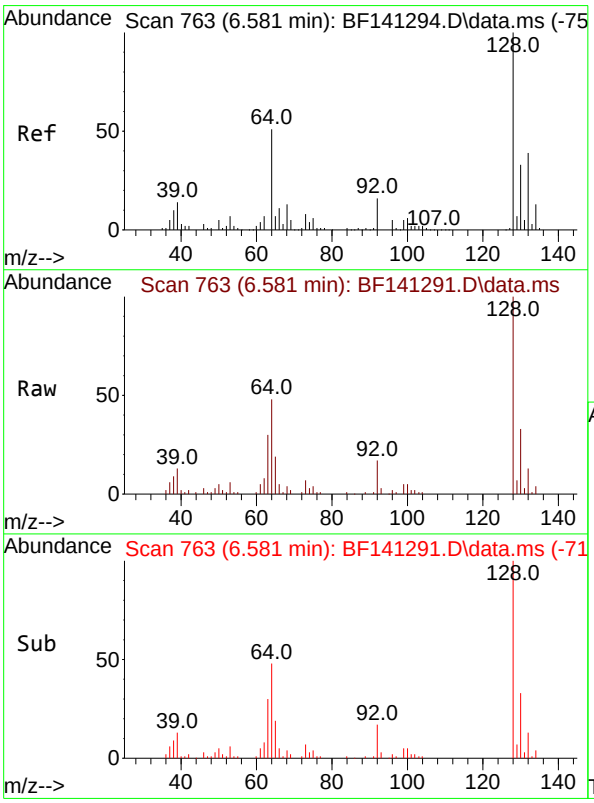
#7
Phenol-d6
Concen: 11.172 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 123556

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	31.8	26.9	40.3

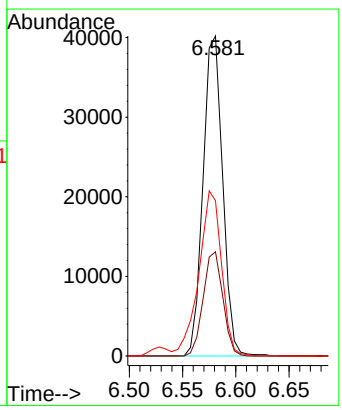


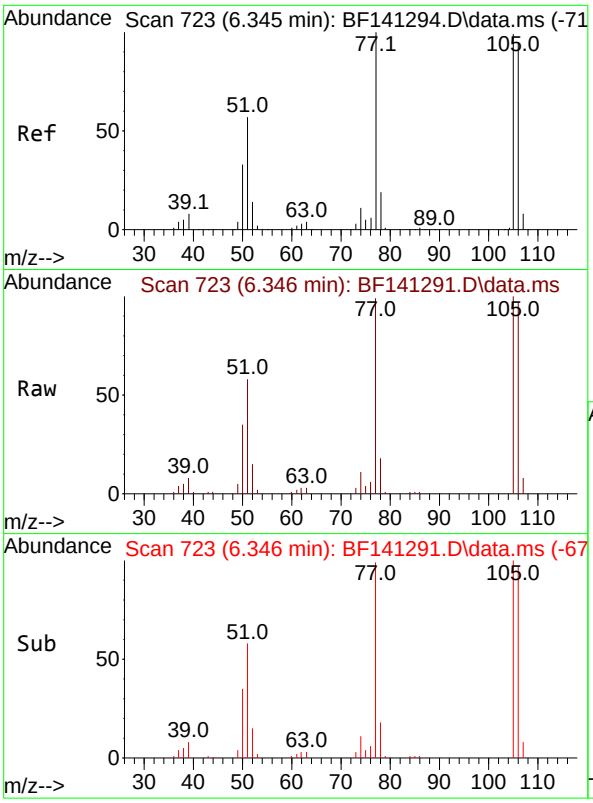


#8
2-Chlorophenol
Concen: 5.527 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:128 Resp: 51505

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.5	32.9	72.9



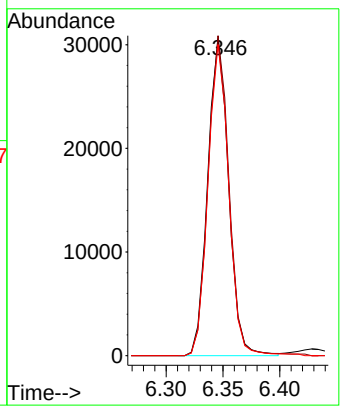


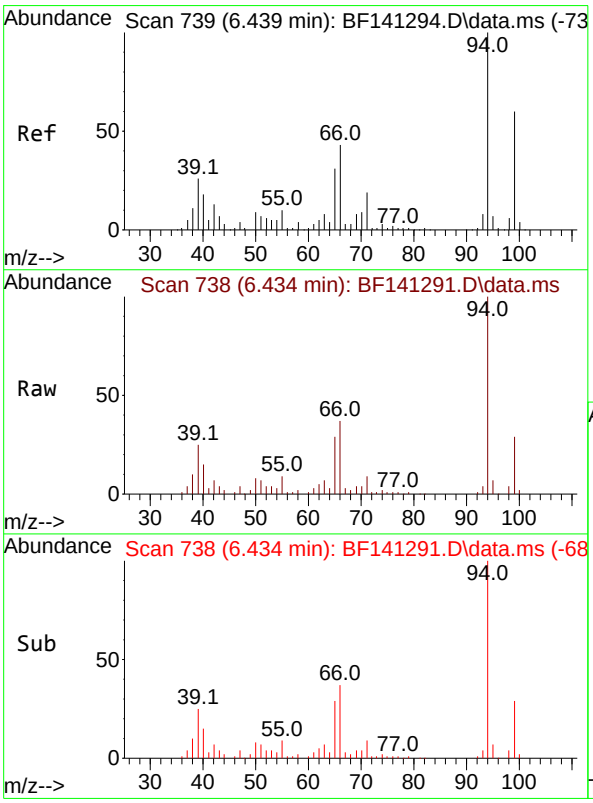
#9
Benzaldehyde
Concen: 6.090 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 39117

Ion	Ratio	Lower	Upper
77	100		
105	100.9	79.4	119.4
106	98.1	74.6	114.6

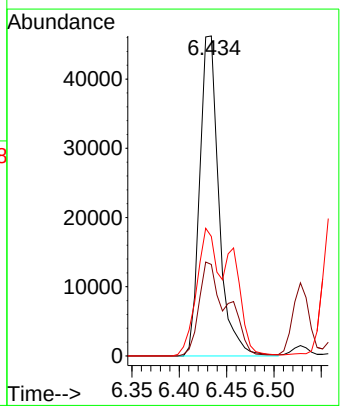


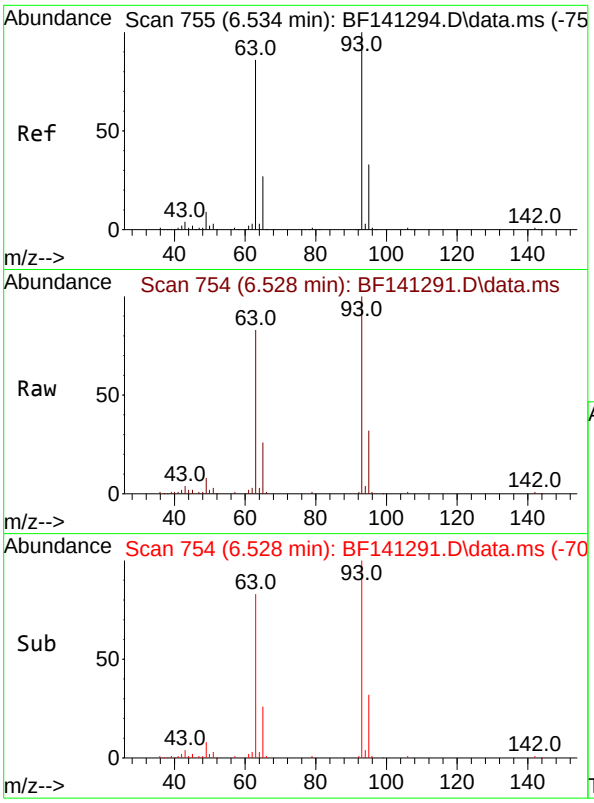


#10
Phenol
Concen: 5.558 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 94 Resp: 65035

Ion	Ratio	Lower	Upper
94	100		
65	28.6	10.8	50.8
66	37.4	23.3	63.3



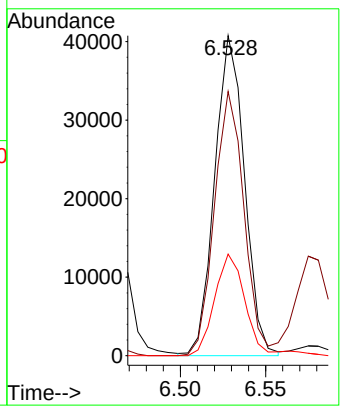


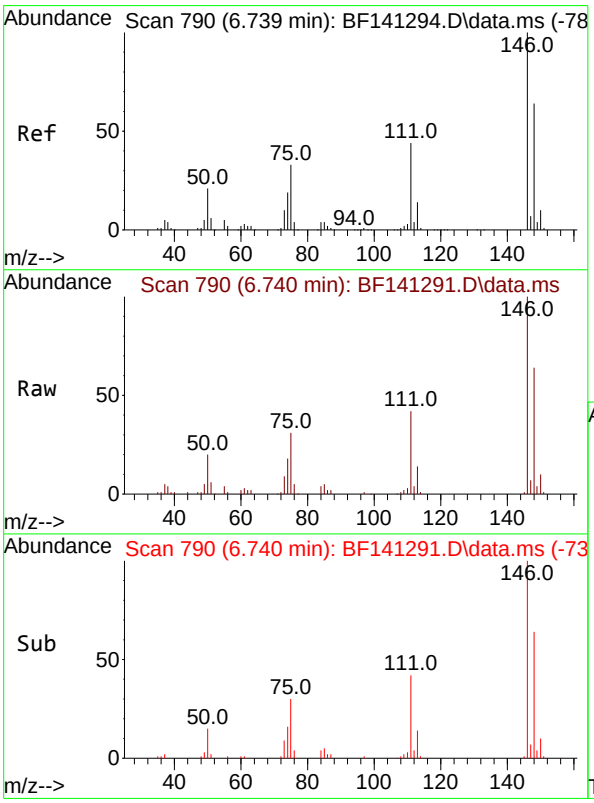
#11
bis(2-Chloroethyl)ether
Concen: 5.510 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 49579

Ion	Ratio	Lower	Upper
93	100		
63	82.6	65.0	105.0
95	31.7	12.4	52.4

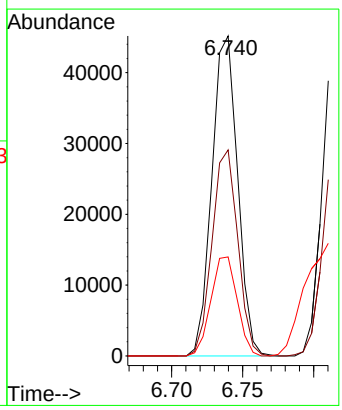


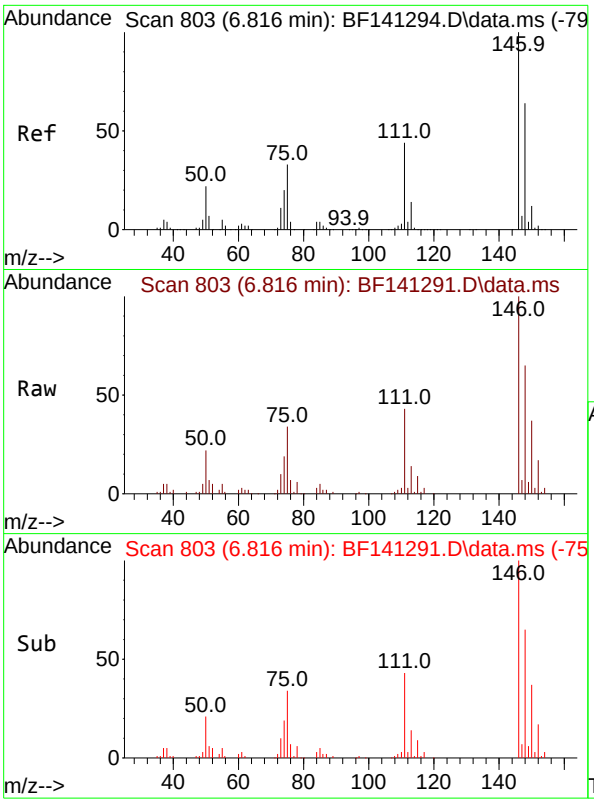


#12
1,3-Dichlorobenzene
Concen: 5.539 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 56929

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	30.9	26.2	39.4



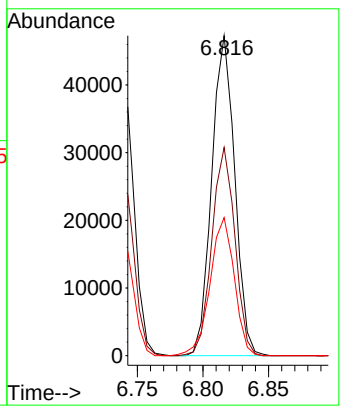


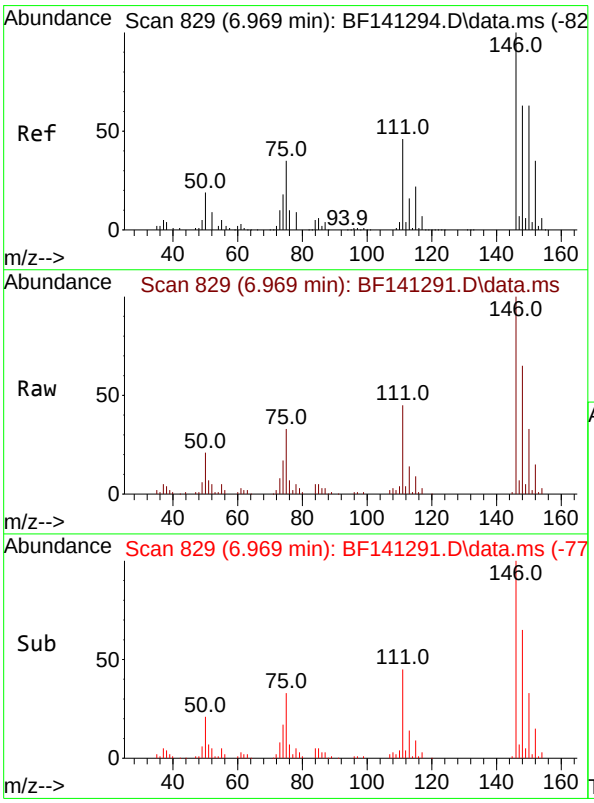
#13
1,4-Dichlorobenzene
Concen: 5.573 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 57684

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.2	76.8
111	43.2	35.0	52.4

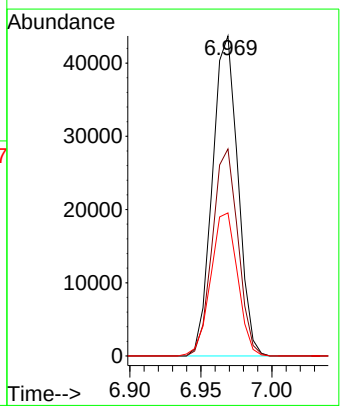


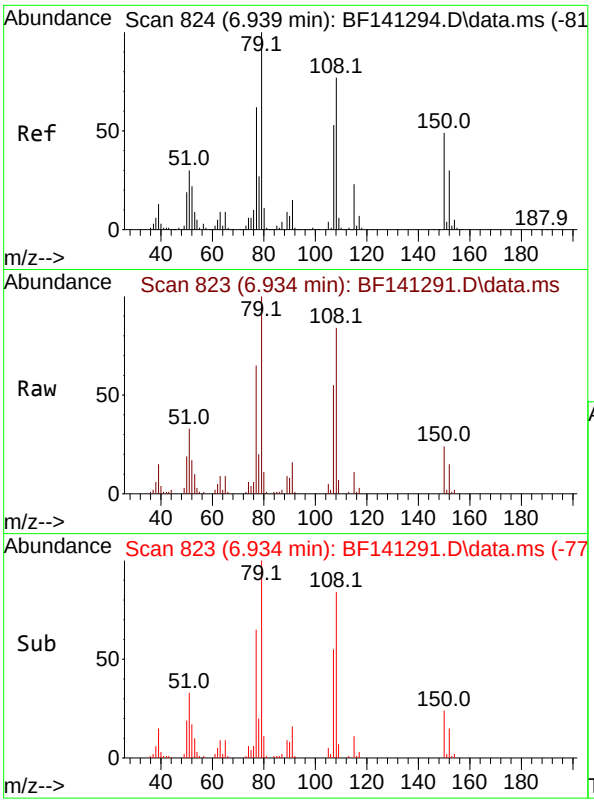


#14
1,2-Dichlorobenzene
Concen: 5.650 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:146 Resp: 54653

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.5	75.7
111	44.7	36.6	55.0



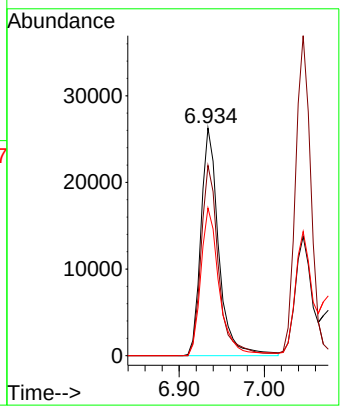


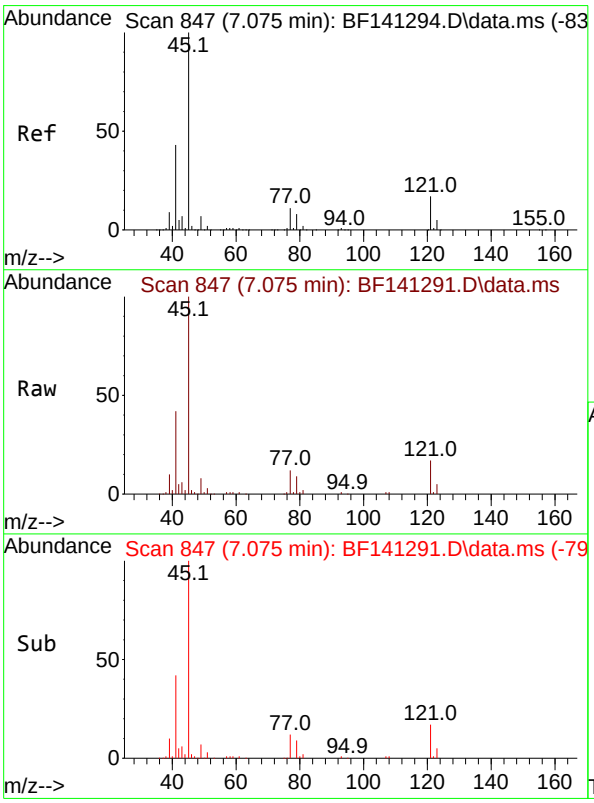
#15
Benzyl Alcohol
Concen: 5.053 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 38176

Ion	Ratio	Lower	Upper
79	100		
108	83.6	61.4	92.0
77	64.8	49.9	74.9

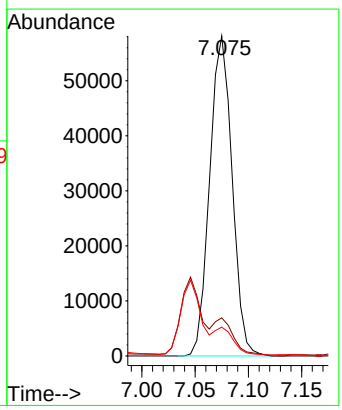


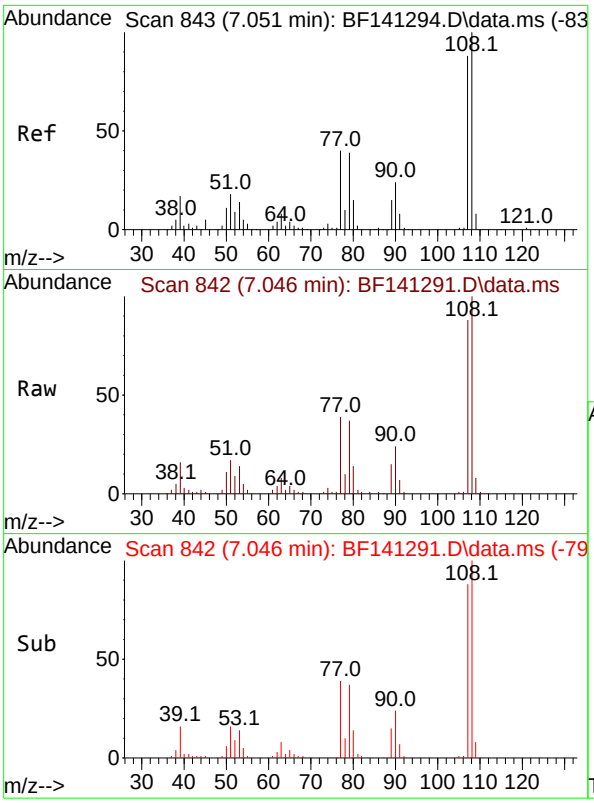


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.436 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 45 Resp: 84988

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.0	0.0	29.1



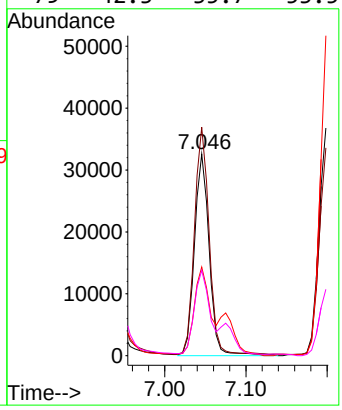


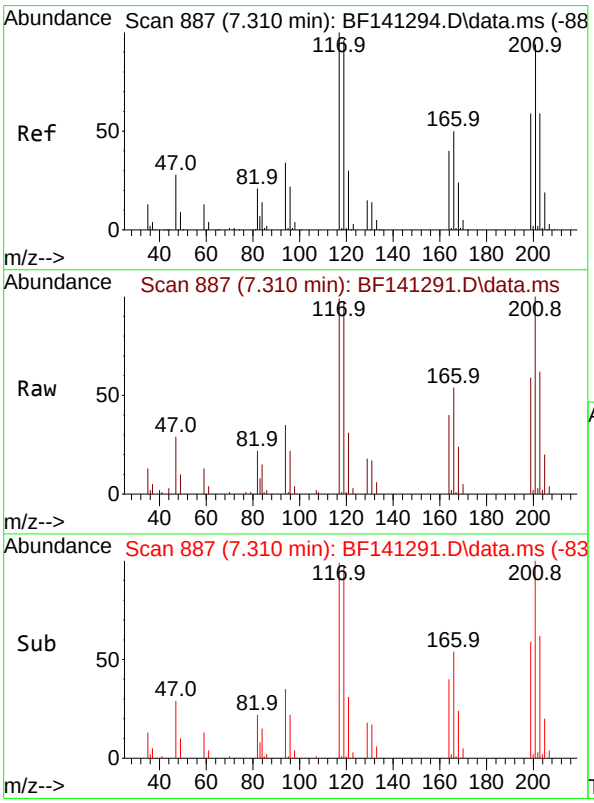
#17
2-Methylphenol
Concen: 5.500 ng
RT: 7.046 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 41498

Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	44.0	36.2	54.4
79	42.3	35.7	53.5

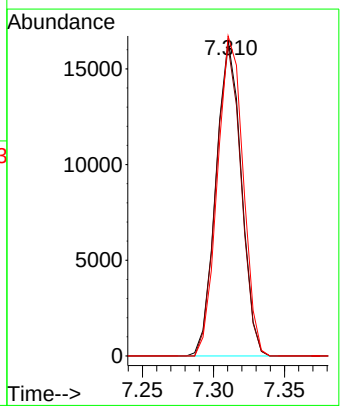


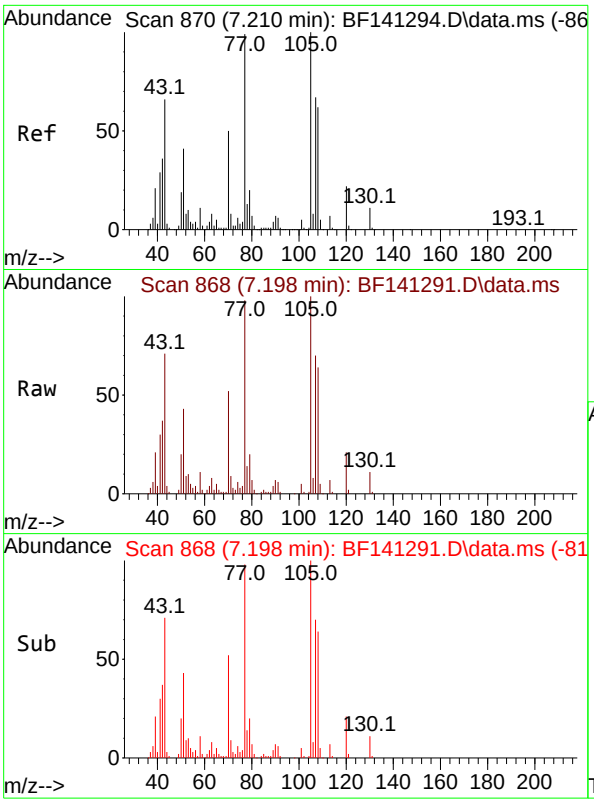


#18
Hexachloroethane
Concen: 5.332 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:117 Resp: 20418

Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.6	114.8
201	101.4	74.8	112.2



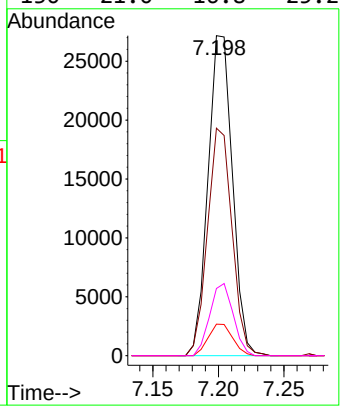


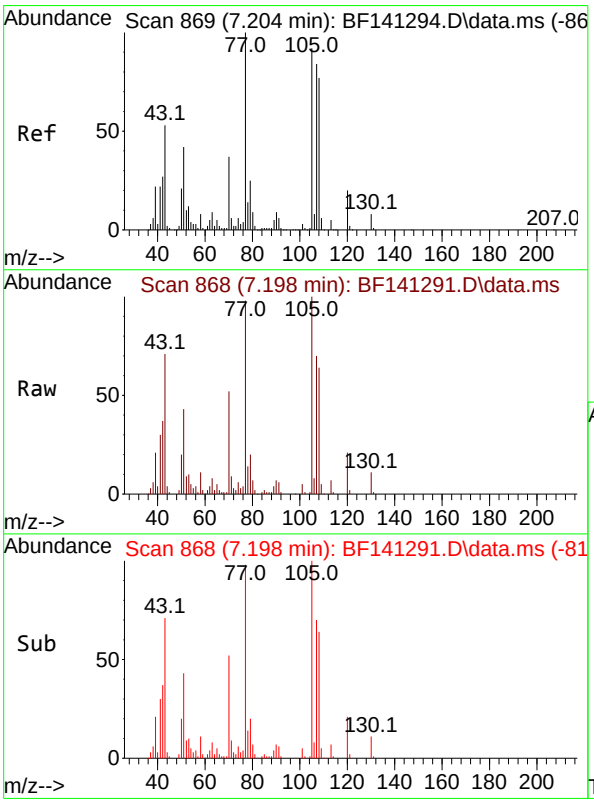
#19
n-Nitroso-di-n-propylamine
Concen: 5.363 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 35278

Ion	Ratio	Lower	Upper
70	100		
42	71.1	56.8	85.2
101	9.9	7.7	11.5
130	21.0	16.8	25.2

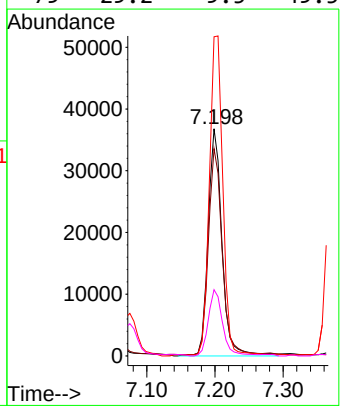


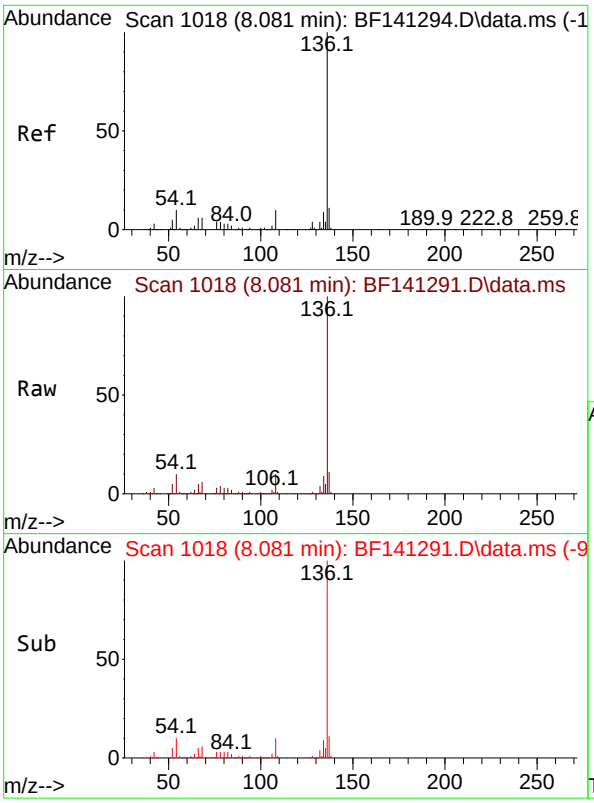


#20
3+4-Methylphenols
Concen: 5.645 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 52364

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.9	110.9
77	140.5	98.5	138.5#
79	29.2	9.5	49.5



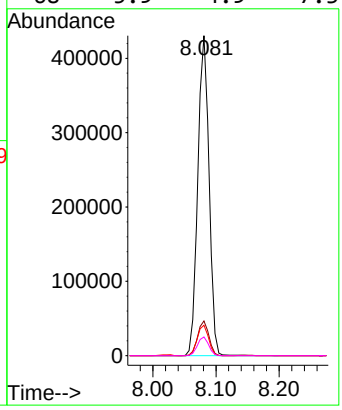


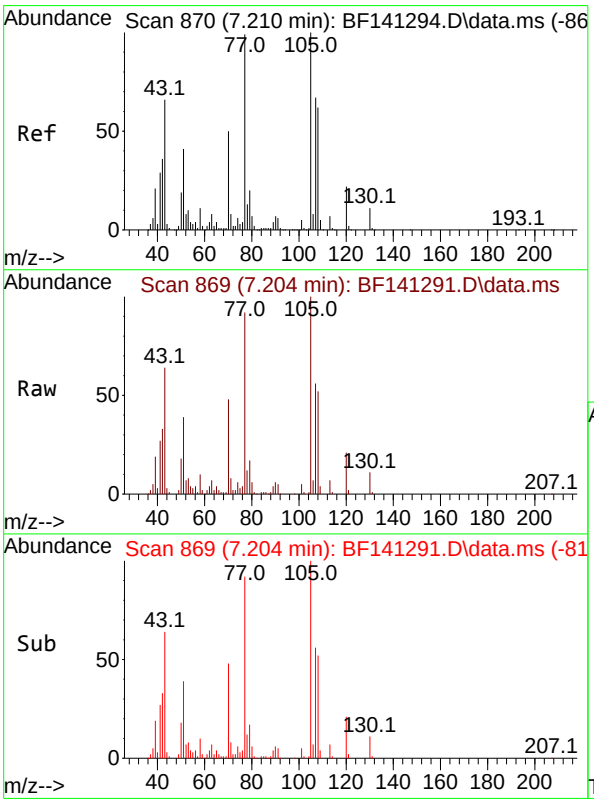
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 531551

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3

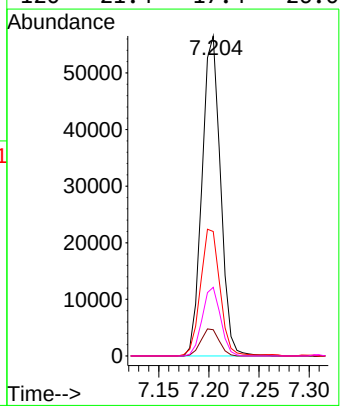


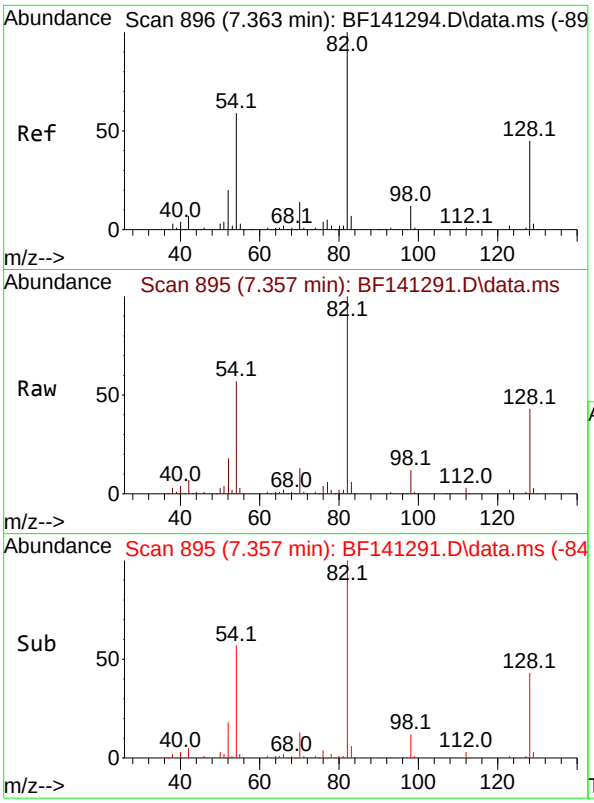


#22
Acetophenone
Concen: 5.774 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:105 Resp: 72756

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	38.9	32.6	49.0
120	21.4	17.4	26.0



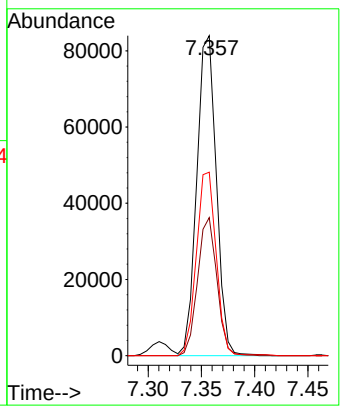


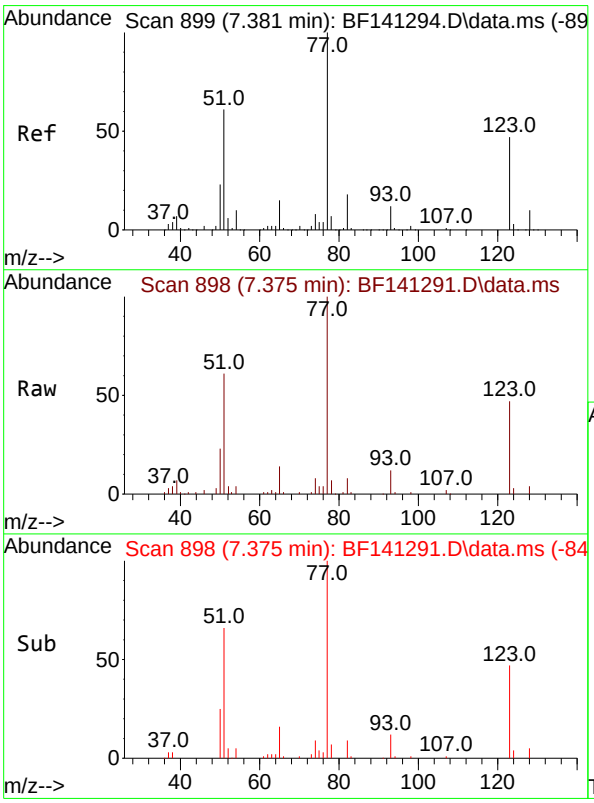
#23
Nitrobenzene-d5
Concen: 10.719 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 107680

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	57.4	47.1	70.7

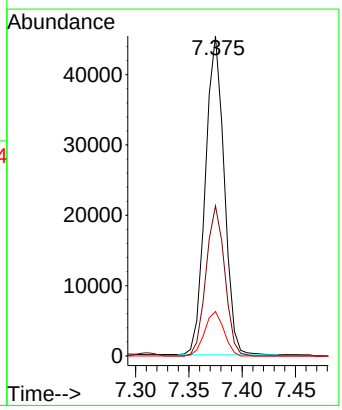


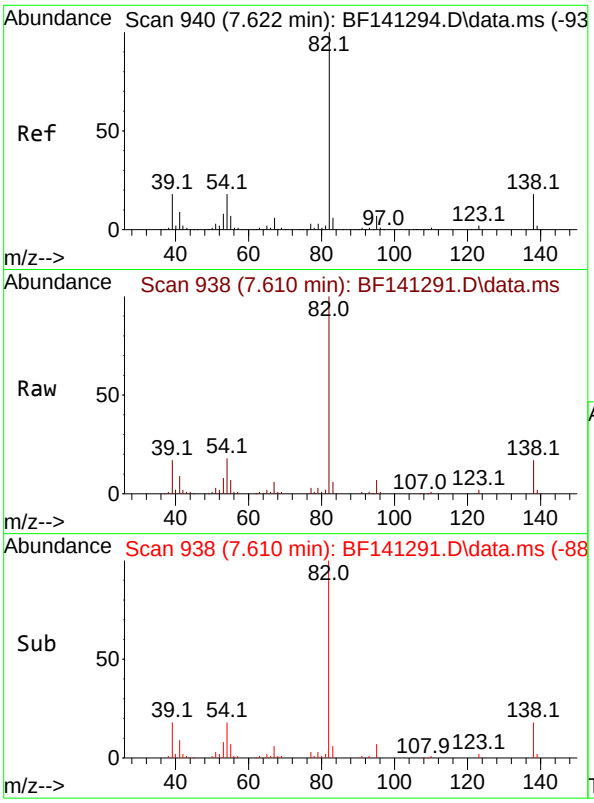


#24
Nitrobenzene
Concen: 5.337 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 55610

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	13.9	11.8	17.6



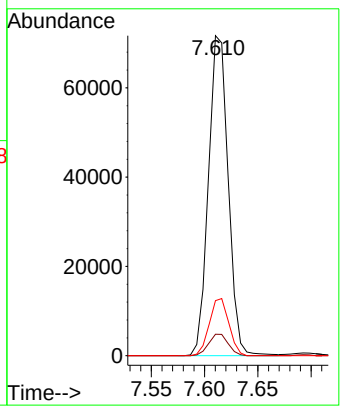


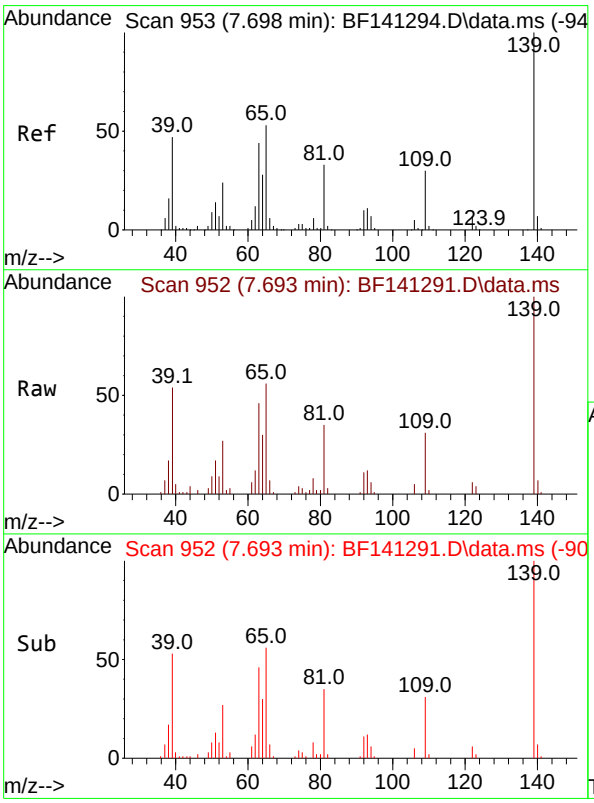
#25
Isophorone
Concen: 5.346 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 92818

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.8	8.6
138	17.2	14.7	22.1

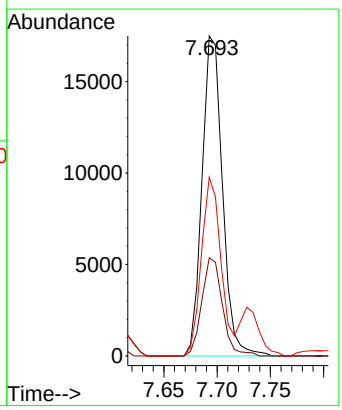


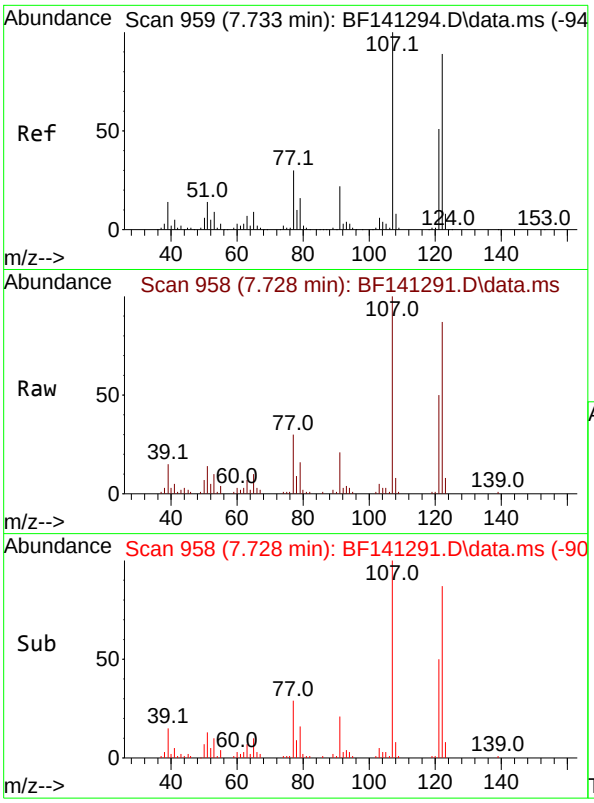


#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:139 Resp: 23372

Ion	Ratio	Lower	Upper
139	100		
109	30.7	23.8	35.6
65	55.8	42.2	63.4



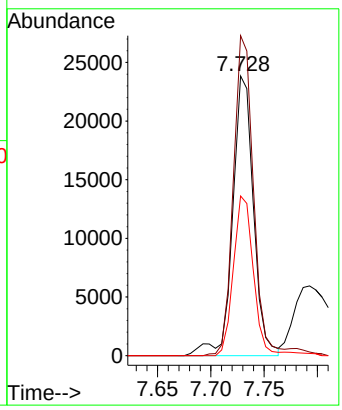


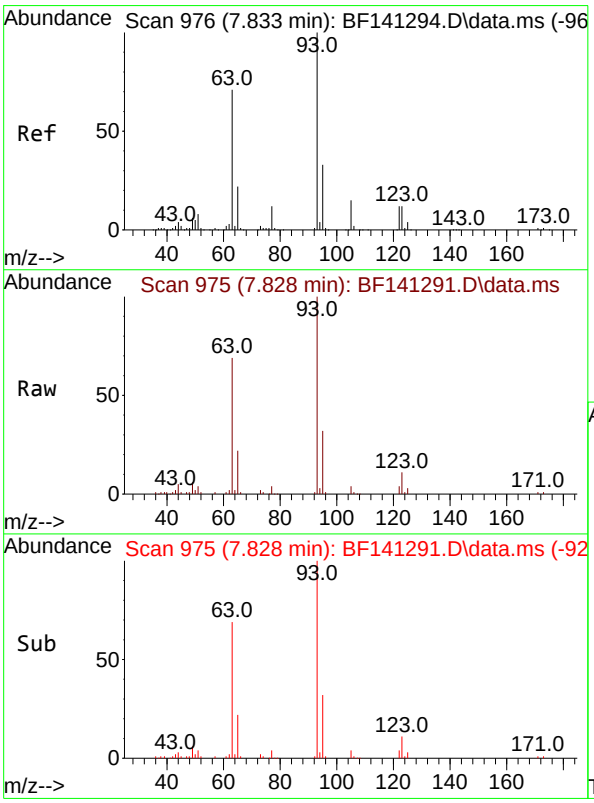
#27
2,4-Dimethylphenol
Concen: 5.205 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 32462

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.9	134.9
121	57.1	46.1	69.1

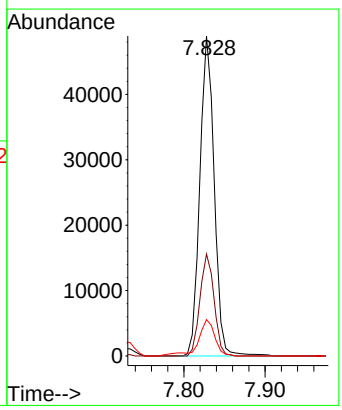


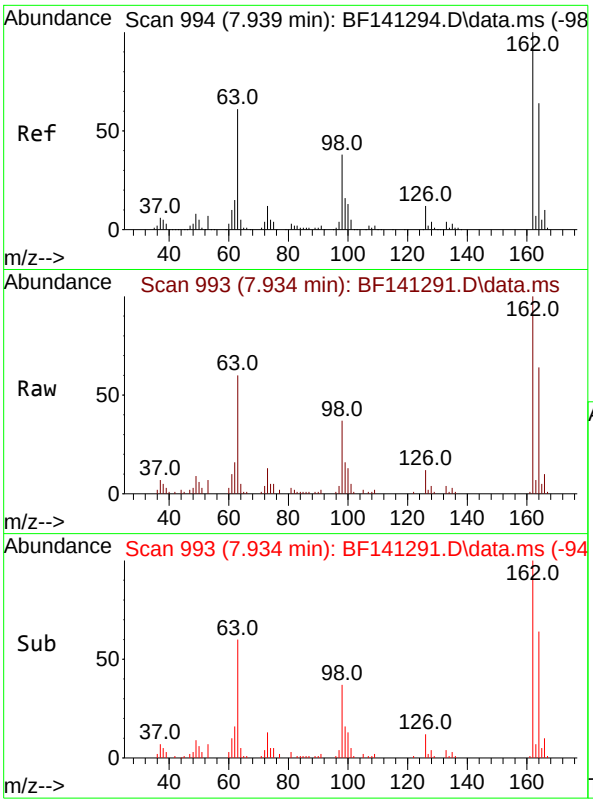


#28
bis(2-Chloroethoxy)methane
Concen: 5.449 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 93 Resp: 60286

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.2
123	11.3	10.2	15.4



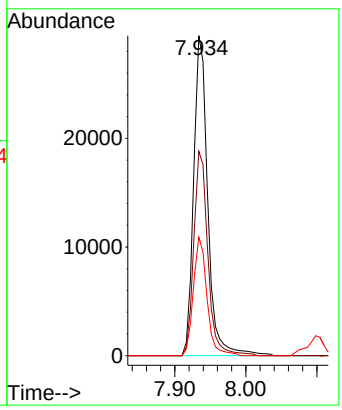


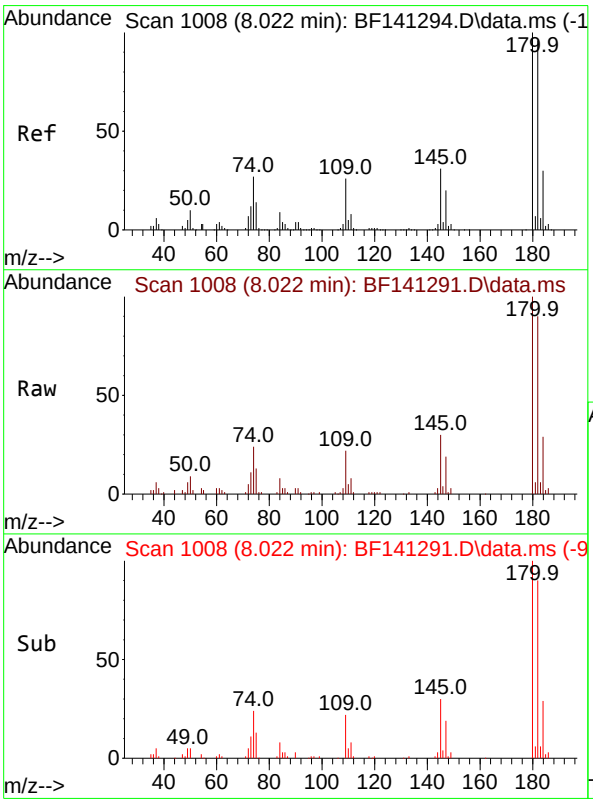
#29
2,4-Dichlorophenol
Concen: 5.360 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 40847

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	37.0	18.2	58.2

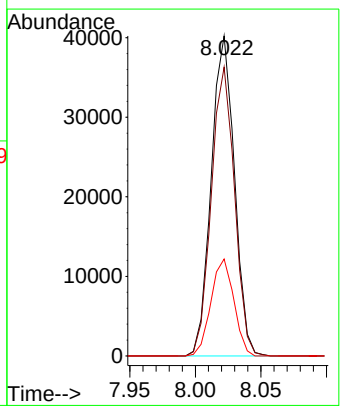


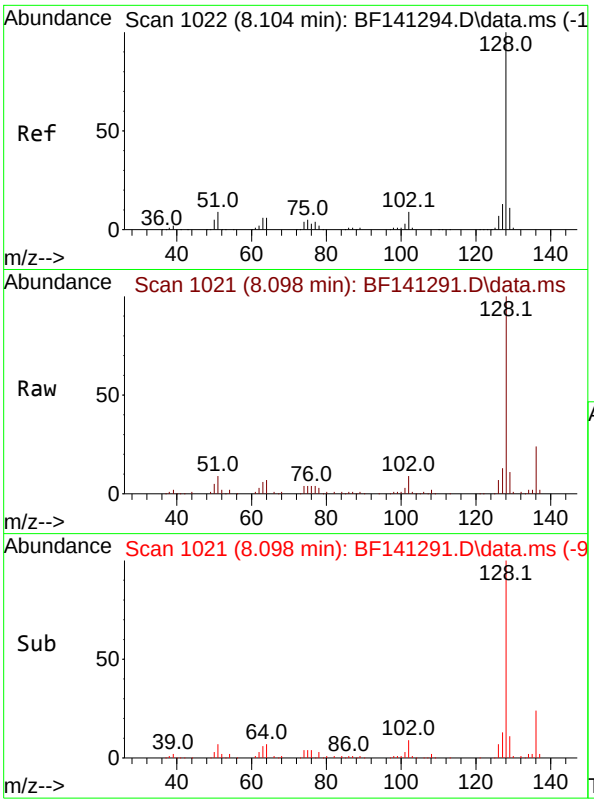


#30
1,2,4-Trichlorobenzene
Concen: 5.661 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:180 Resp: 49479

Ion	Ratio	Lower	Upper
180	100		
182	90.2	76.4	114.6
145	30.3	24.9	37.3



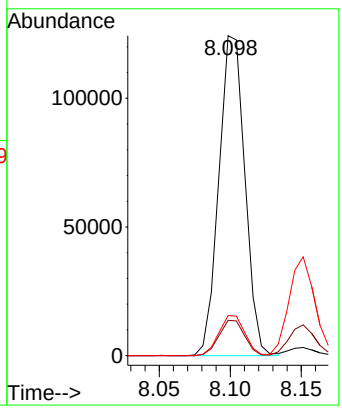


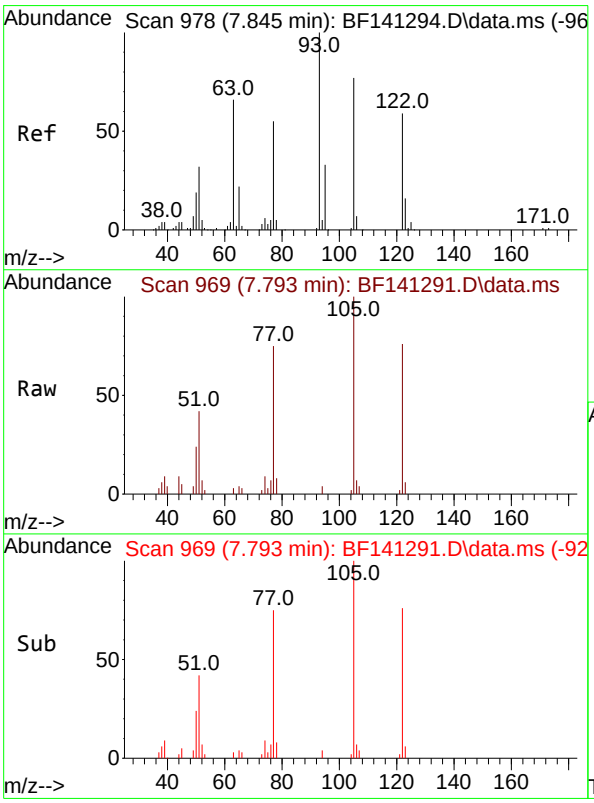
#31
Naphthalene
Concen: 5.672 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 158560

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	12.6	10.6	15.8

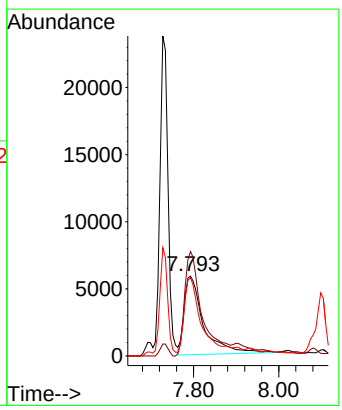


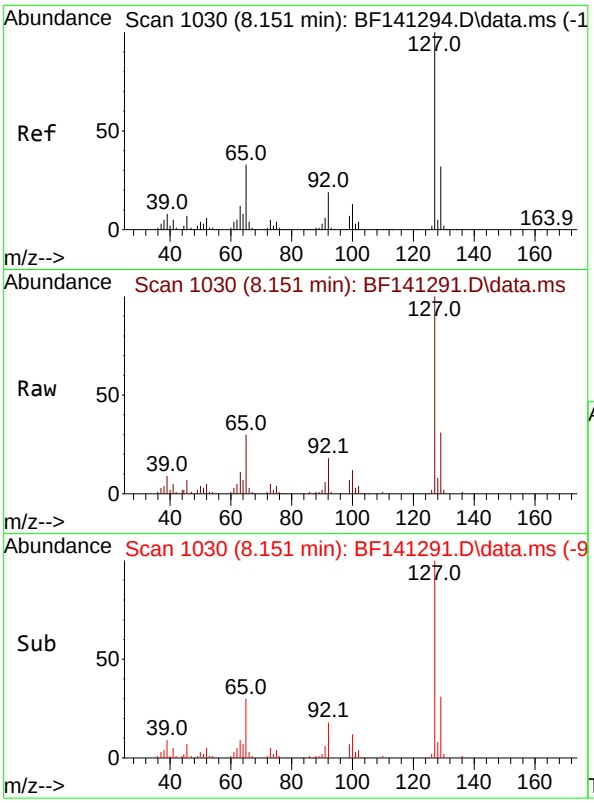


#32
Benzoic acid
Concen: 3.281 ng
RT: 7.793 min Scan# 969
Delta R.T. -0.053 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:122 Resp: 18585

Ion	Ratio	Lower	Upper
122	100		
105	130.7	103.4	143.4
77	98.2	70.9	110.9



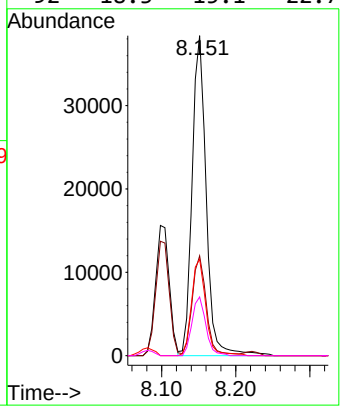


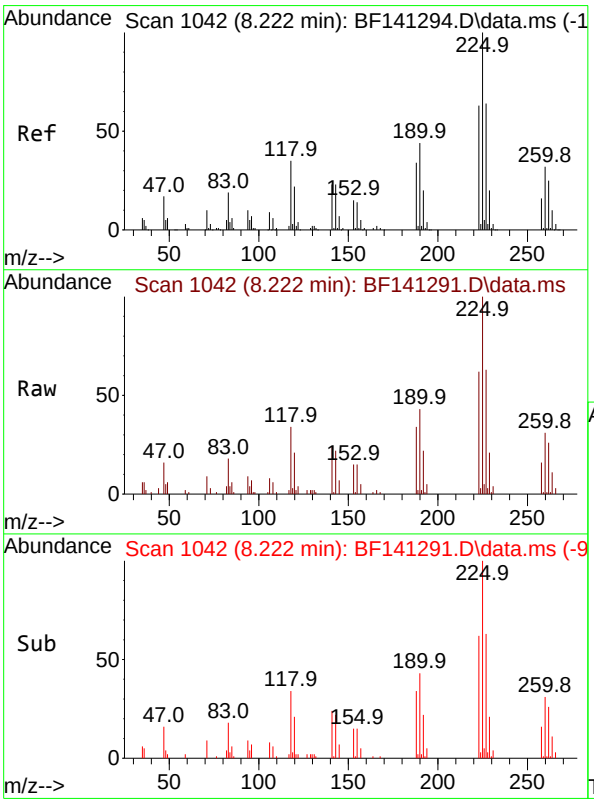
#33
4-Chloroaniline
Concen: 5.405 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 50760

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.7	38.5
65	30.1	26.4	39.6
92	18.3	15.1	22.7

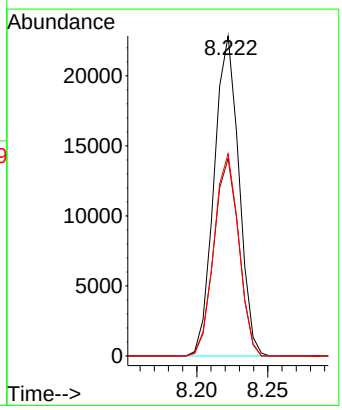


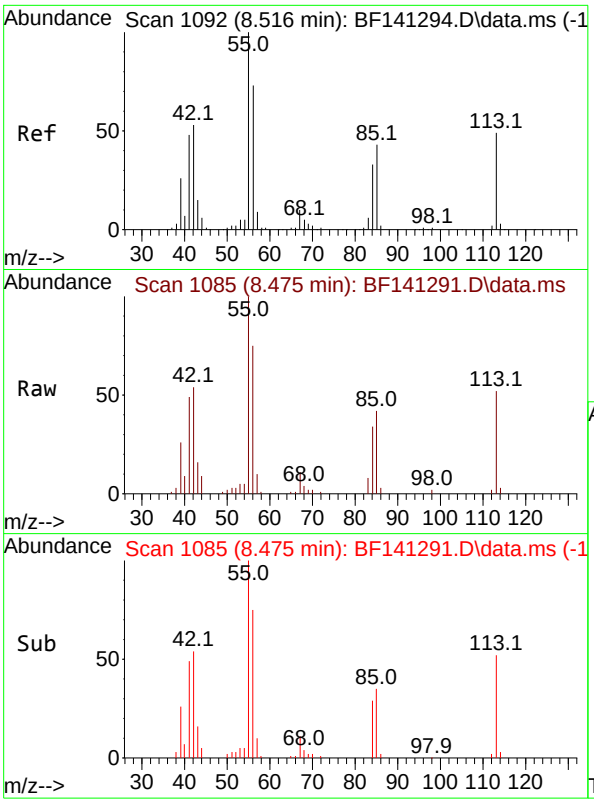


#34
Hexachlorobutadiene
Concen: 5.419 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:225 Resp: 27720

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.4	75.6
227	63.2	51.3	76.9



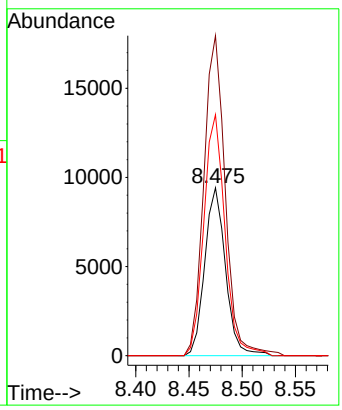


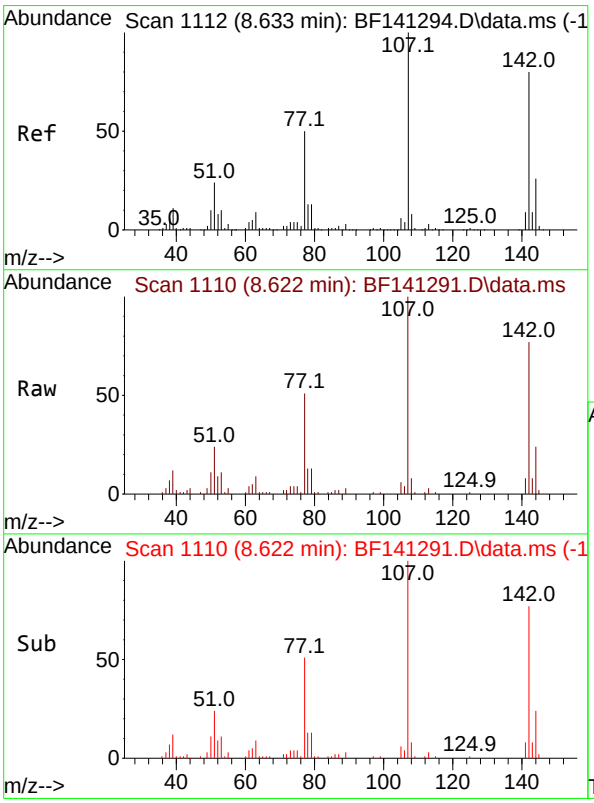
#35
Caprolactam
Concen: 5.204 ng
RT: 8.475 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 12827

Ion	Ratio	Lower	Upper
113	100		
55	190.7	182.9	222.9
56	143.6	127.9	167.9

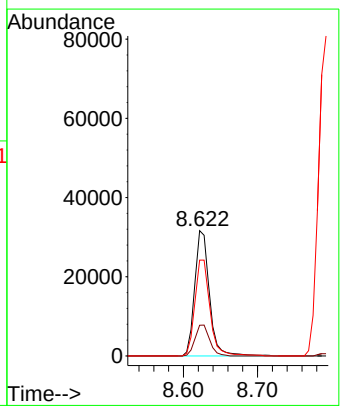


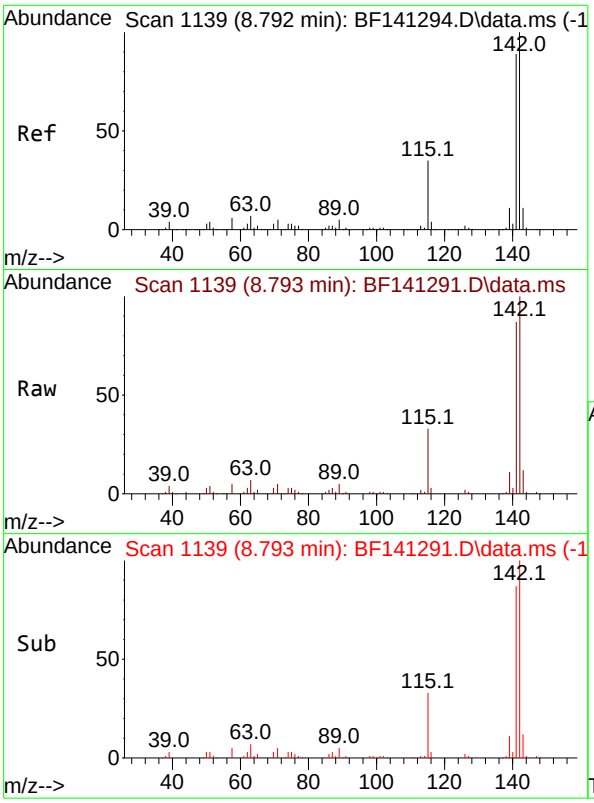


#36
4-Chloro-3-methylphenol
Concen: 5.334 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:107 Resp: 43627

Ion	Ratio	Lower	Upper
107	100		
144	24.5	20.7	31.1
142	76.6	63.8	95.8



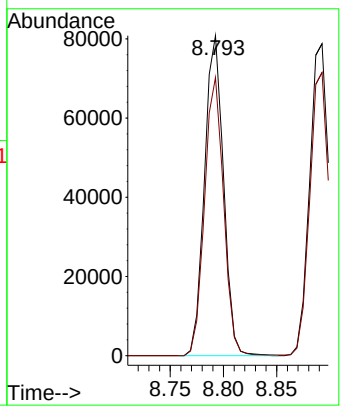


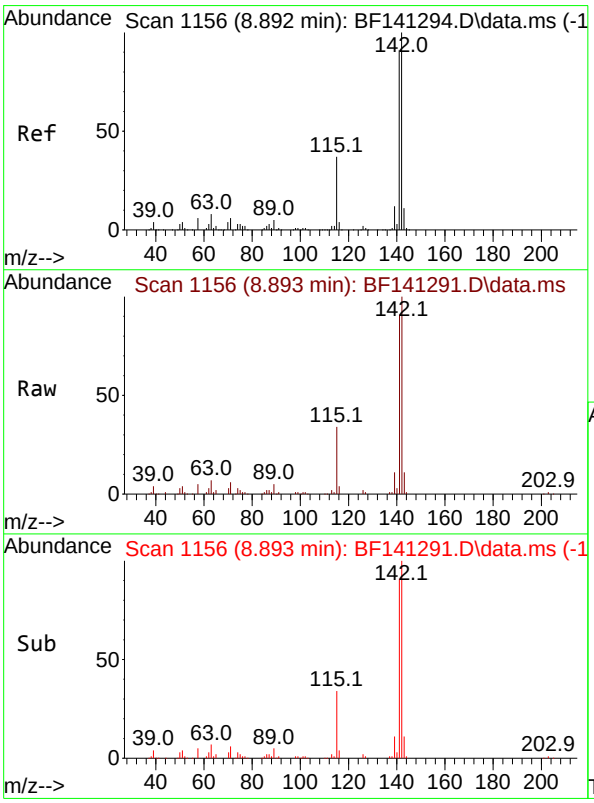
#37
2-Methylnaphthalene
Concen: 5.634 ng
RT: 8.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 100305

Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9

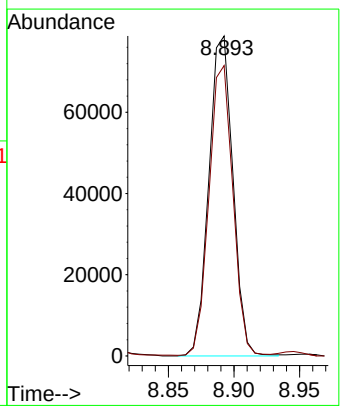


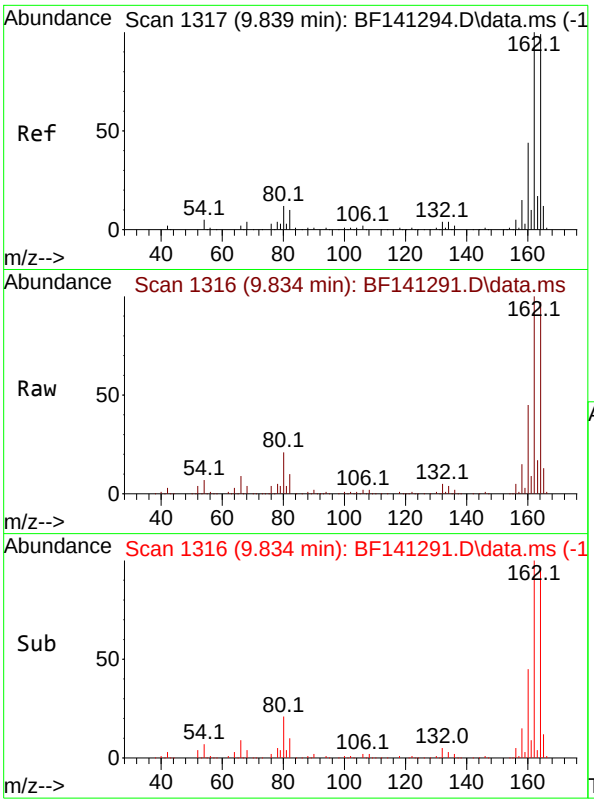


#38
1-Methylnaphthalene
Concen: 5.767 ng
RT: 8.893 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:142 Resp: 100569

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8



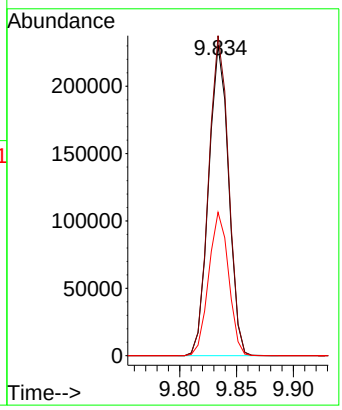


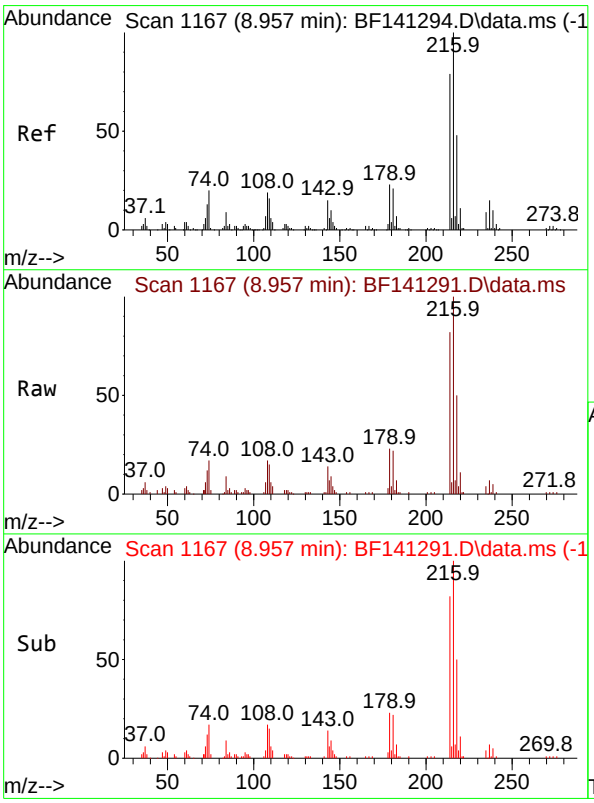
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 281034

Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.6	121.0
160	46.2	35.8	53.6

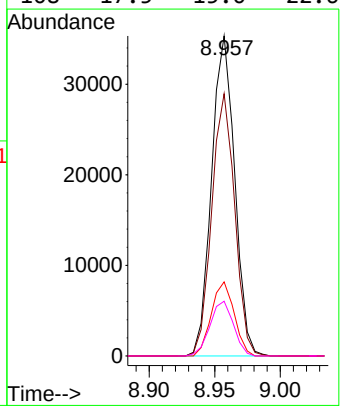


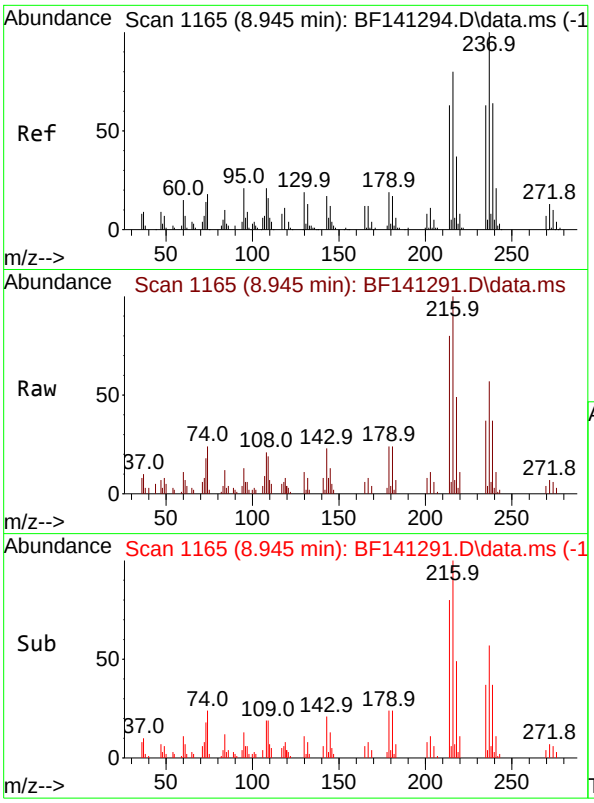


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.410 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:216 Resp: 43228

Ion	Ratio	Lower	Upper
216	100		
214	81.4	63.2	94.8
179	22.9	17.8	26.8
108	17.5	15.0	22.6



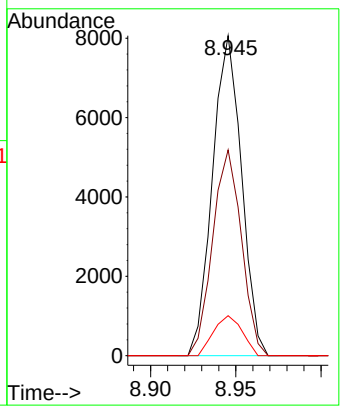


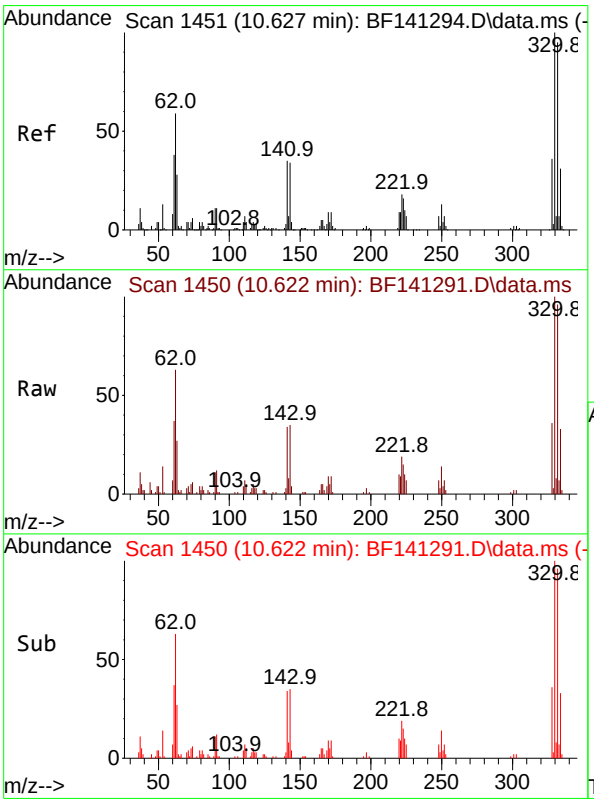
#41
Hexachlorocyclopentadiene
Concen: 3.985 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 9555

Ion	Ratio	Lower	Upper
237	100		
235	64.3	42.9	82.9
272	12.5	0.0	32.8

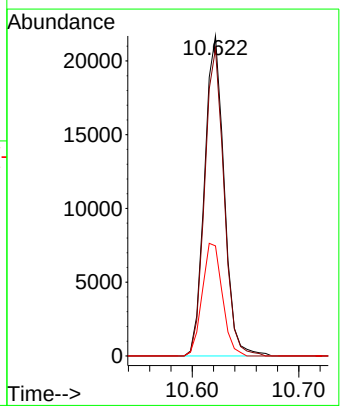


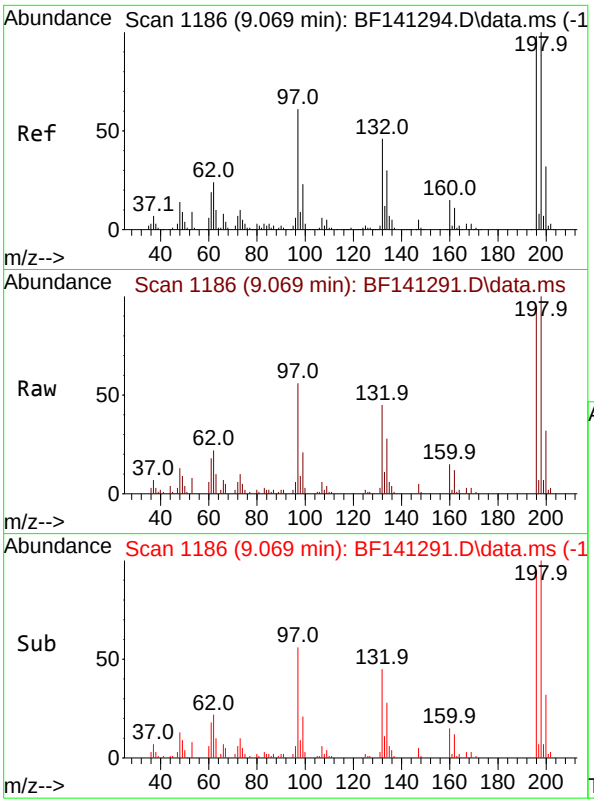


#42
2,4,6-Tribromophenol
Concen: 10.855 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:330 Resp: 27799

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.1	114.1
141	36.2	28.8	43.2



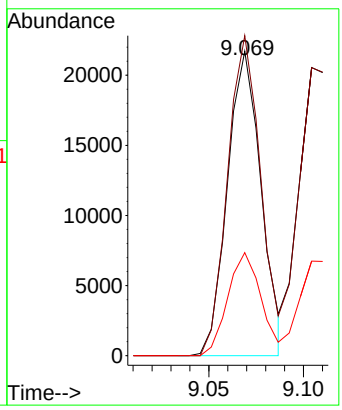


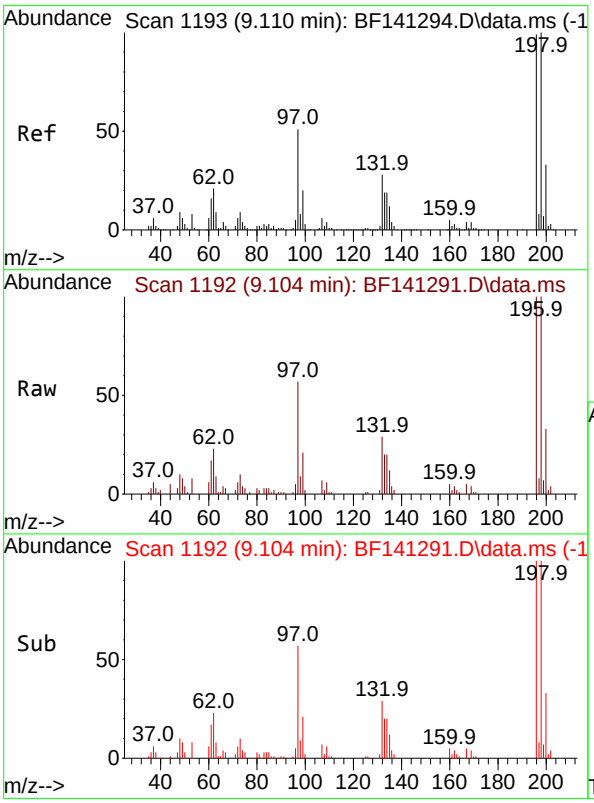
#43
2,4,6-Trichlorophenol
Concen: 5.136 ng
RT: 9.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 26790

Ion	Ratio	Lower	Upper
196	100		
198	105.1	81.8	122.6
200	33.8	26.3	39.5

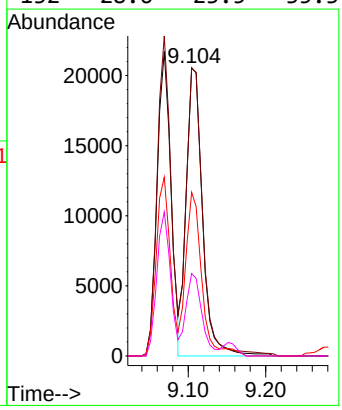


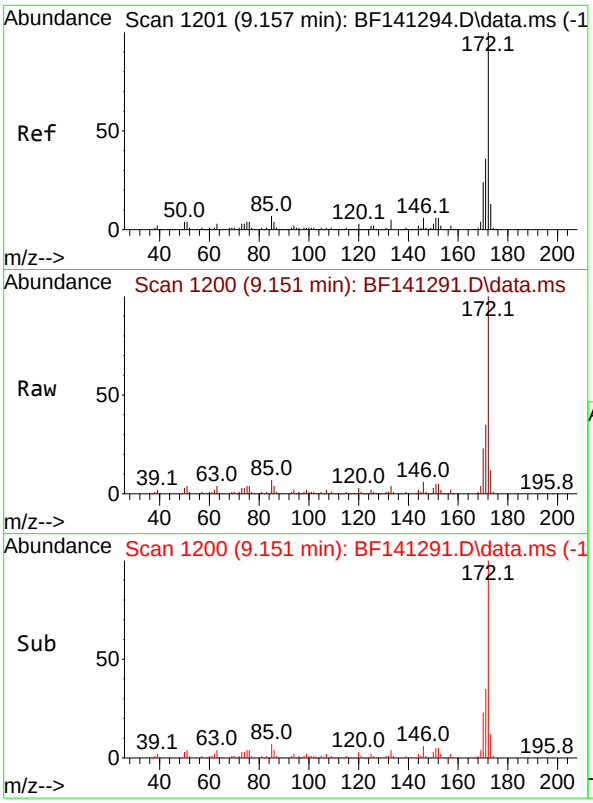


#44
2,4,5-Trichlorophenol
Concen: 5.309 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:196 Resp: 30127

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.5	120.7
97	56.8	42.8	64.2
132	28.6	23.5	35.3



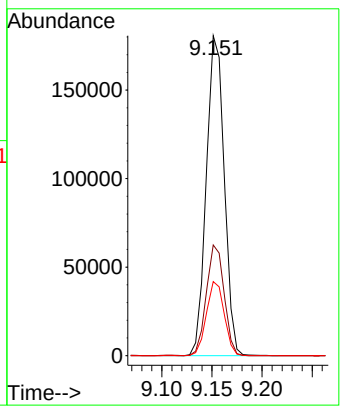


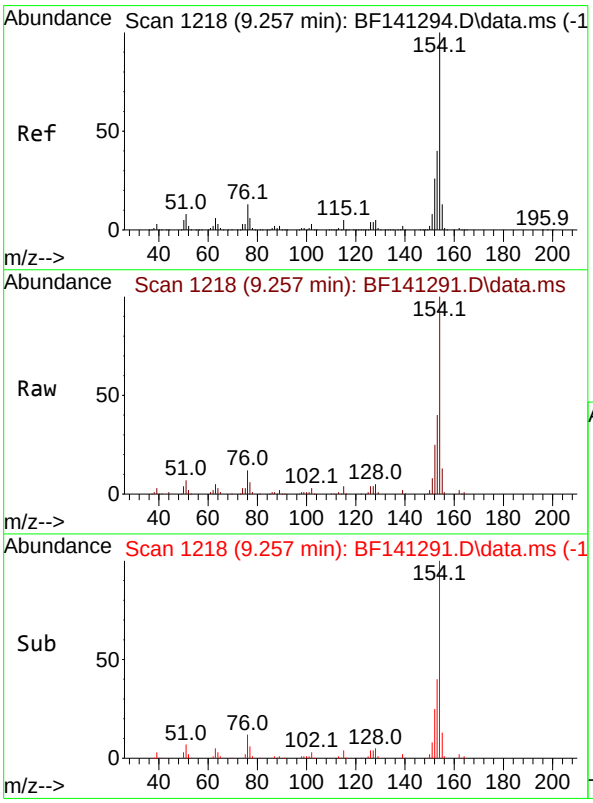
#45
2-Fluorobiphenyl
Concen: 12.320 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 224446

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	23.1	19.0	28.6

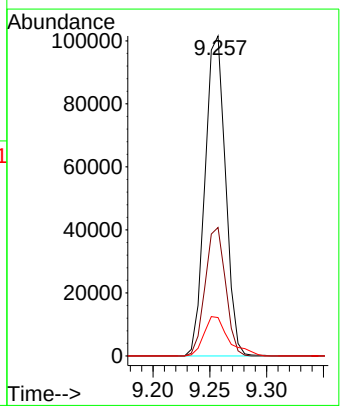


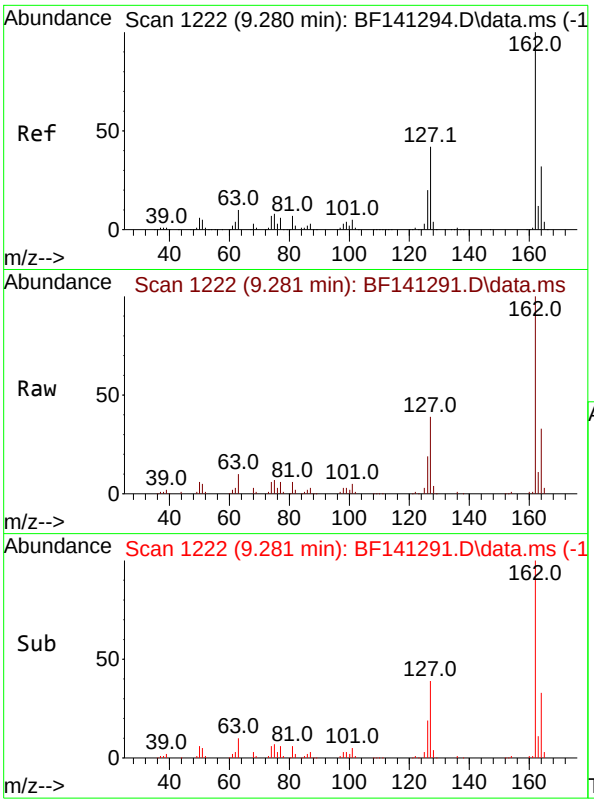


#46
1,1'-Biphenyl
Concen: 5.801 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 127187

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.0	0.0	32.8



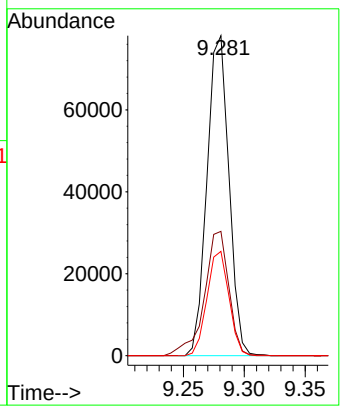


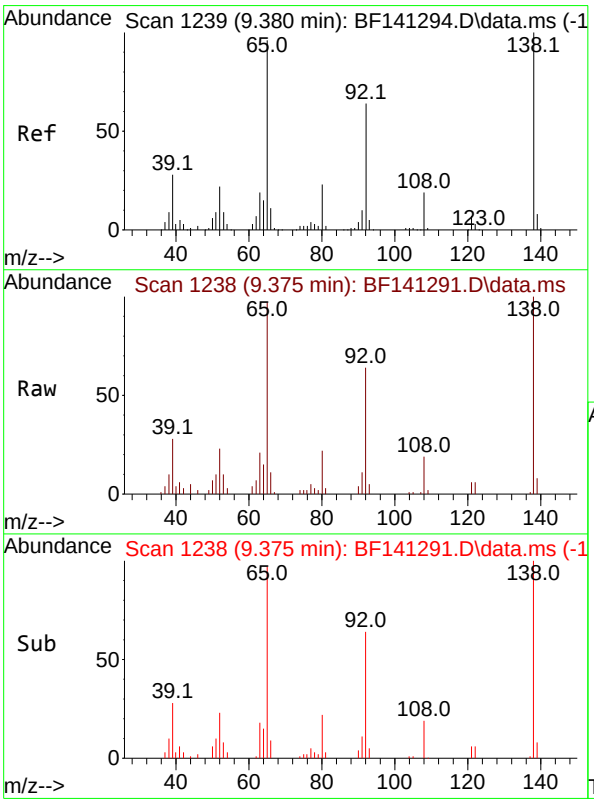
#47
2-Chloronaphthalene
Concen: 5.760 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 98081

Ion	Ratio	Lower	Upper
162	100		
127	38.8	33.7	50.5
164	32.6	25.9	38.9

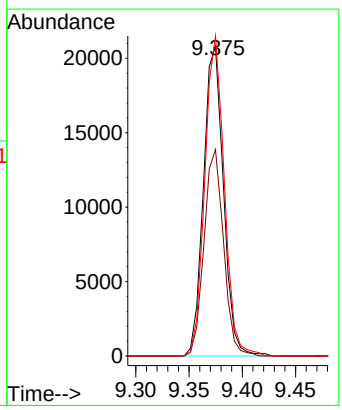


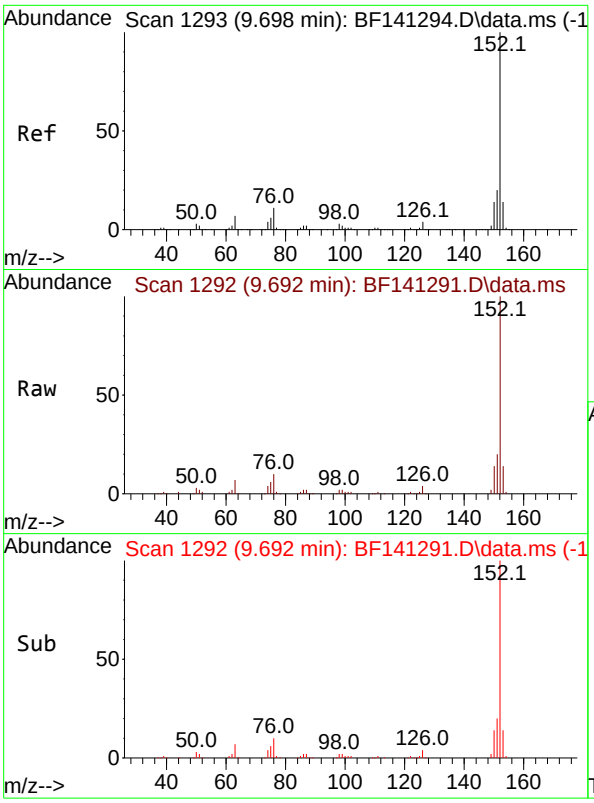


#48
2-Nitroaniline
Concen: 5.056 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 65 Resp: 27154

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	103.3	83.6	125.4



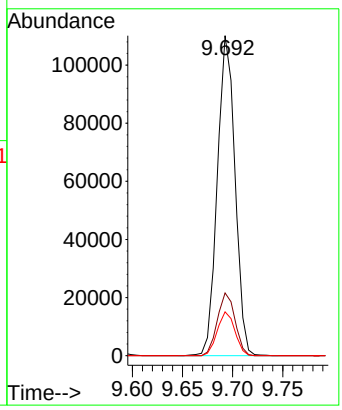


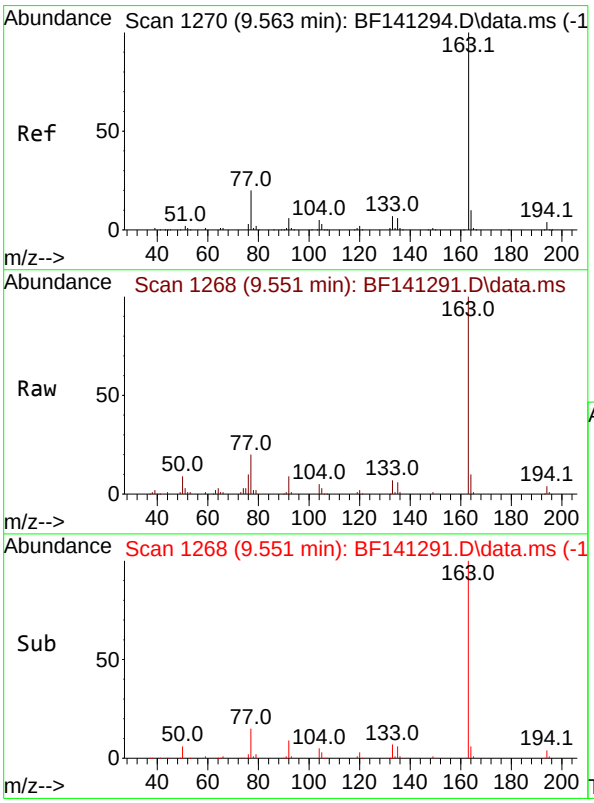
#49
Acenaphthylene
Concen: 5.643 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 134958

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.7	11.0	16.6

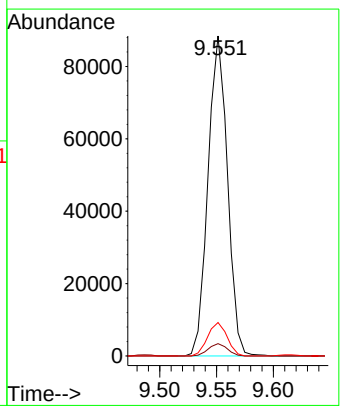


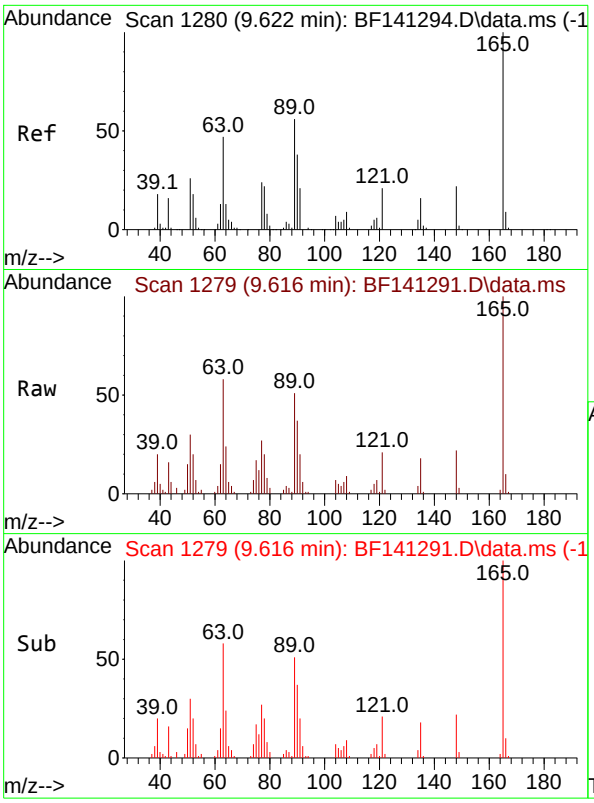


#50
Dimethylphthalate
Concen: 5.584 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:163 Resp: 105240

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.0	12.0



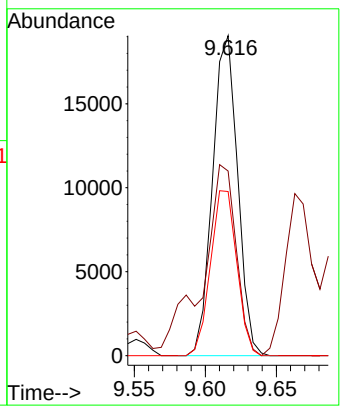


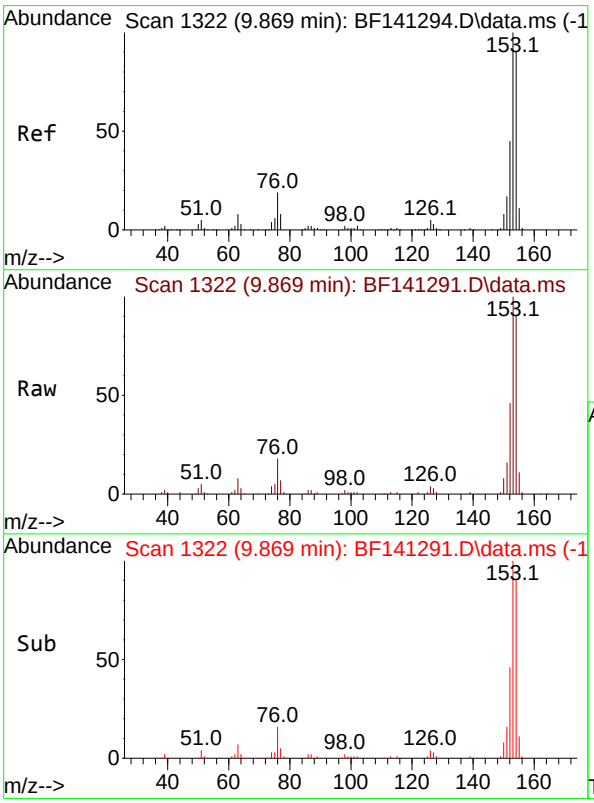
#51
2,6-Dinitrotoluene
Concen: 5.329 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 23372

Ion	Ratio	Lower	Upper
165	100		
63	57.7	48.1	72.1
89	51.3	44.9	67.3

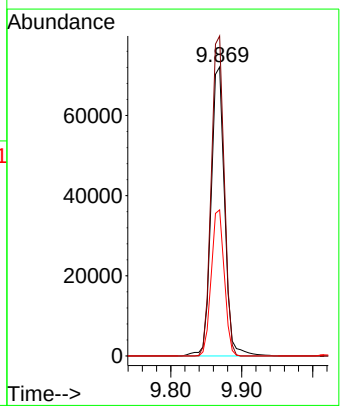


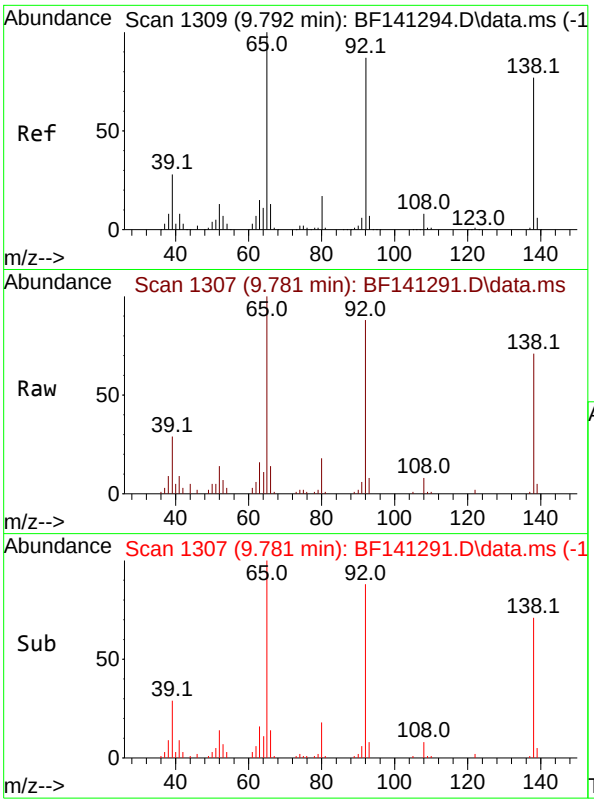


#52
Acenaphthene
Concen: 5.617 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:154 Resp: 95591

Ion	Ratio	Lower	Upper
154	100		
153	110.8	89.0	133.4
152	50.6	40.2	60.4



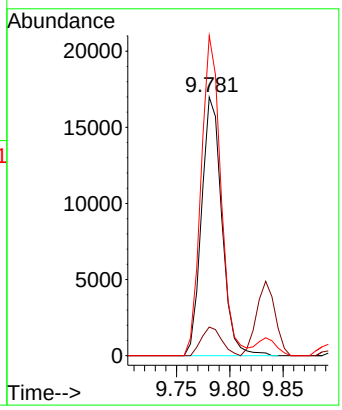


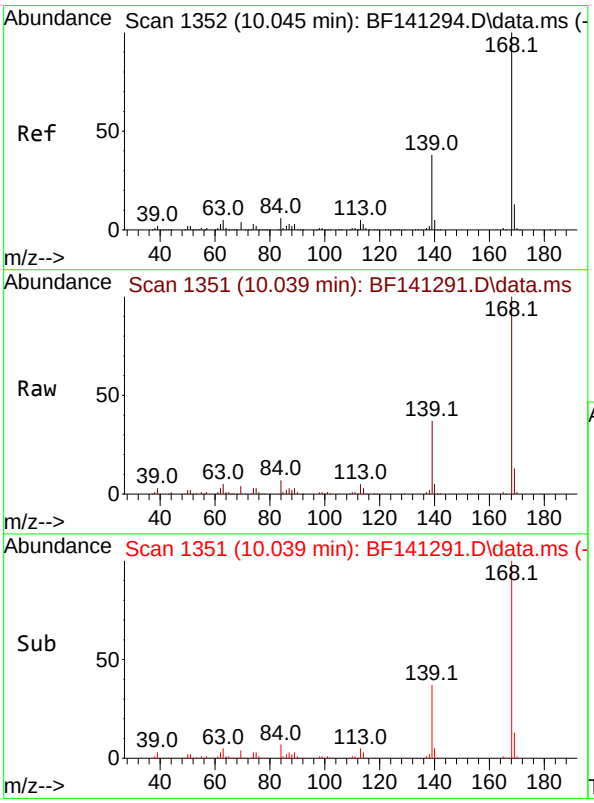
#53
3-Nitroaniline
Concen: 5.206 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 22582

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	123.7	91.0	136.6

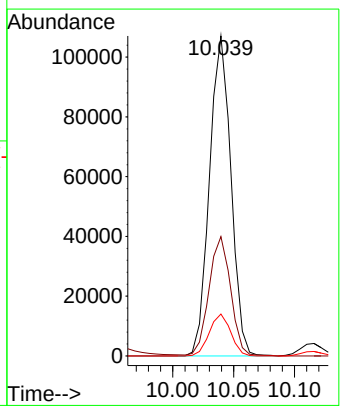


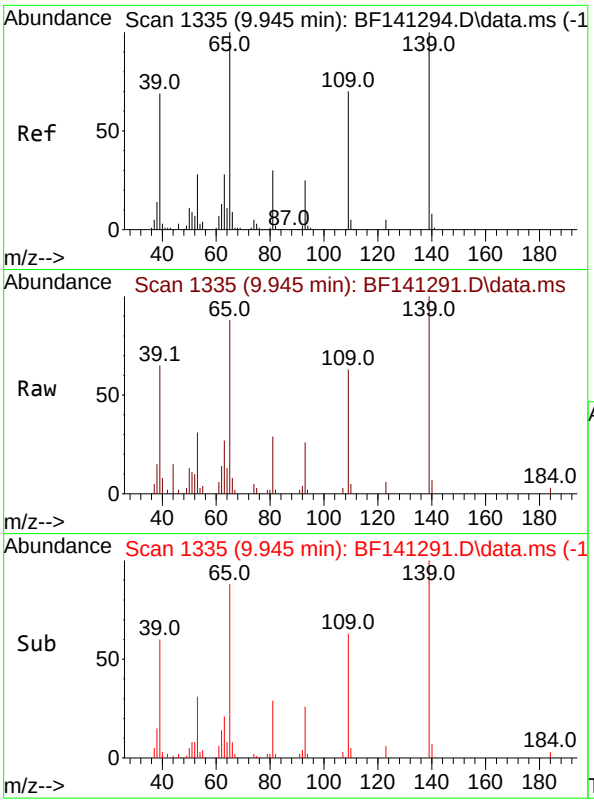


#55
Dibenzofuran
Concen: 5.769 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:168 Resp: 131288

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.6	46.0
169	13.1	10.8	16.2



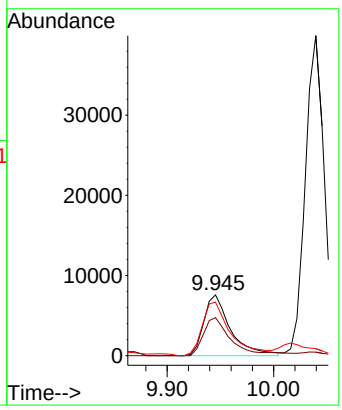


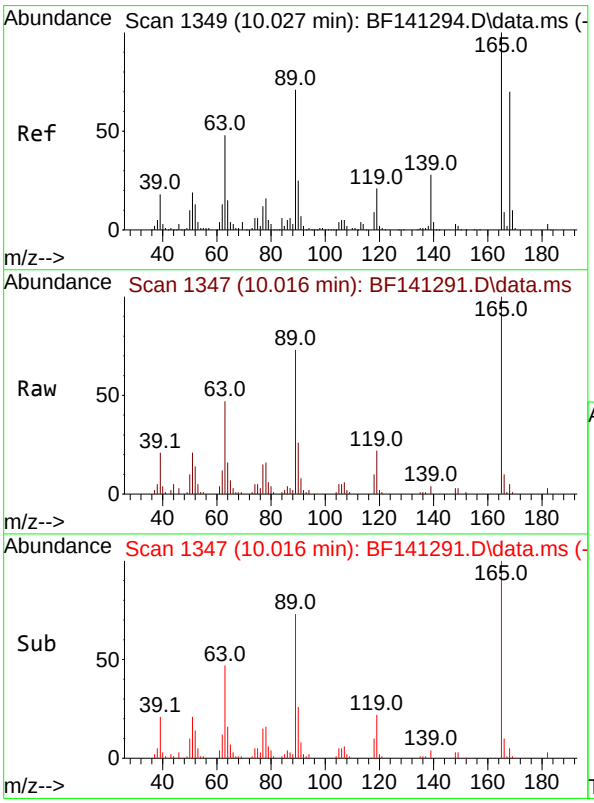
#56
4-Nitrophenol
Concen: 4.226 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 13160

Ion	Ratio	Lower	Upper
139	100		
109	62.7	50.2	90.2
65	88.2	80.6	120.6

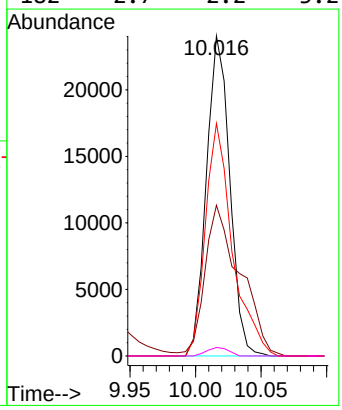


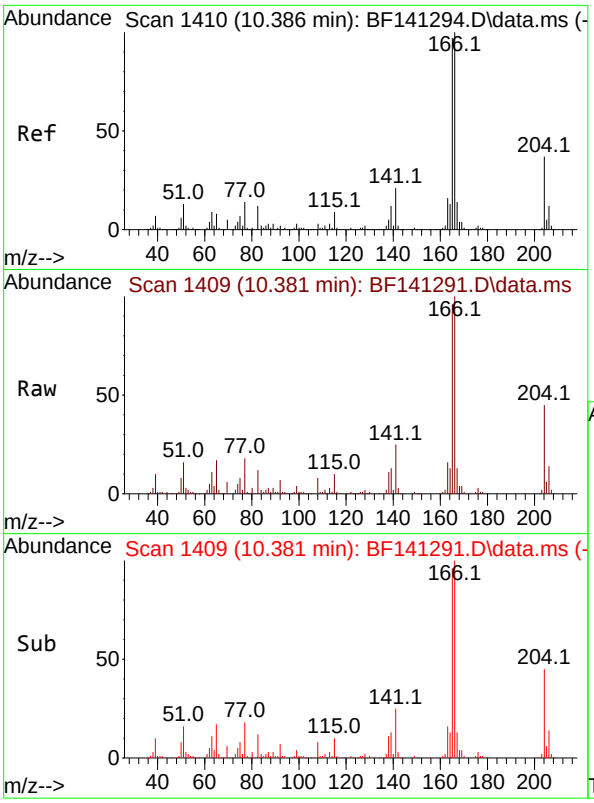


#57
2,4-Dinitrotoluene
Concen: 5.268 ng
RT: 10.016 min Scan# 1347
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:165 Resp: 29799

Ion	Ratio	Lower	Upper
165	100		
63	47.1	39.2	58.8
89	72.7	56.9	85.3
182	2.7	2.2	3.2



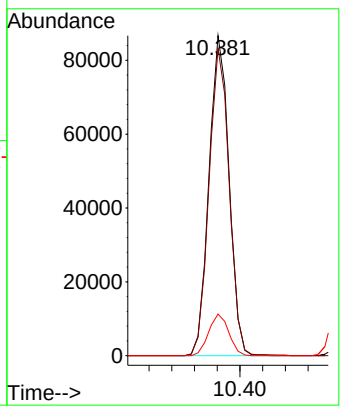


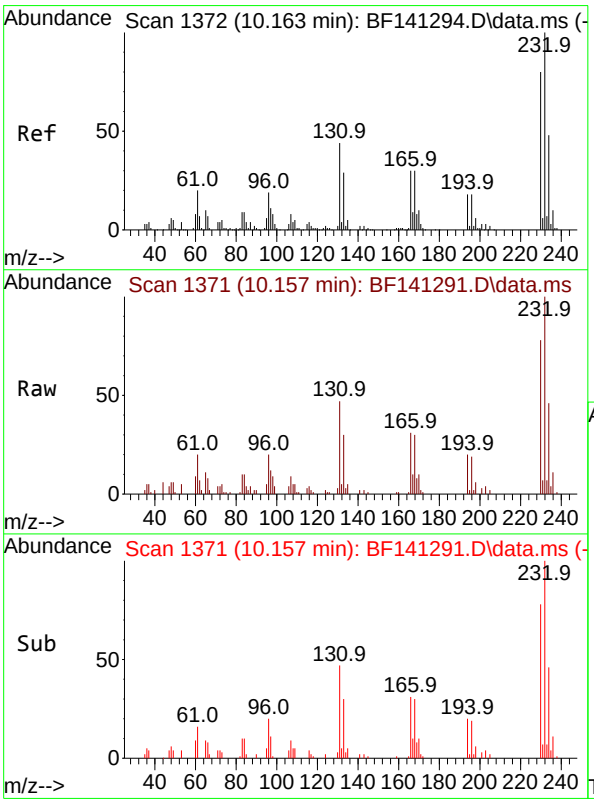
#58
Fluorene
Concen: 6.002 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 106198

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.5	116.3
167	13.0	10.9	16.3

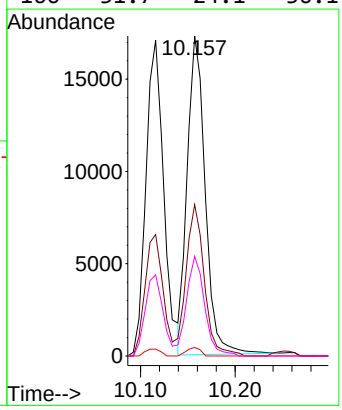


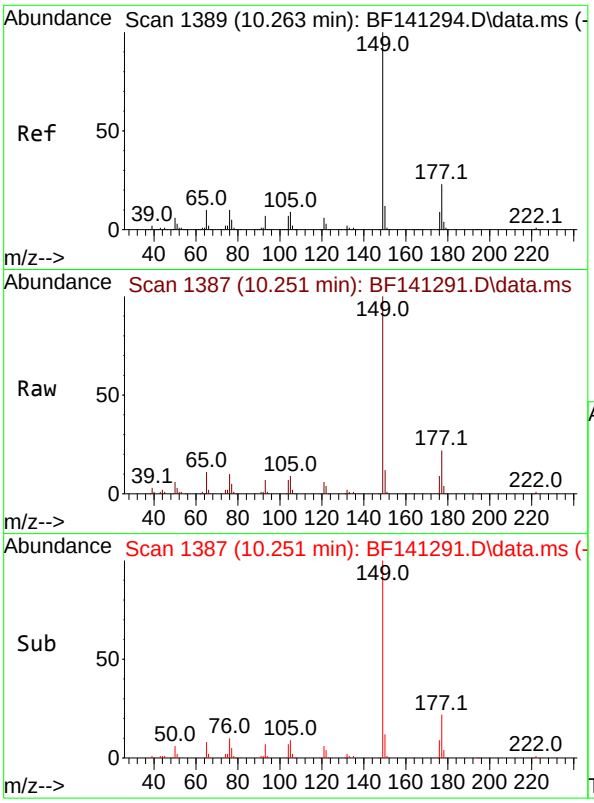


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.090 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:232 Resp: 22818

Ion	Ratio	Lower	Upper
232	100		
131	48.3	36.4	54.6
130	2.1	1.9	2.9
166	31.7	24.1	36.1



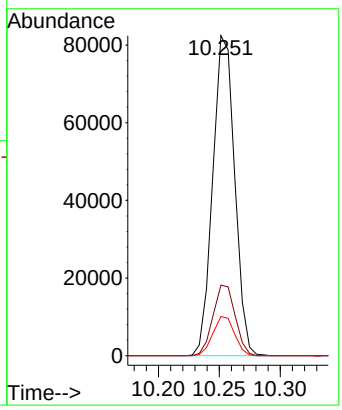


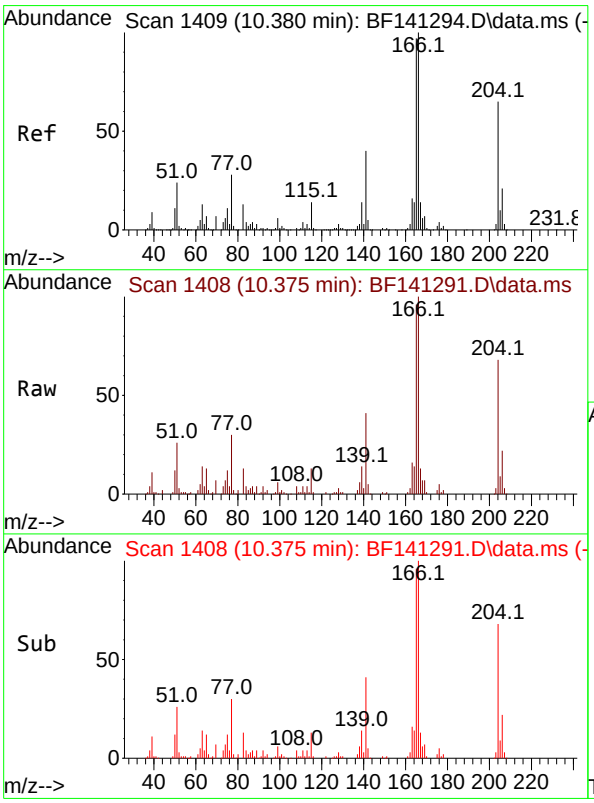
#60
Diethylphthalate
Concen: 5.660 ng
RT: 10.251 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 103307

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.3	10.0	15.0

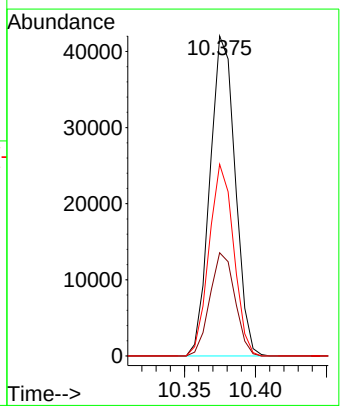


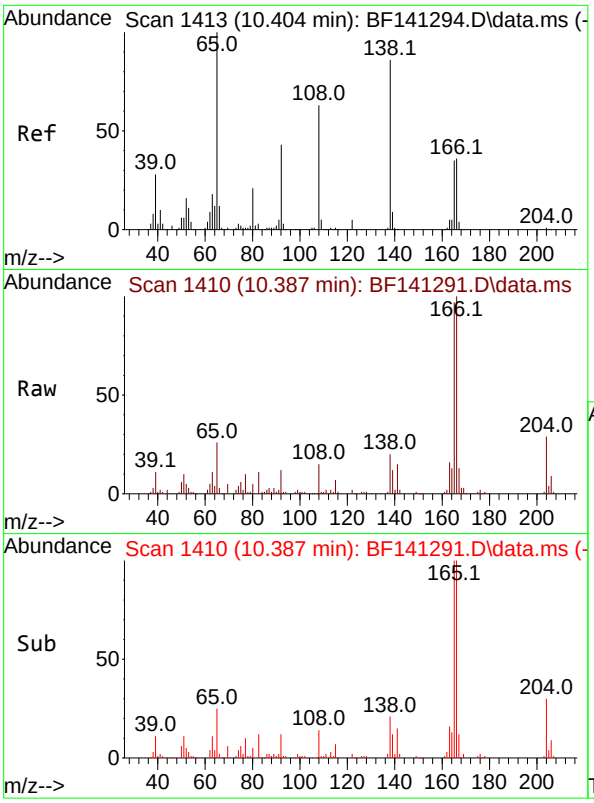


#61
4-Chlorophenyl-phenylether
Concen: 6.007 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:204 Resp: 51875

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.9	38.9
141	59.9	49.5	74.3



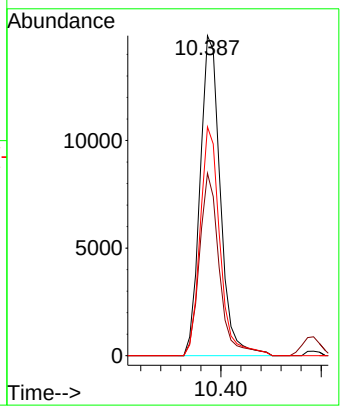


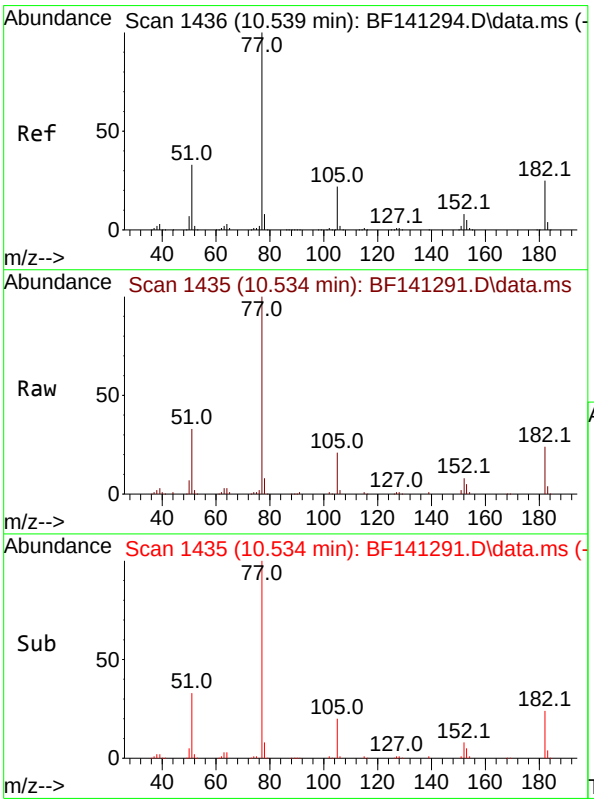
#62
4-Nitroaniline
Concen: 5.008 ng
RT: 10.387 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 20870

Ion	Ratio	Lower	Upper
138	100		
92	57.0	30.1	70.1
108	71.5	53.1	93.1

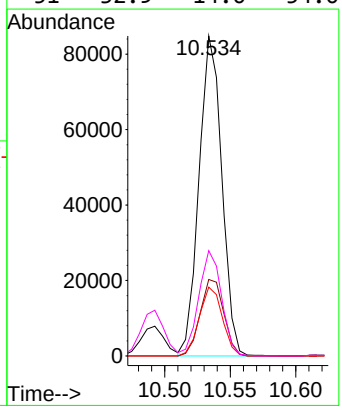


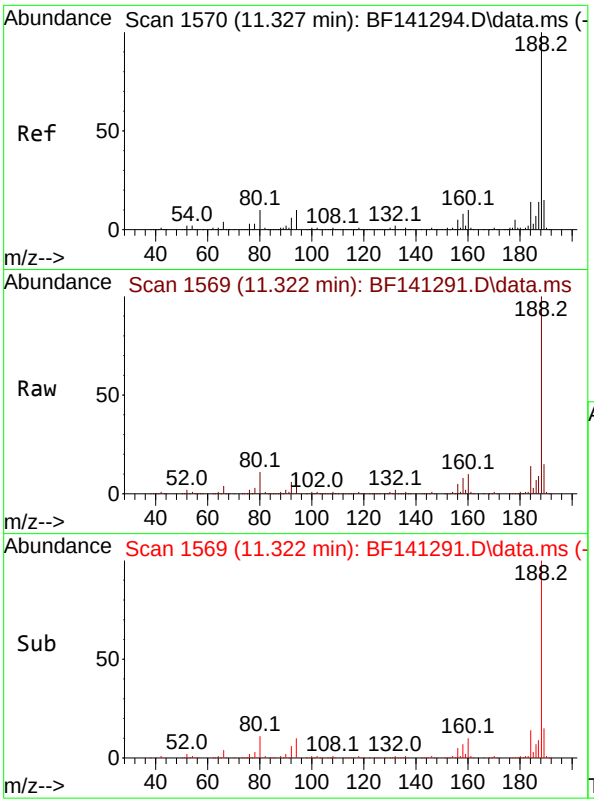


#63
Azobenzene
Concen: 5.623 ng
RT: 10.534 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion: 77 Resp: 102878

Ion	Ratio	Lower	Upper
77	100		
182	23.9	5.1	45.1
105	21.5	1.8	41.8
51	32.9	14.0	54.0



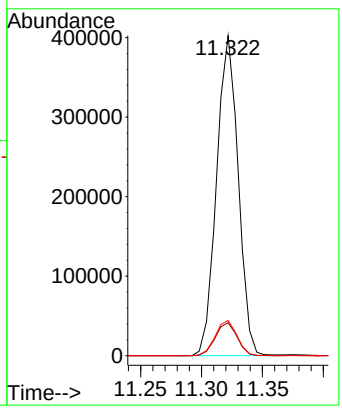


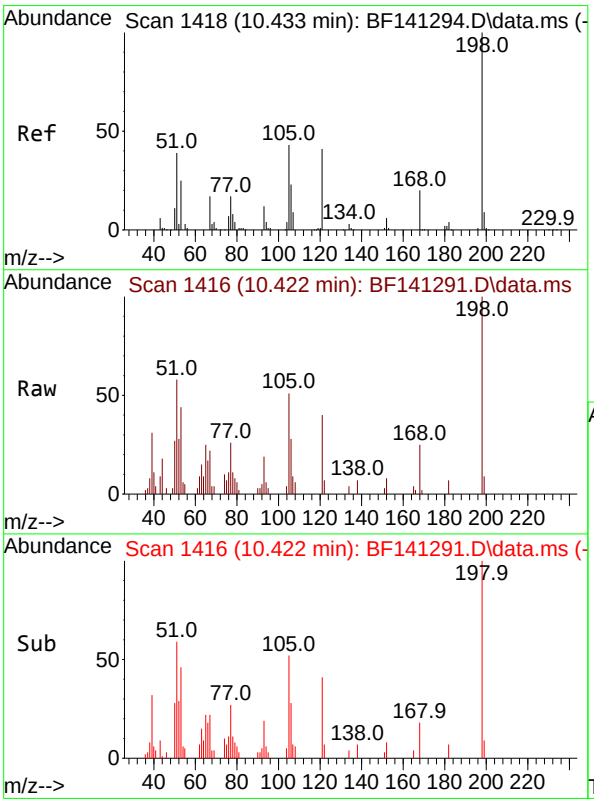
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 497368

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	11.0	8.2	12.4

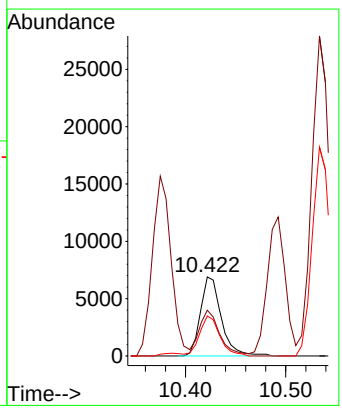


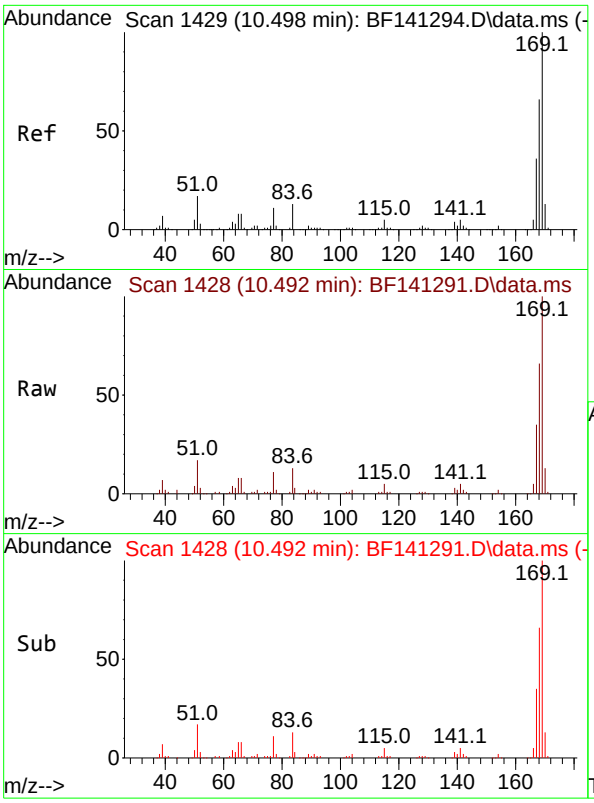


#65
4,6-Dinitro-2-methylphenol
Concen: 3.353 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:198 Resp: 9960

Ion	Ratio	Lower	Upper
198	100		
51	57.8	33.4	73.4
105	50.6	24.4	64.4



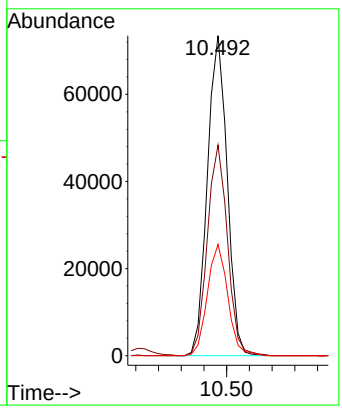


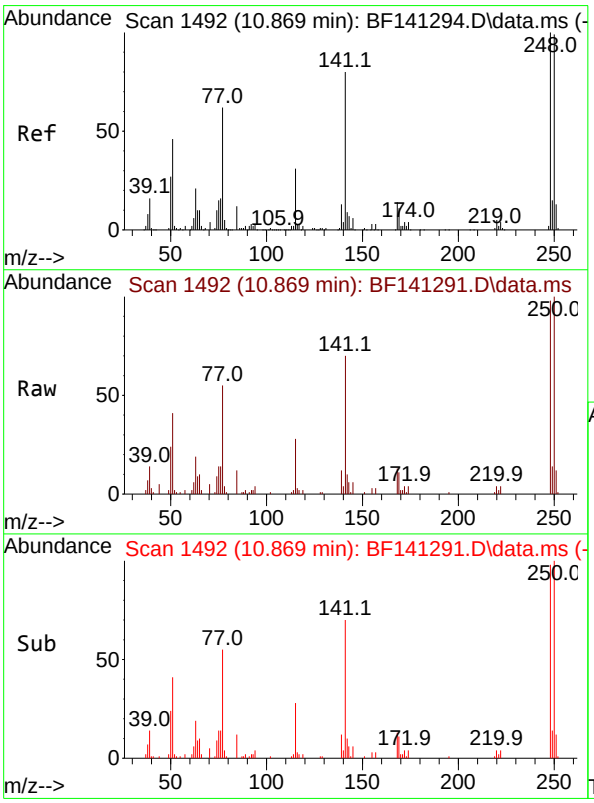
#66
n-Nitrosodiphenylamine
Concen: 5.523 ng
RT: 10.492 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 89060

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.4
167	34.7	28.8	43.2

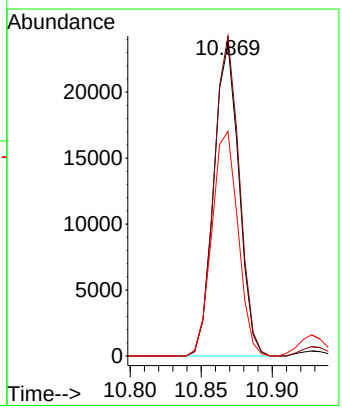


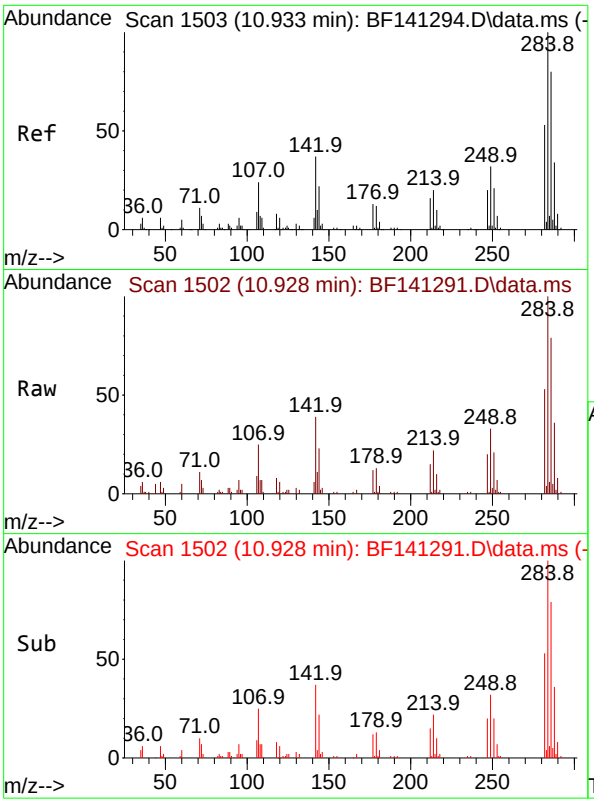


#67
4-Bromophenyl-phenylether
Concen: 5.245 ng
RT: 10.869 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:248 Resp: 29160

Ion	Ratio	Lower	Upper
248	100		
250	102.5	79.0	118.4
141	71.9	63.7	95.5



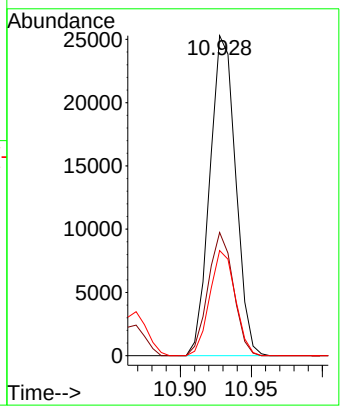


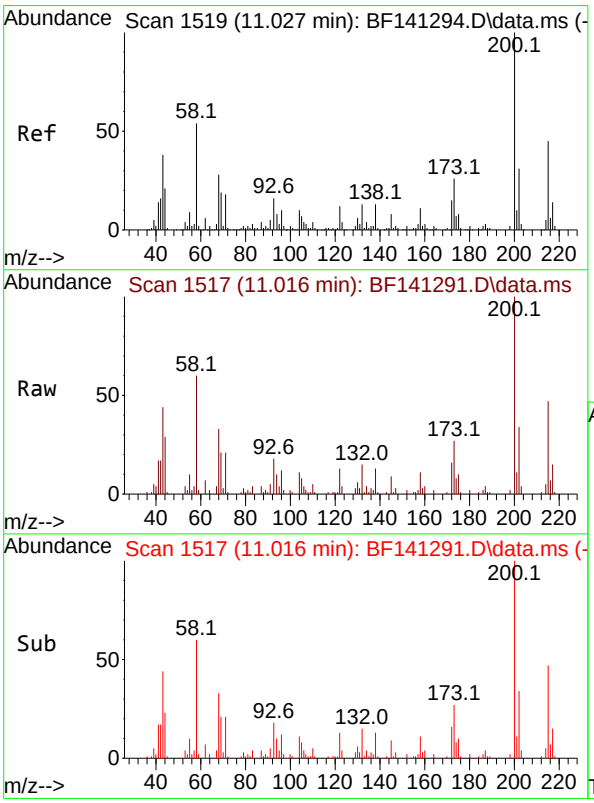
#68
Hexachlorobenzene
Concen: 5.424 ng
RT: 10.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 31990

Ion	Ratio	Lower	Upper
284	100		
142	38.5	29.5	44.3
249	32.8	25.4	38.2

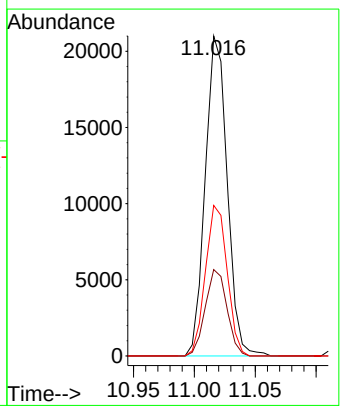


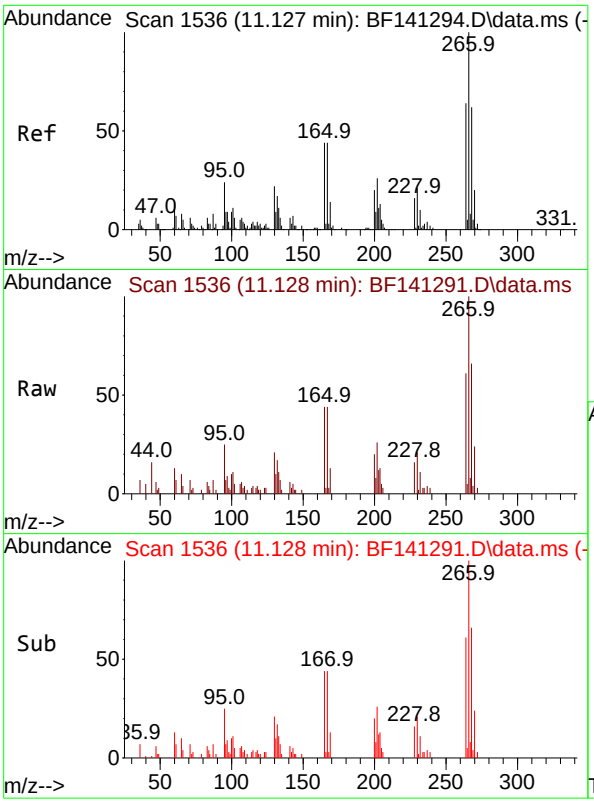


#69
Atrazine
Concen: 4.855 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:200 Resp: 26258

Ion	Ratio	Lower	Upper
200	100		
173	27.0	5.9	45.9
215	47.0	25.2	65.2



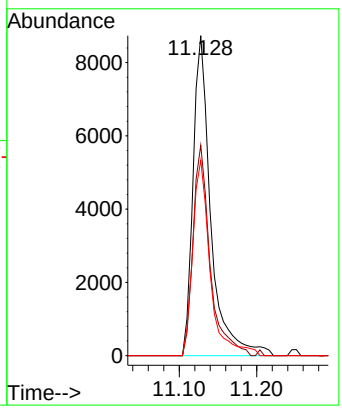


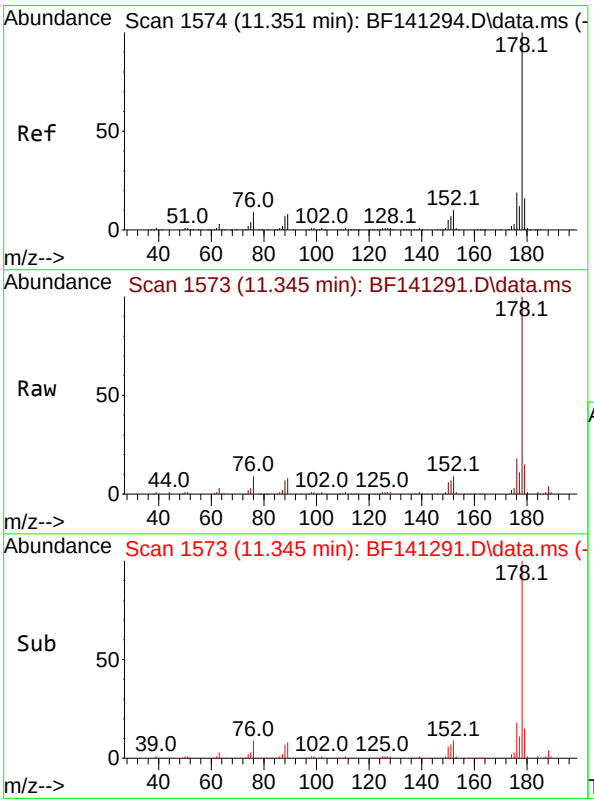
#70
Pentachlorophenol
Concen: 4.027 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 13924

Ion	Ratio	Lower	Upper
266	100		
268	65.7	49.9	74.9
264	61.1	51.0	76.4

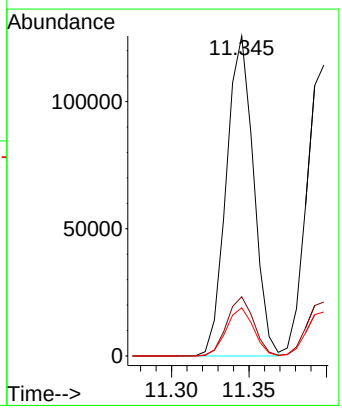


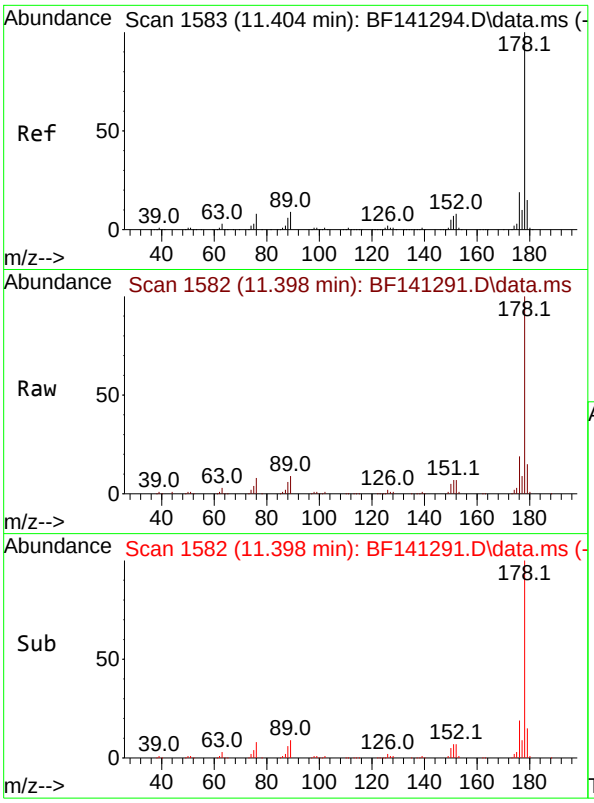


#71
Phenanthrene
Concen: 5.738 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:178 Resp: 153320

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.0	12.5	18.7



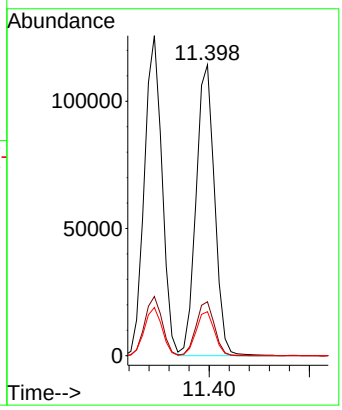


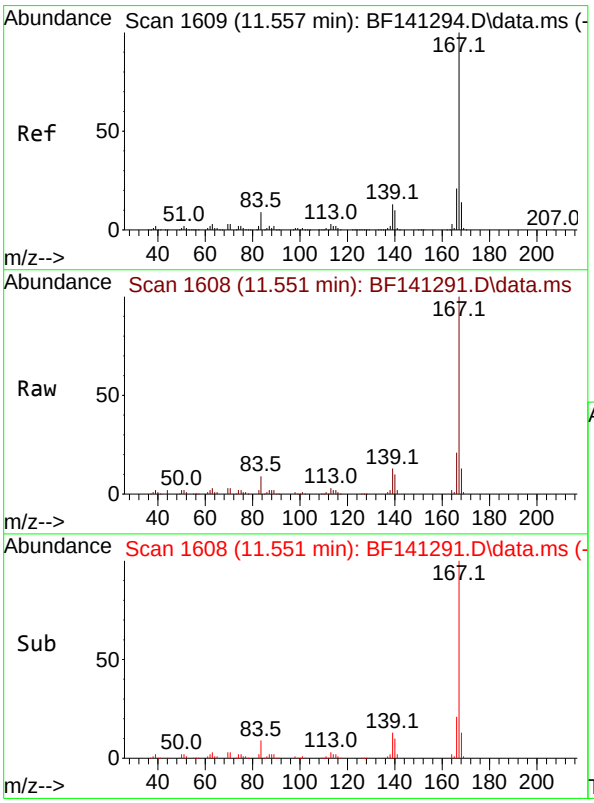
#72
Anthracene
Concen: 5.625 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 146593

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.1	12.3	18.5

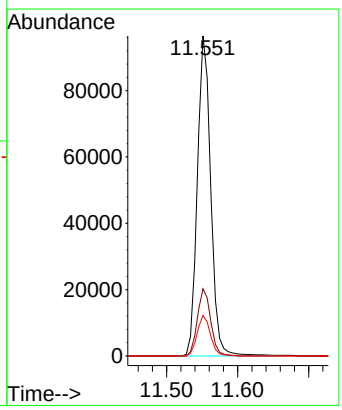


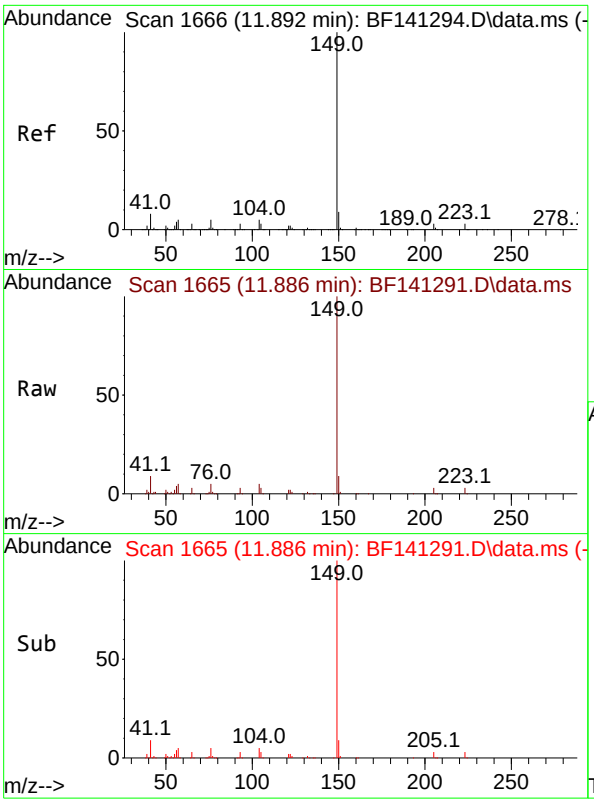


#73
Carbazole
Concen: 5.491 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:167 Resp: 126760

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.6	10.6	16.0



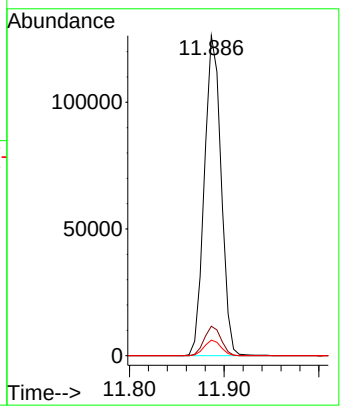


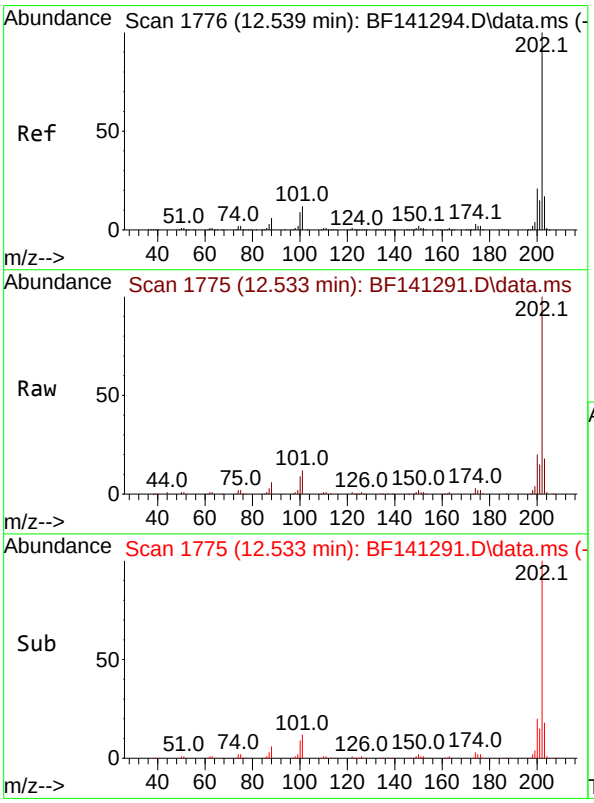
#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 154718

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9

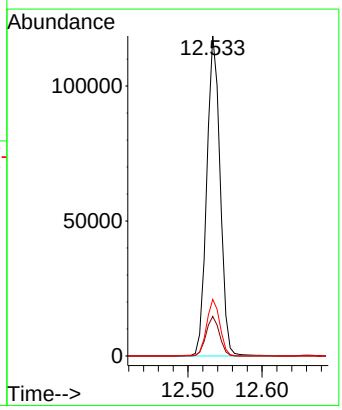


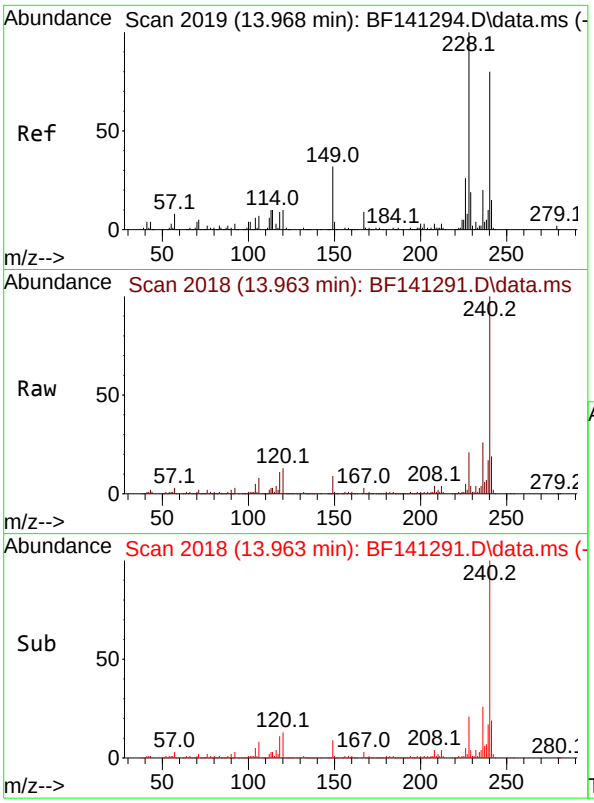


#75
Fluoranthene
Concen: 5.696 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:202 Resp: 148553

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	17.6	0.0	37.5



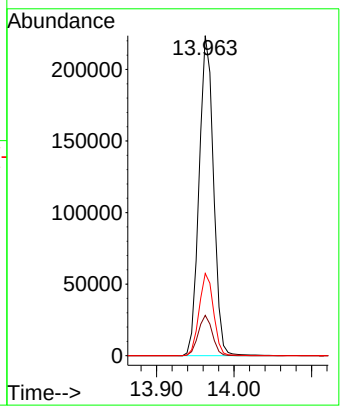


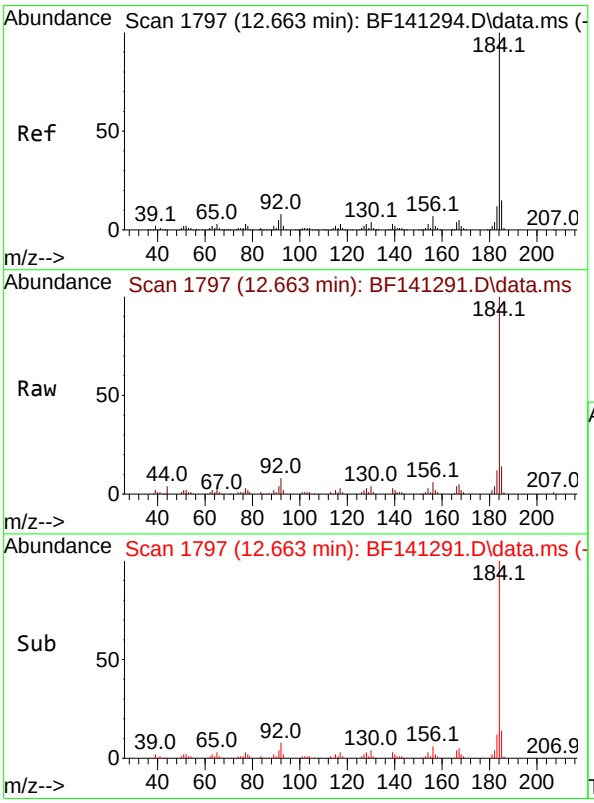
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 288657

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.0	15.0
236	25.7	19.7	29.5

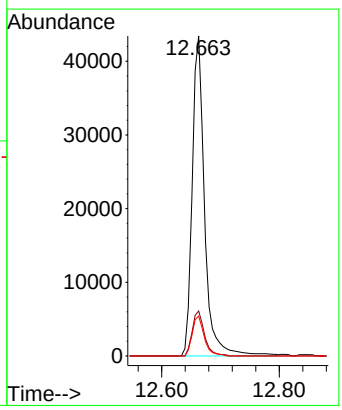


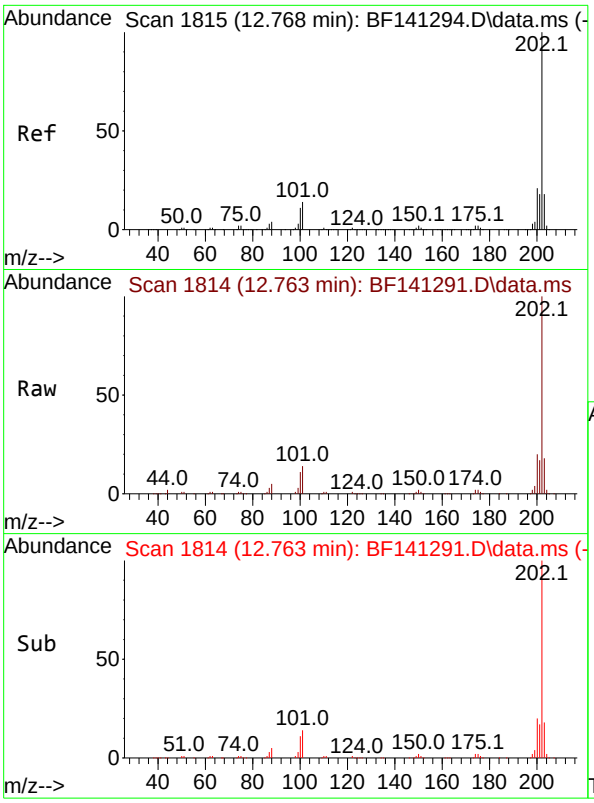


#77
Benzidine
Concen: 7.253 ng
RT: 12.663 min Scan# 1797
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:184 Resp: 63661

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.9	17.9
183	12.4	9.5	14.3



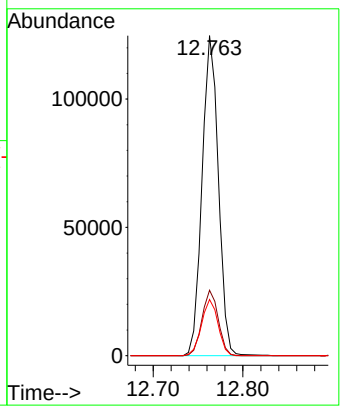


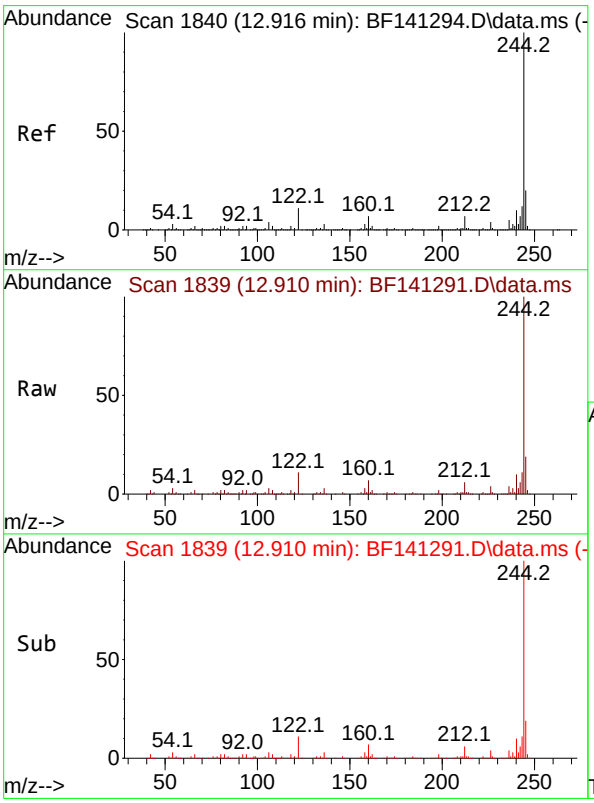
#78
Pyrene
Concen: 5.639 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 157175

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.6	14.3	21.5

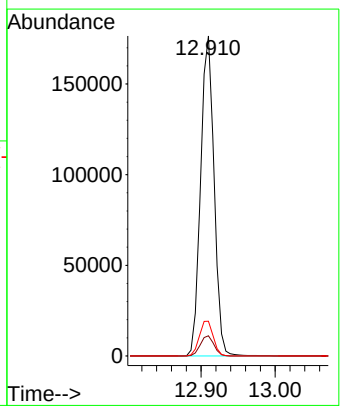


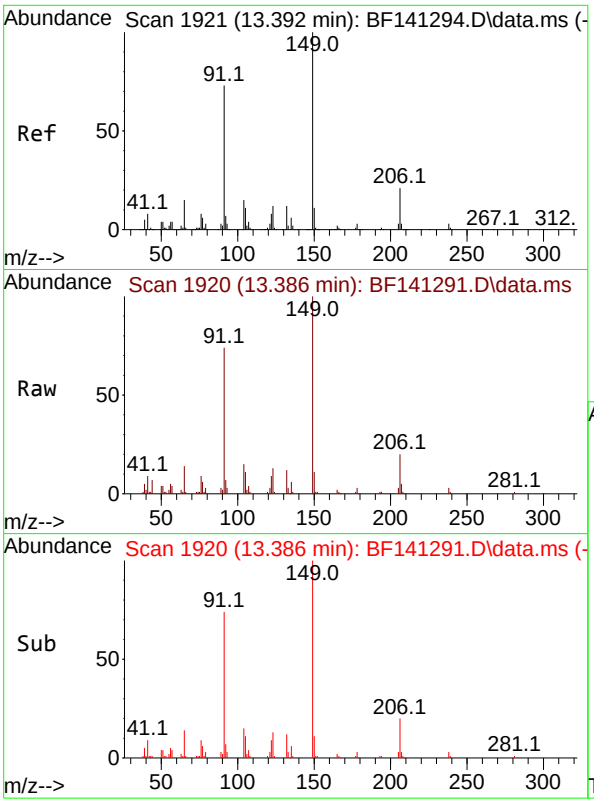


#79
Terphenyl-d14
Concen: 11.874 ng
RT: 12.910 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:244 Resp: 222747

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.9	8.8	13.2



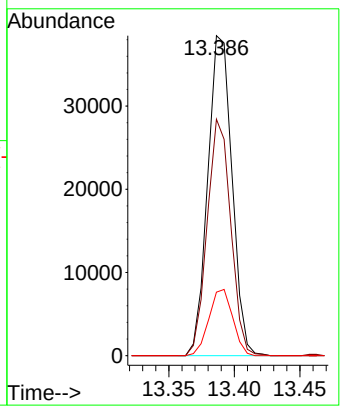


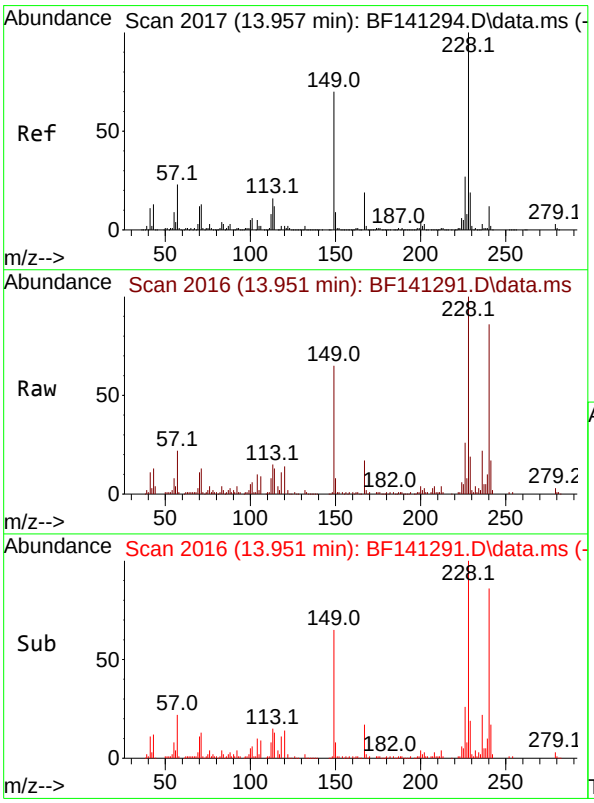
#80
Butylbenzylphthalate
Concen: 5.140 ng
RT: 13.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 49477

Ion	Ratio	Lower	Upper
149	100		
91	73.9	58.6	87.8
206	19.9	16.7	25.1

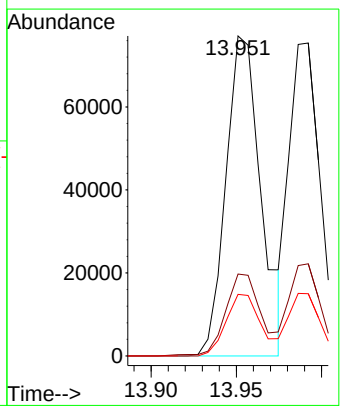


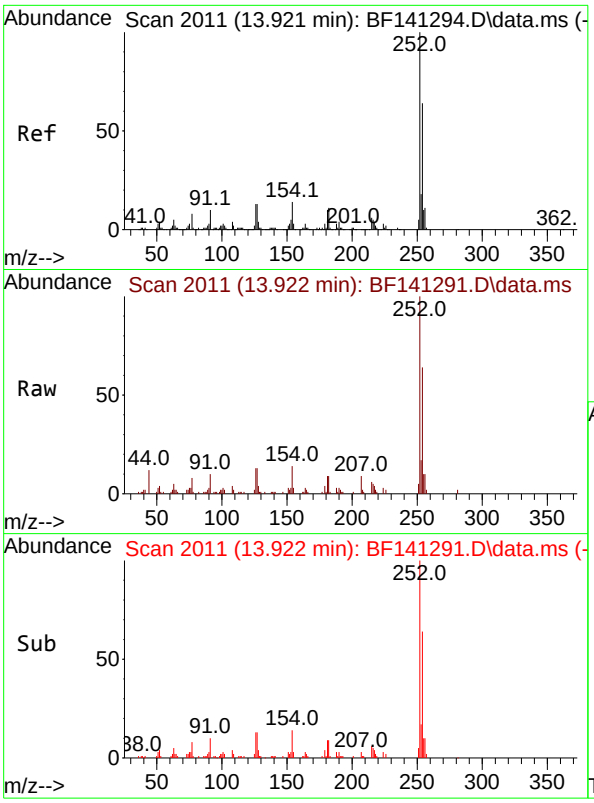


#81
Benzo(a)anthracene
Concen: 5.588 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 110559

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.4	32.2
229	19.3	15.5	23.3



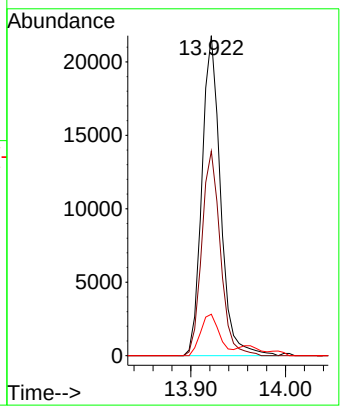


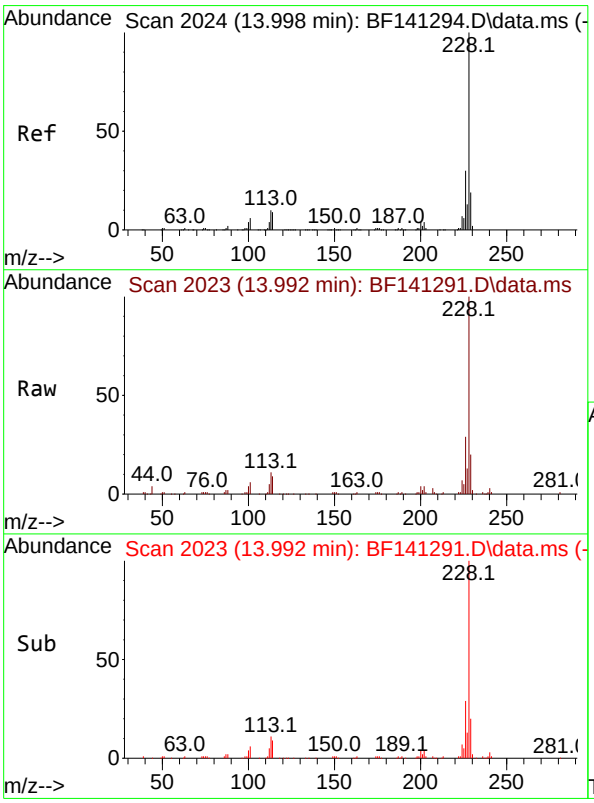
#82
3,3'-Dichlorobenzidine
Concen: 4.803 ng
RT: 13.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 29754

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.3	76.9
126	13.0	10.0	15.0

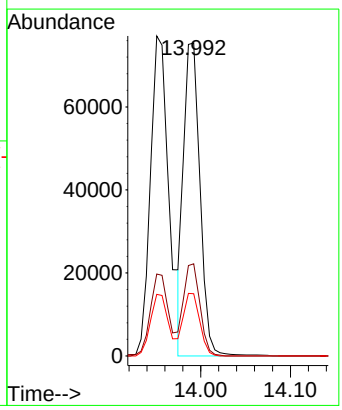


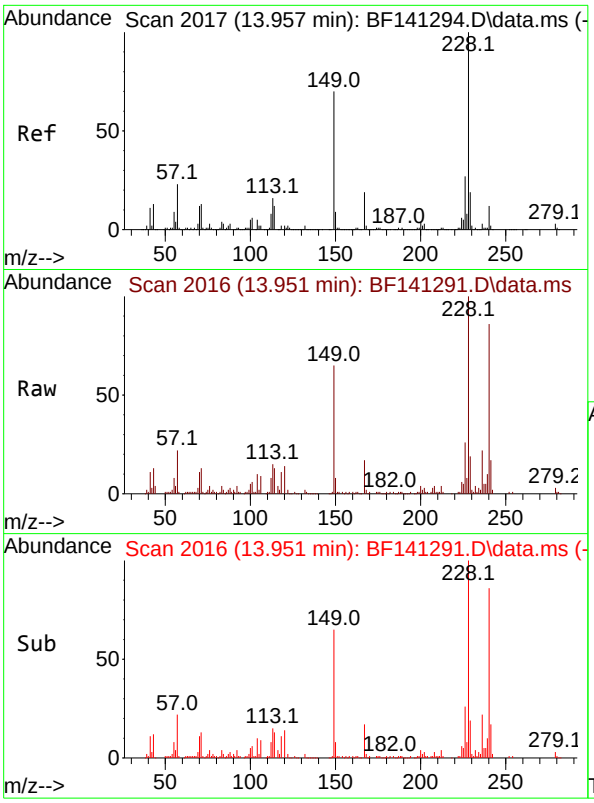


#83
Chrysene
Concen: 5.238 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:228 Resp: 96099

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.9	15.6	23.4



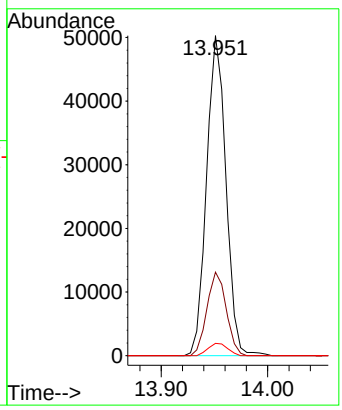


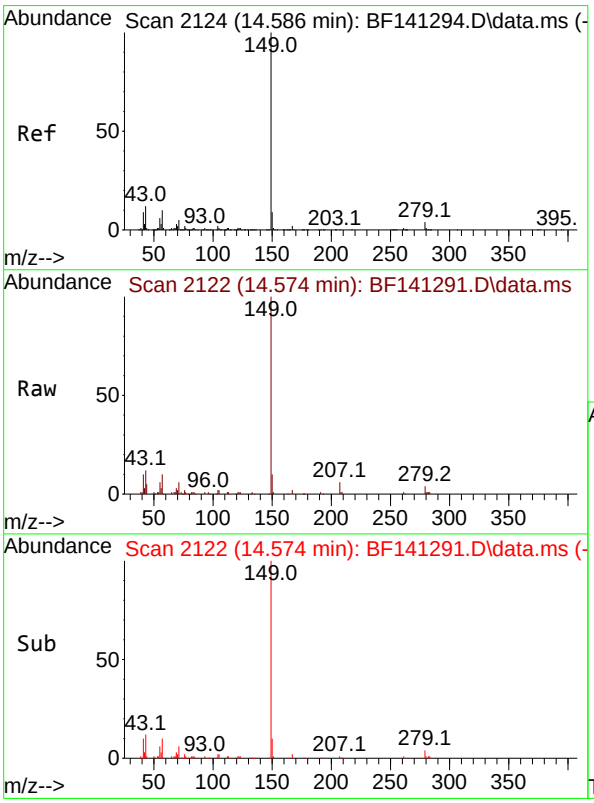
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.269 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 63638

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.8	32.8
279	3.9	3.3	4.9

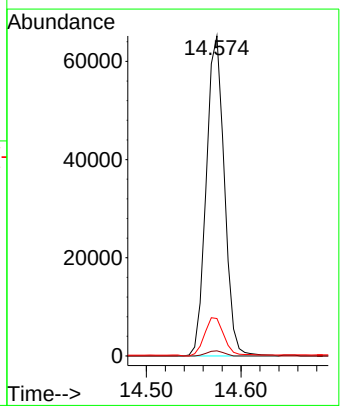


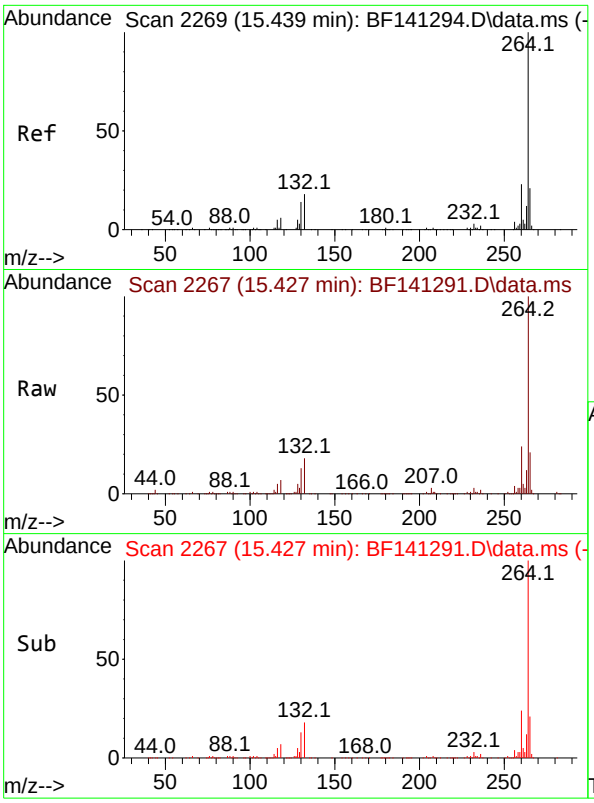


#85
Di-n-octyl phthalate
Concen: 4.560 ng
RT: 14.574 min Scan# 2122
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:149 Resp: 86163

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.3	9.8	14.8



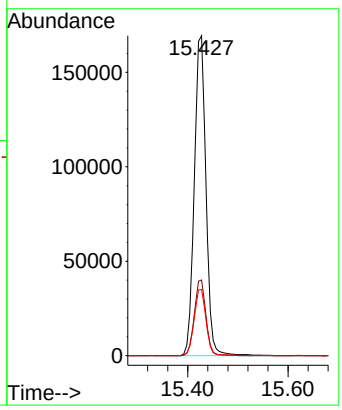


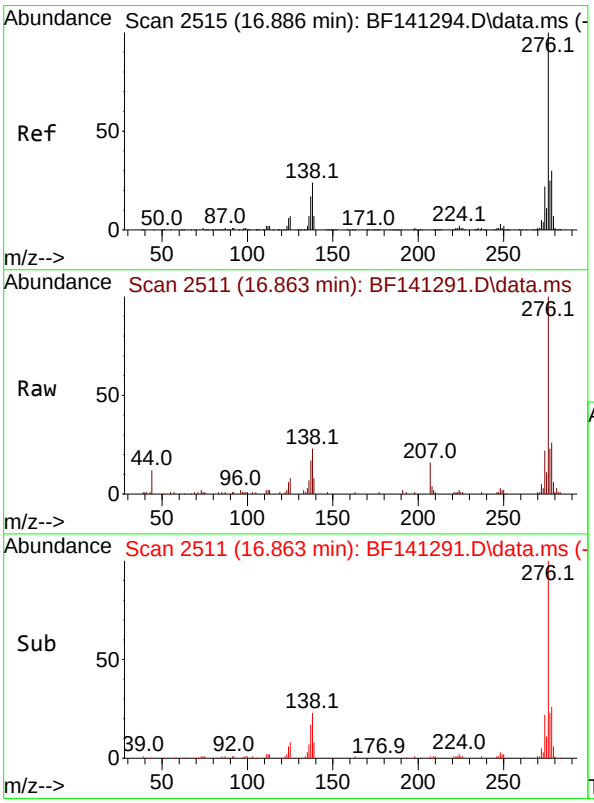
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. -0.011 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 273117

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	20.7	16.7	25.1

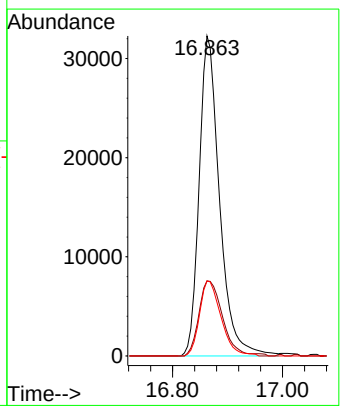


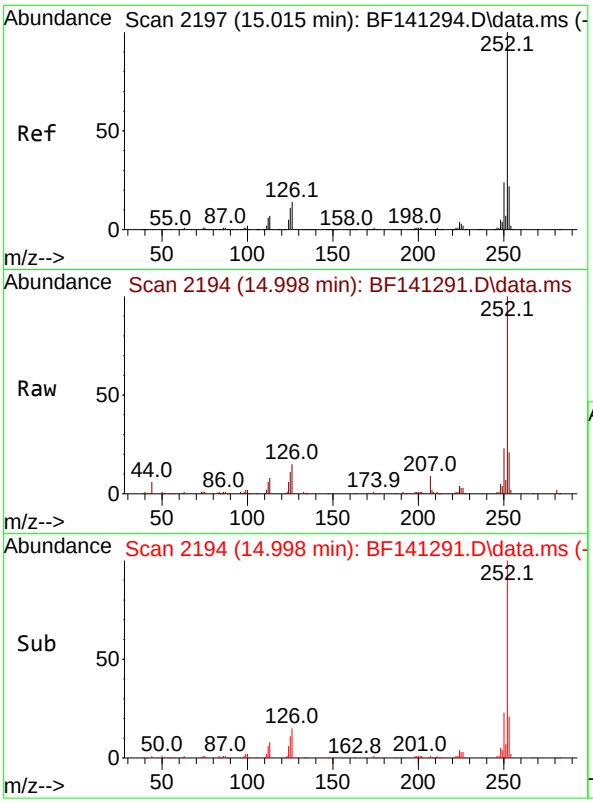


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.657 ng
RT: 16.863 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:276 Resp: 83074

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	24.7	20.3	30.5



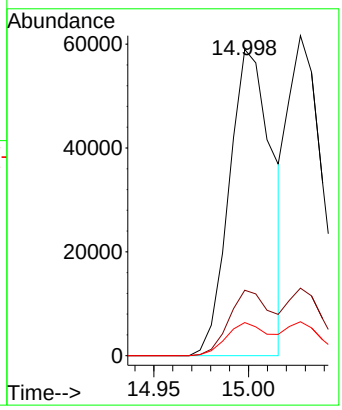


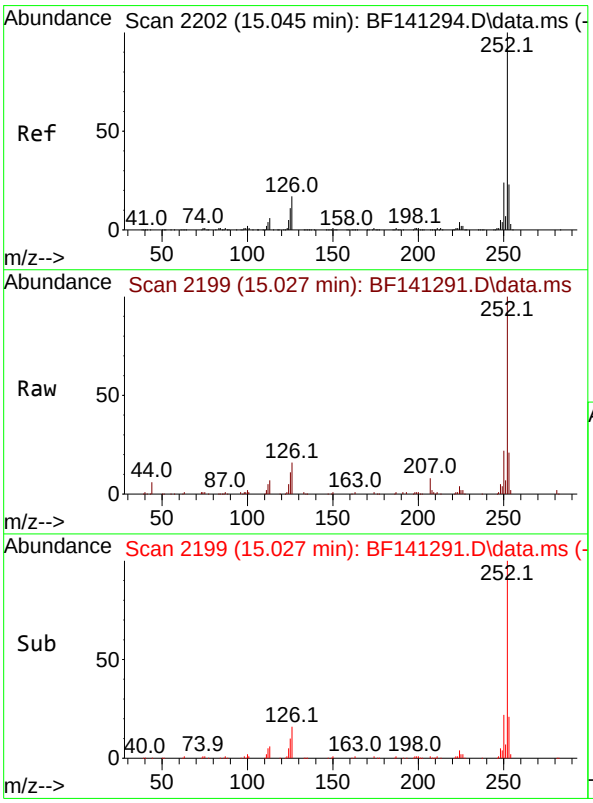
#88
Benzo(b)fluoranthene
Concen: 5.465 ng
RT: 14.998 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 92690

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	10.8	8.6	12.8

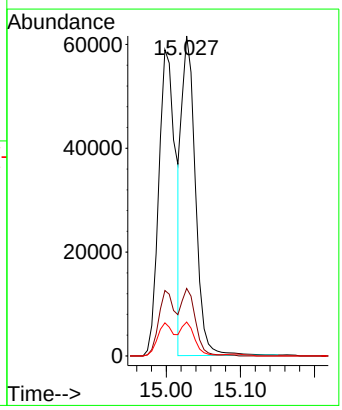


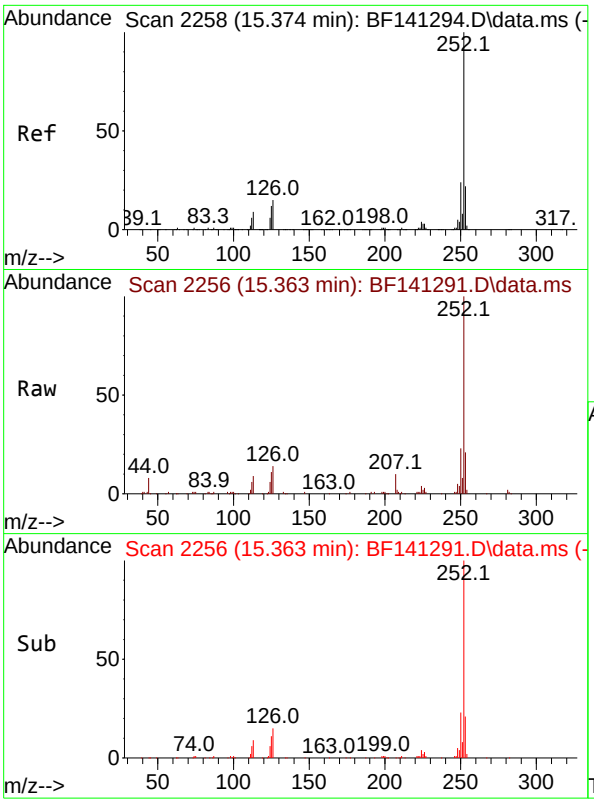


#89
Benzo(k)fluoranthene
Concen: 5.247 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:252 Resp: 79701

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	10.6	8.4	12.6



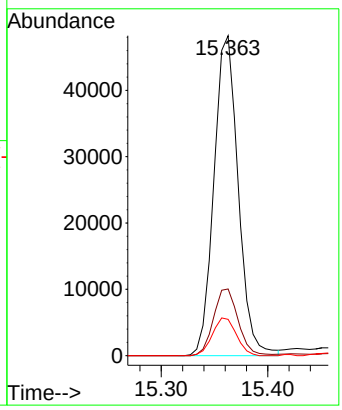


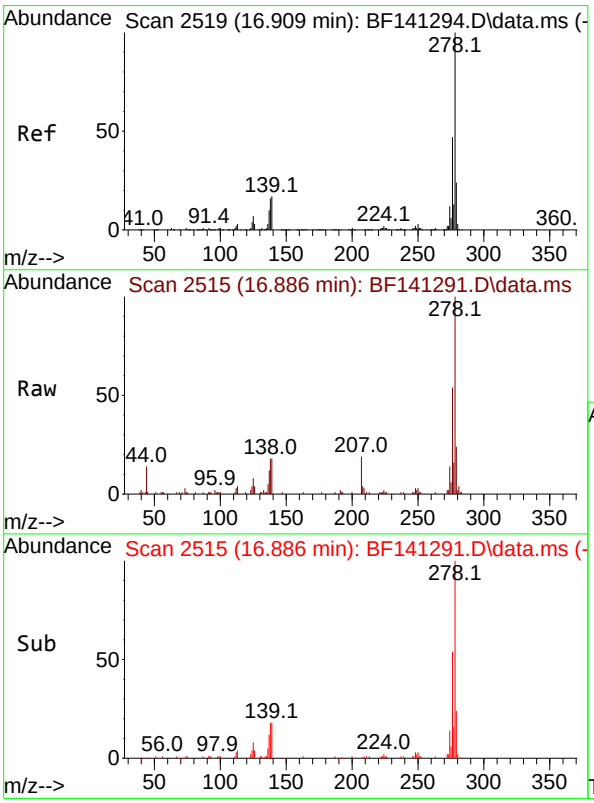
#90
Benzo(a)pyrene
Concen: 5.268 ng
RT: 15.363 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 76368

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.2	25.8
125	11.3	9.4	14.2

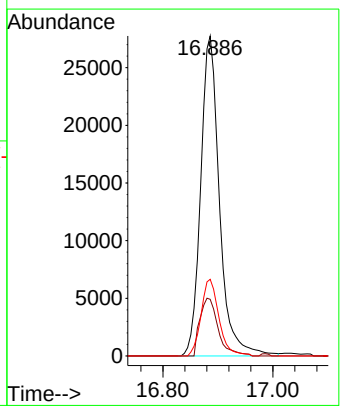


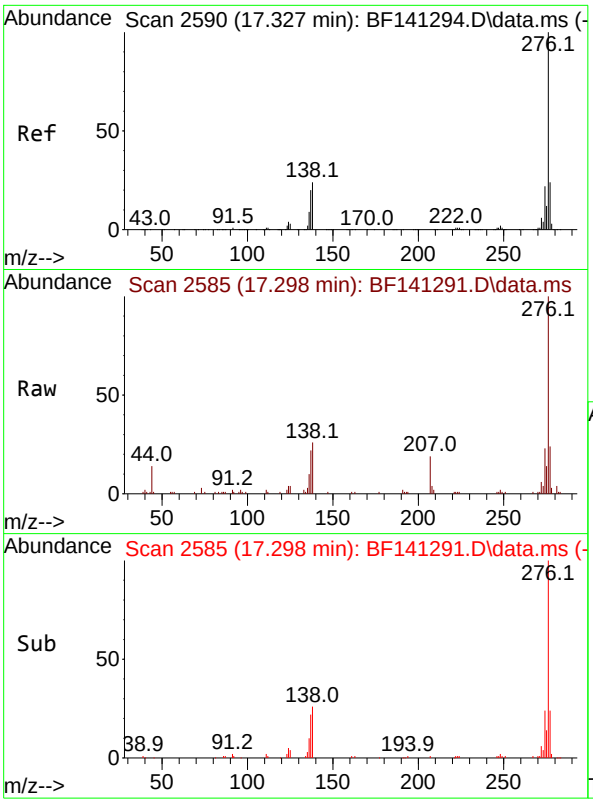


#91
Dibenzo(a,h)anthracene
Concen: 4.615 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Tgt Ion:278 Resp: 65991

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	24.0	18.8	28.2



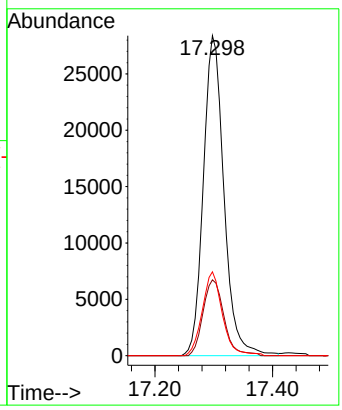


#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.298 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141291.D
Acq: 29 Jan 2025 10:56

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 69049

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	26.2	19.0	28.4



Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	132200	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	289559	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	510795	20.000	ng	0.00
76) Chrysene-d12	13.969	240	308114	20.000	ng	0.00
86) Perylene-d12	15.433	264	280028	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	183846	21.507	ng	0.00
7) Phenol-d6	6.416	99	237908	21.836	ng	-0.01
23) Nitrobenzene-d5	7.357	82	211040	20.937	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	57417	21.761	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	423852	22.581	ng	0.00
79) Terphenyl-d14	12.910	244	434781	21.713	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	39830	10.497	ng	98
3) Pyridine	3.222	79	93176	10.267	ng	99
4) n-Nitrosodimethylamine	3.152	42	52157	10.036	ng	98
6) Aniline	6.457	93	99872	10.968	ng	99
8) 2-Chlorophenol	6.581	128	99805	10.871	ng	95
9) Benzaldehyde	6.346	77	74679	11.803	ng	99
10) Phenol	6.434	94	124196	10.775	ng	96
11) bis(2-Chloroethyl)ether	6.528	93	93367	10.533	ng	99
12) 1,3-Dichlorobenzene	6.740	146	110278	10.891	ng	98
13) 1,4-Dichlorobenzene	6.816	146	109956	10.784	ng	99
14) 1,2-Dichlorobenzene	6.969	146	106335	11.160	ng	98
15) Benzyl Alcohol	6.934	79	79378	10.665	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	164185	10.661	ng	99
17) 2-Methylphenol	7.045	107	77643	10.446	ng	98
18) Hexachloroethane	7.310	117	40445	10.721	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	70075	10.815	ng	99
20) 3+4-Methylphenols	7.198	107	103360	11.310	ng	95
22) Acetophenone	7.204	105	139527	11.036	ng	98
24) Nitrobenzene	7.375	77	109497	10.474	ng	99
25) Isophorone	7.616	82	182564	10.480	ng	100
26) 2-Nitrophenol	7.692	139	49783	10.167	ng	98
27) 2,4-Dimethylphenol	7.728	122	63681m	10.177	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	117232	10.561	ng	98
29) 2,4-Dichlorophenol	7.934	162	79949	10.457	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	94419	10.767	ng	98
31) Naphthalene	8.098	128	305386	10.887	ng	99
32) Benzoic acid	7.798	122	47549	8.367	ng	99
33) 4-Chloroaniline	8.151	127	100852	10.703	ng	98
34) Hexachlorobutadiene	8.222	225	55103	10.736	ng	99
35) Caprolactam	8.481	113	25363	10.256	ng	100
36) 4-Chloro-3-methylphenol	8.622	107	87592	10.674	ng	98
37) 2-Methylnaphthalene	8.792	142	195160	10.925	ng	99
38) 1-Methylnaphthalene	8.892	142	192861	11.022	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	88710	10.775	ng	99
41) Hexachlorocyclopentadiene	8.945	237	22759	9.212	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	55036	10.241	ng	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141292.D
Acq On : 29 Jan 2025 11:49
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 29 16:29:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	61493	10.518	ng	100
46) 1,1'-Biphenyl	9.257	154	245028	10.847	ng	99
47) 2-Chloronaphthalene	9.281	162	189709	10.812	ng	98
48) 2-Nitroaniline	9.375	65	56247	10.164	ng	99
49) Acenaphthylene	9.692	152	268471	10.895	ng	99
50) Dimethylphthalate	9.551	163	210816	10.857	ng	100
51) 2,6-Dinitrotoluene	9.616	165	47955	10.613	ng	97
52) Acenaphthene	9.869	154	188283	10.738	ng	100
53) 3-Nitroaniline	9.781	138	47818	10.699	ng	95
54) 2,4-Dinitrophenol	9.892	184	14749	6.925	ng	98
55) Dibenzofuran	10.039	168	258832	11.038	ng	99
56) 4-Nitrophenol	9.939	139	31196	9.722	ng	98
57) 2,4-Dinitrotoluene	10.016	165	62418	10.710	ng	99
58) Fluorene	10.381	166	204141	11.197	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	49596	10.737	ng	100
60) Diethylphthalate	10.257	149	205131	10.908	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	100485	11.294	ng	100
62) 4-Nitroaniline	10.392	138	45222	10.533	ng	99
63) Azobenzene	10.534	77	204300	10.839	ng	99
65) 4,6-Dinitro-2-methylph...	10.422	198	26939	8.831	ng	91
66) n-Nitrosodiphenylamine	10.492	169	174617	10.544	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	59770	10.468	ng	96
68) Hexachlorobenzene	10.928	284	63908	10.551	ng	100
69) Atrazine	11.016	200	51633	9.295	ng	99
70) Pentachlorophenol	11.128	266	34788	9.796	ng	99
71) Phenanthrene	11.345	178	298892	10.893	ng	99
72) Anthracene	11.398	178	292813	10.940	ng	99
73) Carbazole	11.551	167	258853	10.919	ng	99
74) Di-n-butylphthalate	11.886	149	316336	11.070	ng	99
75) Fluoranthene	12.533	202	306969	11.462	ng	99
77) Benzidine	12.657	184	73918	7.890	ng	98
78) Pyrene	12.763	202	317744	10.681	ng	99
80) Butylbenzylphthalate	13.386	149	106335	10.349	ng	99
81) Benzo(a)anthracene	13.957	228	217291	10.289	ng	99
82) 3,3'-Dichlorobenzidine	13.922	252	65021	9.833	ng	99
83) Chrysene	13.992	228	204080	10.421	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	139099	10.789	ng	99
85) Di-n-octyl phthalate	14.580	149	195129	9.676	ng	99
87) Indeno(1,2,3-cd)pyrene	16.874	276	177554	9.708	ng	100
88) Benzo(b)fluoranthene	15.010	252	193558	11.130	ng	99
89) Benzo(k)fluoranthene	15.039	252	155925	10.012	ng	99
90) Benzo(a)pyrene	15.374	252	148214	9.972	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	140143	9.559	ng	99
92) Benzo(g,h,i)perylene	17.315	276	150453	9.756	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
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Misc :
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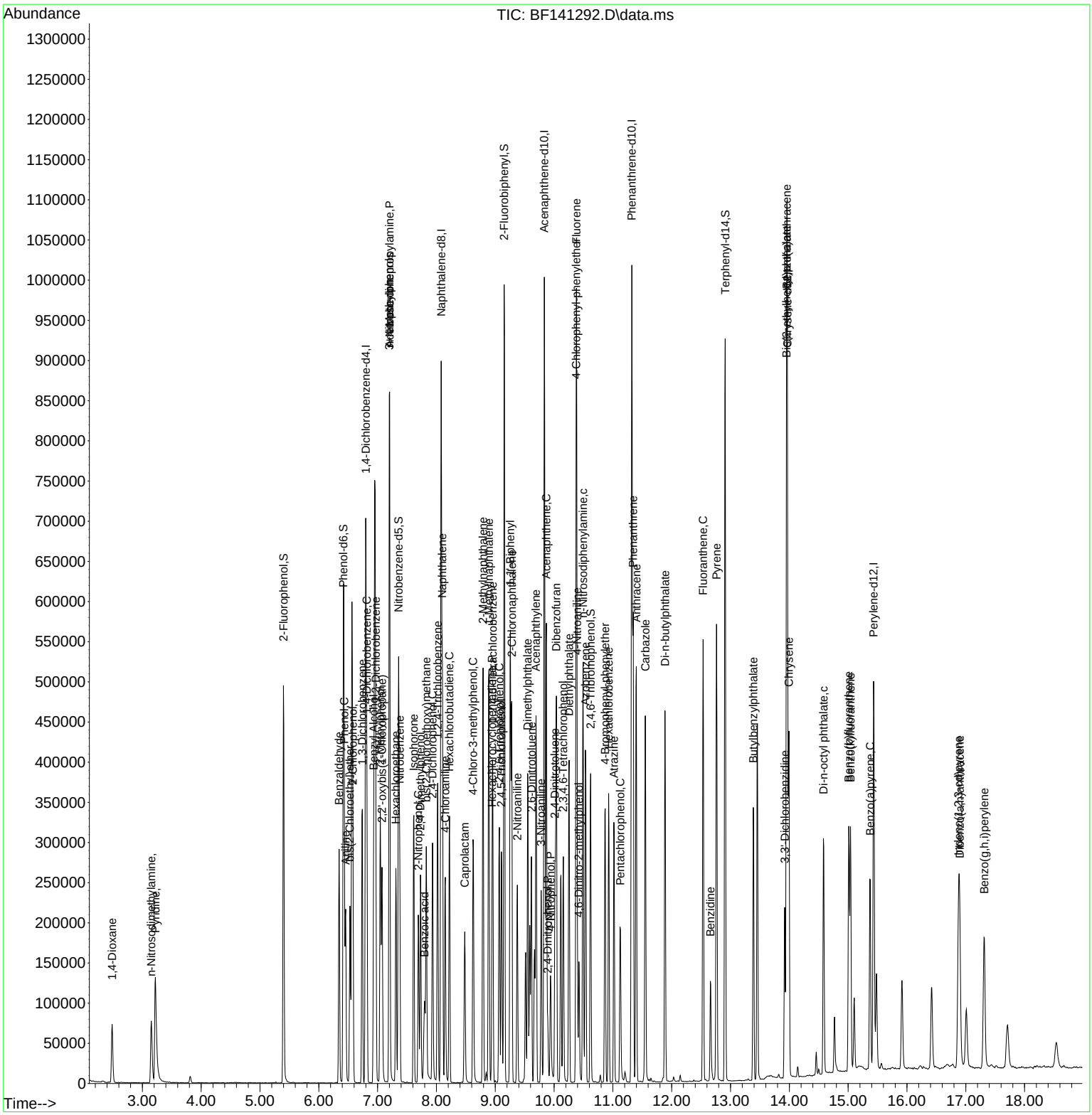
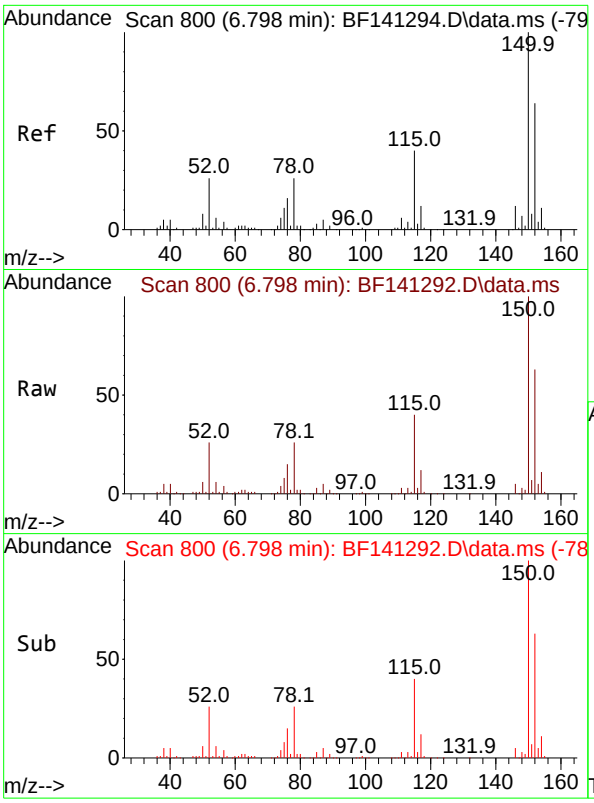
Supervised By :mohammad ahmed 02/04/2025

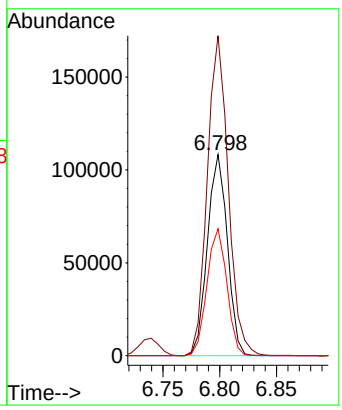




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 13220(

Ion	Ratio	Lower	Upper
152	100		
150	159.1	125.9	188.9
115	63.1	49.7	74.5



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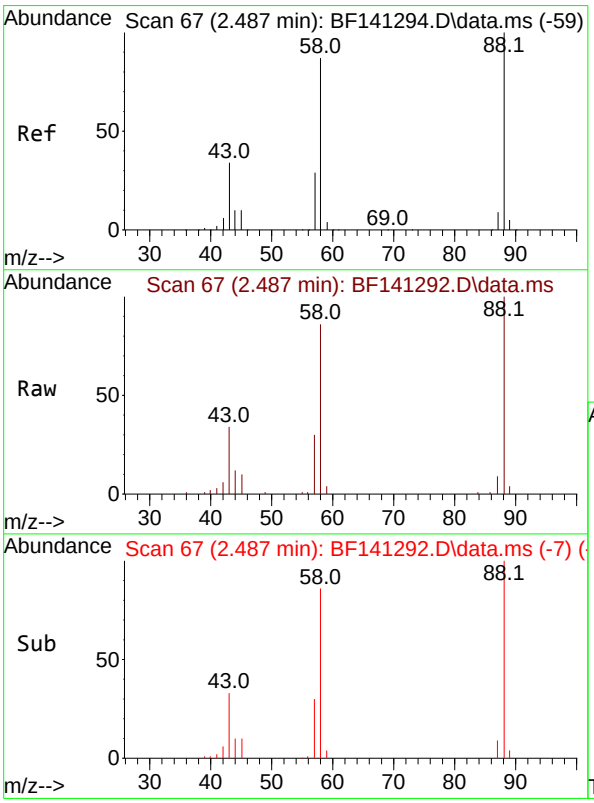
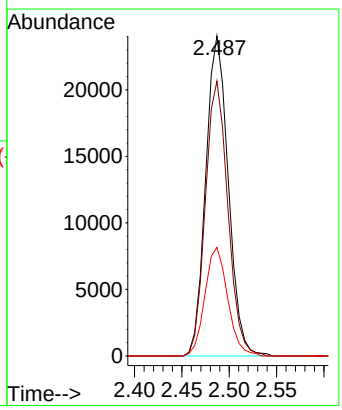
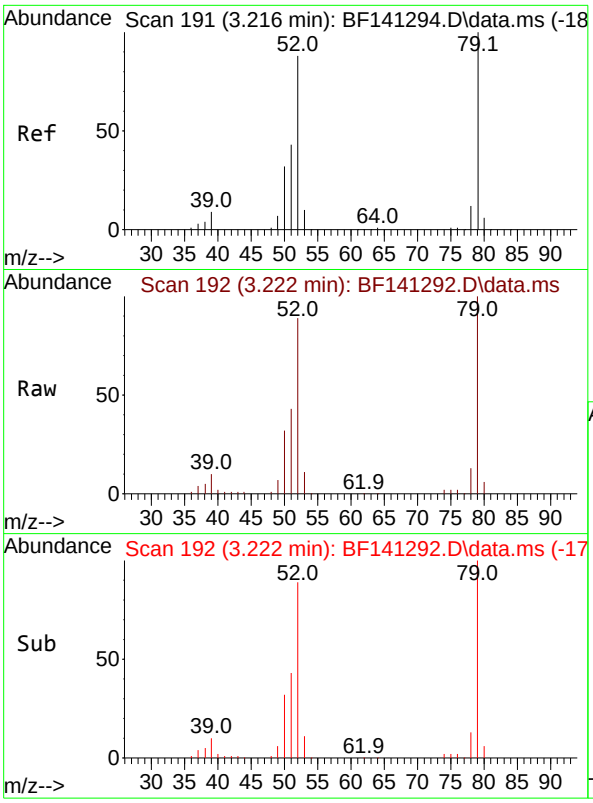


#2
1,4-Dioxane
Concen: 10.497 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 88 Resp: 39830

Ion	Ratio	Lower	Upper
88	100		
58	85.5	70.2	105.4
43	34.3	27.6	41.4

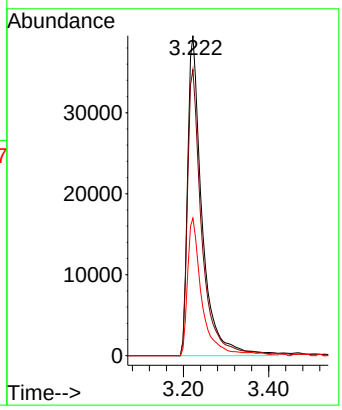




#3
Pyridine
Concen: 10.267 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 9317

Ion	Ratio	Lower	Upper
79	100		
52	89.4	70.3	105.5
51	43.0	34.3	51.5



Instrument :
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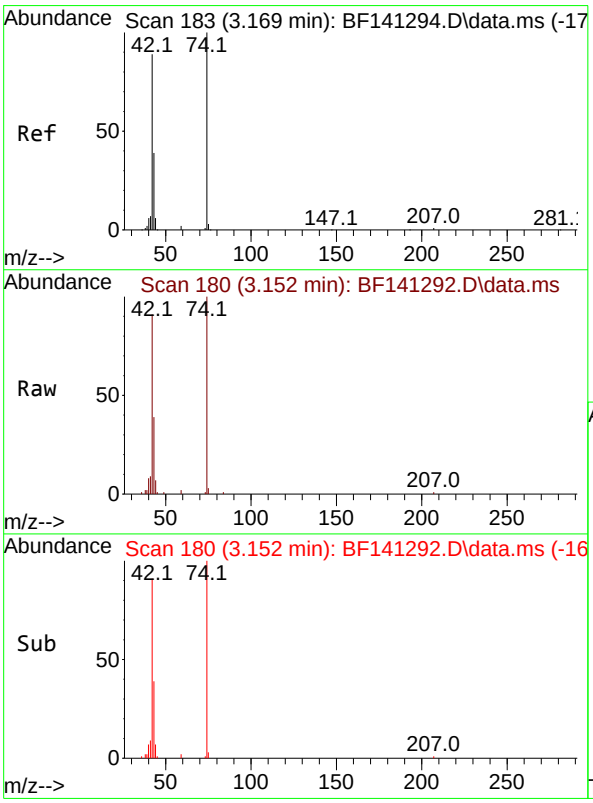
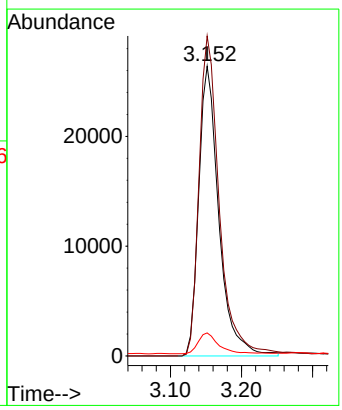
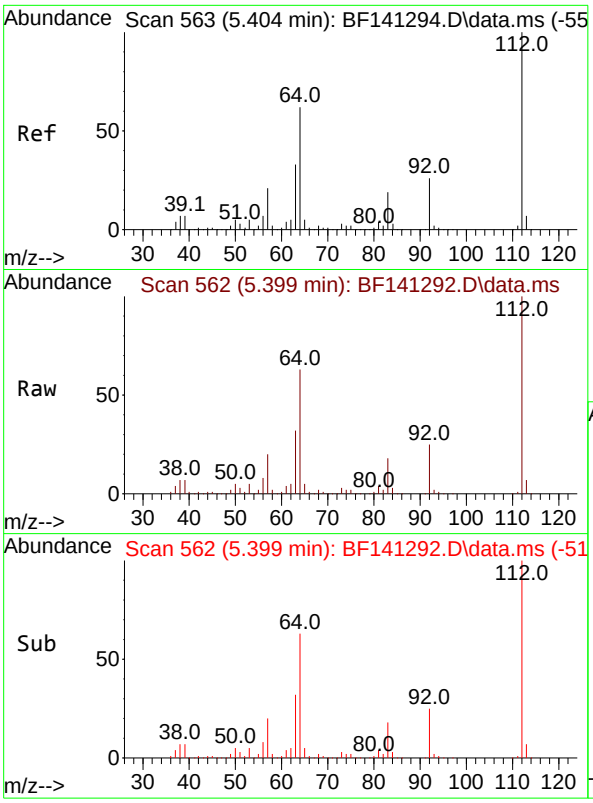


#4
n-Nitrosodimethylamine
Concen: 10.036 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.017 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 42 Resp: 52157

Ion	Ratio	Lower	Upper
42	100		
74	110.5	90.3	135.5
44	8.0	5.7	8.5

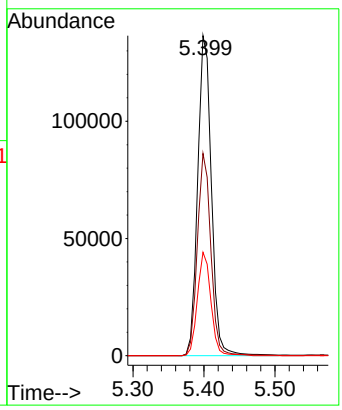




#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.399 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:112 Resp: 18384

Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.8	74.8
63	32.3	26.1	39.1



Instrument :
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ClientSampleId :
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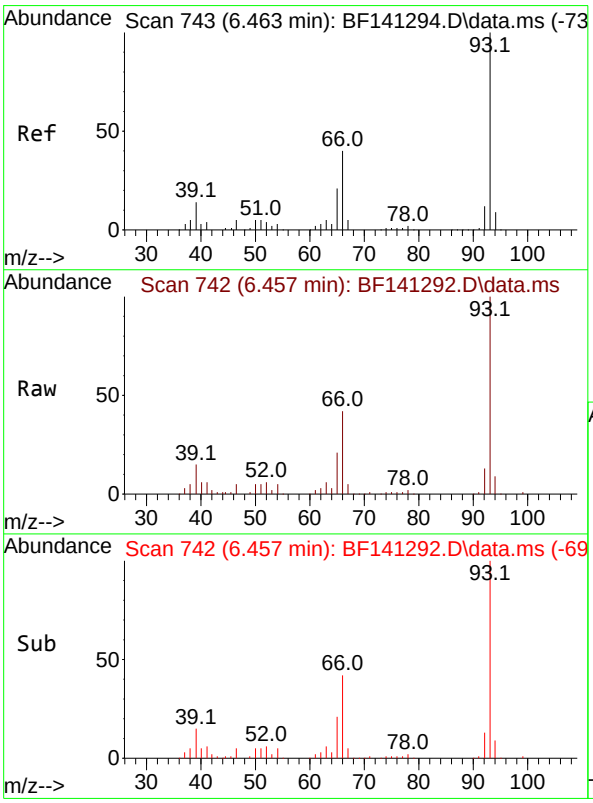
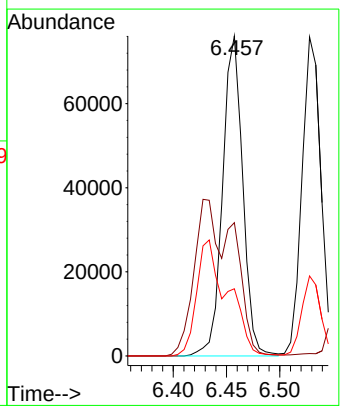
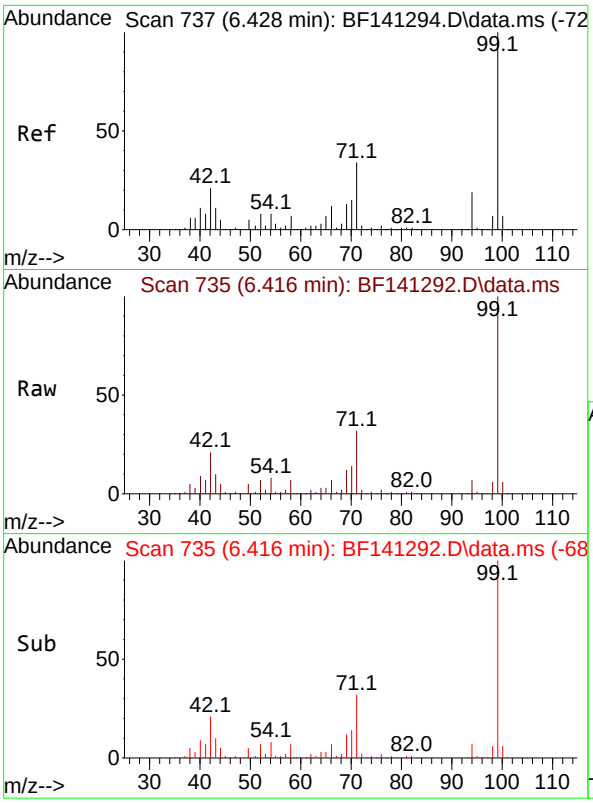


#6
Aniline
Concen: 10.968 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 99872

Ion	Ratio	Lower	Upper
93	100		
66	41.7	32.5	48.7
65	21.0	17.0	25.6

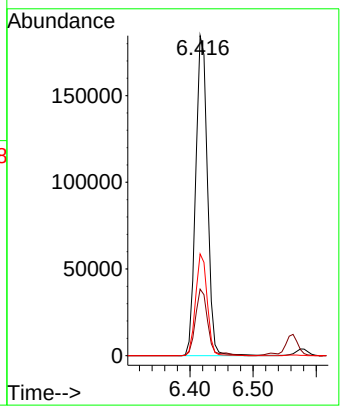




#7
Phenol-d6
Concen: 21.836 ng
RT: 6.416 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 99 Resp: 23790

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	31.8	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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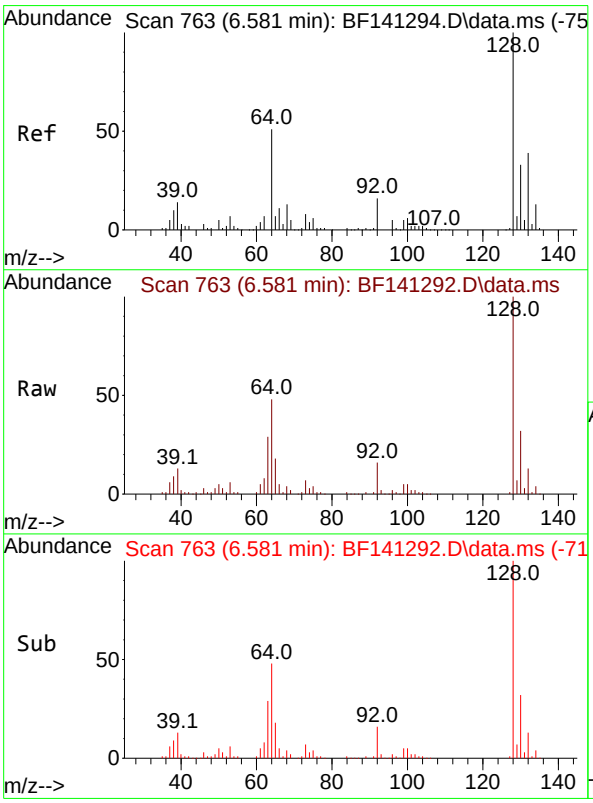
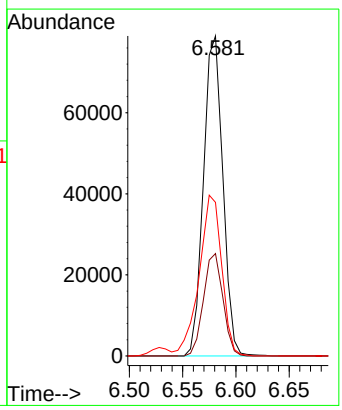
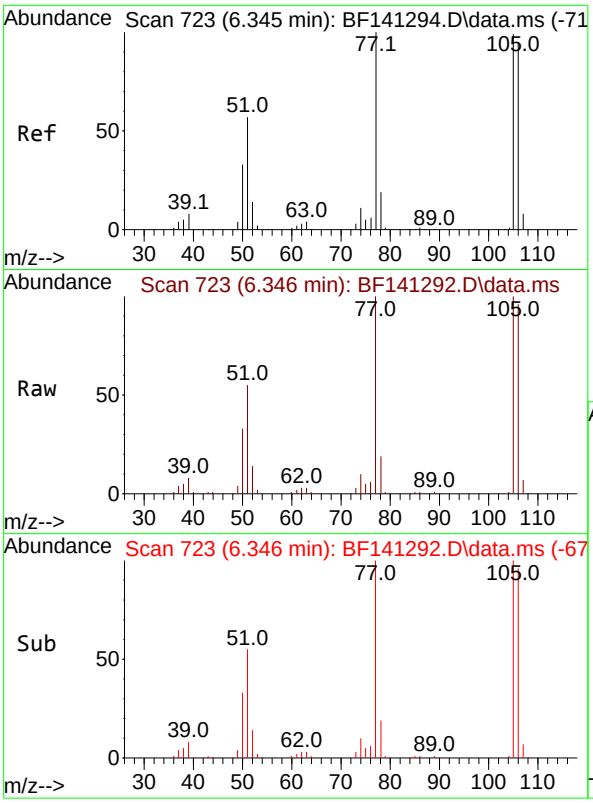


#8
2-Chlorophenol
Concen: 10.871 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 99805

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.5	52.5
64	48.0	32.9	72.9

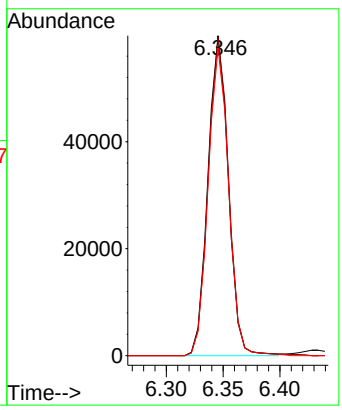




#9
Benzaldehyde
Concen: 11.803 ng
RT: 6.346 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 7467

Ion	Ratio	Lower	Upper
77	100		
105	99.6	79.4	119.4
106	96.1	74.6	114.6



Instrument :
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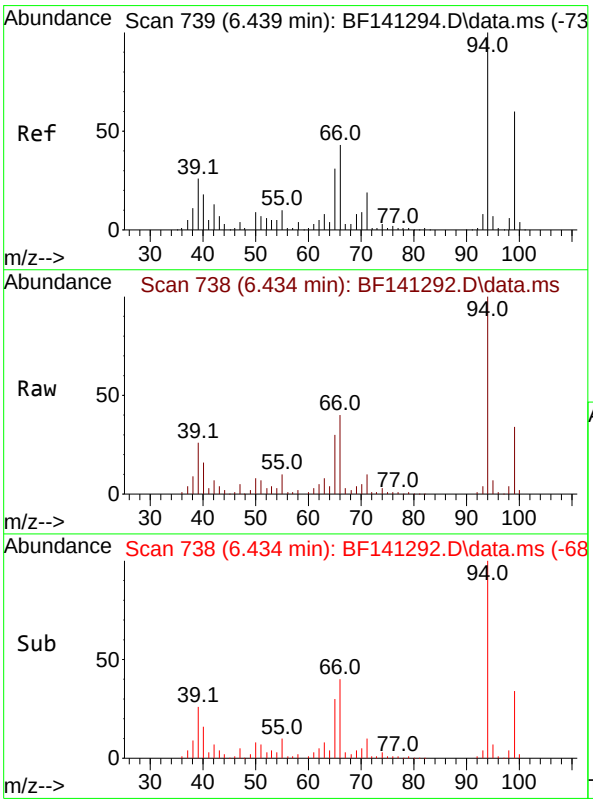
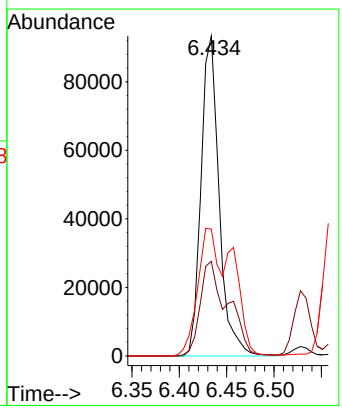
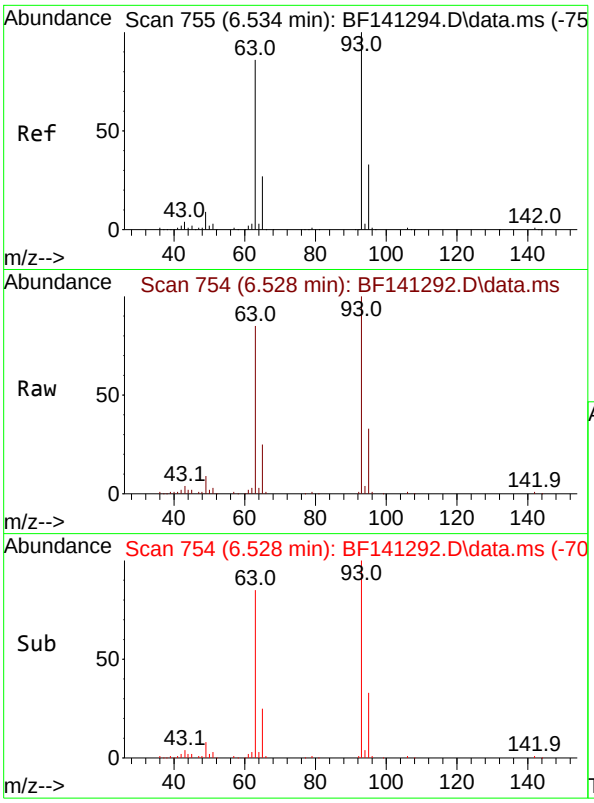


#10
Phenol
Concen: 10.775 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 94 Resp: 124196

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.8	50.8
66	39.7	23.3	63.3

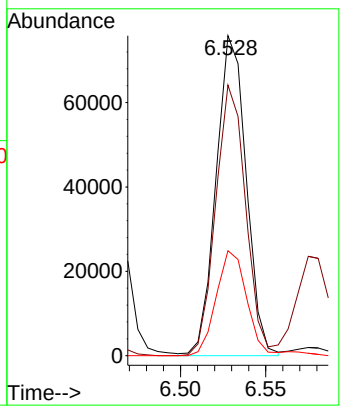




#11
bis(2-Chloroethyl)ether
Concen: 10.533 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 9336

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



Instrument :
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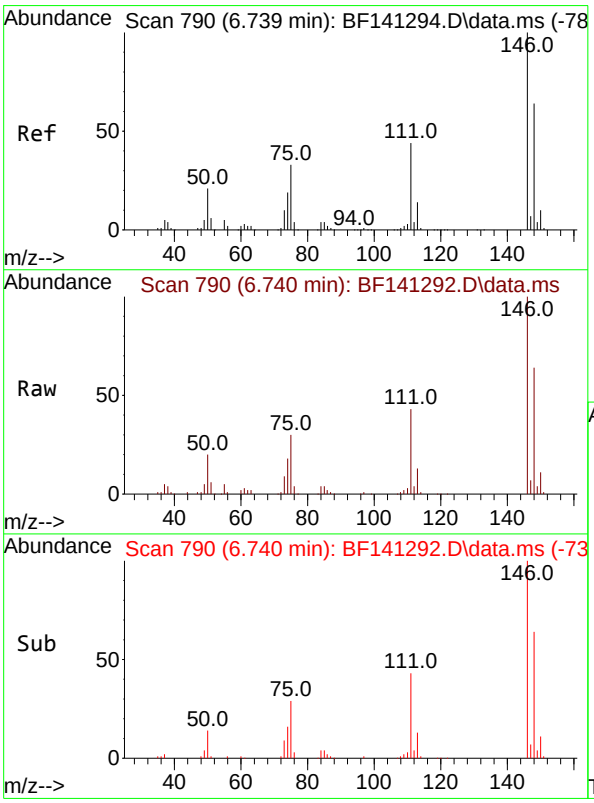
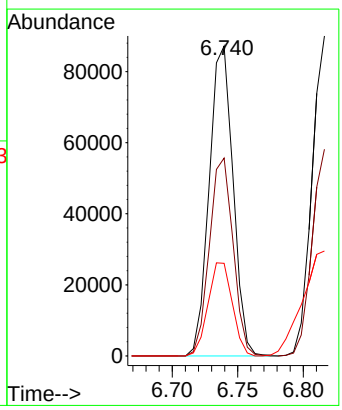
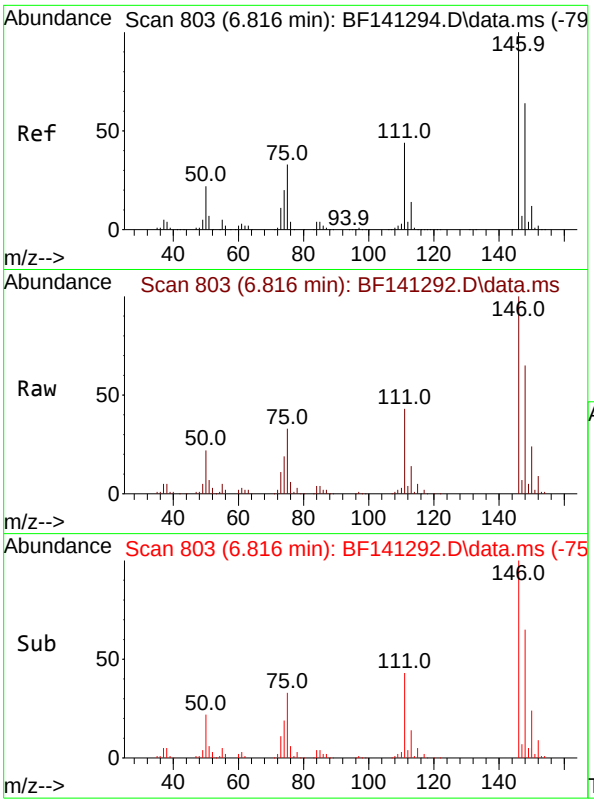


#12
1,3-Dichlorobenzene
Concen: 10.891 ng
RT: 6.740 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 110278

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
75	29.9	26.2	39.4

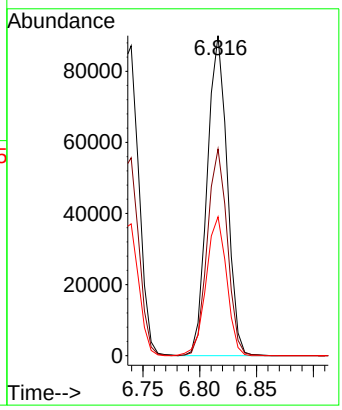




#13
1,4-Dichlorobenzene
Concen: 10.784 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 10995

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.2	76.8
111	43.4	35.0	52.4



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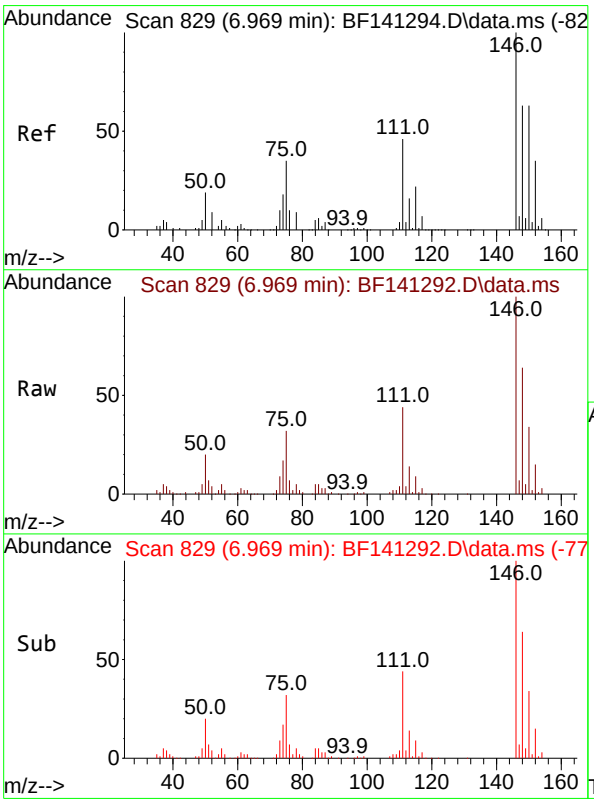
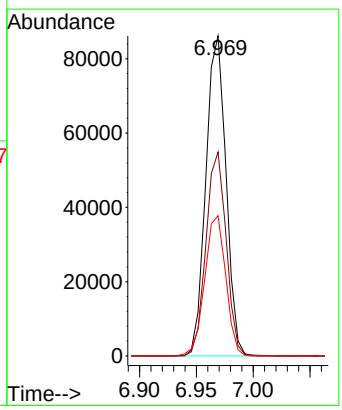
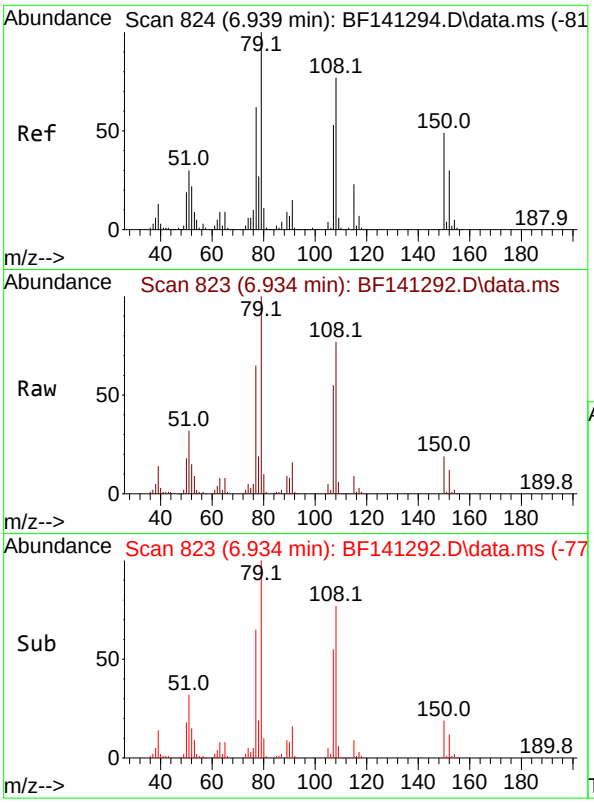


#14
1,2-Dichlorobenzene
Concen: 11.160 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:146 Resp: 106335

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	43.8	36.6	55.0

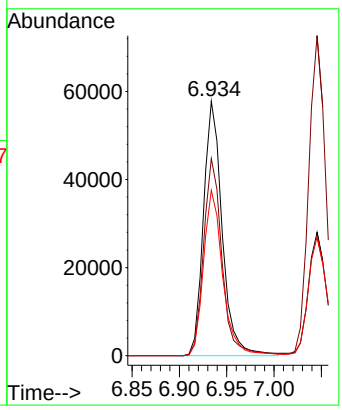




#15
Benzyl Alcohol
Concen: 10.665 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 79 Resp: 7937

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.4	92.0
77	65.0	49.9	74.9



Instrument :
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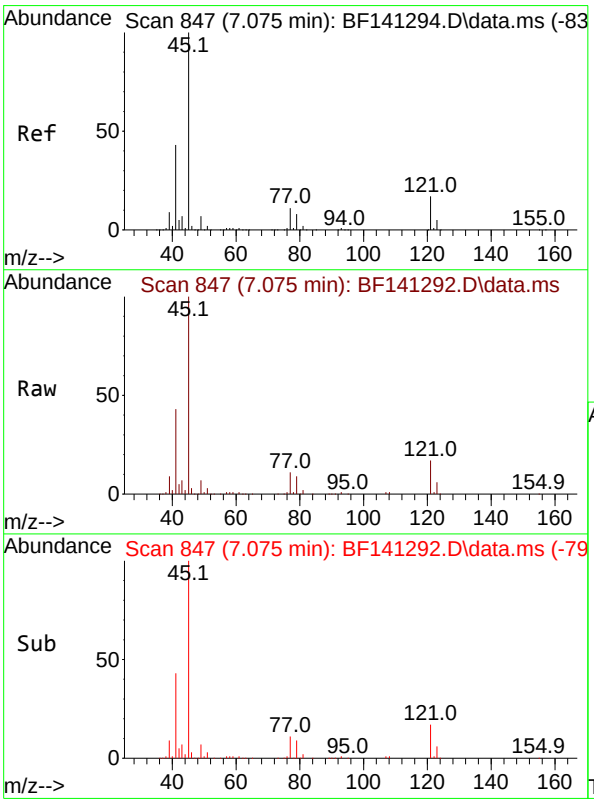
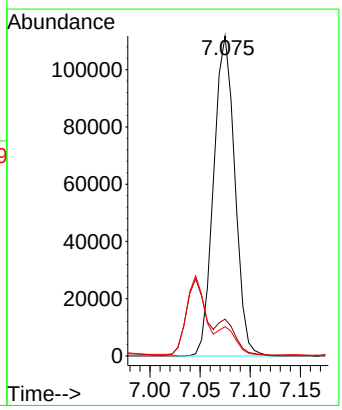
Supervised By :mohammad ahmed 02/04/2025

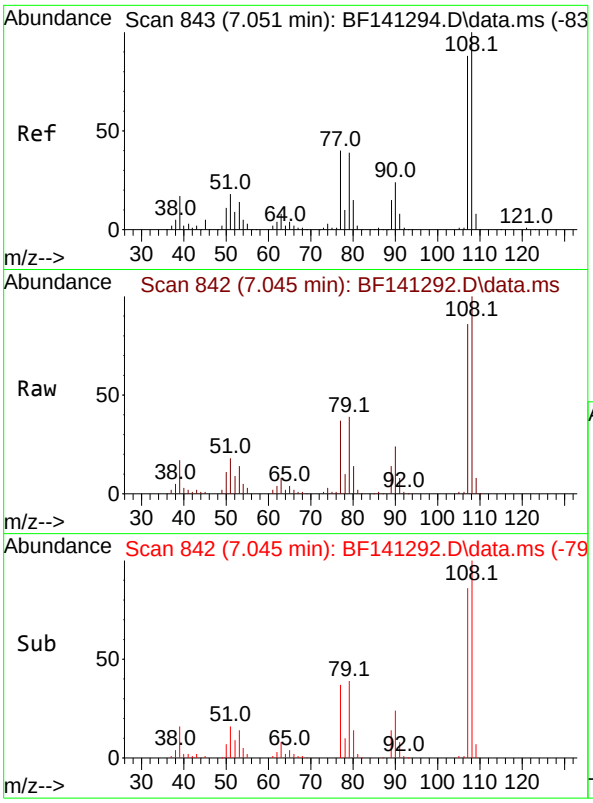


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.661 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 45 Resp: 164185

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.2	0.0	29.1

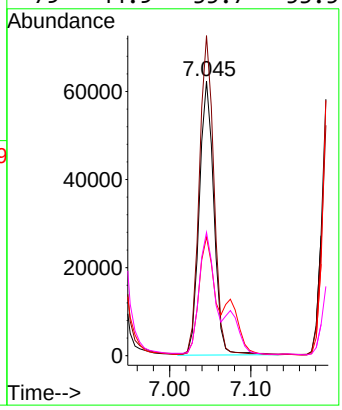




#17
2-Methylphenol
Concen: 10.446 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 7764

Ion	Ratio	Lower	Upper
107	100		
108	116.6	90.8	136.2
77	43.3	36.2	54.4
79	44.9	35.7	53.5



Instrument :
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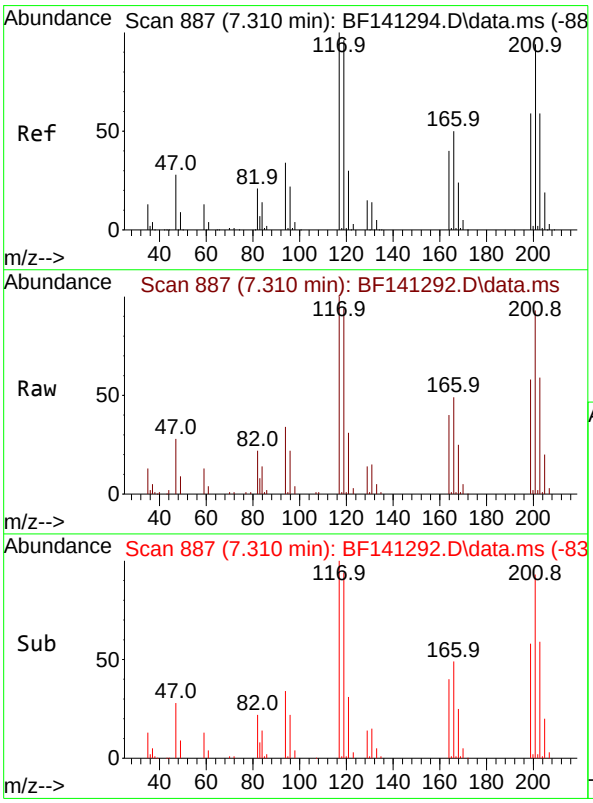
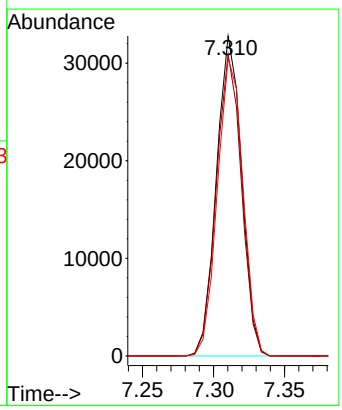
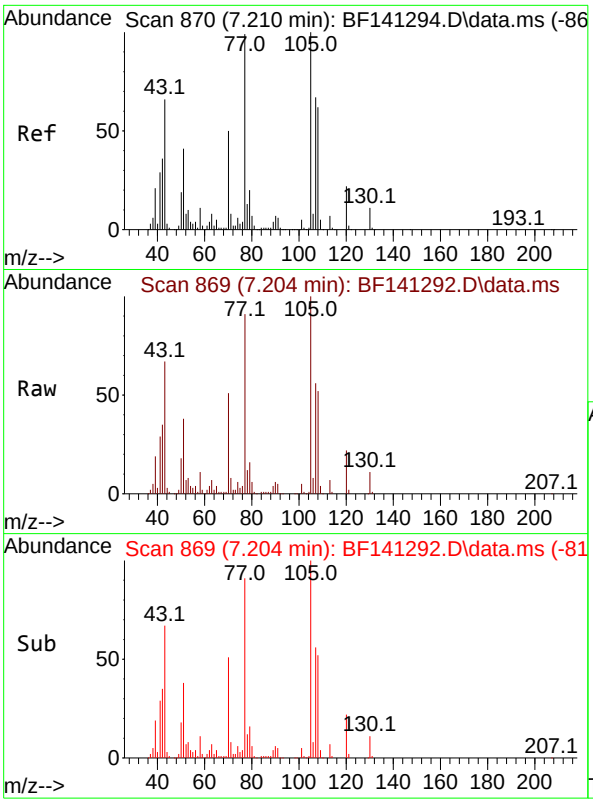


#18
Hexachloroethane
Concen: 10.721 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:117 Resp: 40445

Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.6	114.8
201	93.1	74.8	112.2

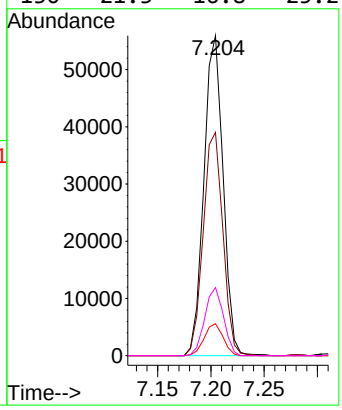




#19
n-Nitroso-di-n-propylamine
Concen: 10.815 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 70 Resp: 7007

Ion	Ratio	Lower	Upper
70	100		
42	69.8	56.8	85.2
101	10.0	7.7	11.5
130	21.3	16.8	25.2



Instrument :
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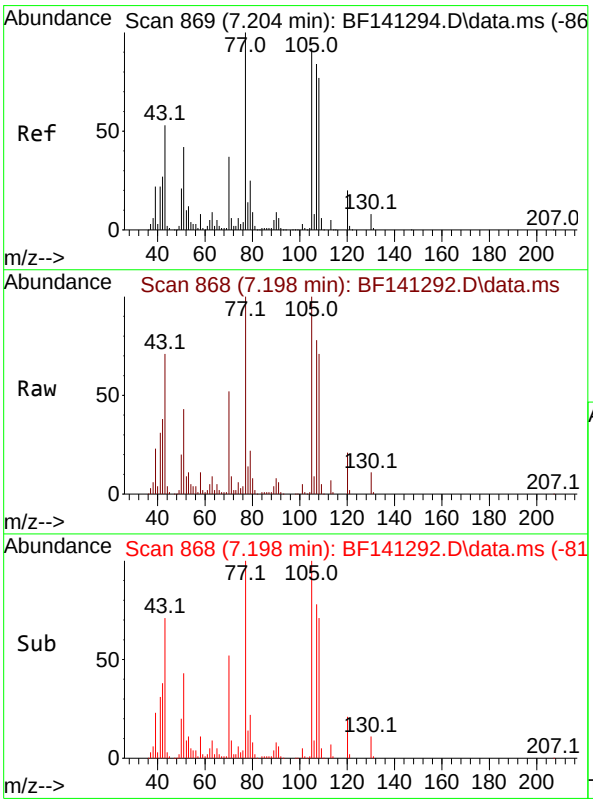
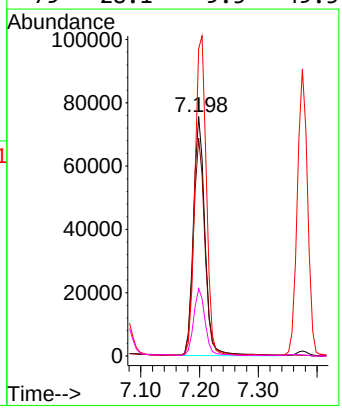
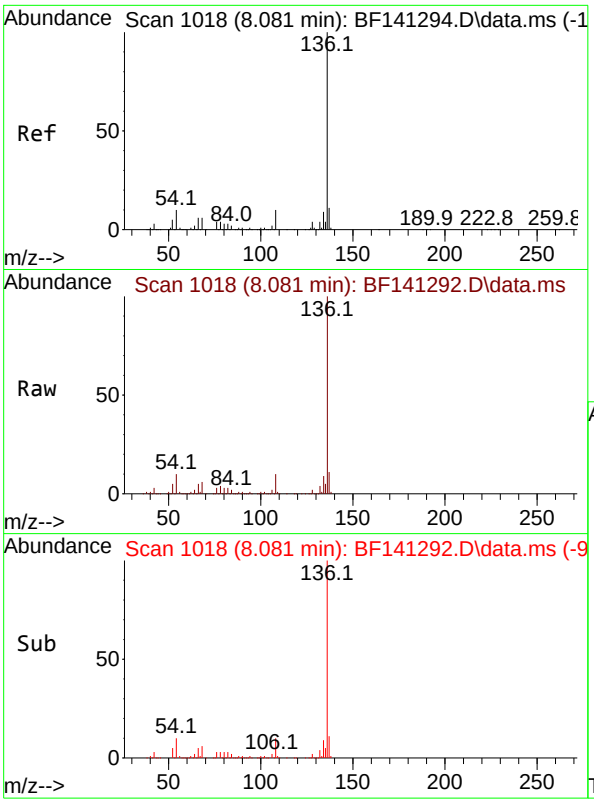


#20
3+4-Methylphenols
Concen: 11.310 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 103360

Ion	Ratio	Lower	Upper
107	100		
108	91.0	70.9	110.9
77	128.4	98.5	138.5
79	28.1	9.5	49.5

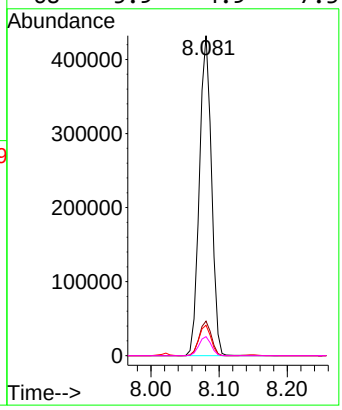




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:136 Resp: 53332

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



Instrument :
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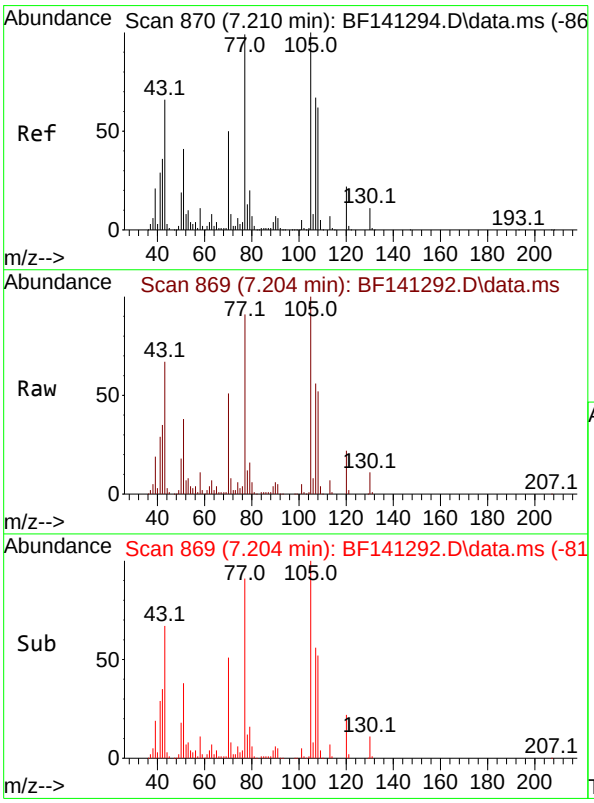
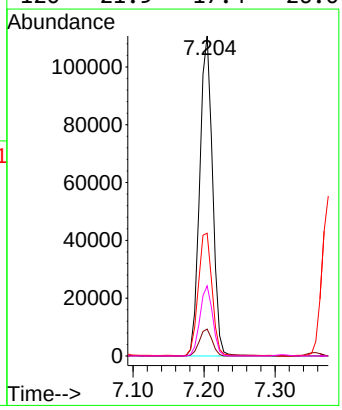
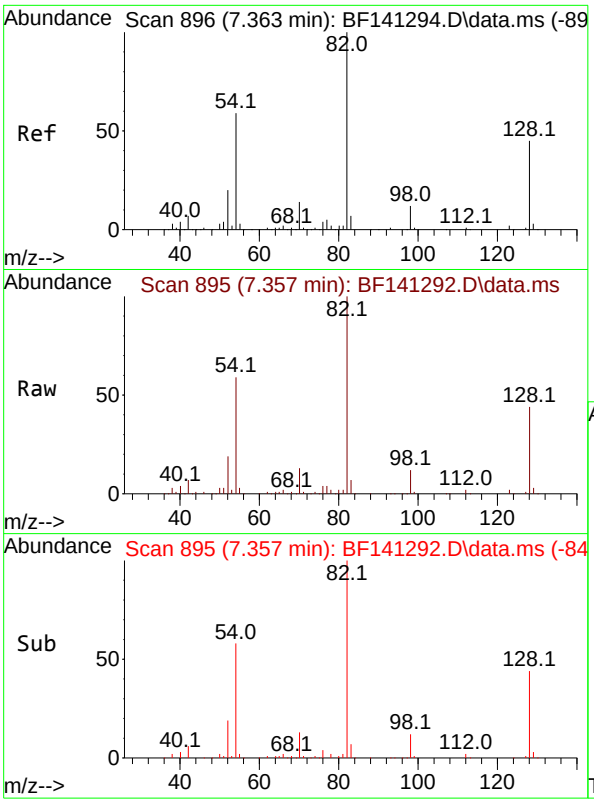


#22
Acetophenone
Concen: 11.036 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:105 Resp: 139527

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	38.3	32.6	49.0
120	21.9	17.4	26.0





#23
Nitrobenzene-d5
Concen: 20.937 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 21104

Ion	Ratio	Lower	Upper
82	100		
128	44.0	35.7	53.5
54	58.7	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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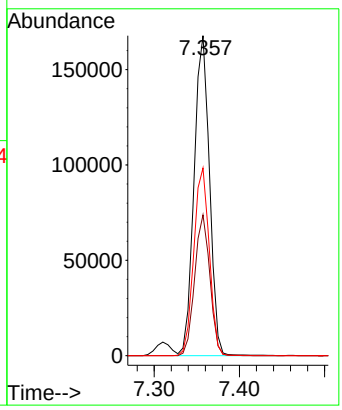
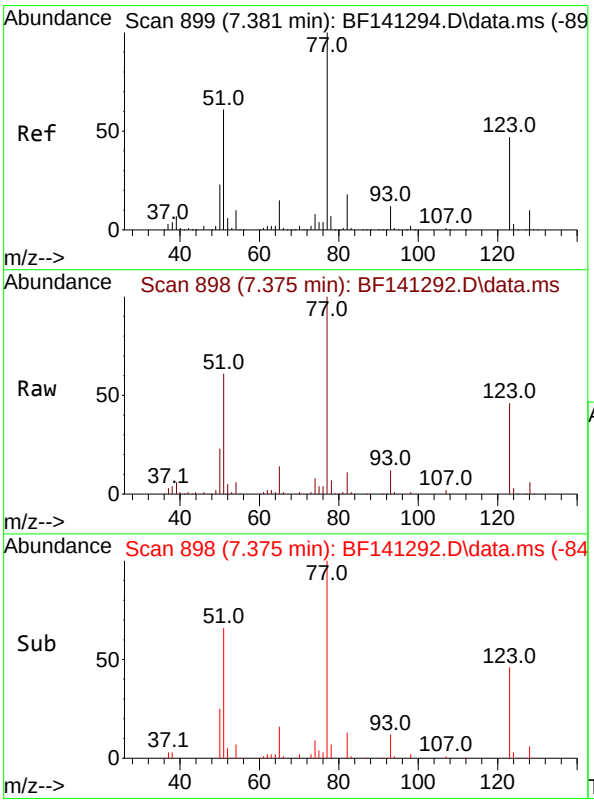
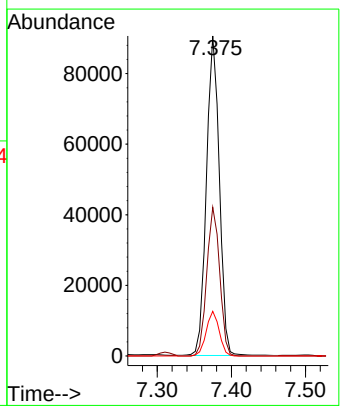


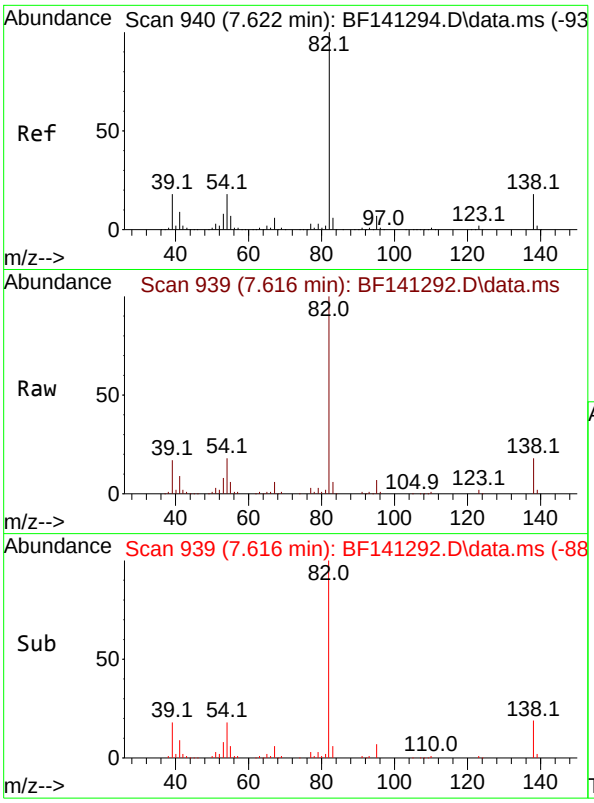


#24
Nitrobenzene
Concen: 10.474 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 109497

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.3	55.9
65	14.0	11.8	17.6

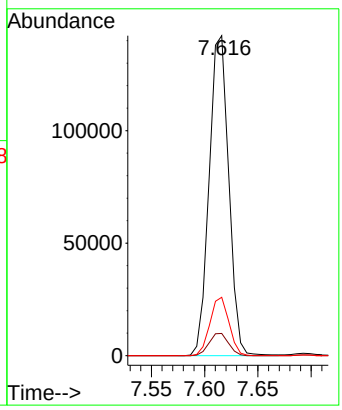




#25
Isophorone
Concen: 10.480 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 82 Resp: 18256

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.6
138	18.2	14.7	22.1



Instrument :
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ClientSampleId :
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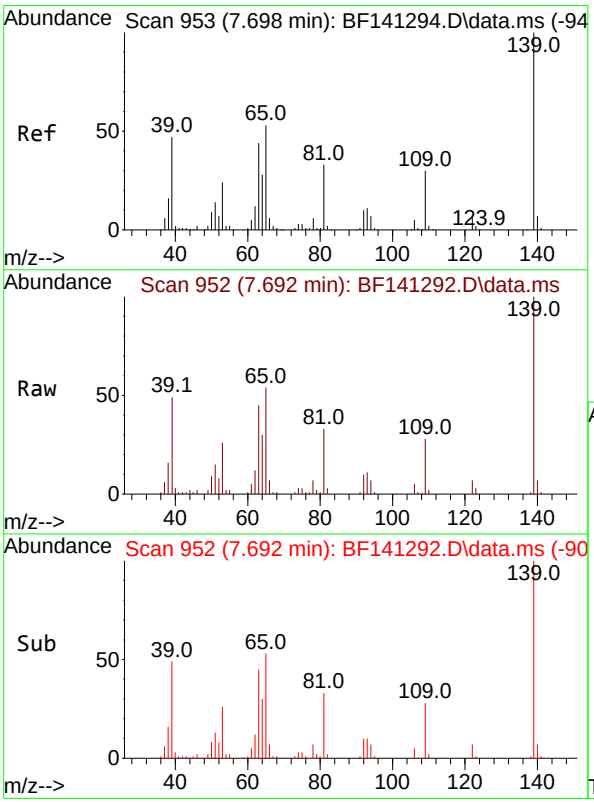
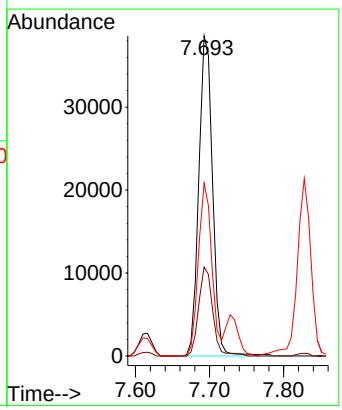
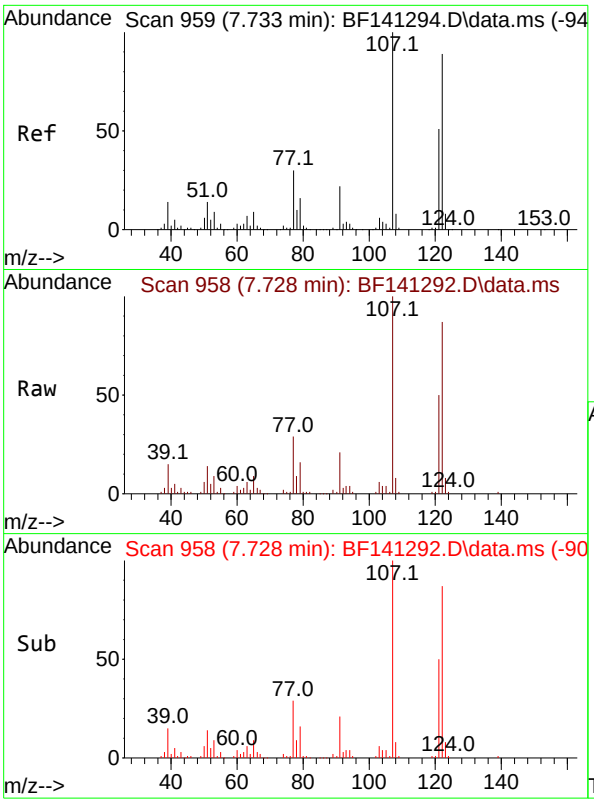


#26
2-Nitrophenol
Concen: 10.167 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 49783

Ion	Ratio	Lower	Upper
139	100		
109	27.8	23.8	35.6
65	54.0	42.2	63.4

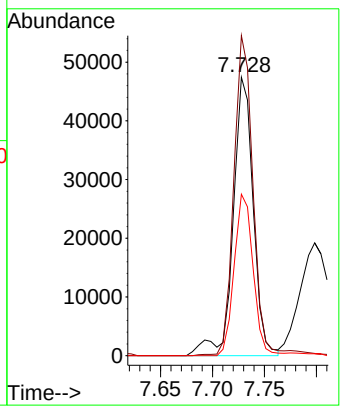




#27
2,4-Dimethylphenol
Concen: 10.177 ng m
RT: 7.728 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 6368

Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.9	134.9
121	58.0	46.1	69.1



Instrument :
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ClientSampleId :
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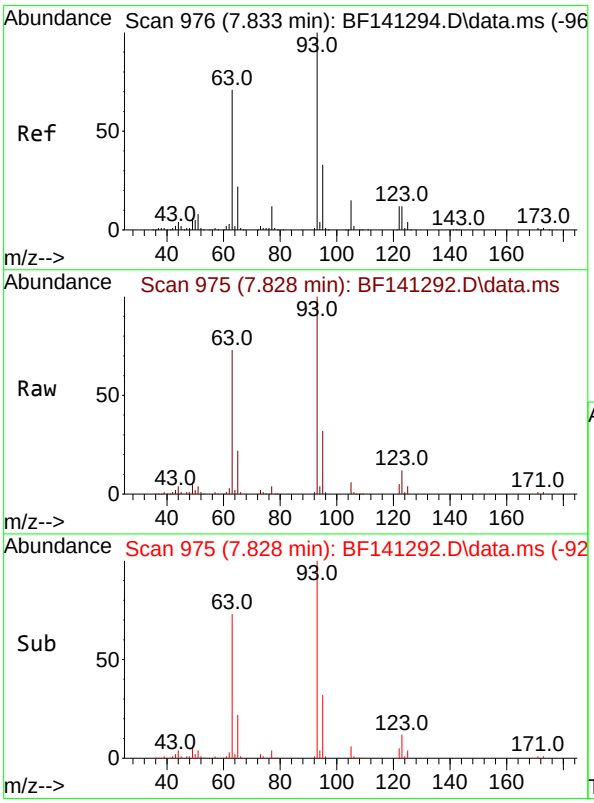
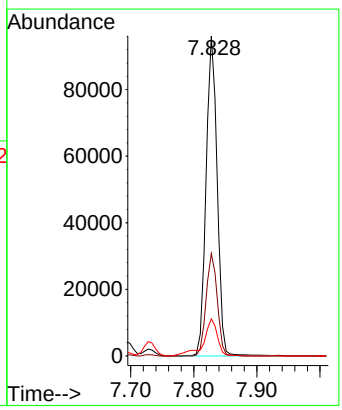
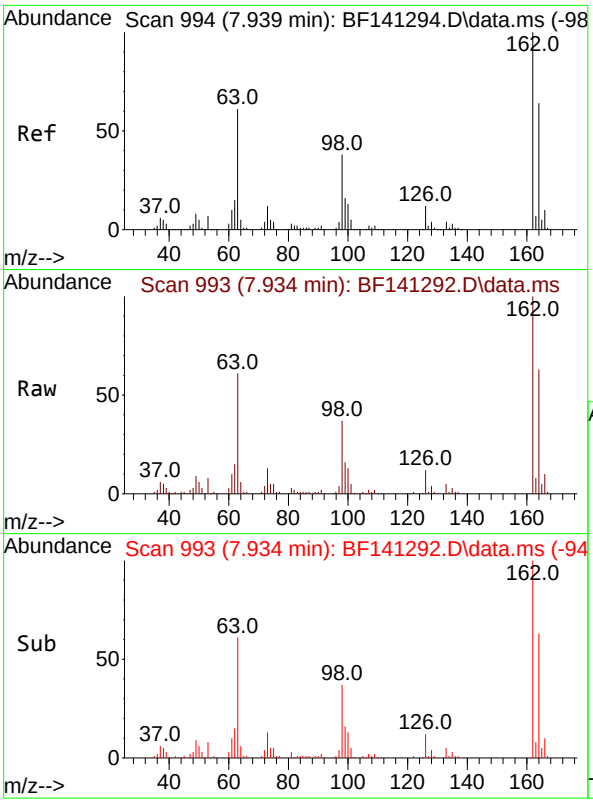


#28
bis(2-Chloroethoxy)methane
Concen: 10.561 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 93 Resp: 117232

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.2	39.2
123	11.6	10.2	15.4

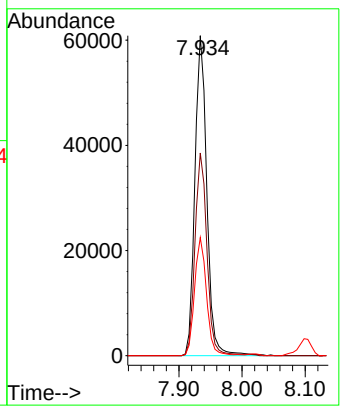




#29
2,4-Dichlorophenol
Concen: 10.457 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 7994

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.2	84.2
98	36.9	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
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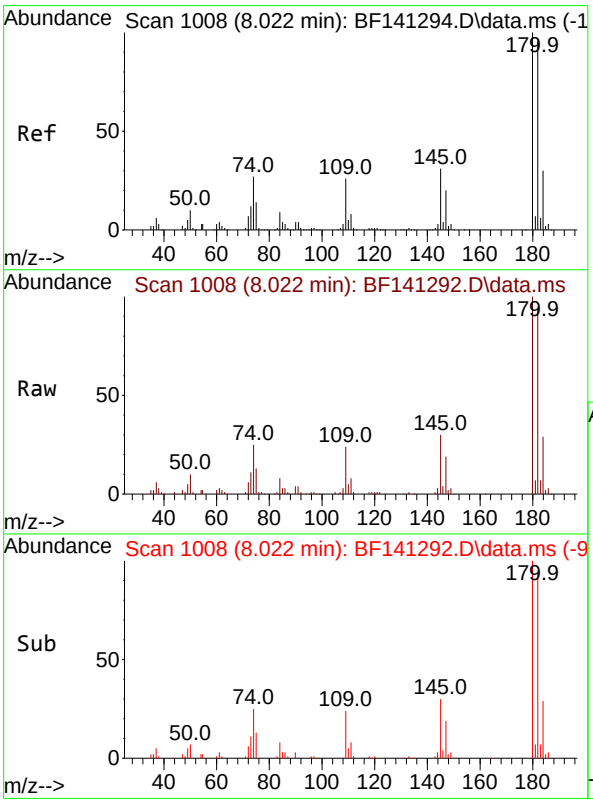
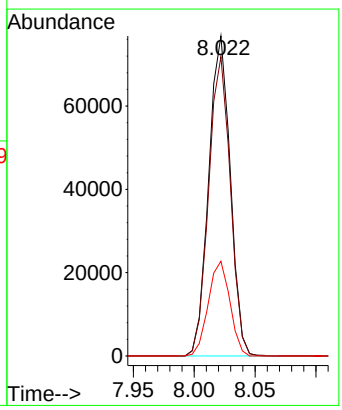
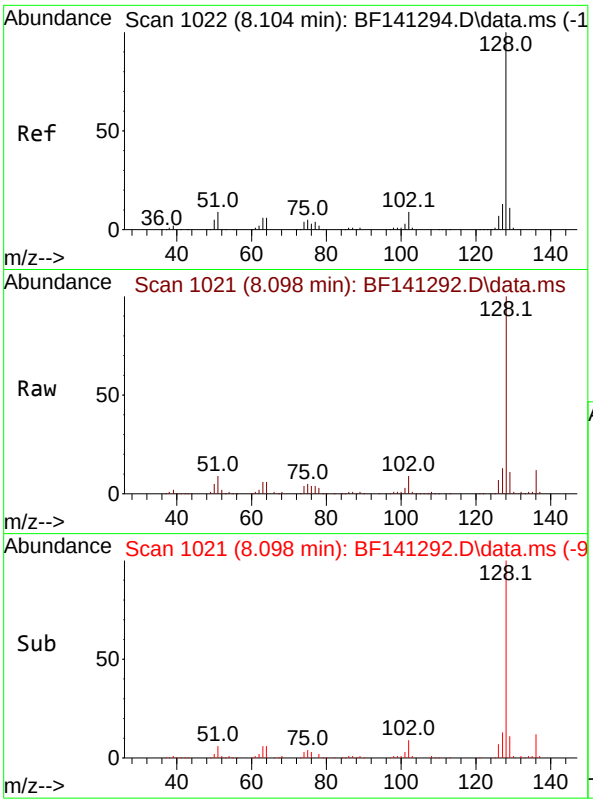


#30
1,2,4-Trichlorobenzene
Concen: 10.767 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:180 Resp: 94419

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.4	114.6
145	29.6	24.9	37.3

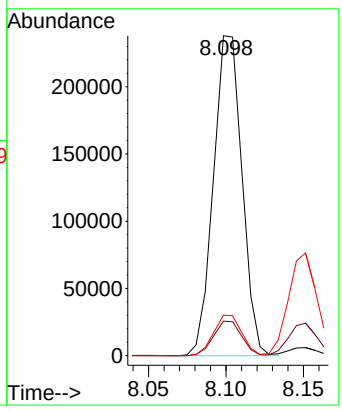




#31
Naphthalene
Concen: 10.887 ng
RT: 8.098 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:128 Resp: 30538(

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	12.7	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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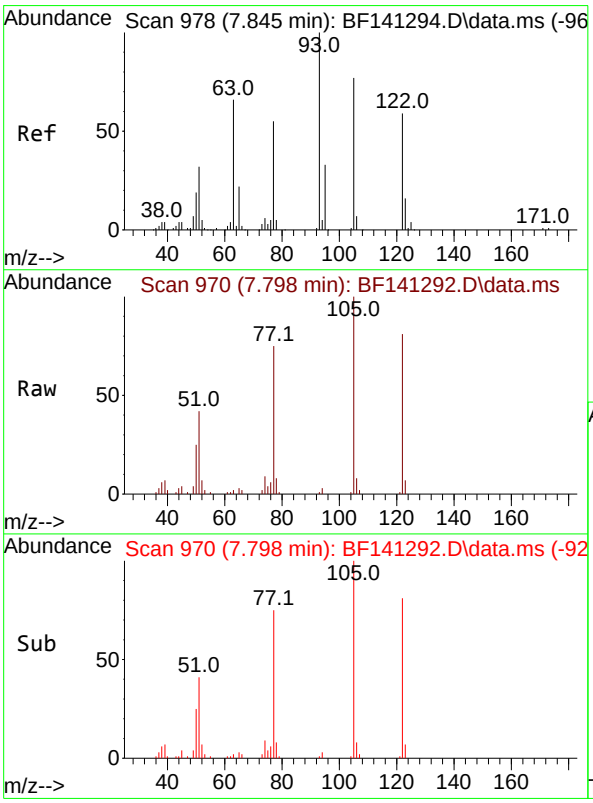
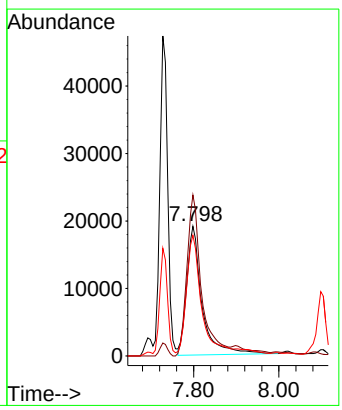
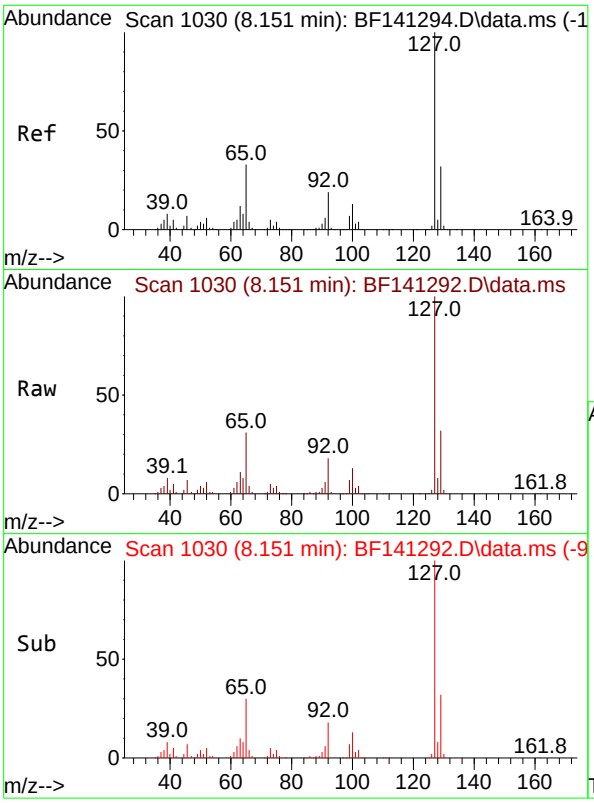


#32
Benzoic acid
Concen: 8.367 ng
RT: 7.798 min Scan# 970
Delta R.T. -0.047 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:122 Resp: 47549

Ion	Ratio	Lower	Upper
122	100		
105	124.1	103.4	143.4
77	93.0	70.9	110.9

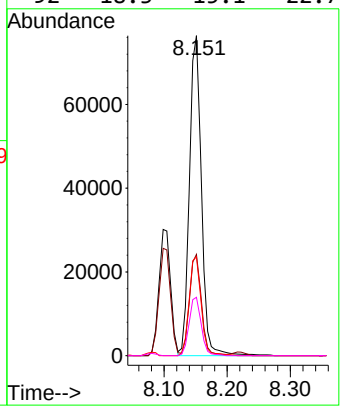




#33
4-Chloroaniline
Concen: 10.703 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:127 Resp: 10085

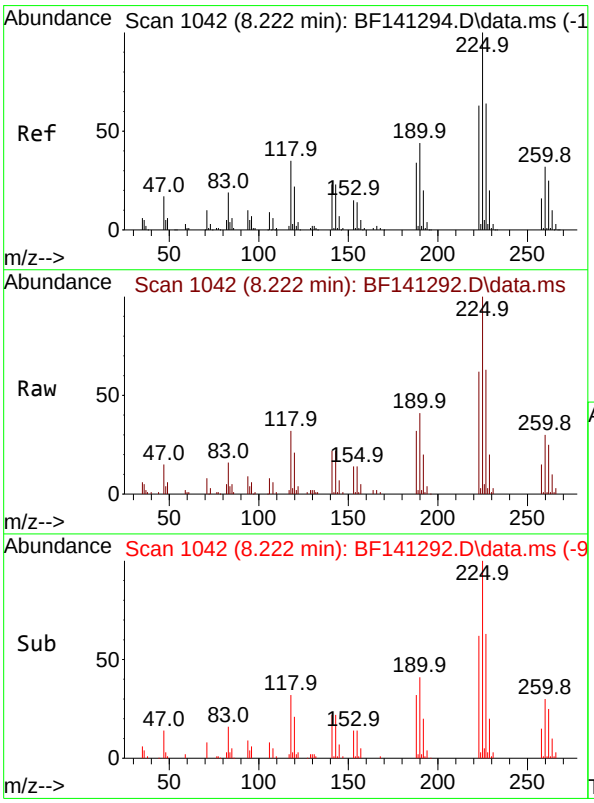
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.7	38.5
65	30.9	26.4	39.6
92	18.3	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

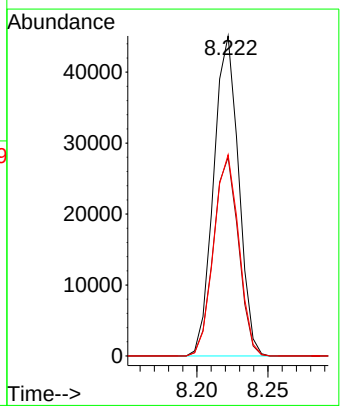
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

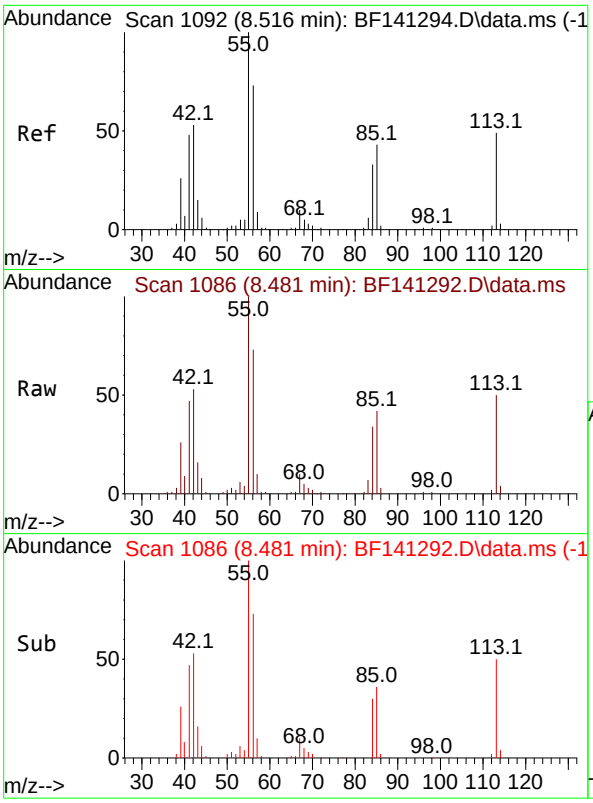


#34
Hexachlorobutadiene
Concen: 10.736 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:225 Resp: 55103

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.4	75.6
227	62.9	51.3	76.9

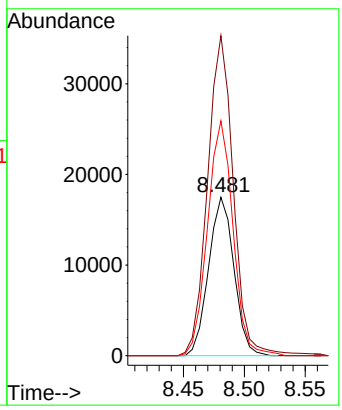




#35
Caprolactam
Concen: 10.256 ng
RT: 8.481 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:113 Resp: 2536

Ion	Ratio	Lower	Upper
113	100		
55	201.9	182.9	222.9
56	148.2	127.9	167.9



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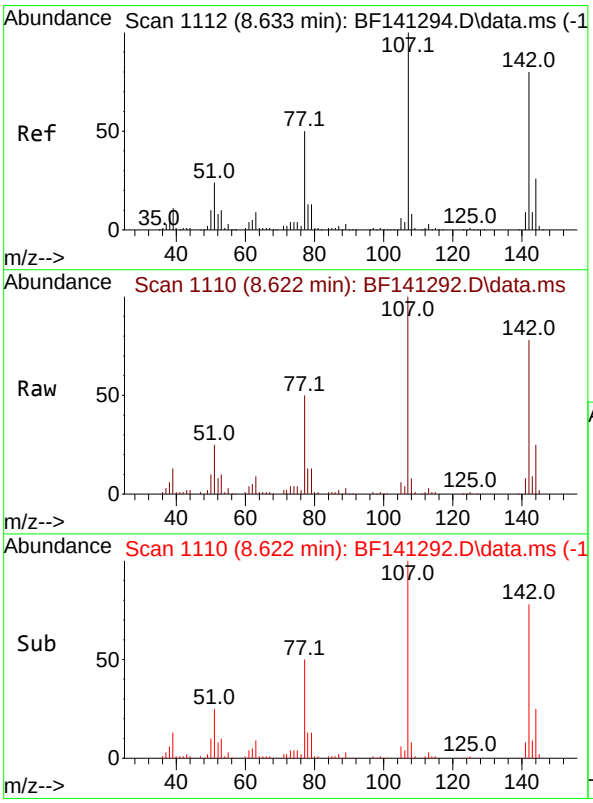
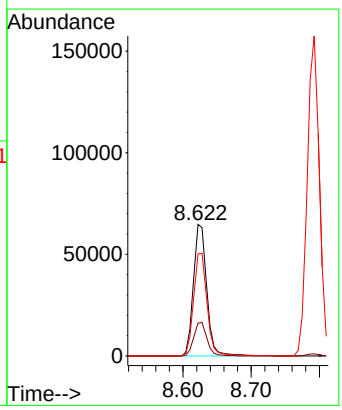
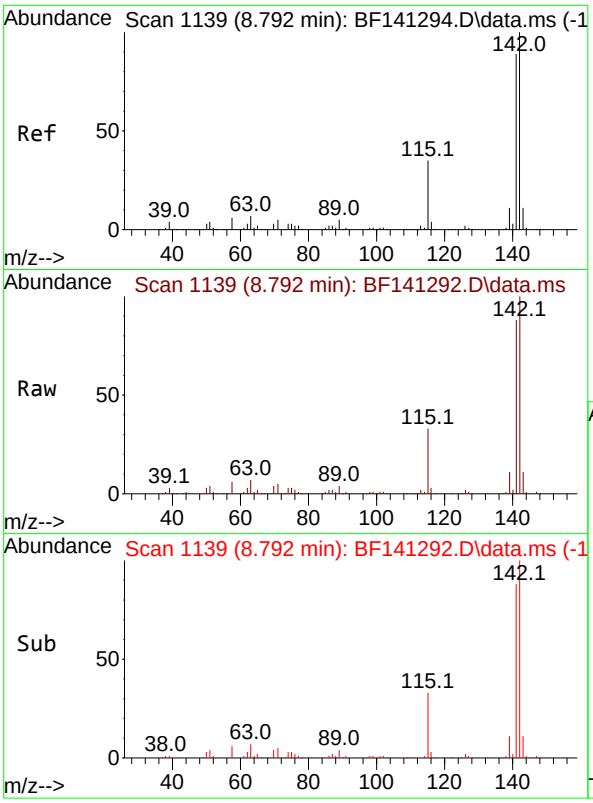


#36
4-Chloro-3-methylphenol
Concen: 10.674 ng
RT: 8.622 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:107 Resp: 87592

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.7	31.1
142	77.6	63.8	95.8

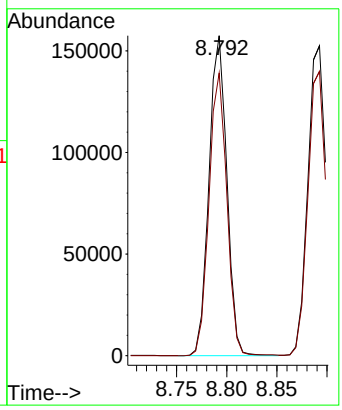




#37
2-Methylnaphthalene
Concen: 10.925 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 19516

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.3	106.9



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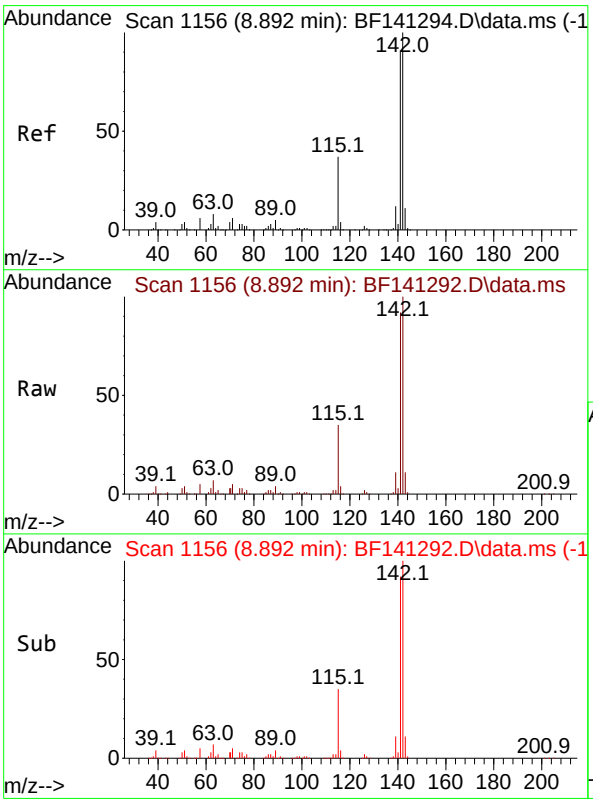
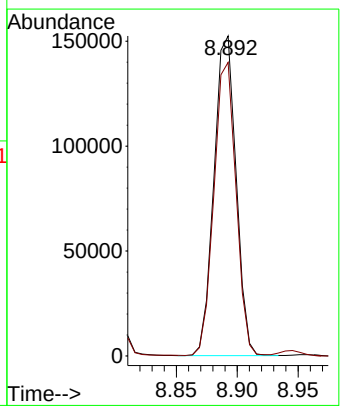
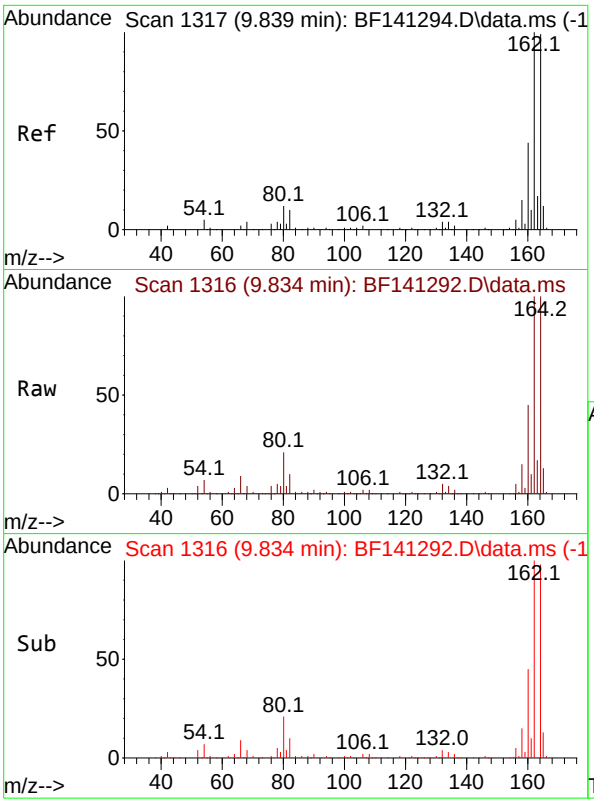


#38
1-Methylnaphthalene
Concen: 11.022 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:142 Resp: 192861

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8

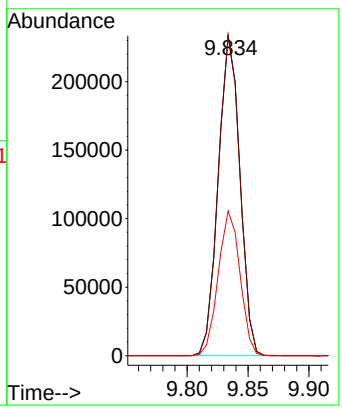




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:164 Resp: 28955

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	45.2	35.8	53.6



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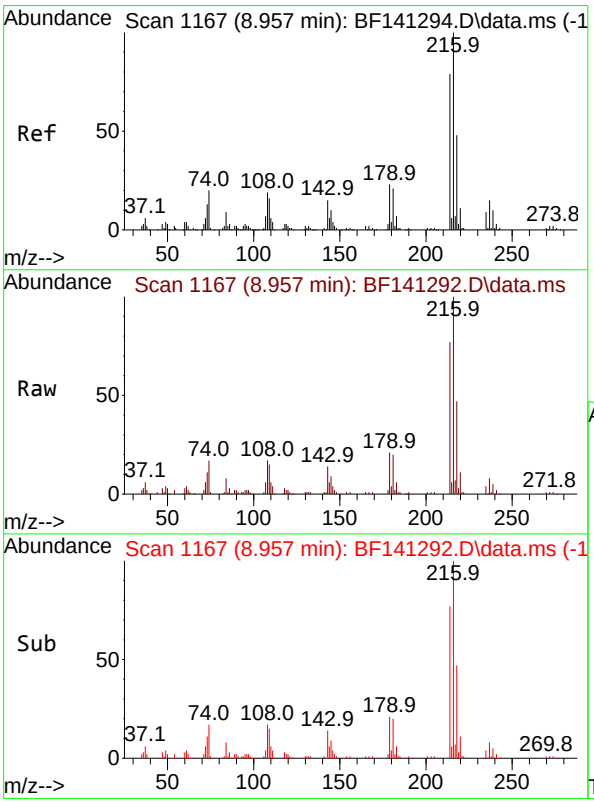
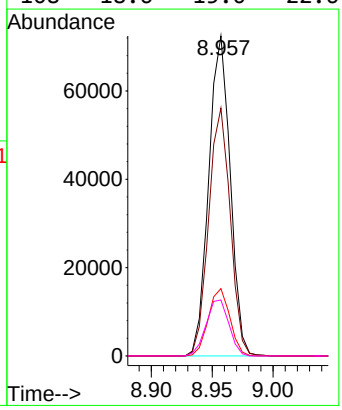
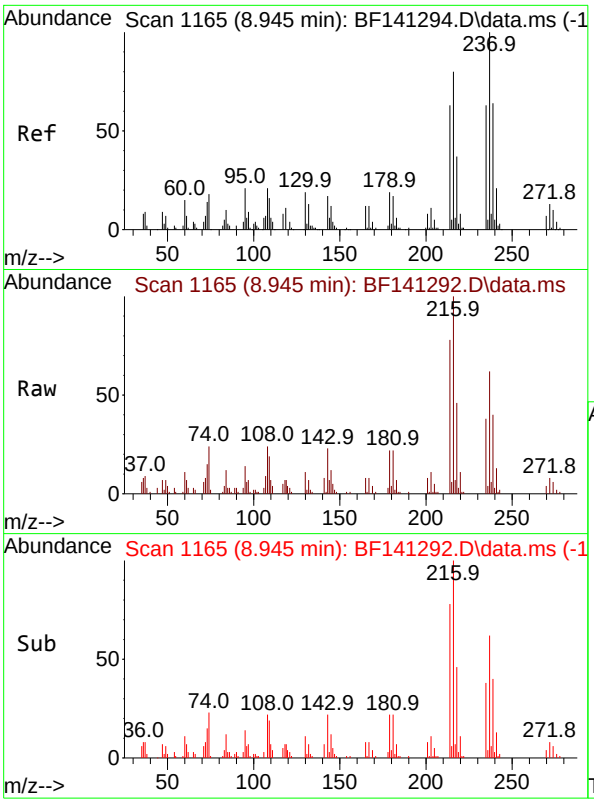


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.775 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:216 Resp: 88710

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	21.1	17.8	26.8
108	18.6	15.0	22.6

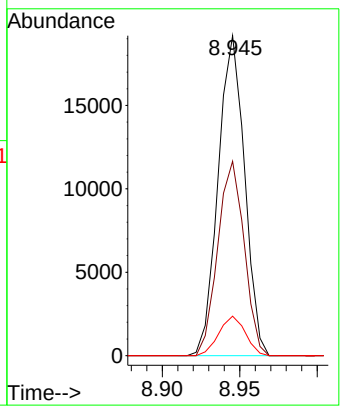




#41
Hexachlorocyclopentadiene
Concen: 9.212 ng
RT: 8.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:237 Resp: 2275

Ion	Ratio	Lower	Upper
237	100		
235	60.8	42.9	82.9
272	12.3	0.0	32.8



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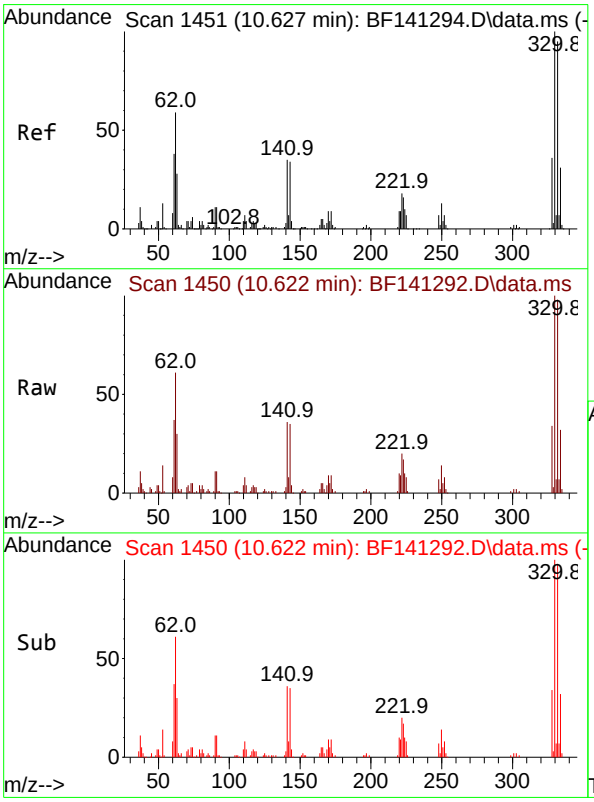
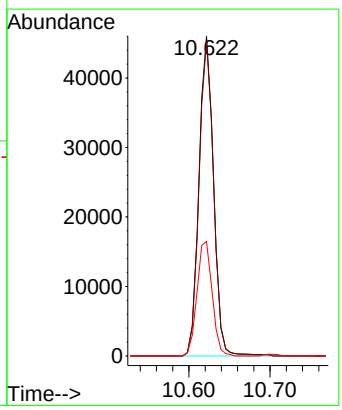
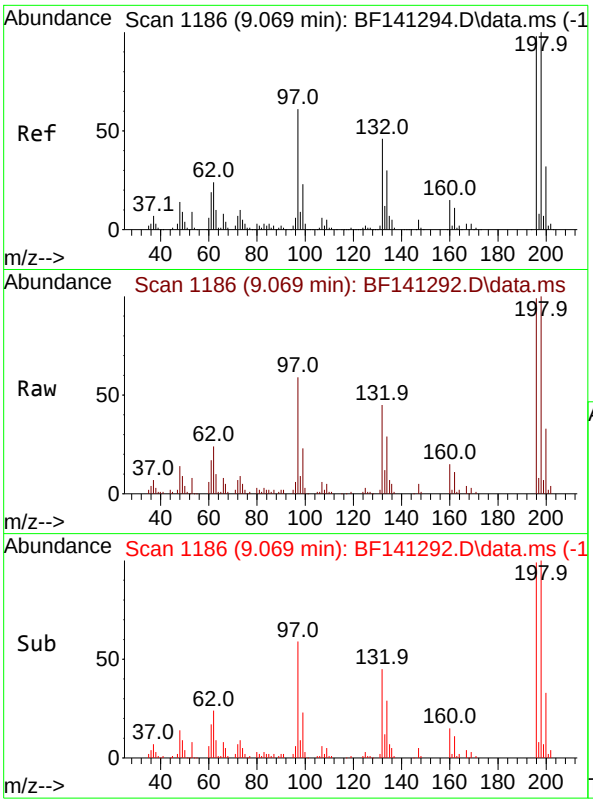


#42
2,4,6-Tribromophenol
Concen: 21.761 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:330 Resp: 57417

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.1	114.1
141	37.3	28.8	43.2

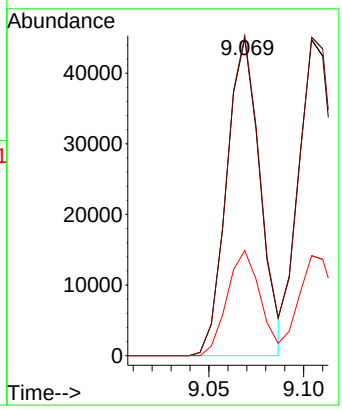




#43
2,4,6-Trichlorophenol
Concen: 10.241 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 5503

Ion	Ratio	Lower	Upper
196	100		
198	101.0	81.8	122.6
200	33.2	26.3	39.5



Instrument :
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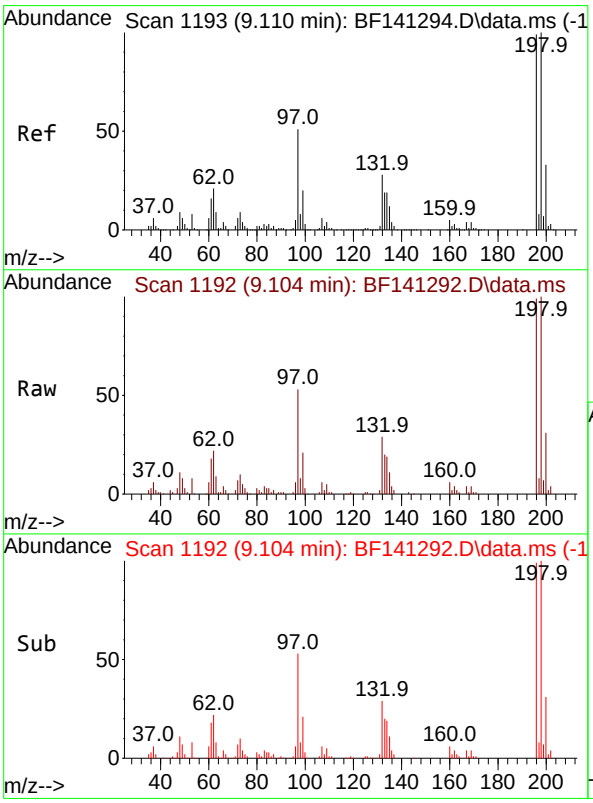
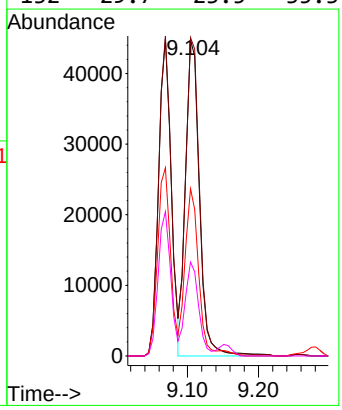
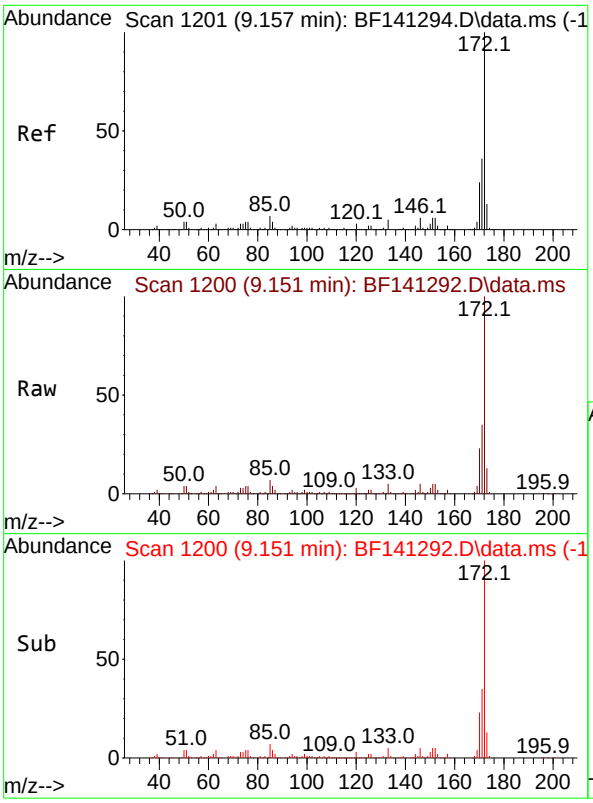


#44
2,4,5-Trichlorophenol
Concen: 10.518 ng
RT: 9.104 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:196 Resp: 61493

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.5	120.7
97	52.9	42.8	64.2
132	29.7	23.5	35.3





#45
2-Fluorobiphenyl
Concen: 22.581 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:172 Resp: 42385

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	23.1	19.0	28.6

Instrument :
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ClientSampleId :
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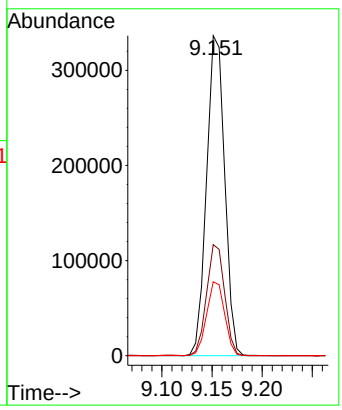
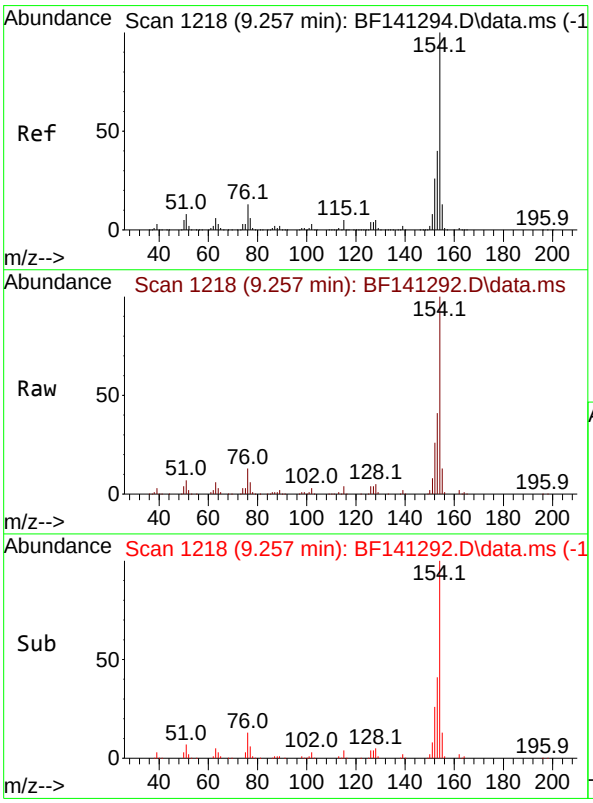
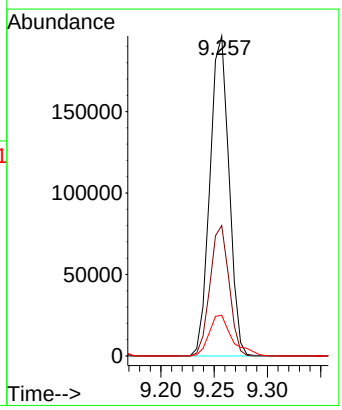


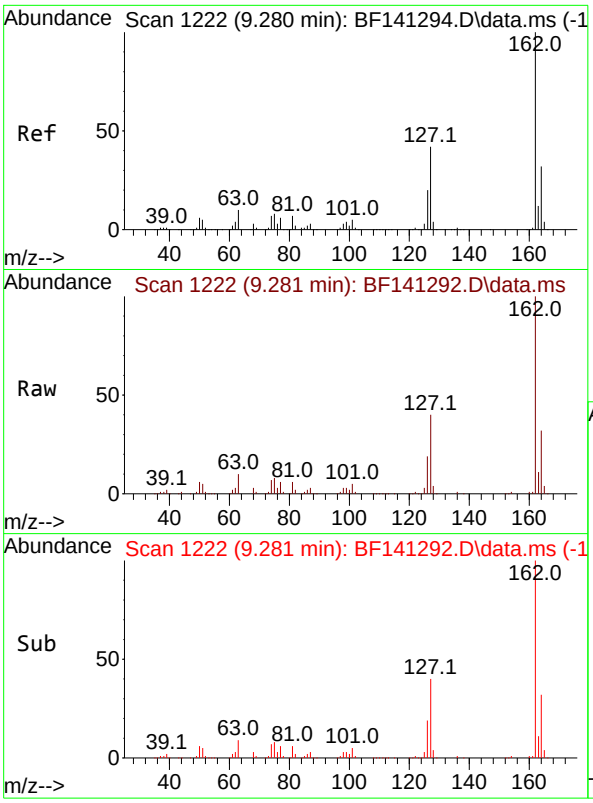


#46
1,1'-Biphenyl
Concen: 10.847 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 245028

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.0	60.0
76	12.7	0.0	32.8

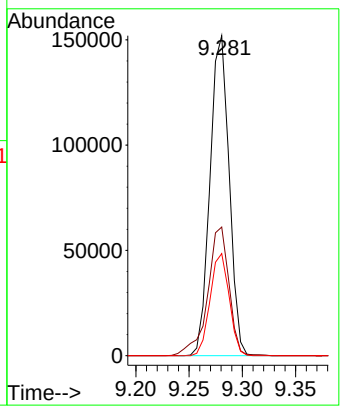




#47
2-Chloronaphthalene
Concen: 10.812 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:162 Resp: 189709

Ion	Ratio	Lower	Upper
162	100		
127	40.2	33.7	50.5
164	31.9	25.9	38.9



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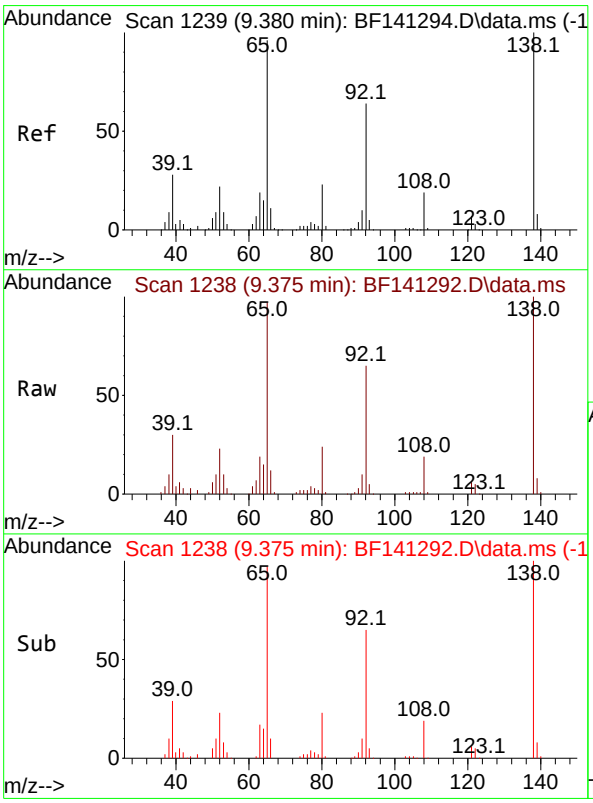
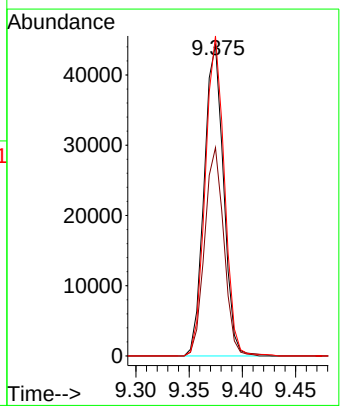
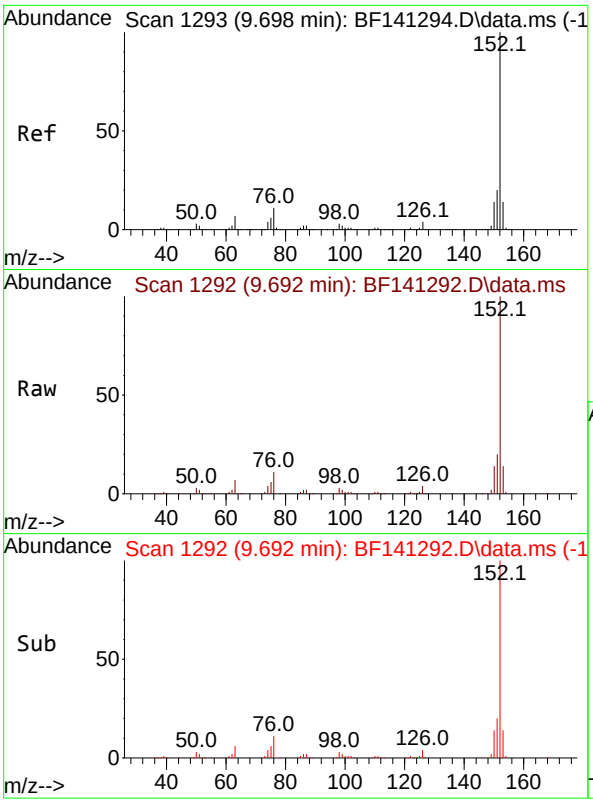


#48
2-Nitroaniline
Concen: 10.164 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 65 Resp: 56247

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.3	79.9
138	102.9	83.6	125.4

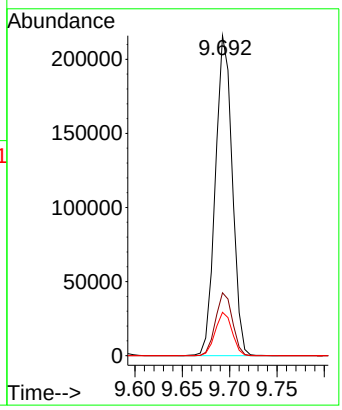




#49
Acenaphthylene
Concen: 10.895 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:152 Resp: 26847

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.6	11.0	16.6



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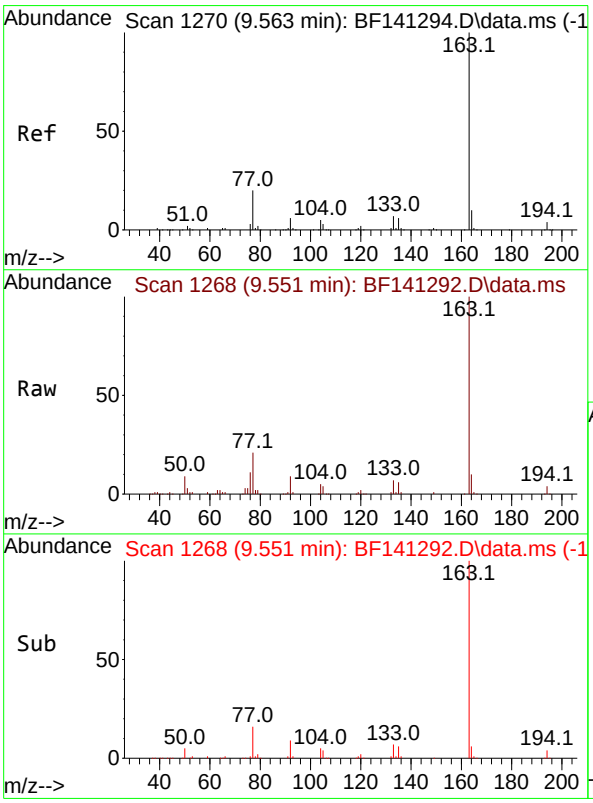
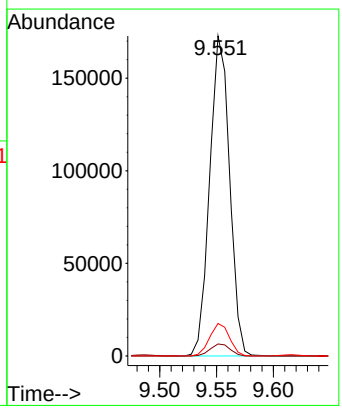
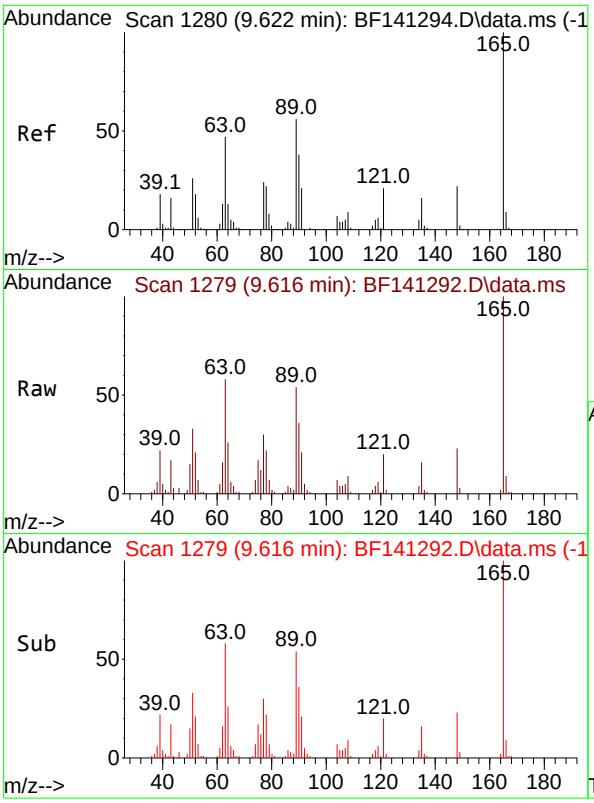


#50
Dimethylphthalate
Concen: 10.857 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:163 Resp: 210816

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.2	8.0	12.0

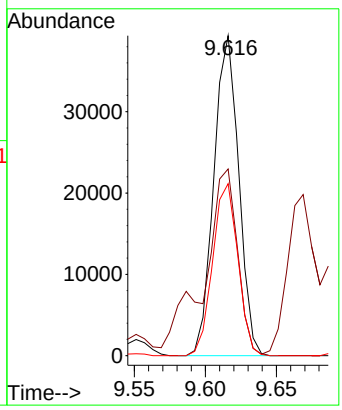




#51
2,6-Dinitrotoluene
Concen: 10.613 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 4795

Ion	Ratio	Lower	Upper
165	100		
63	58.3	48.1	72.1
89	53.7	44.9	67.3



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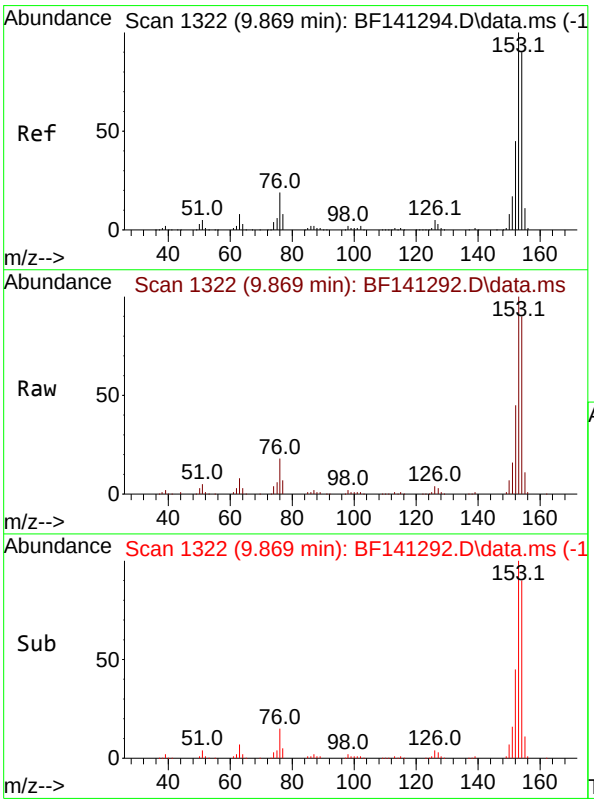
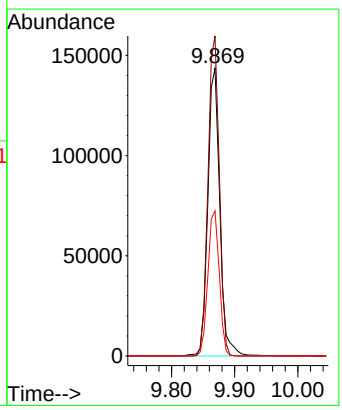
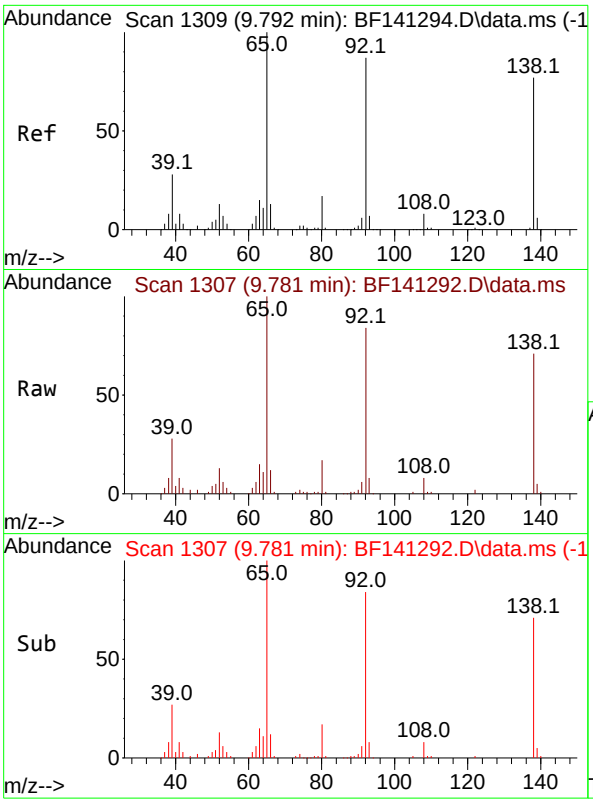


#52
Acenaphthene
Concen: 10.738 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:154 Resp: 188283

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.4	40.2	60.4

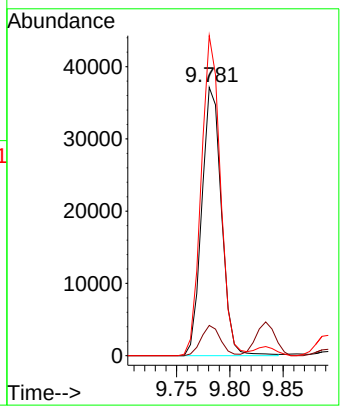




#53
3-Nitroaniline
Concen: 10.699 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 4781

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.6	12.8
92	119.2	91.0	136.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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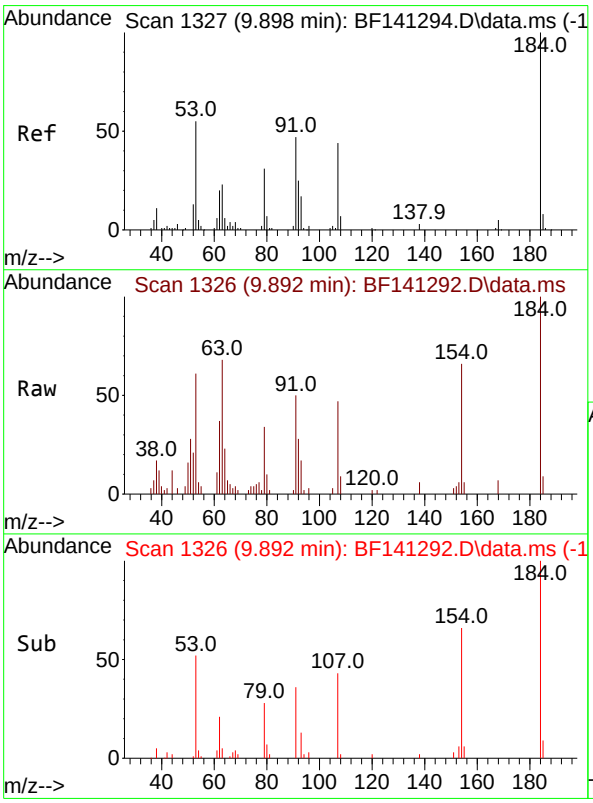
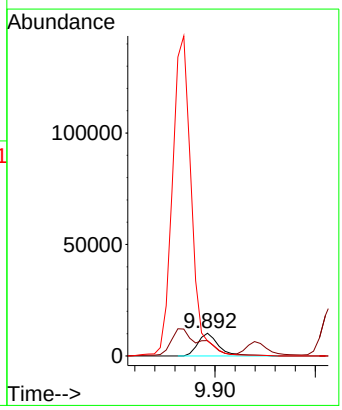
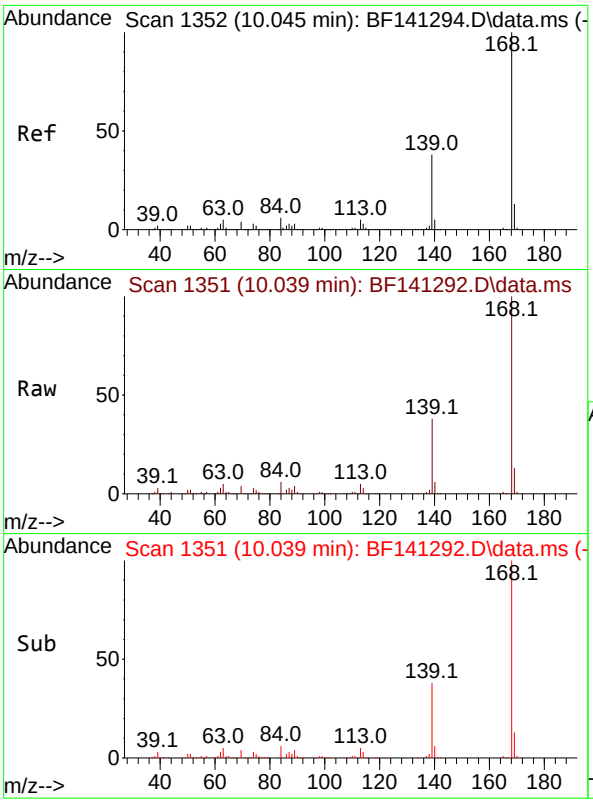


#54
2,4-Dinitrophenol
Concen: 6.925 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 14749

Ion	Ratio	Lower	Upper
184	100		
63	67.9	54.1	81.1
154	66.2	50.7	76.1

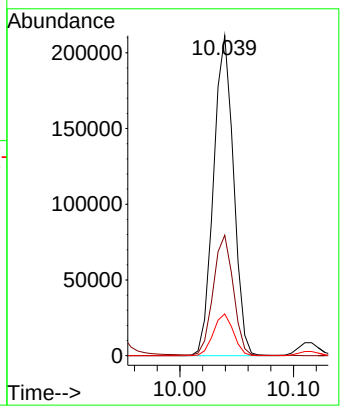




#55
Dibenzofuran
Concen: 11.038 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:168 Resp: 25883

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	46.0
169	13.1	10.8	16.2



Instrument :
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ClientSampleId :
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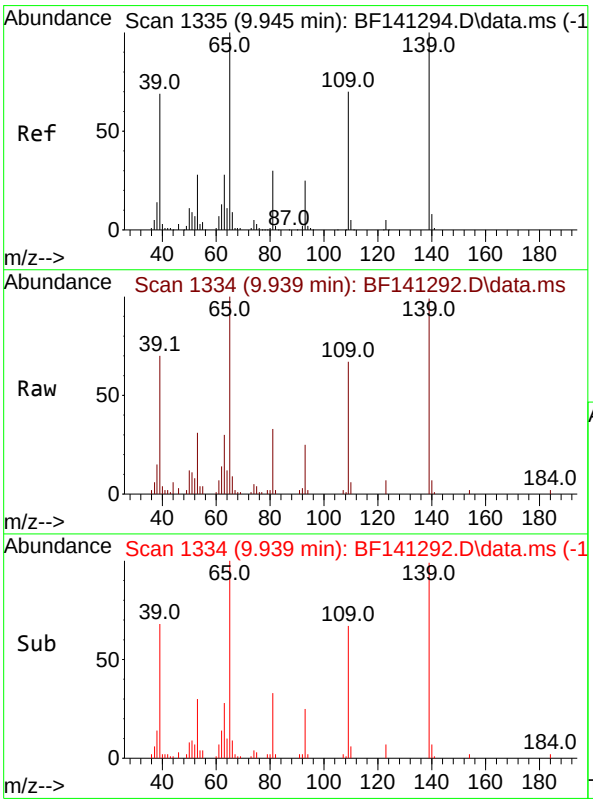
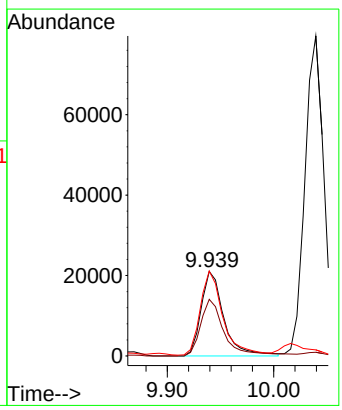
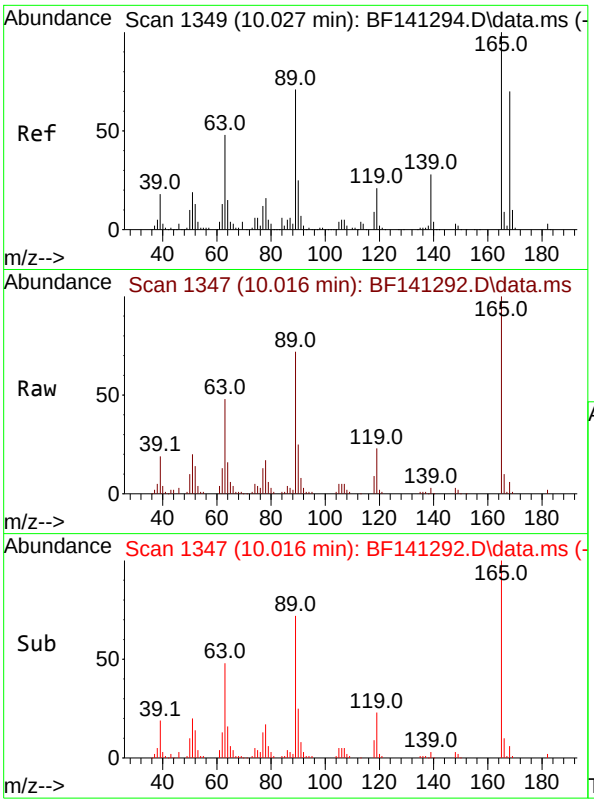


#56
4-Nitrophenol
Concen: 9.722 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:139 Resp: 31196

Ion	Ratio	Lower	Upper
139	100		
109	67.1	50.2	90.2
65	100.6	80.6	120.6

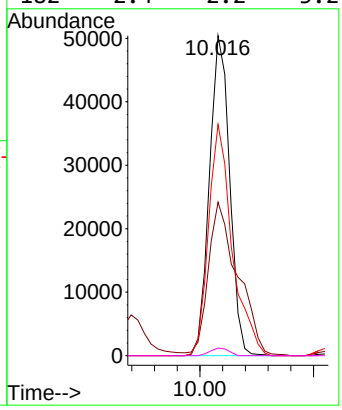




#57
2,4-Dinitrotoluene
Concen: 10.710 ng
RT: 10.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:165 Resp: 6241

Ion	Ratio	Lower	Upper
165	100		
63	48.0	39.2	58.8
89	72.2	56.9	85.3
182	2.4	2.2	3.2



Instrument :
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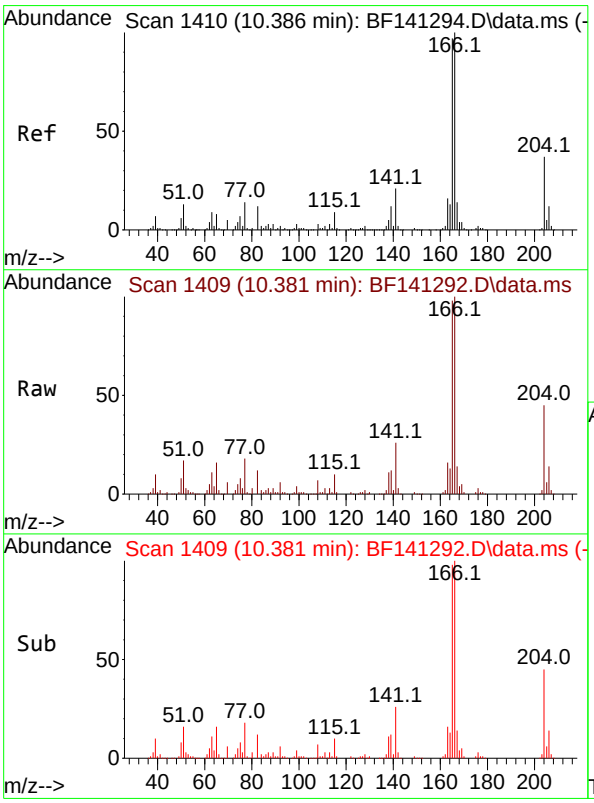
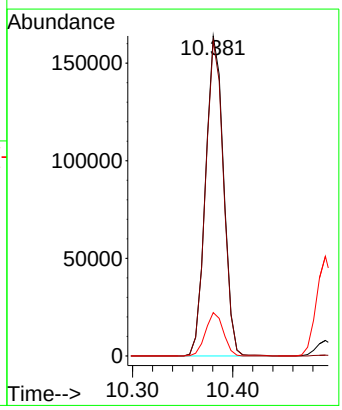
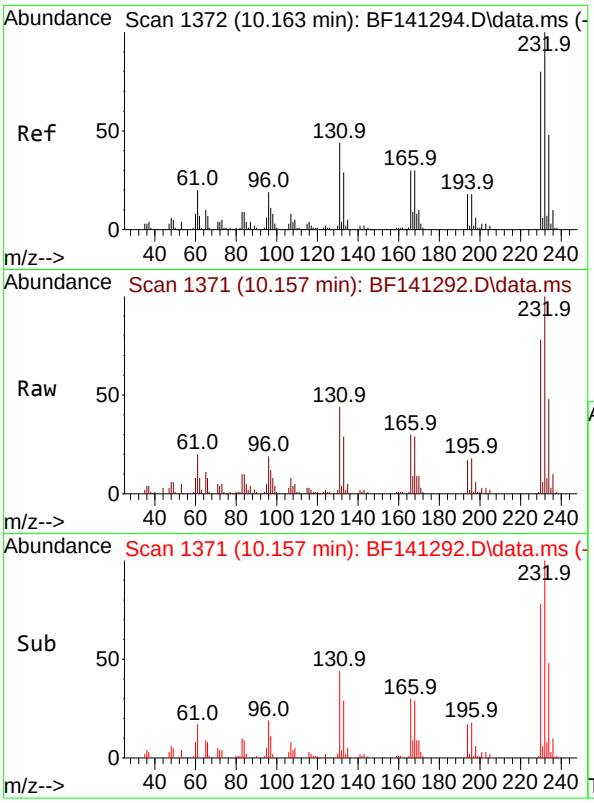


#58
Fluorene
Concen: 11.197 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:166 Resp: 204141

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.5	116.3
167	13.6	10.9	16.3

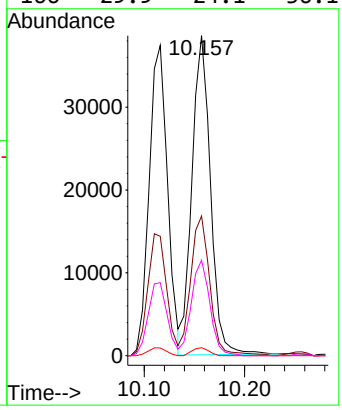




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.737 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:232 Resp: 4959

Ion	Ratio	Lower	Upper
232	100		
131	45.2	36.4	54.6
130	2.2	1.9	2.9
166	29.9	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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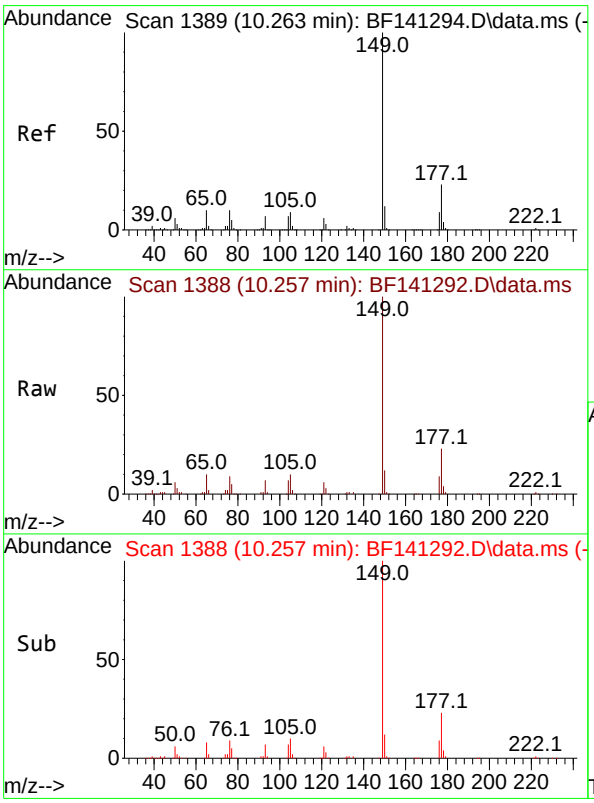
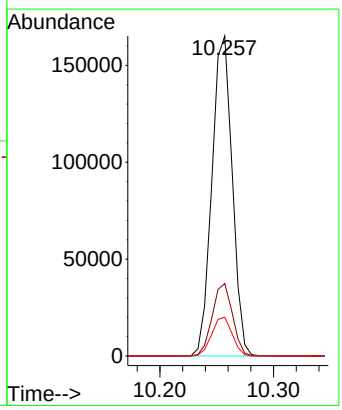
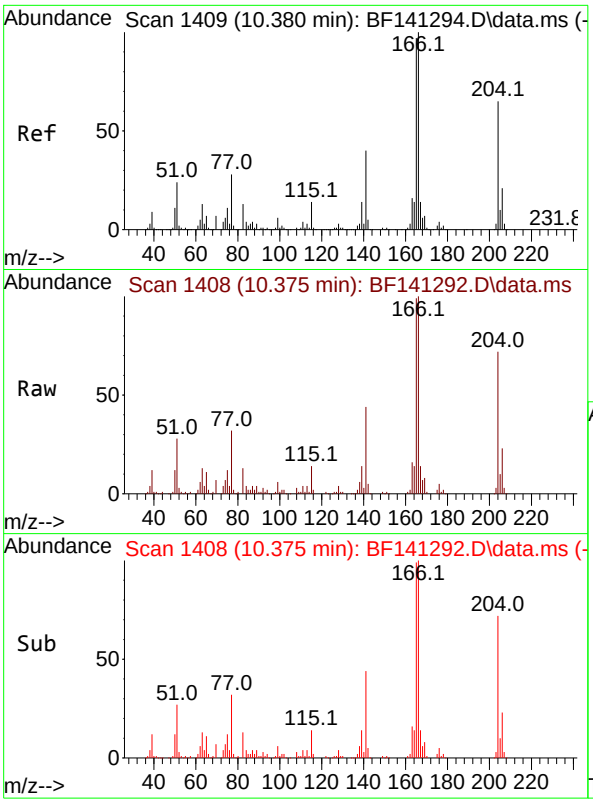


#60
Diethylphthalate
Concen: 10.908 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 205131

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.5	27.7
150	12.1	10.0	15.0

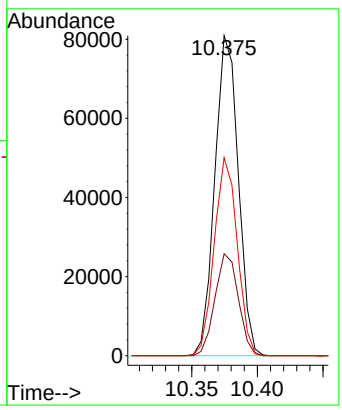




#61
4-Chlorophenyl-phenylether
Concen: 11.294 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:204 Resp: 10048

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.9	38.9
141	61.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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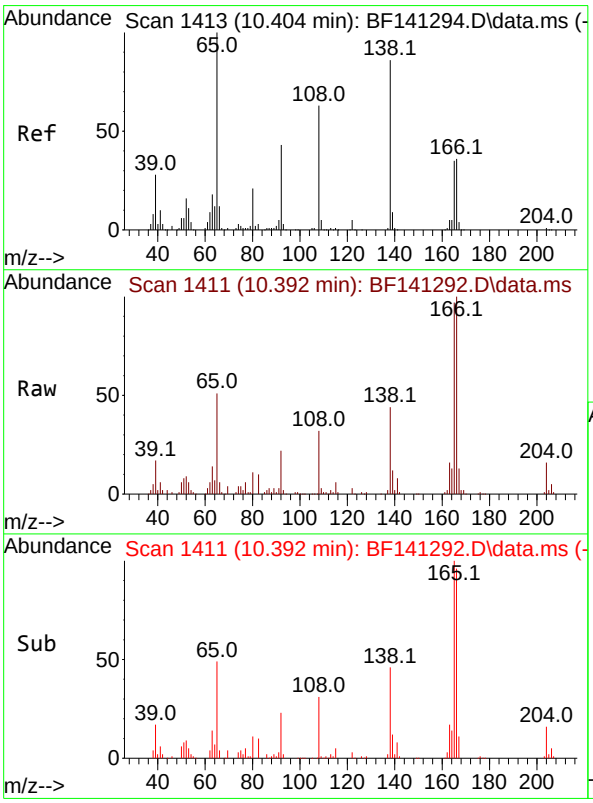
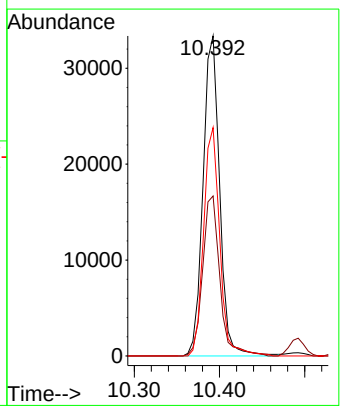
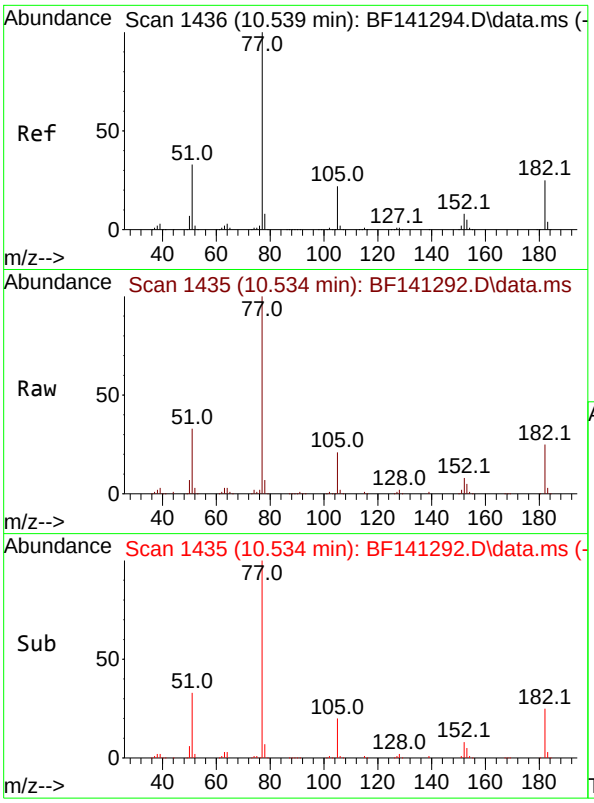


#62
4-Nitroaniline
Concen: 10.533 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:138 Resp: 45222

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.1	70.1
108	71.3	53.1	93.1

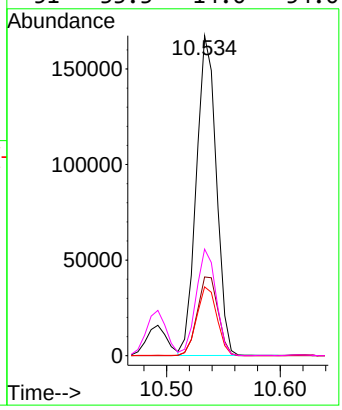




#63
Azobenzene
Concen: 10.839 ng
RT: 10.534 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion: 77 Resp: 20430

Ion	Ratio	Lower	Upper
77	100		
182	24.6	5.1	45.1
105	21.5	1.8	41.8
51	33.3	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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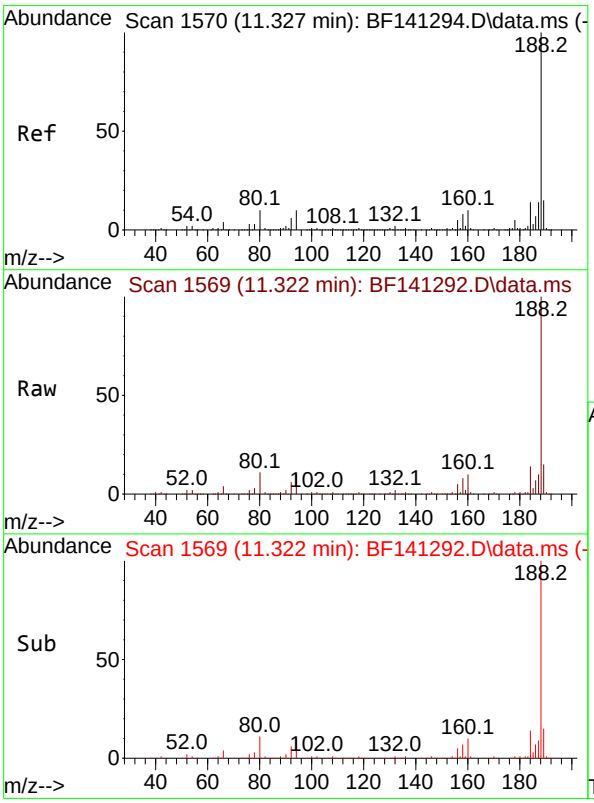
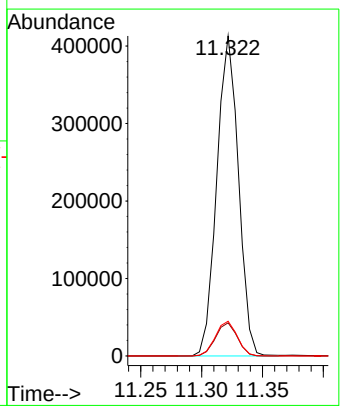
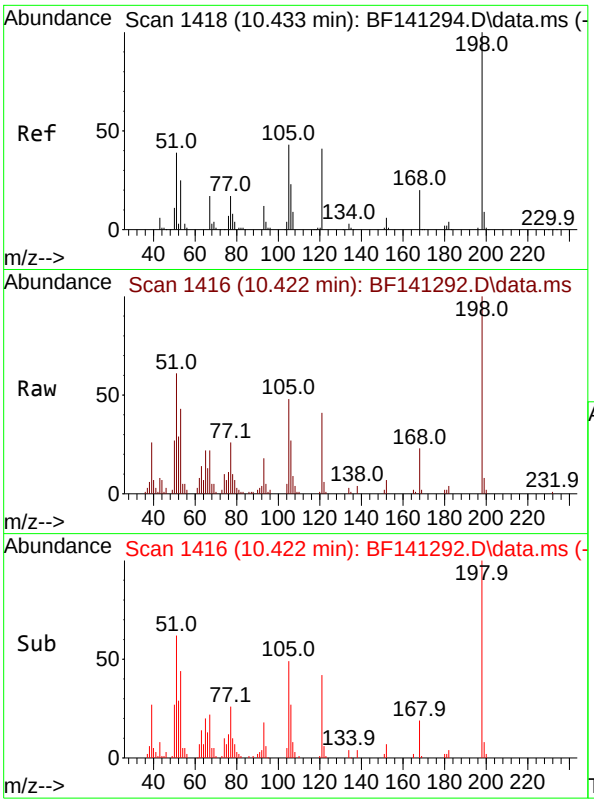


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:188 Resp: 510795

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.9	8.2	12.4

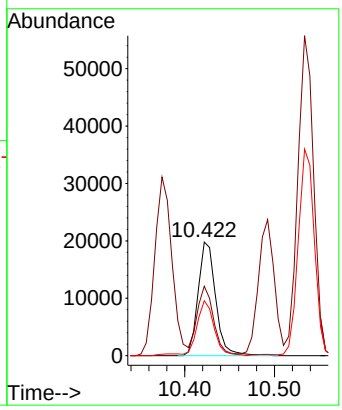




#65
4,6-Dinitro-2-methylphenol
Concen: 8.831 ng
RT: 10.422 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:198 Resp: 2693

Ion	Ratio	Lower	Upper
198	100		
51	61.2	33.4	73.4
105	48.3	24.4	64.4



Instrument :
BNA_F
ClientSampleId :
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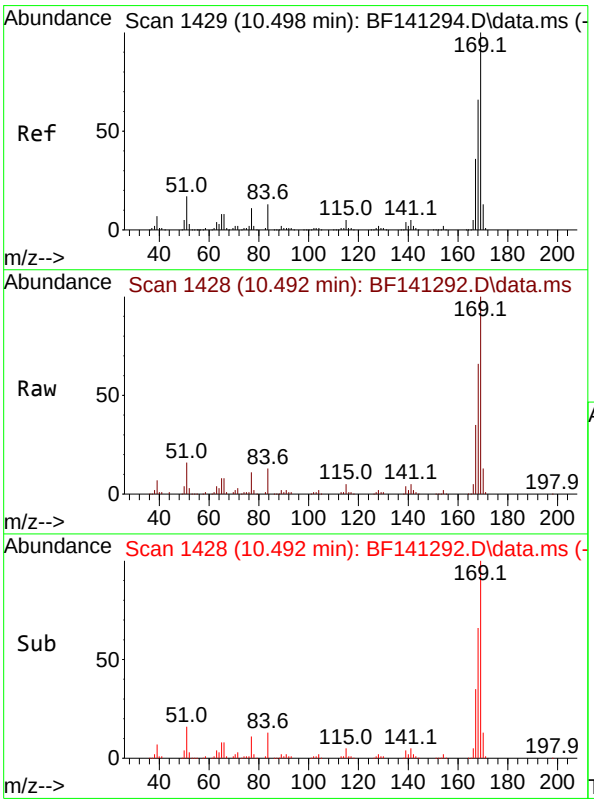
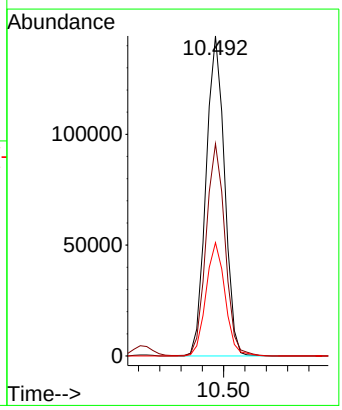
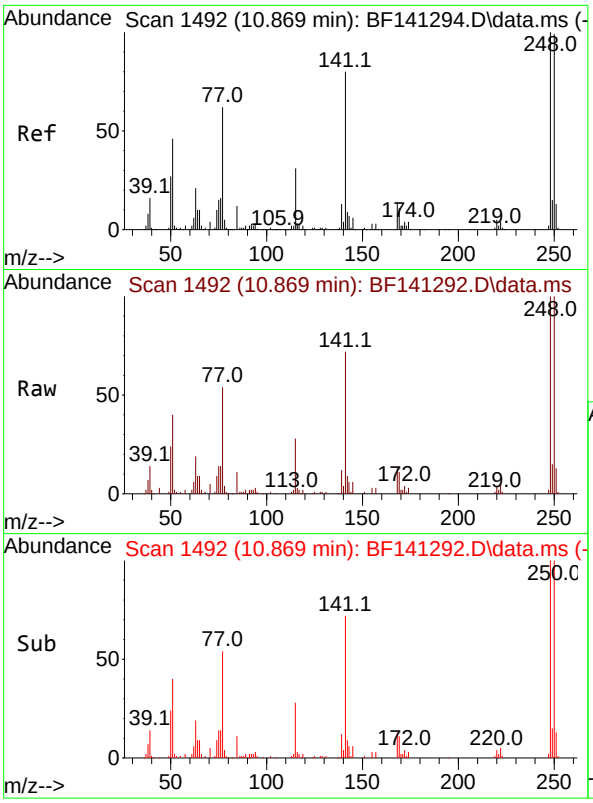


#66
n-Nitrosodiphenylamine
Concen: 10.544 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:169 Resp: 174617

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	35.4	28.8	43.2

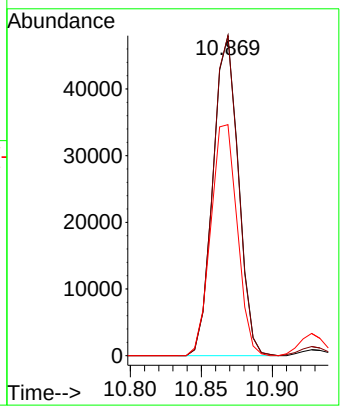




#67
4-Bromophenyl-phenylether
Concen: 10.468 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:248 Resp: 5977

Ion	Ratio	Lower	Upper
248	100		
250	100.0	79.0	118.4
141	72.2	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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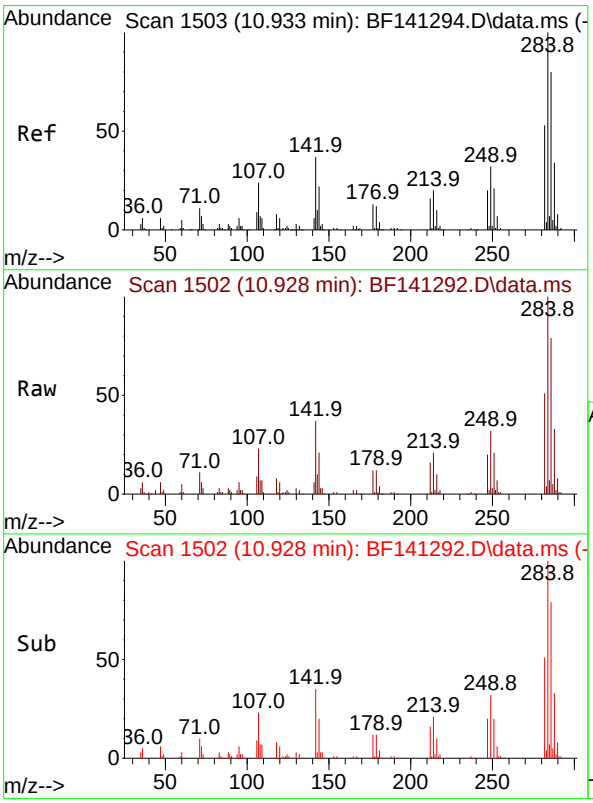
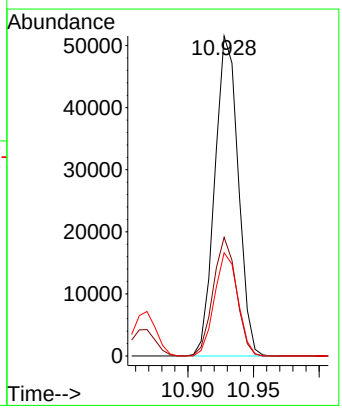
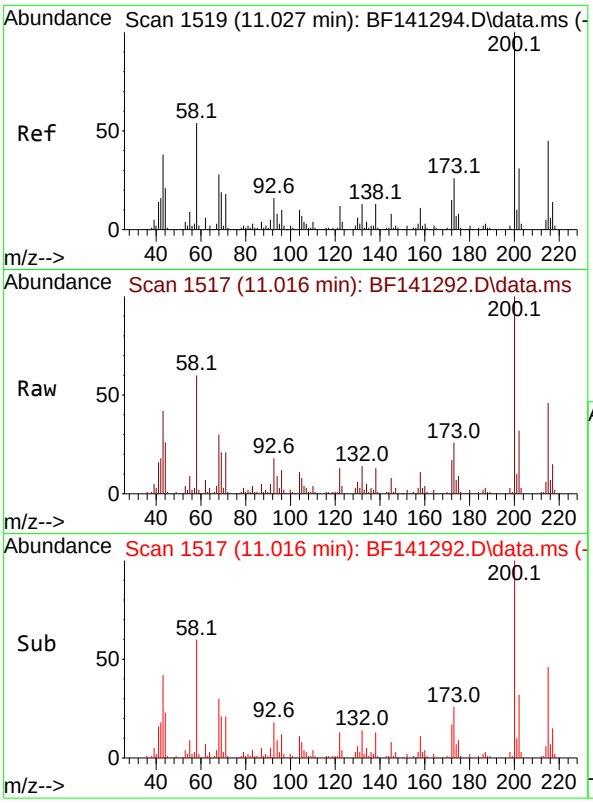


#68
Hexachlorobenzene
Concen: 10.551 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:284 Resp: 63908

Ion	Ratio	Lower	Upper
284	100		
142	37.0	29.5	44.3
249	32.2	25.4	38.2

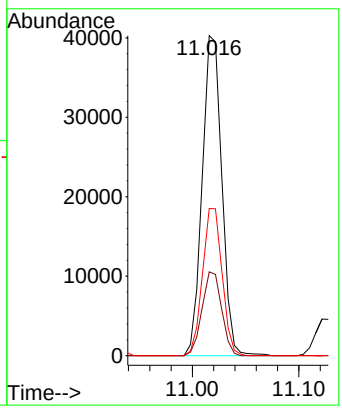




#69
Atrazine
Concen: 9.295 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:200 Resp: 5163

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.0	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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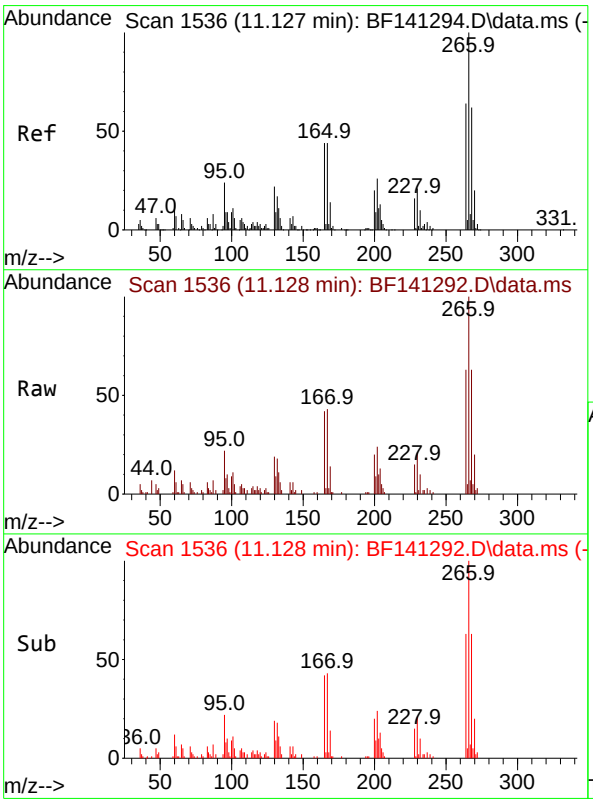
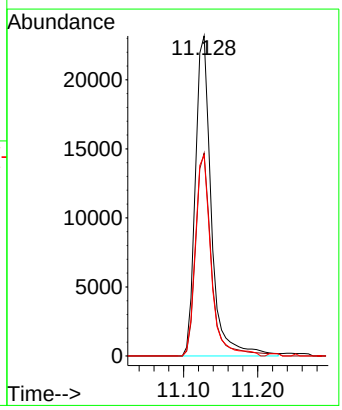
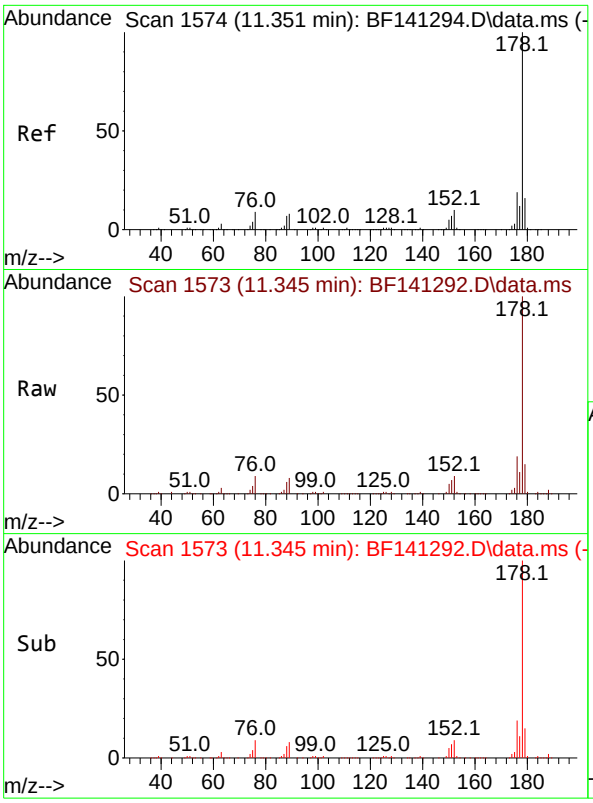


#70
Pentachlorophenol
Concen: 9.796 ng
RT: 11.128 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:266 Resp: 34788

Ion	Ratio	Lower	Upper
266	100		
268	63.4	49.9	74.9
264	62.7	51.0	76.4

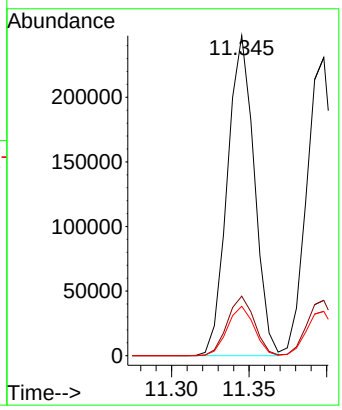




#71
Phenanthrene
Concen: 10.893 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 29889

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.4	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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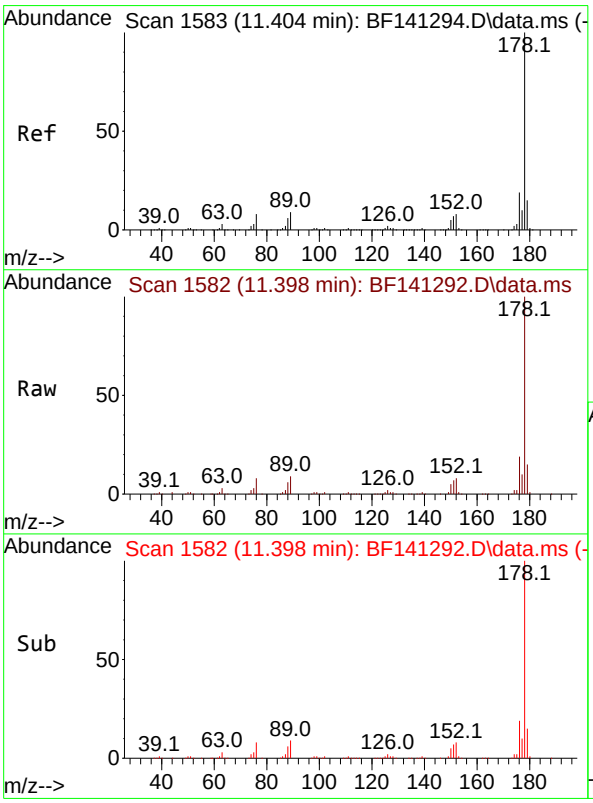
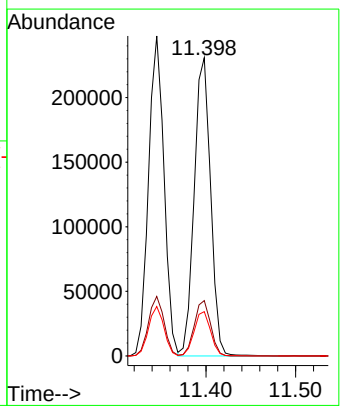
Supervised By :mohammad ahmed 02/04/2025

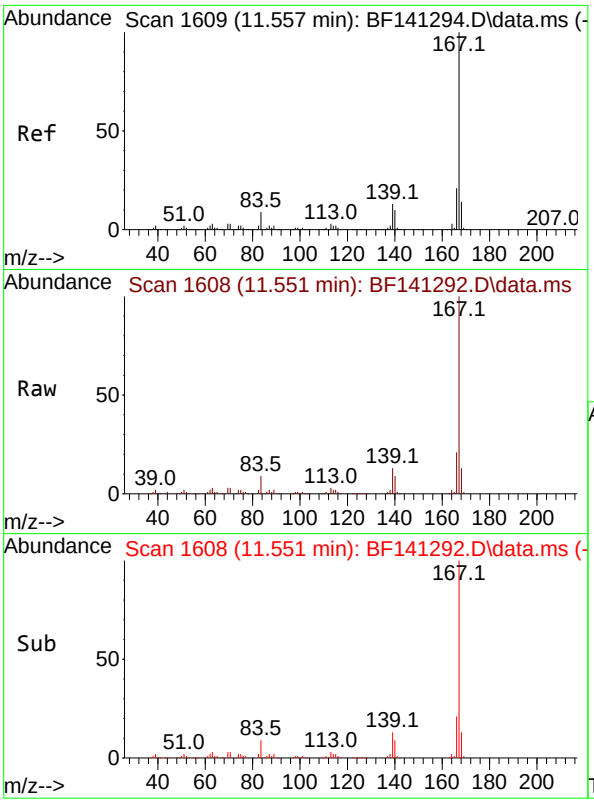


#72
Anthracene
Concen: 10.940 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:178 Resp: 292813

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	14.9	12.3	18.5

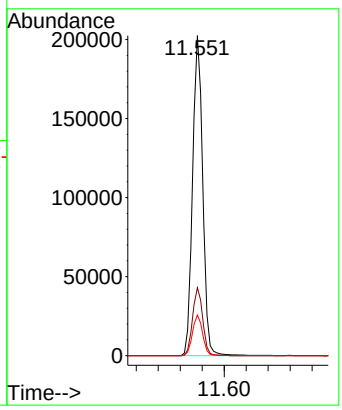




#73
Carbazole
Concen: 10.919 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:167 Resp: 25885

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.6	16.0



Instrument :
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ClientSampleId :
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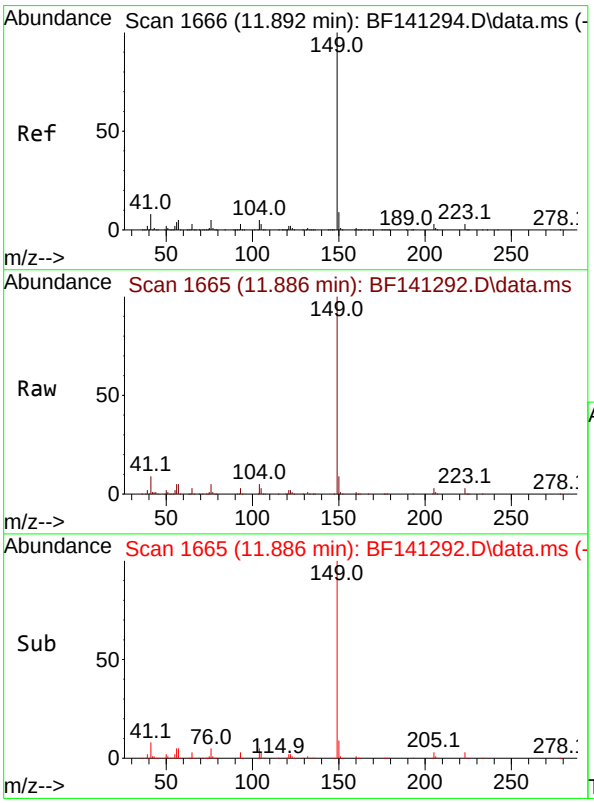
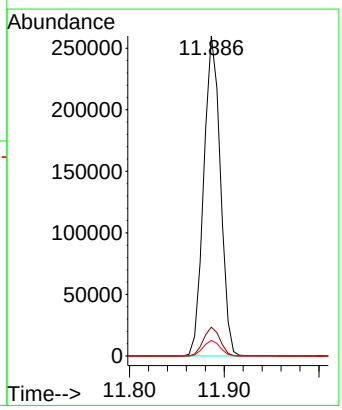
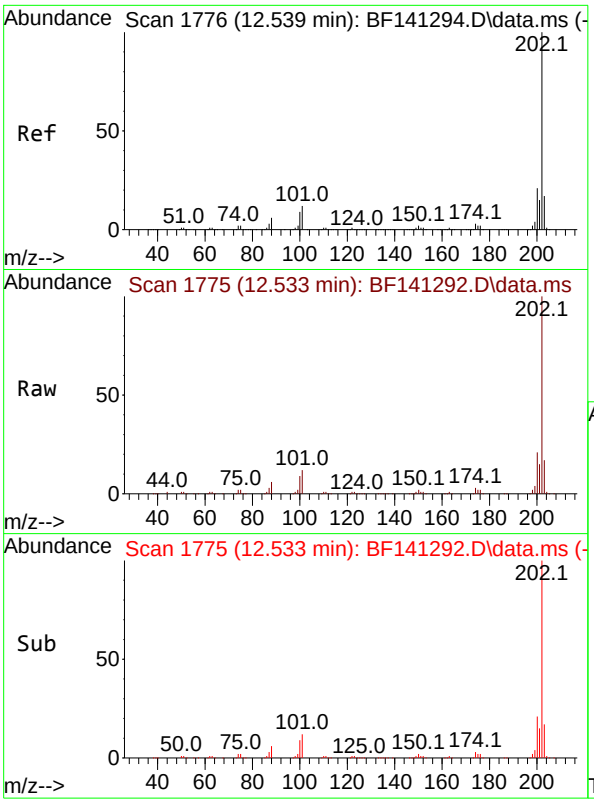


#74
Di-n-butylphthalate
Concen: 11.070 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 316336

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9

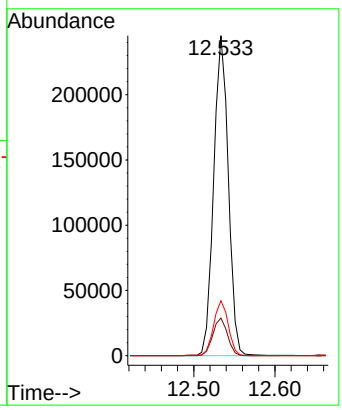




#75
Fluoranthene
Concen: 11.462 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 30696

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.1	0.0	37.5



Instrument :
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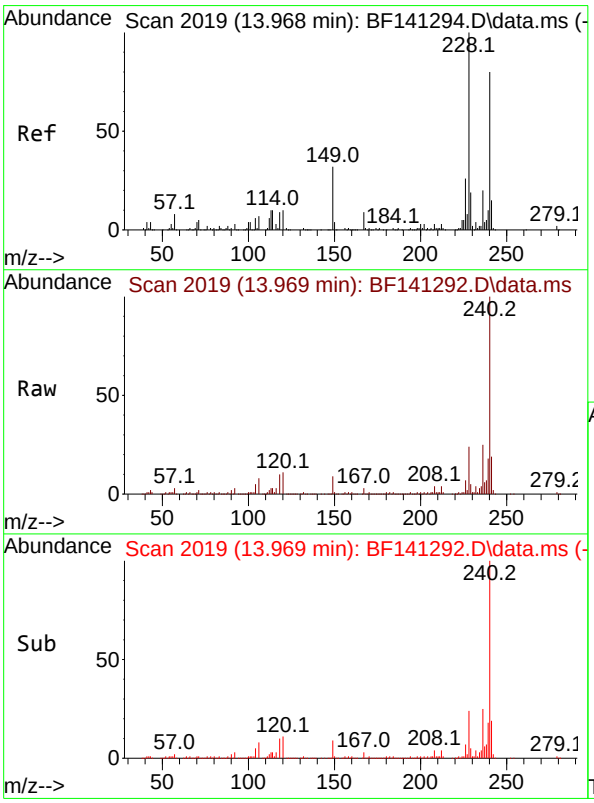
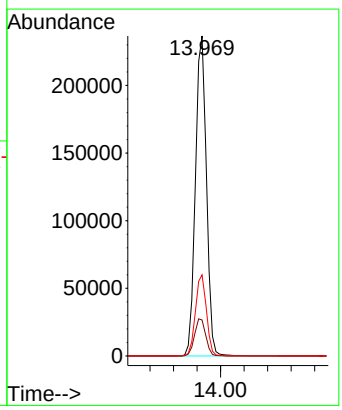
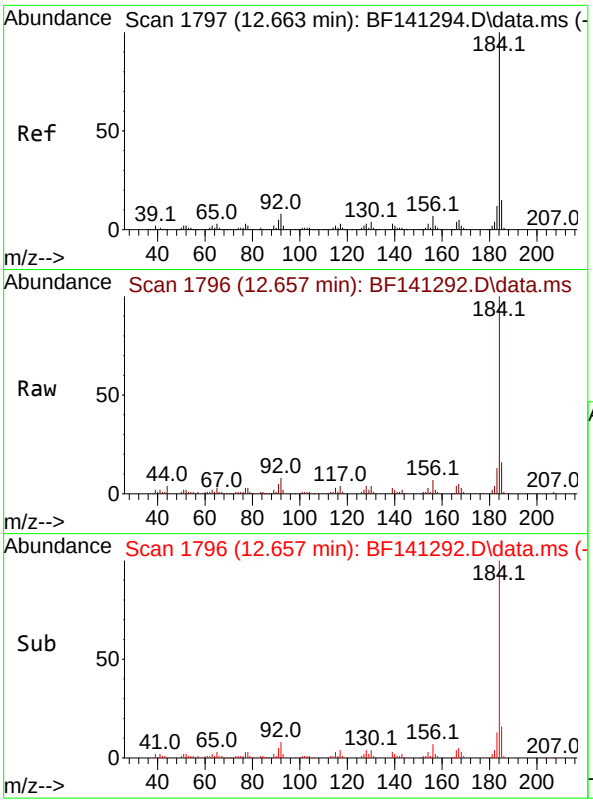


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:240 Resp: 308114

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.4	19.7	29.5

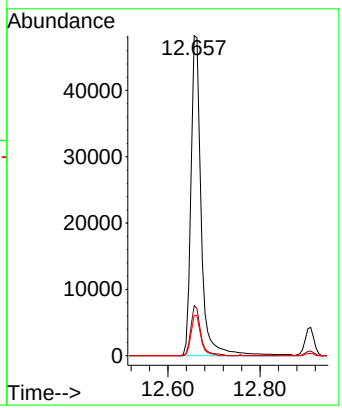




#77
Benzidine
Concen: 7.890 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:184 Resp: 7391

Ion	Ratio	Lower	Upper
184	100		
185	15.6	11.9	17.9
183	12.6	9.5	14.3



Instrument :
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ClientSampleId :
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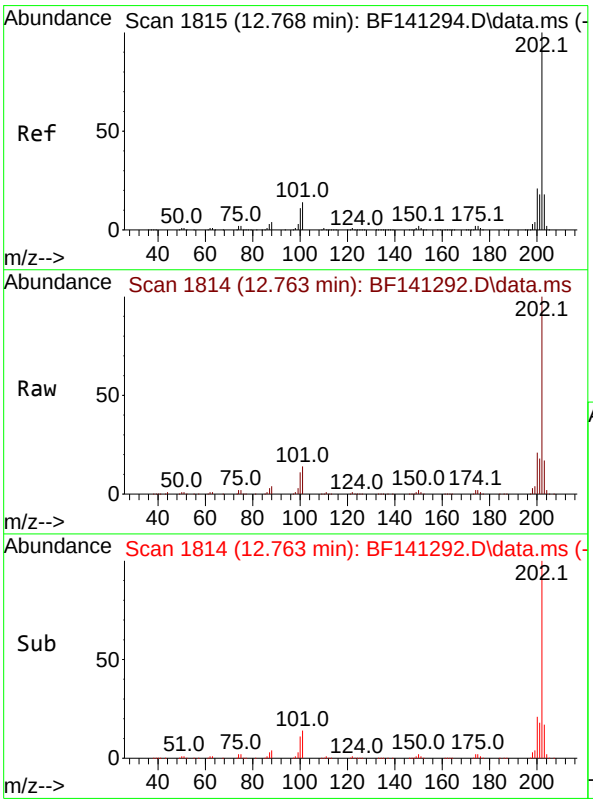
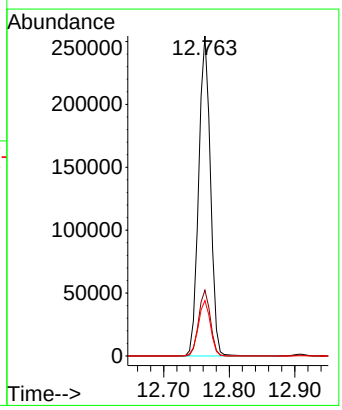
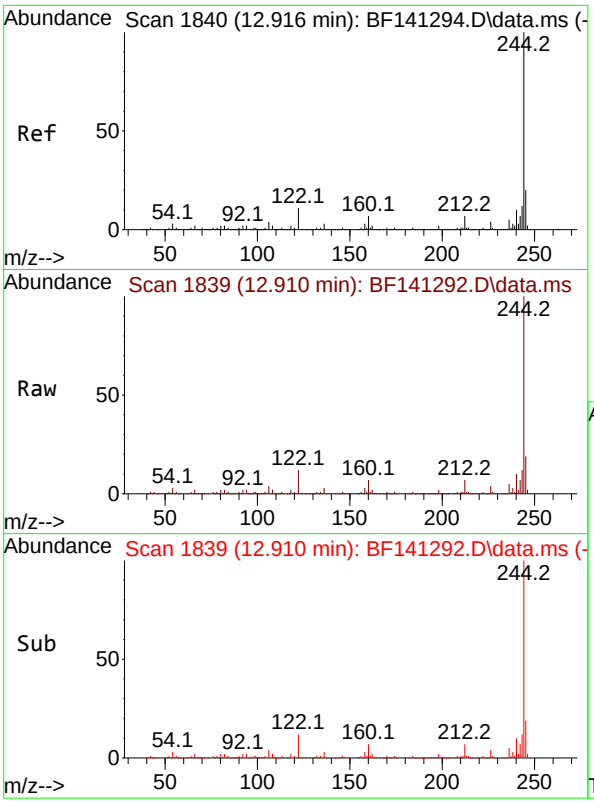


#78
Pyrene
Concen: 10.681 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:202 Resp: 317744

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.3	14.3	21.5

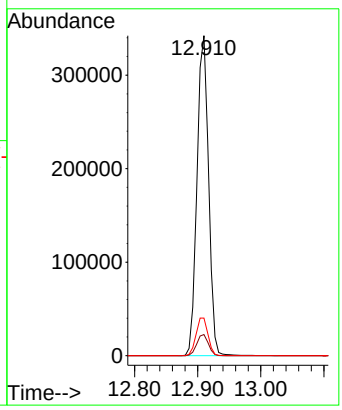




#79
Terphenyl-d14
Concen: 21.713 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:244 Resp: 43478

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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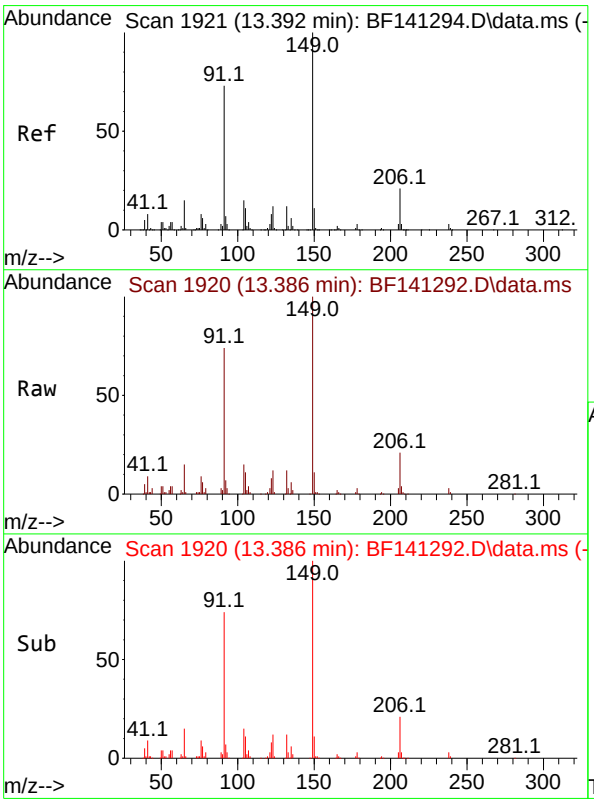
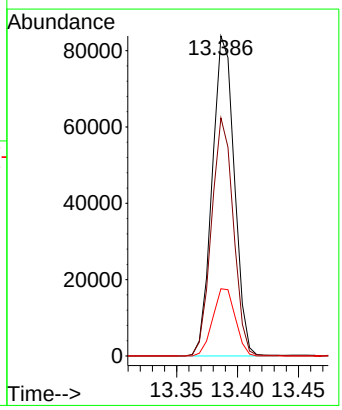
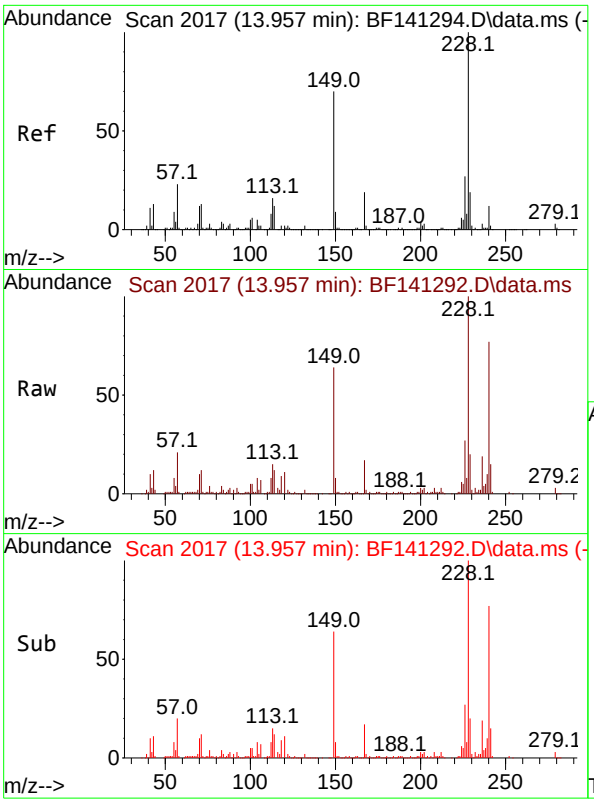


#80
Butylbenzylphthalate
Concen: 10.349 ng
RT: 13.386 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 106335

Ion	Ratio	Lower	Upper
149	100		
91	74.4	58.6	87.8
206	21.0	16.7	25.1

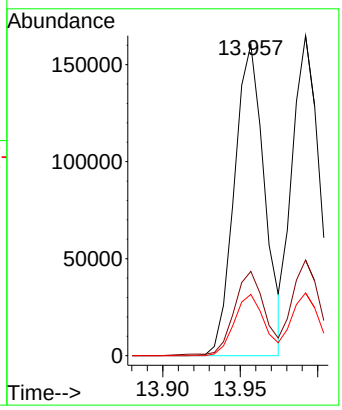




#81
Benzo(a)anthracene
Concen: 10.289 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 21729

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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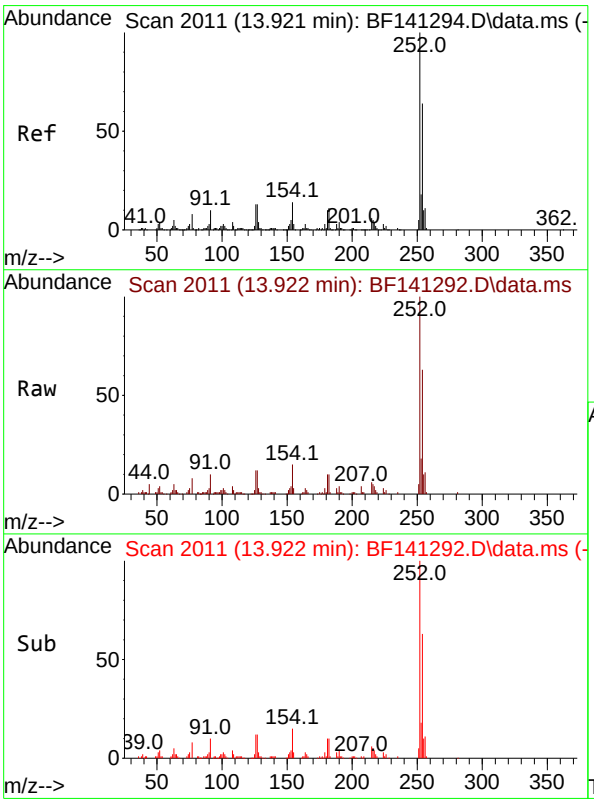
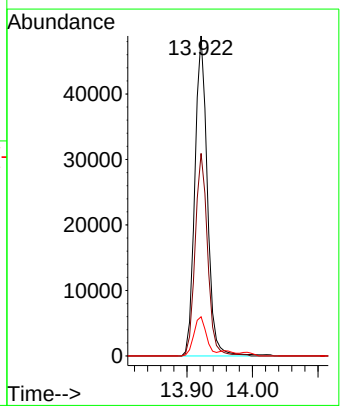
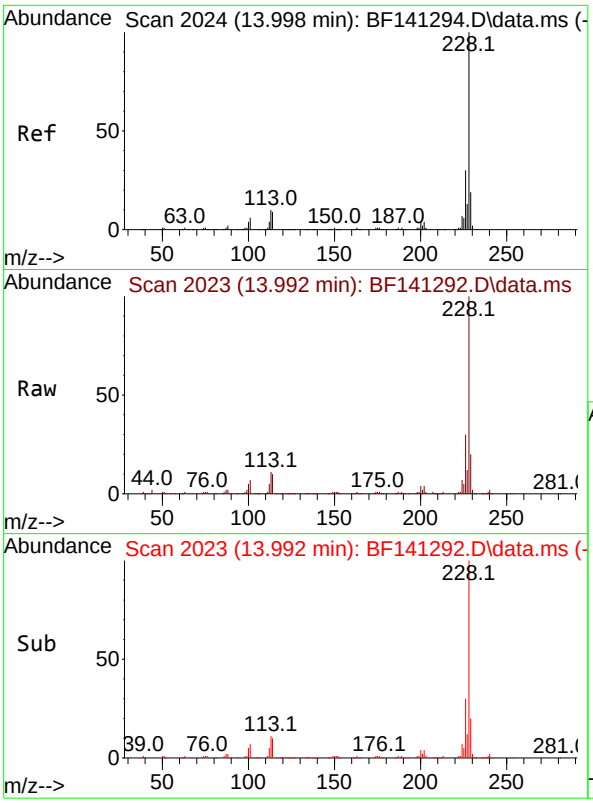


#82
3,3'-Dichlorobenzidine
Concen: 9.833 ng
RT: 13.922 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 65021

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.2	10.0	15.0





#83
Chrysene
Concen: 10.421 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:228 Resp: 20408(

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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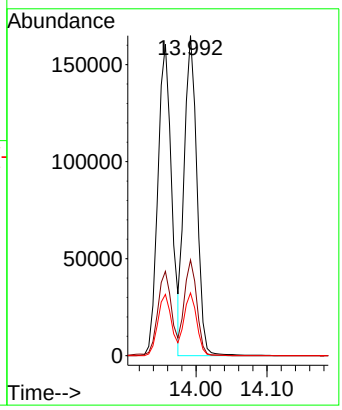
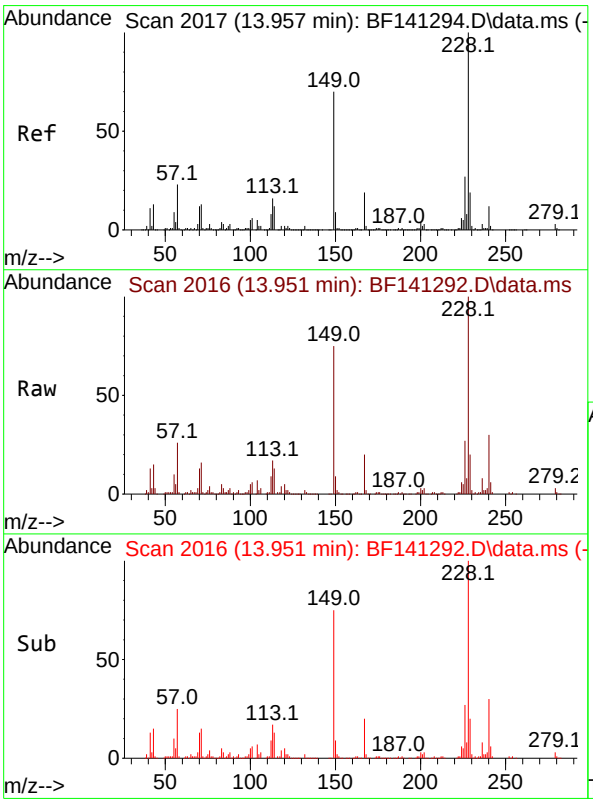
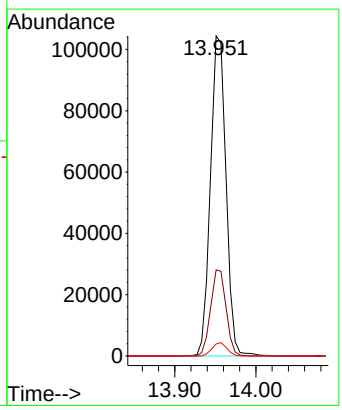


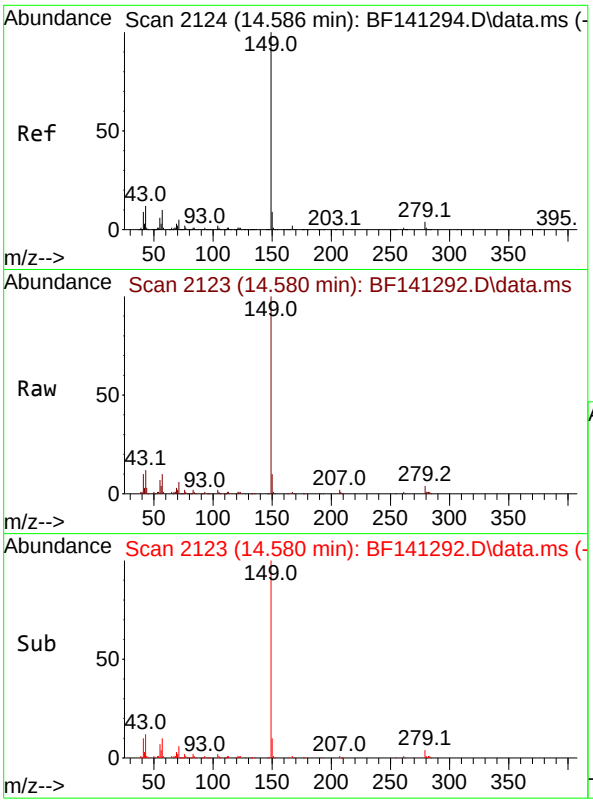


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.789 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 139099

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	3.8	3.3	4.9

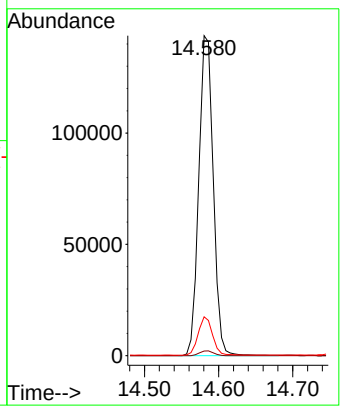




#85
Di-n-octyl phthalate
Concen: 9.676 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:149 Resp: 19512

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.8	9.8	14.8



Instrument :
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ClientSampleId :
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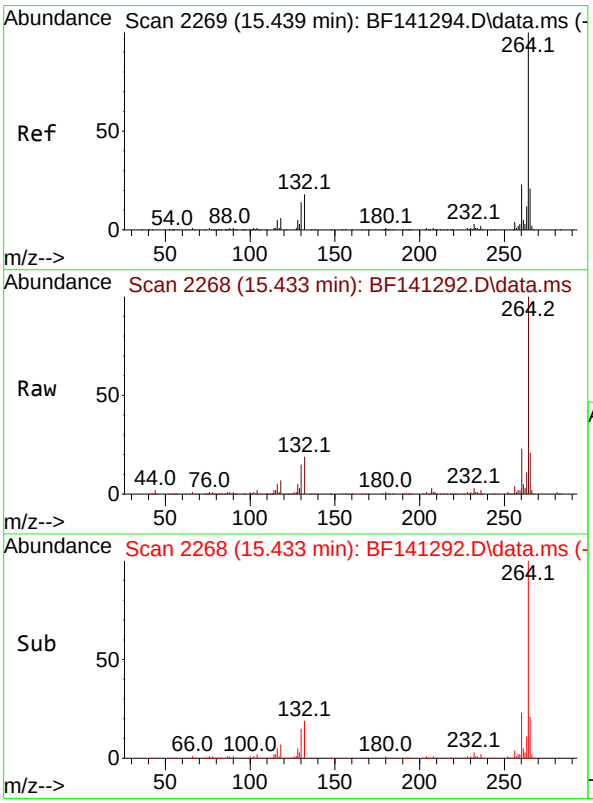
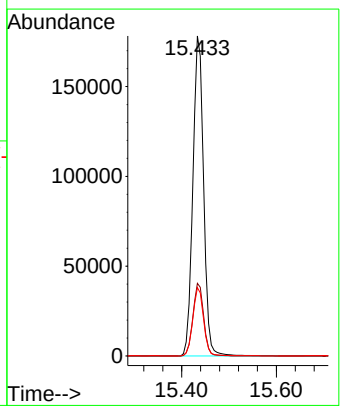
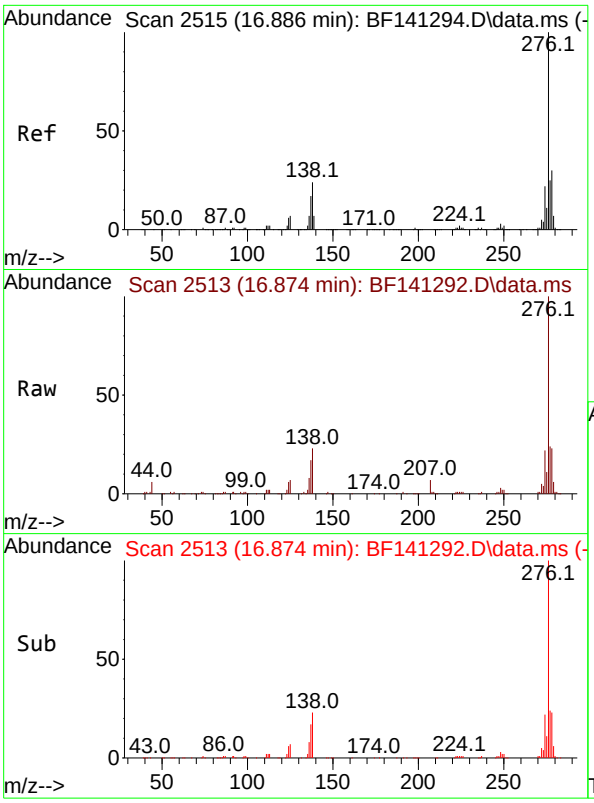


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:264 Resp: 280028

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.3	16.7	25.1

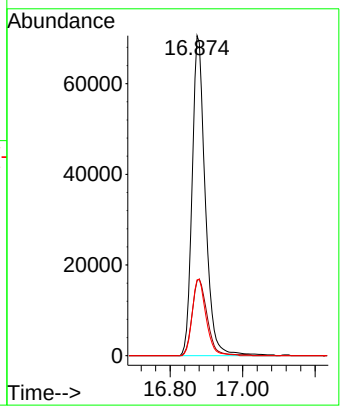




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.708 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 17755

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
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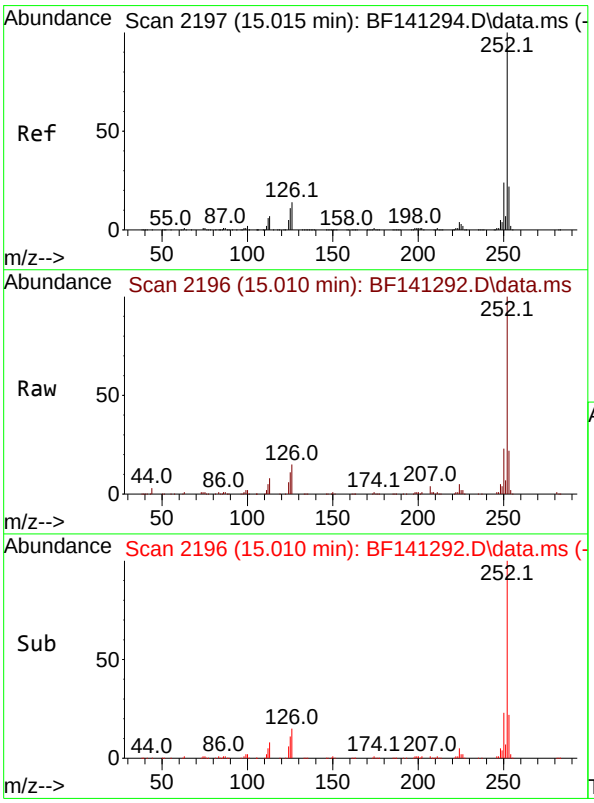
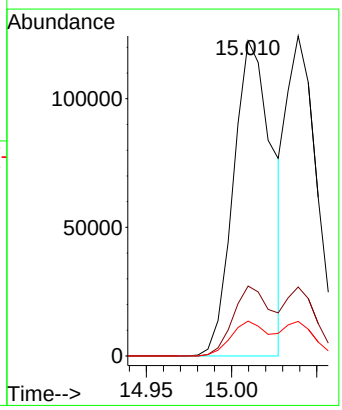
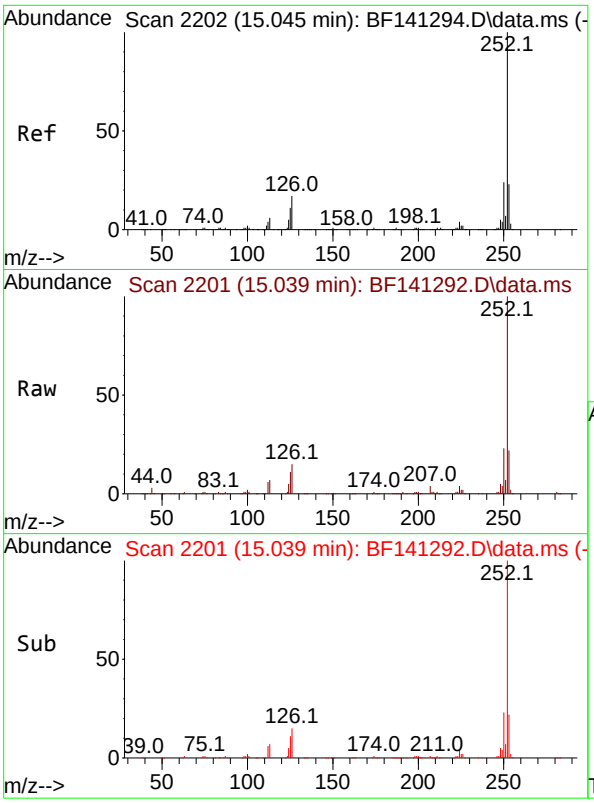


#88
Benzo(b)fluoranthene
Concen: 11.130 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 193558

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	11.1	8.6	12.8

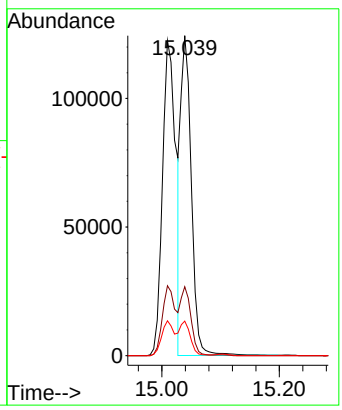




#89
Benzo(k)fluoranthene
Concen: 10.012 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 15592

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.6	26.4
125	10.8	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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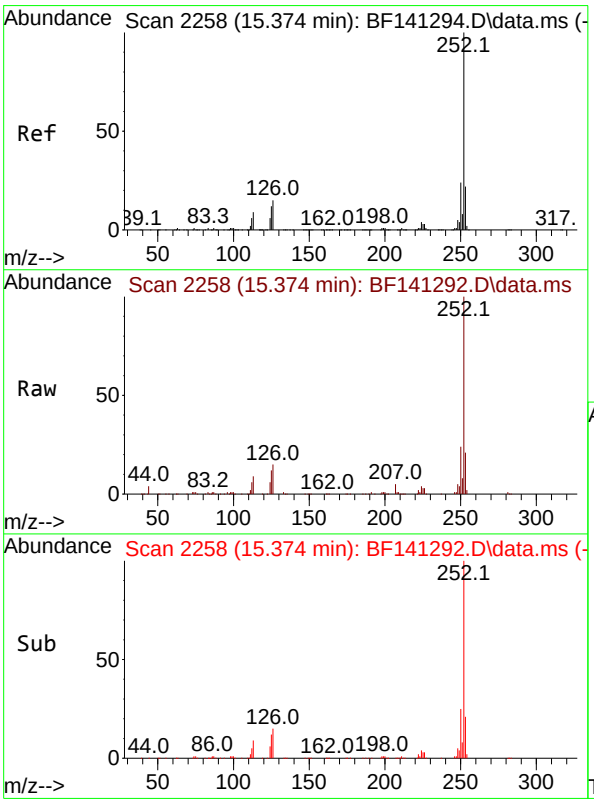
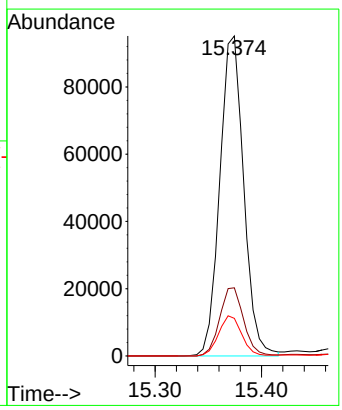
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

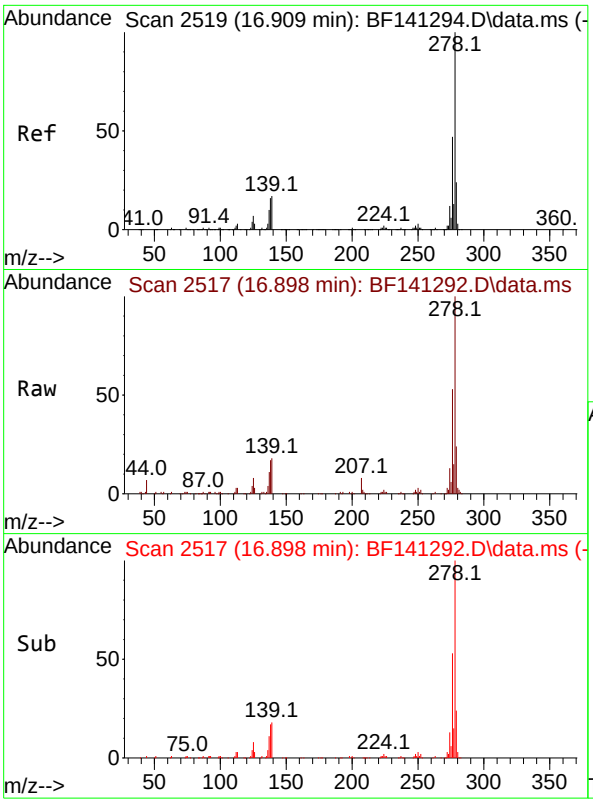


#90
Benzo(a)pyrene
Concen: 9.972 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:252 Resp: 148214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.2	25.8
125	11.7	9.4	14.2

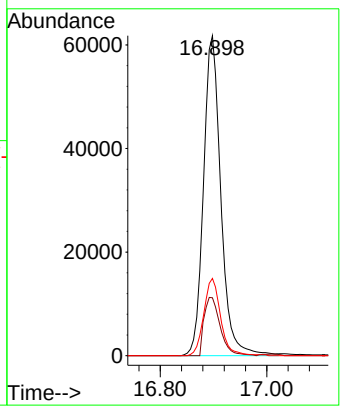




#91
Dibenzo(a,h)anthracene
Concen: 9.559 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:278 Resp: 14014

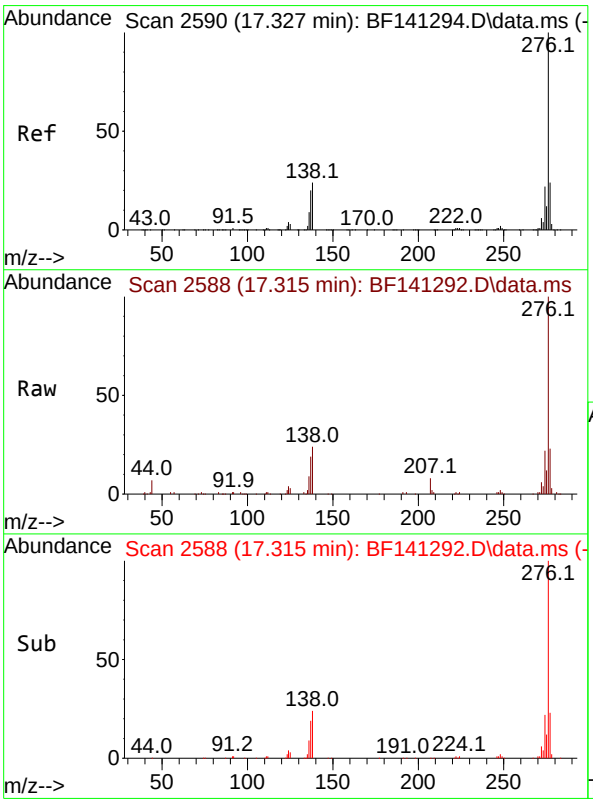
Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	24.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

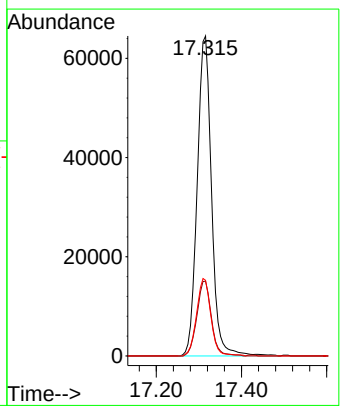
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 9.756 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF141292.D
Acq: 29 Jan 2025 11:49

Tgt Ion:276 Resp: 150453

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	23.6	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136491	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	532862	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	293084	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	511320	20.000	ng	0.00
76) Chrysene-d12	13.974	240	314234	20.000	ng	0.00
86) Perylene-d12	15.457	264	289582	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	382610	43.351	ng	0.00
7) Phenol-d6	6.422	99	475876	42.305	ng	0.00
23) Nitrobenzene-d5	7.357	82	432160	42.912	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	116167	43.498	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	819371	43.127	ng	0.00
79) Terphenyl-d14	12.916	244	860956	42.159	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.481	88	81467	20.794	ng	98
3) Pyridine	3.210	79	197852	21.116	ng	99
4) n-Nitrosodimethylamine	3.152	42	112451	20.957	ng	98
6) Aniline	6.457	93	210459	22.385	ng	99
8) 2-Chlorophenol	6.581	128	203008	21.418	ng	96
9) Benzaldehyde	6.345	77	150675	23.065	ng	100
10) Phenol	6.434	94	257179	21.611	ng	98
11) bis(2-Chloroethyl)ether	6.534	93	194572	21.260	ng	98
12) 1,3-Dichlorobenzene	6.739	146	224880	21.512	ng	99
13) 1,4-Dichlorobenzene	6.816	146	226376	21.503	ng	99
14) 1,2-Dichlorobenzene	6.969	146	213616	21.714	ng	99
15) Benzyl Alcohol	6.934	79	166008	21.602	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	340590	21.420	ng	100
17) 2-Methylphenol	7.045	107	165188	21.525	ng	99
18) Hexachloroethane	7.310	117	83193	21.359	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	140874	21.058	ng	99
20) 3+4-Methylphenols	7.198	107	205070	21.734	ng	96
22) Acetophenone	7.204	105	275680	21.825	ng	100
24) Nitrobenzene	7.381	77	224061	21.451	ng	98
25) Isophorone	7.616	82	369998	21.259	ng	99
26) 2-Nitrophenol	7.698	139	106287	21.725	ng	98
27) 2,4-Dimethylphenol	7.734	122	132748m	21.233	ng	
28) bis(2-Chloroethoxy)met...	7.828	93	237369	21.403	ng	98
29) 2,4-Dichlorophenol	7.934	162	166153	21.750	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	188468	21.511	ng	99
31) Naphthalene	8.104	128	607622	21.681	ng	100
32) Benzoic acid	7.816	122	126734	22.321	ng	99
33) 4-Chloroaniline	8.151	127	208531	22.151	ng	99
34) Hexachlorobutadiene	8.222	225	111274	21.699	ng	97
35) Caprolactam	8.498	113	54280	21.968	ng	99
36) 4-Chloro-3-methylphenol	8.628	107	177981	21.708	ng	99
37) 2-Methylnaphthalene	8.792	142	386035	21.630	ng	100
38) 1-Methylnaphthalene	8.892	142	378878	21.671	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	176736	21.209	ng	99
41) Hexachlorocyclopentadiene	8.945	237	51112	20.438	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	114390	21.029	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	125725	21.245	ng		98
46) 1,1'-Biphenyl	9.257	154	483479	21.145	ng		100
47) 2-Chloronaphthalene	9.281	162	377946	21.282	ng		99
48) 2-Nitroaniline	9.375	65	119359	21.310	ng		98
49) Acenaphthylene	9.698	152	531957	21.328	ng		99
50) Dimethylphthalate	9.557	163	423377	21.542	ng		100
51) 2,6-Dinitrotoluene	9.622	165	97622	21.345	ng		96
52) Acenaphthene	9.869	154	378511	21.328	ng		99
53) 3-Nitroaniline	9.786	138	100085	22.123	ng		98
54) 2,4-Dinitrophenol	9.892	184	40003	18.557	ng	#	86
55) Dibenzofuran	10.039	168	514223	21.665	ng		100
56) 4-Nitrophenol	9.945	139	73425	22.607	ng		97
57) 2,4-Dinitrotoluene	10.022	165	129942	22.027	ng		98
58) Fluorene	10.386	166	396520	21.488	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	99841	21.354	ng		99
60) Diethylphthalate	10.257	149	413889	21.745	ng		99
61) 4-Chlorophenyl-phenyle...	10.380	204	193134	21.446	ng		99
62) 4-Nitroaniline	10.398	138	96692	22.250	ng		98
63) Azobenzene	10.539	77	407492	21.358	ng		99
65) 4,6-Dinitro-2-methylph...	10.427	198	62572	20.492	ng		97
66) n-Nitrosodiphenylamine	10.498	169	344387	20.773	ng		100
67) 4-Bromophenyl-phenylether	10.869	248	119844	20.967	ng		98
68) Hexachlorobenzene	10.933	284	126823	20.917	ng		99
69) Atrazine	11.022	200	109133	19.627	ng		99
70) Pentachlorophenol	11.127	266	74508	20.958	ng		98
71) Phenanthrene	11.351	178	584027	21.262	ng		100
72) Anthracene	11.398	178	572743	21.377	ng		100
73) Carbazole	11.557	167	522100	22.000	ng		99
74) Di-n-butylphthalate	11.892	149	636521	22.251	ng		100
75) Fluoranthene	12.539	202	611492	22.808	ng		100
77) Benzidine	12.663	184	65963	6.904	ng		99
78) Pyrene	12.769	202	629228	20.739	ng		99
80) Butylbenzylphthalate	13.392	149	232095	22.149	ng		99
81) Benzo(a)anthracene	13.968	228	456535	21.197	ng		99
82) 3,3'-Dichlorobenzidine	13.927	252	134298	19.914	ng		99
83) Chrysene	14.004	228	421849	21.122	ng		99
84) Bis(2-ethylhexyl)phtha...	13.963	149	300546	22.857	ng		99
85) Di-n-octyl phthalate	14.604	149	451748	21.964	ng		100
87) Indeno(1,2,3-cd)pyrene	16.909	276	387089	20.466	ng		99
88) Benzo(b)fluoranthene	15.033	252	384557	21.383	ng		99
89) Benzo(k)fluoranthene	15.062	252	368801	22.900	ng		99
90) Benzo(a)pyrene	15.392	252	327630	21.317	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	318776	21.026	ng		100
92) Benzo(g,h,i)perylene	17.345	276	329876	20.684	ng		100

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

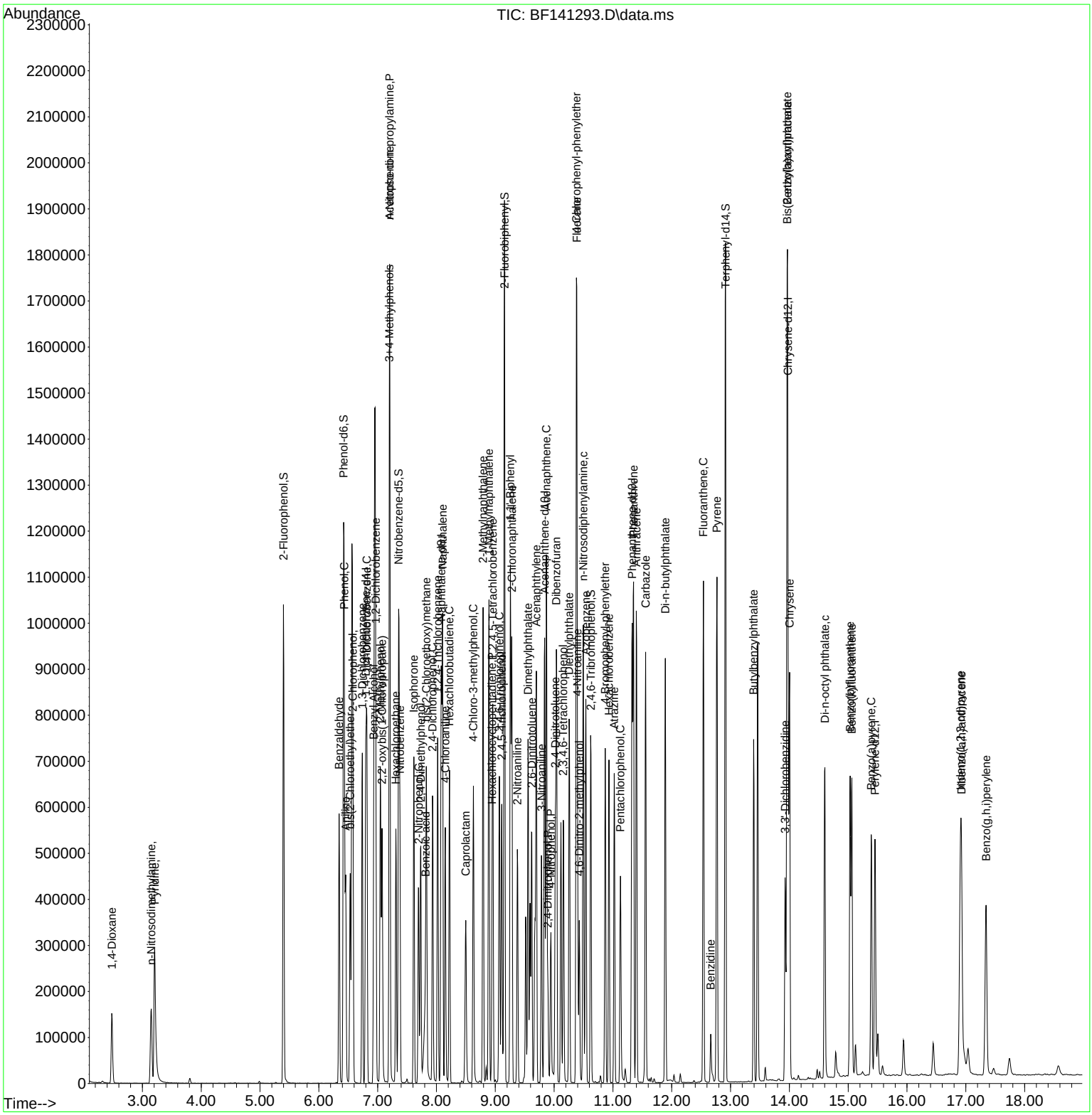
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141293.D
Acq On : 29 Jan 2025 15:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

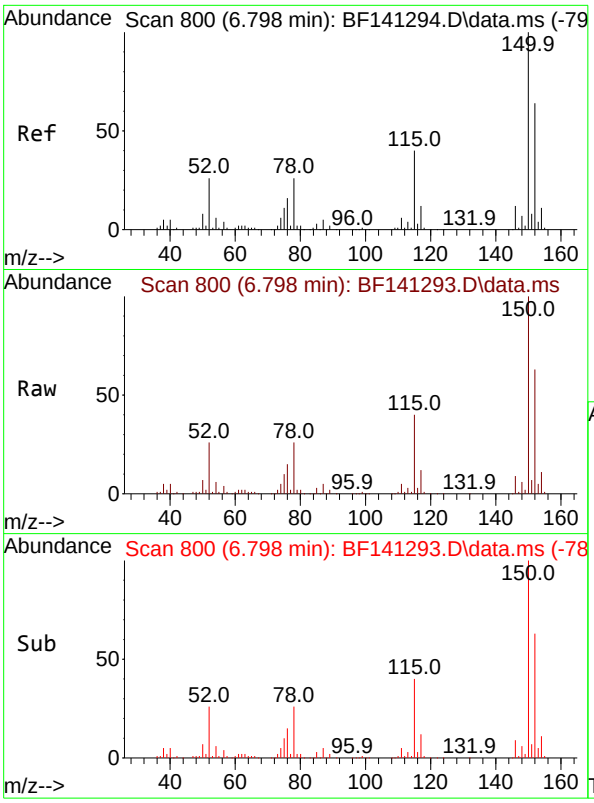
Quant Time: Jan 29 16:29:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

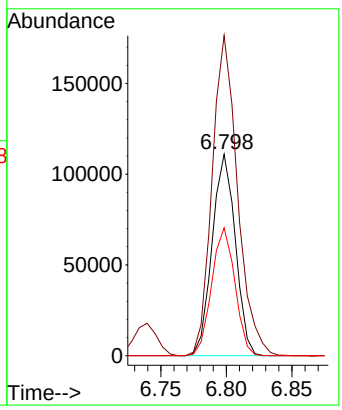




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 13649

Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	63.5	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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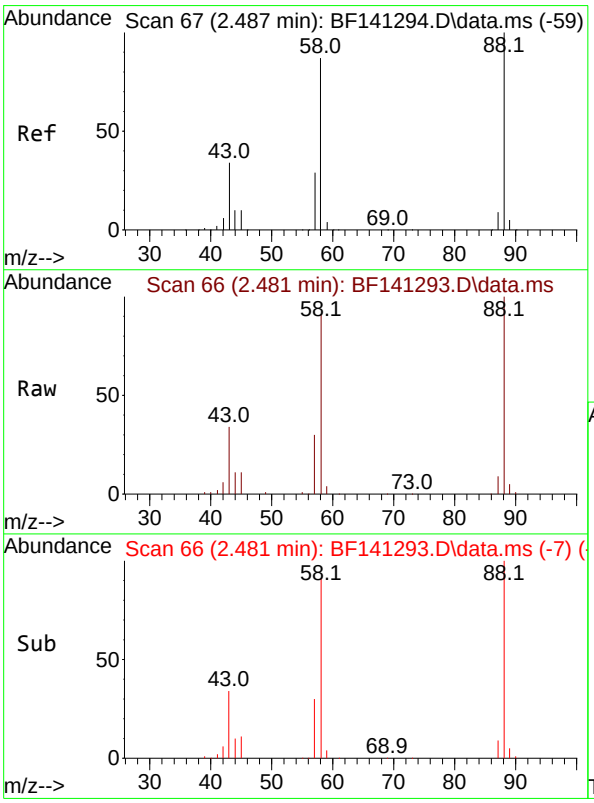
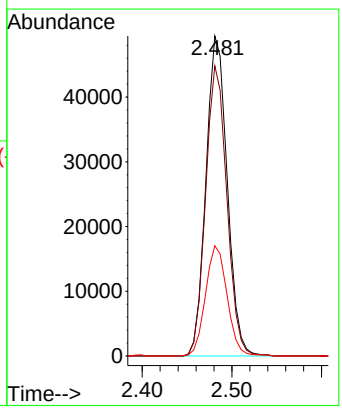
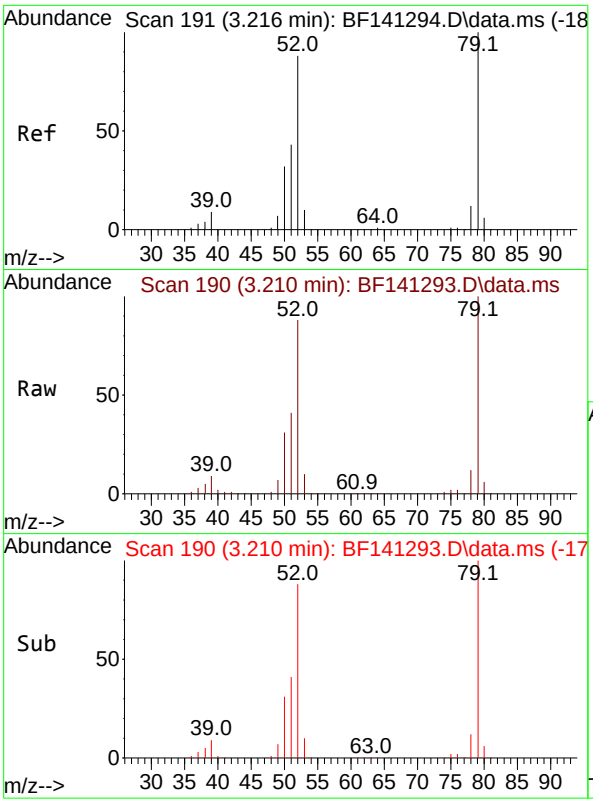


#2
1,4-Dioxane
Concen: 20.794 ng
RT: 2.481 min Scan# 66
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 88 Resp: 81467

Ion	Ratio	Lower	Upper
88	100		
58	90.4	70.2	105.4
43	35.0	27.6	41.4

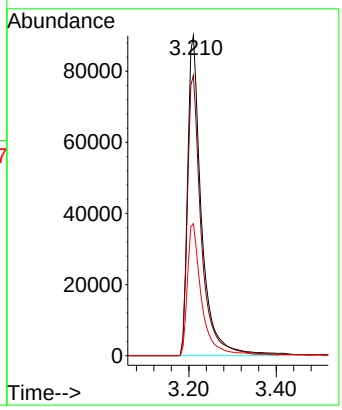




#3
Pyridine
Concen: 21.116 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 19785

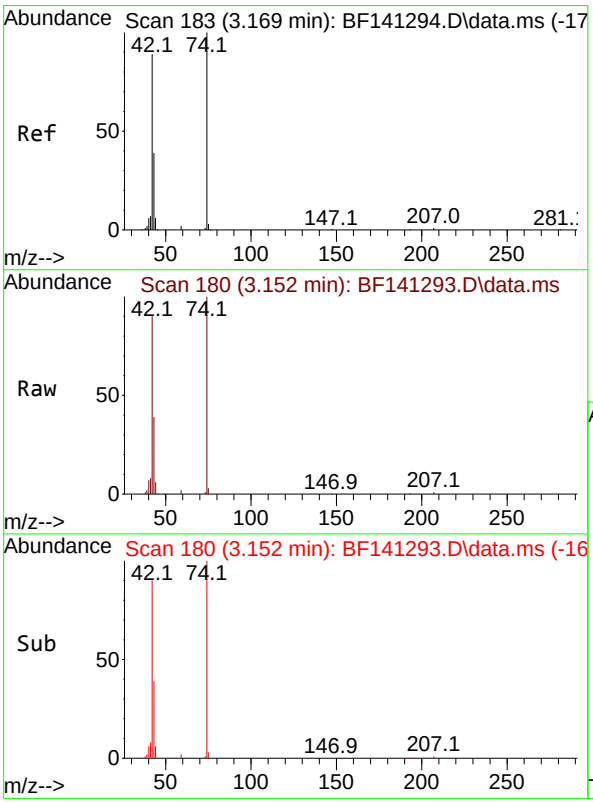
Ion	Ratio	Lower	Upper
79	100		
52	87.6	70.3	105.5
51	41.2	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

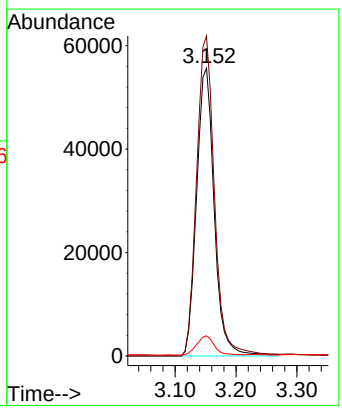
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

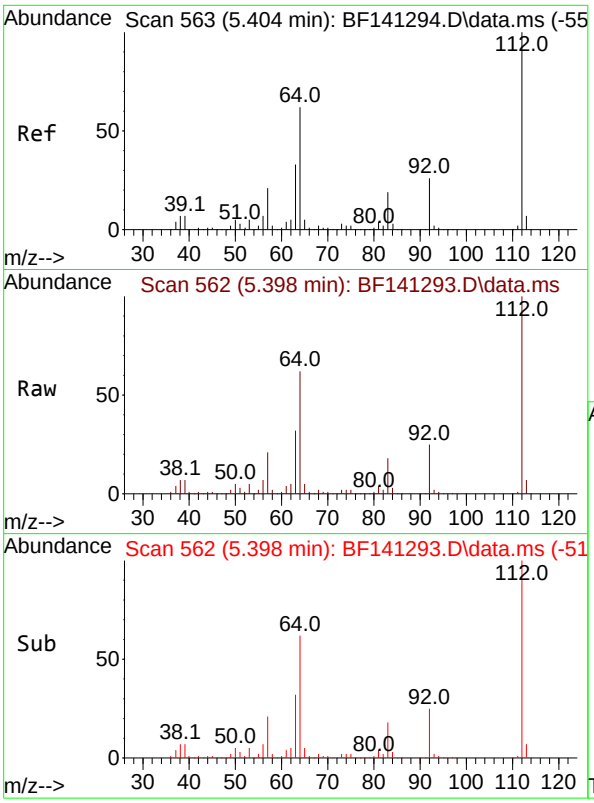


#4
n-Nitrosodimethylamine
Concen: 20.957 ng
RT: 3.152 min Scan# 180
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 42 Resp: 112451

Ion	Ratio	Lower	Upper
42	100		
74	111.2	90.3	135.5
44	7.0	5.7	8.5

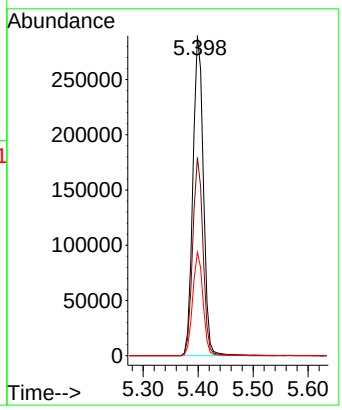




#5
2-Fluorophenol
Concen: 43.351 ng
RT: 5.398 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:112 Resp: 38261

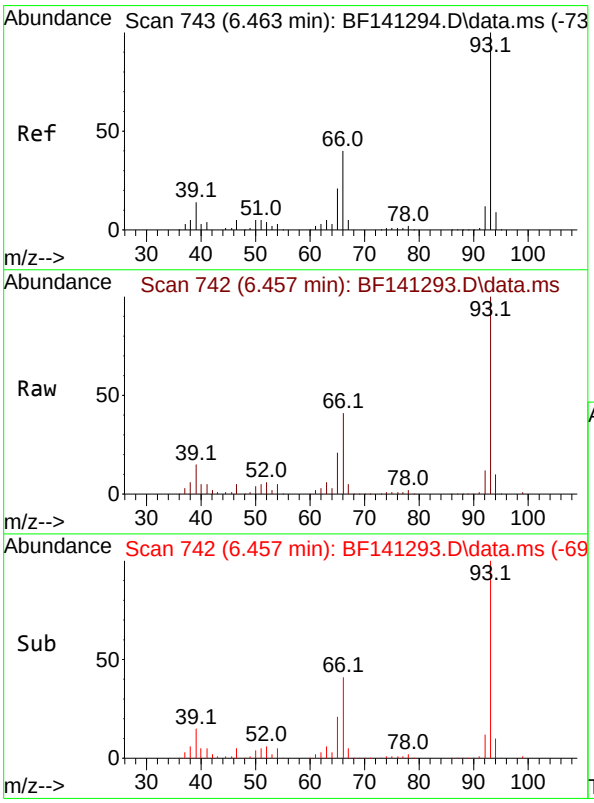
Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

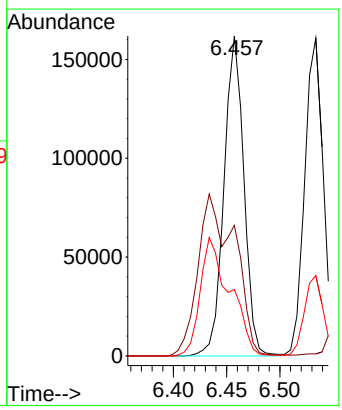
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

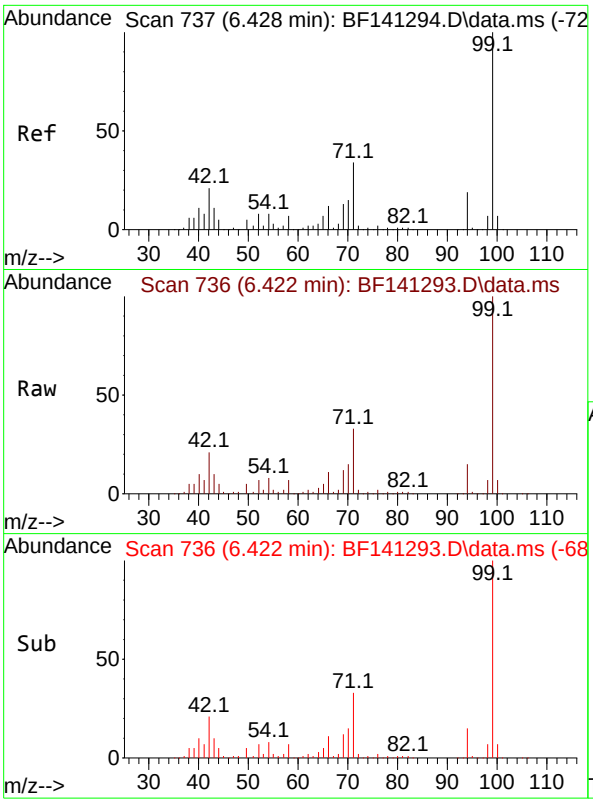


#6
Aniline
Concen: 22.385 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 210459

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.5	48.7
65	20.7	17.0	25.6

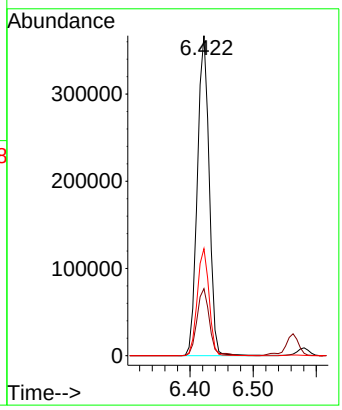




#7
Phenol-d6
Concen: 42.305 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 99 Resp: 47587

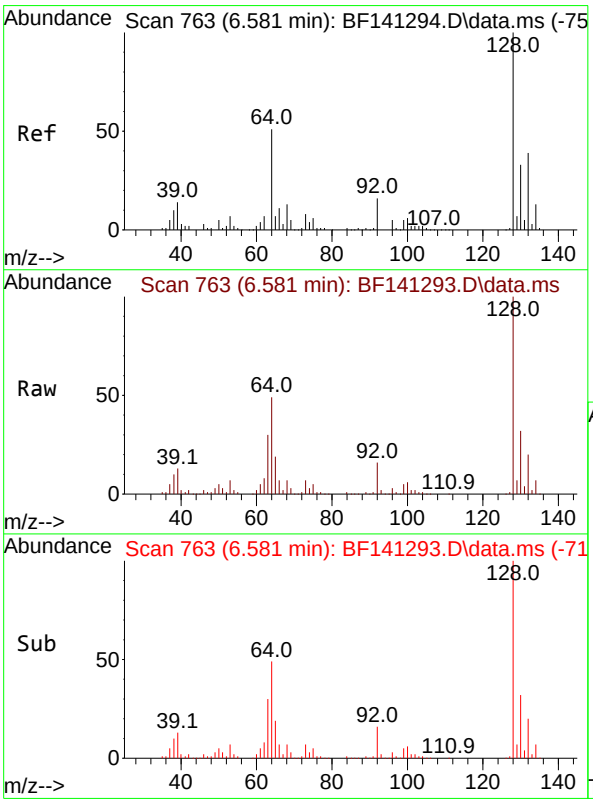
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

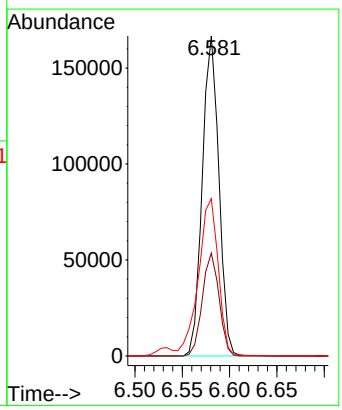
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

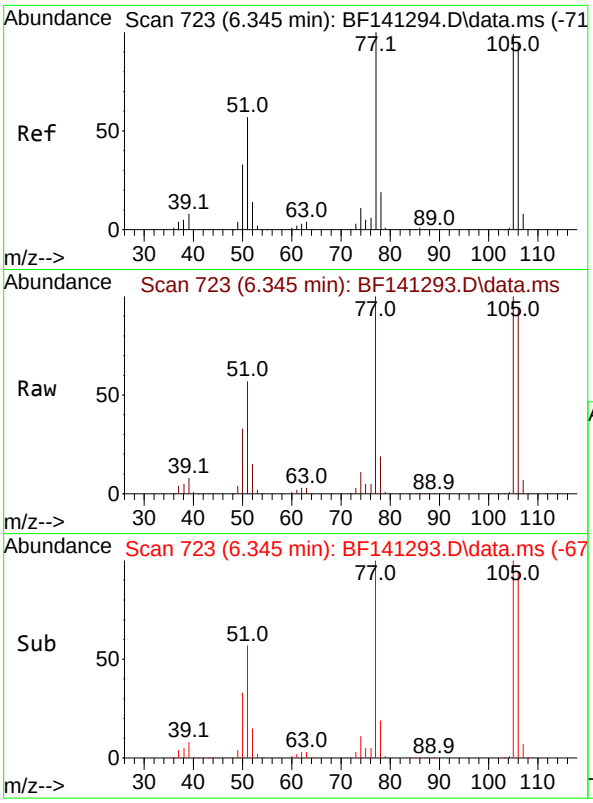


#8
2-Chlorophenol
Concen: 21.418 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 203008

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	49.1	32.9	72.9

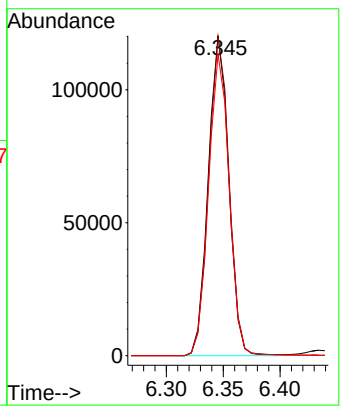




#9
Benzaldehyde
Concen: 23.065 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 15067

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.2	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
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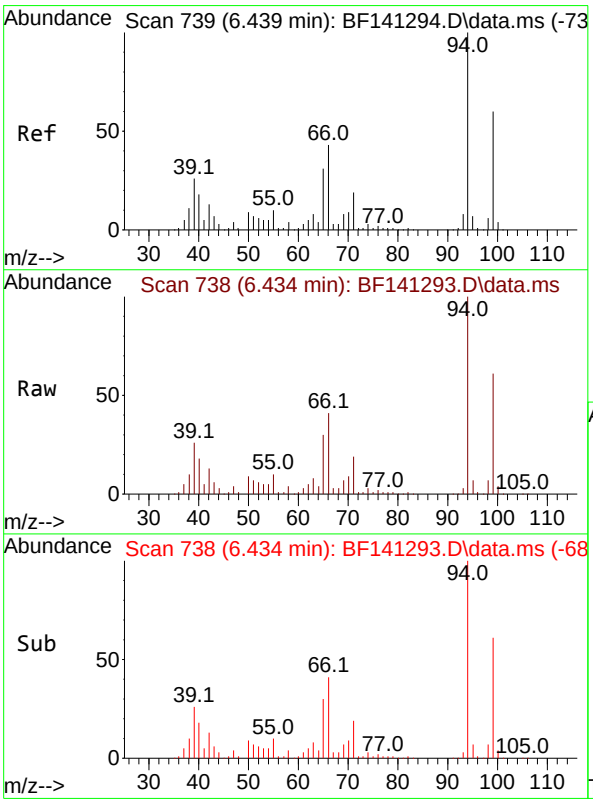
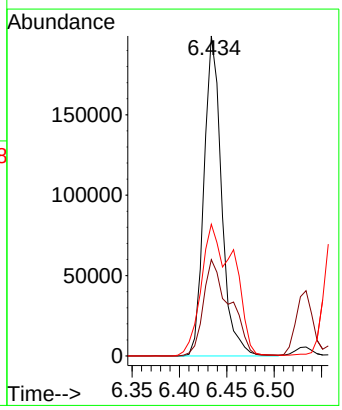
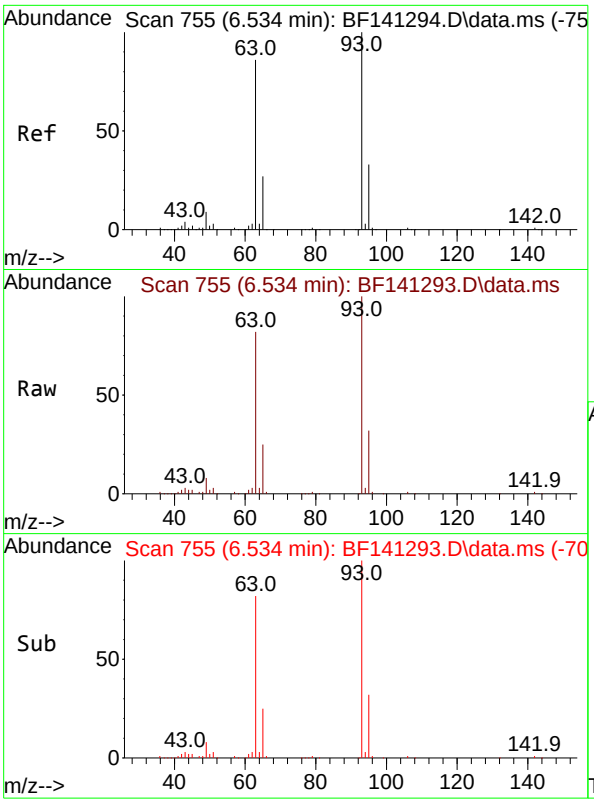


#10
Phenol
Concen: 21.611 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 94 Resp: 257179

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.8	50.8
66	41.1	23.3	63.3

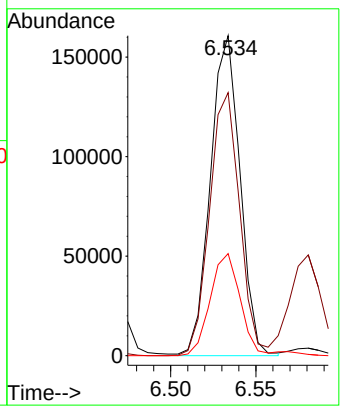




#11
bis(2-Chloroethyl)ether
Concen: 21.260 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 19457

Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	31.9	12.4	52.4



Instrument :
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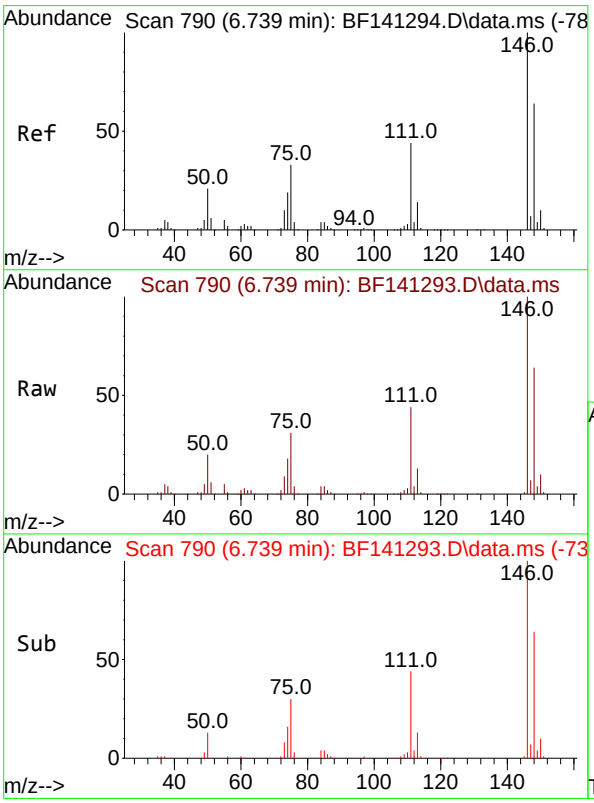
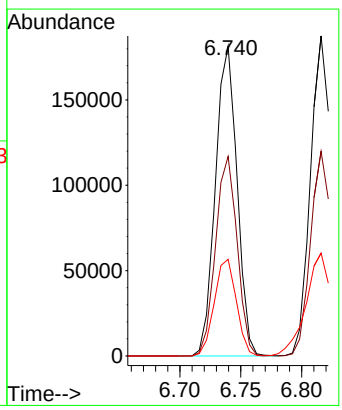
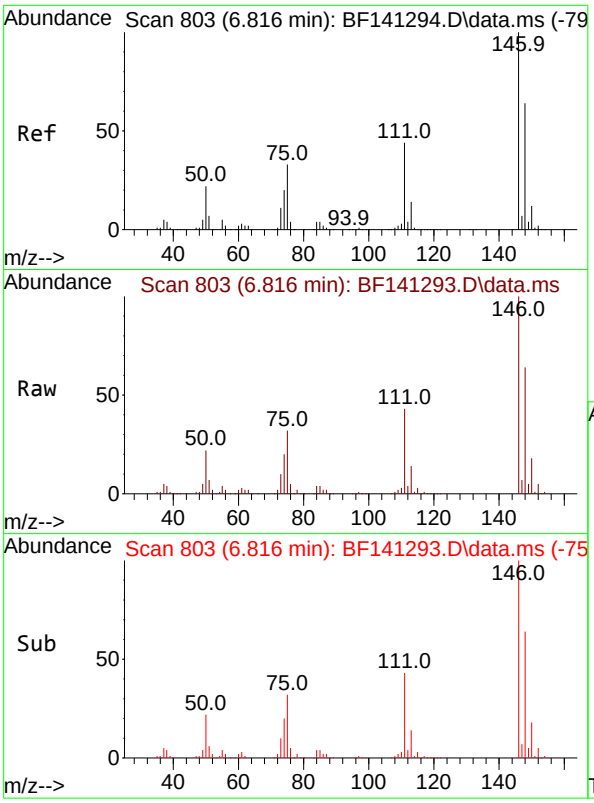


#12
1,3-Dichlorobenzene
Concen: 21.512 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 224880

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	31.2	26.2	39.4

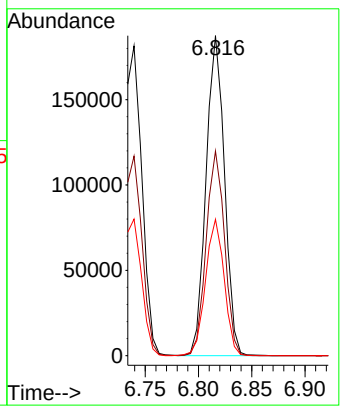




#13
1,4-Dichlorobenzene
Concen: 21.503 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 22637

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	42.6	35.0	52.4



Instrument :
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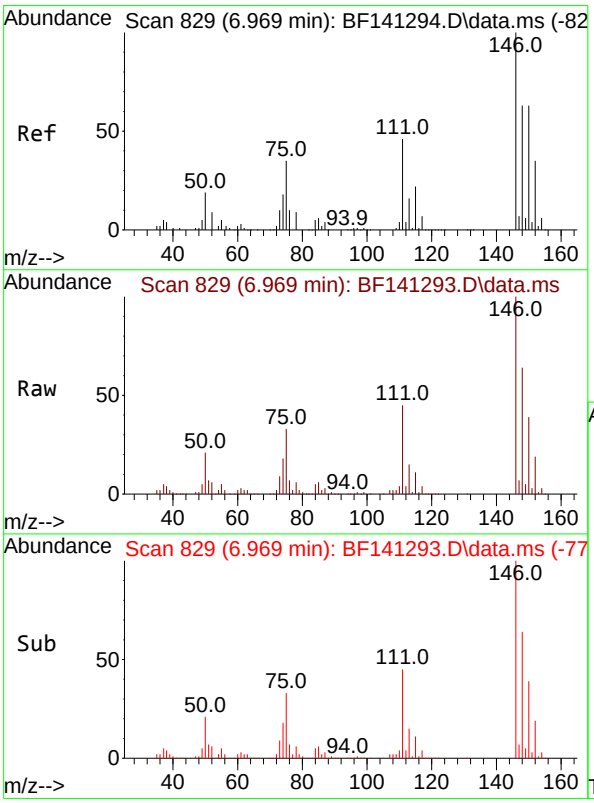
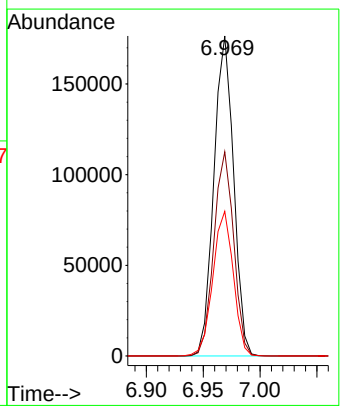
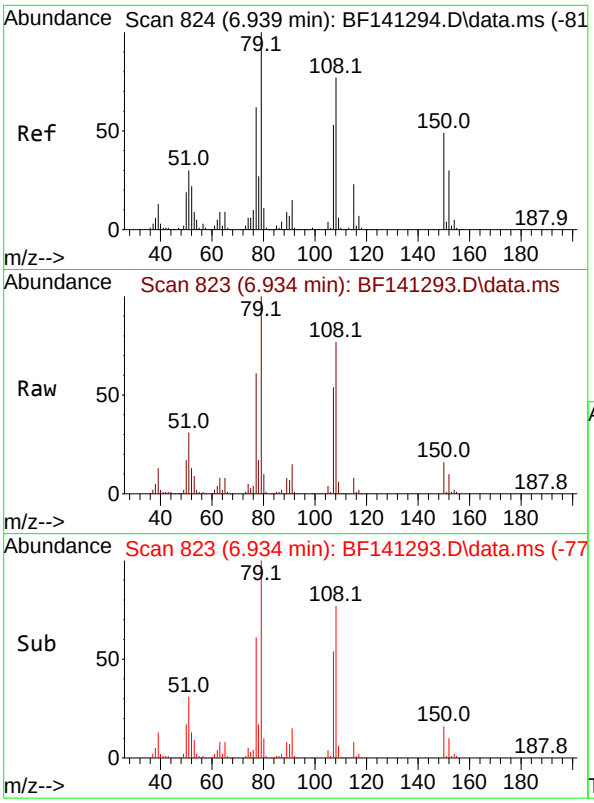


#14
1,2-Dichlorobenzene
Concen: 21.714 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:146 Resp: 213616

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	45.2	36.6	55.0





#15
Benzyl Alcohol
Concen: 21.602 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 79 Resp: 16600

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.4	92.0
77	61.4	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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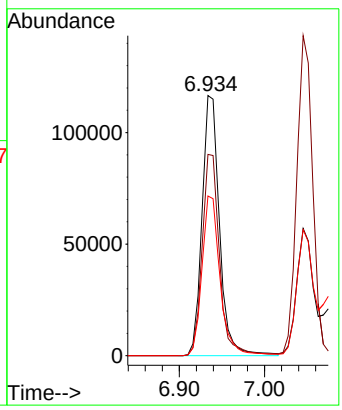
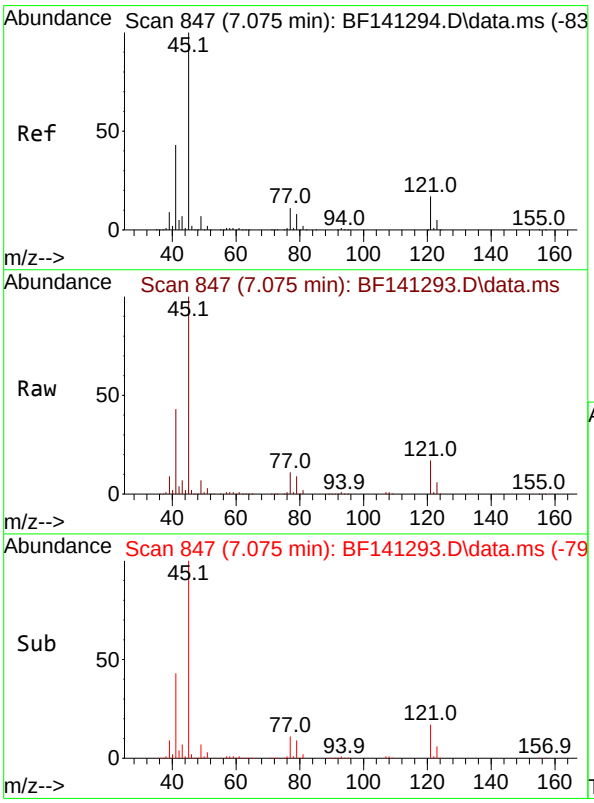
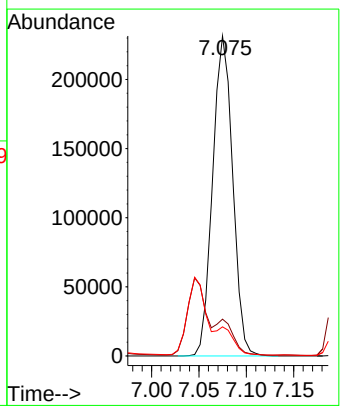


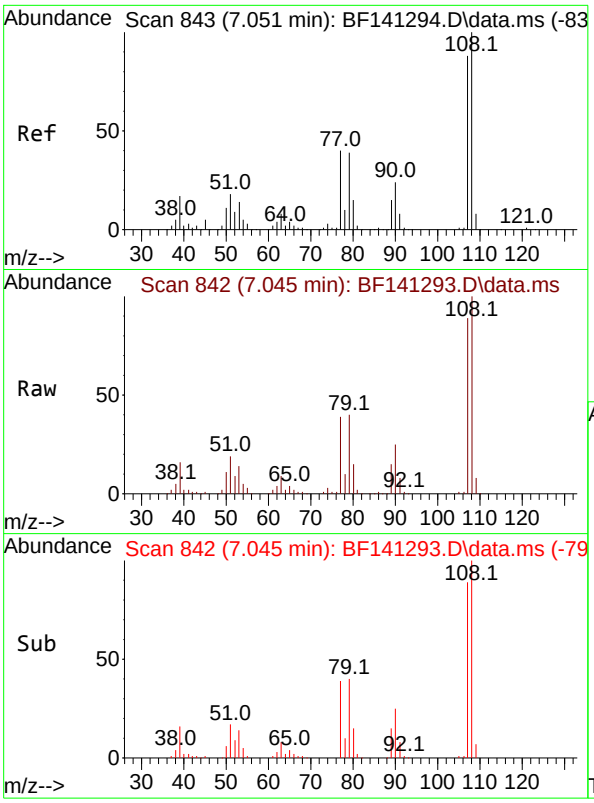


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.420 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 45 Resp: 340590

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.8
79	9.1	0.0	29.1

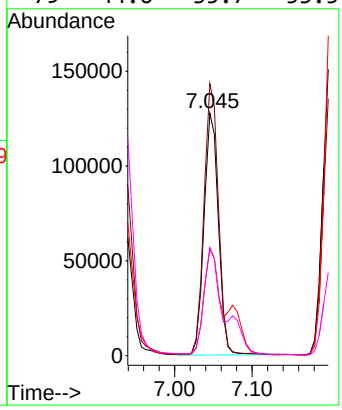




#17
2-Methylphenol
Concen: 21.525 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 16518

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.8	136.2
77	44.2	36.2	54.4
79	44.6	35.7	53.5



Instrument :
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ClientSampleId :
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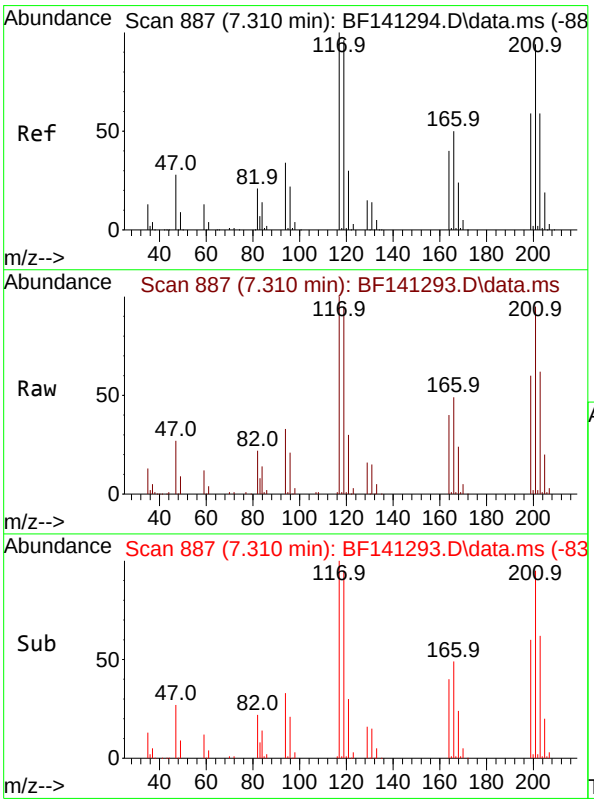
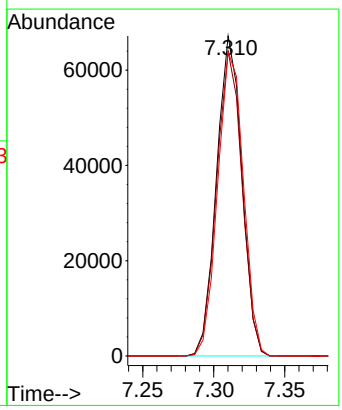
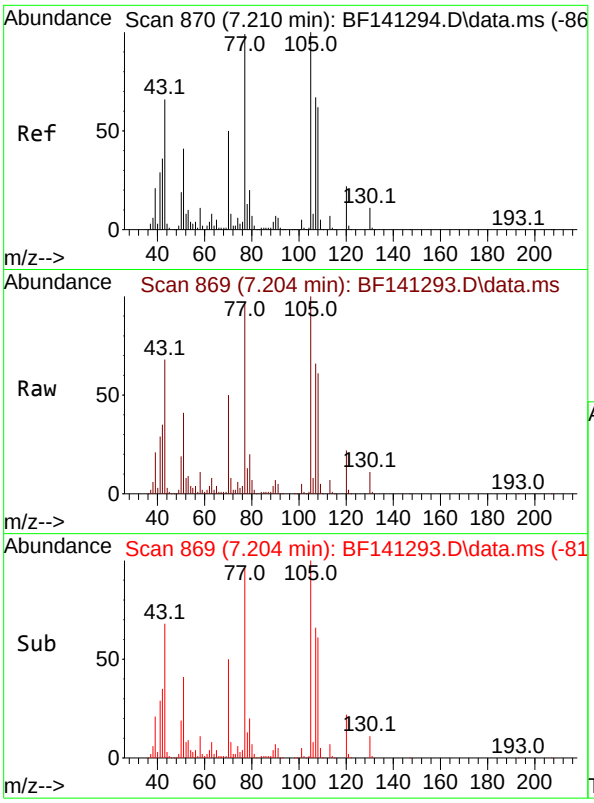


#18
Hexachloroethane
Concen: 21.359 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:117 Resp: 83193

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.6	114.8
201	95.1	74.8	112.2

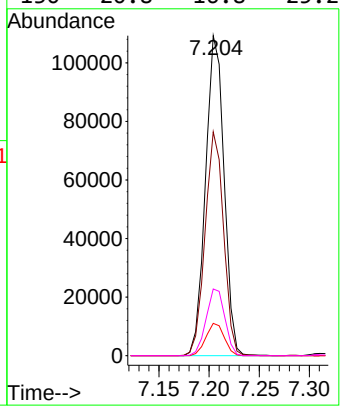




#19
n-Nitroso-di-n-propylamine
Concen: 21.058 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 70 Resp: 14087

Ion	Ratio	Lower	Upper
70	100		
42	69.9	56.8	85.2
101	10.1	7.7	11.5
130	20.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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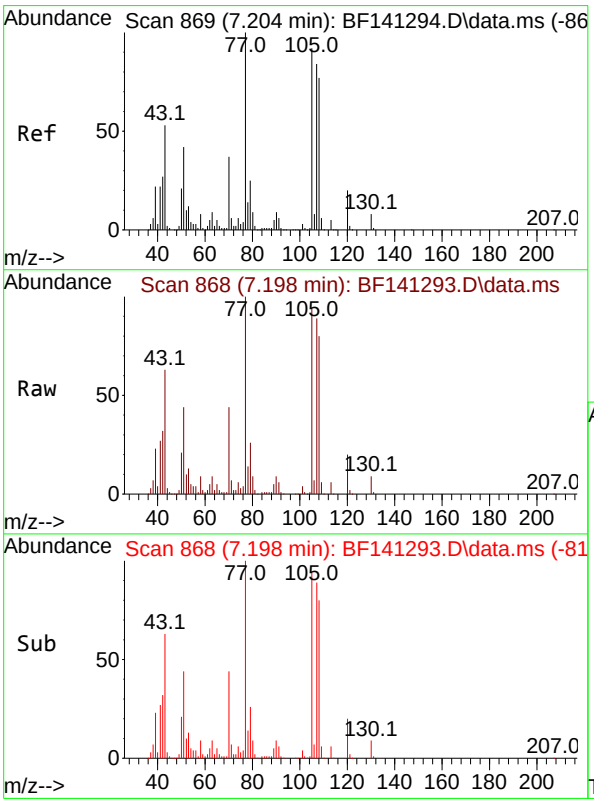
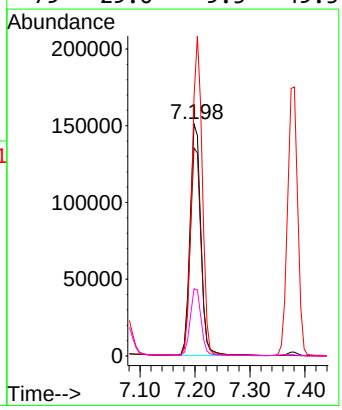
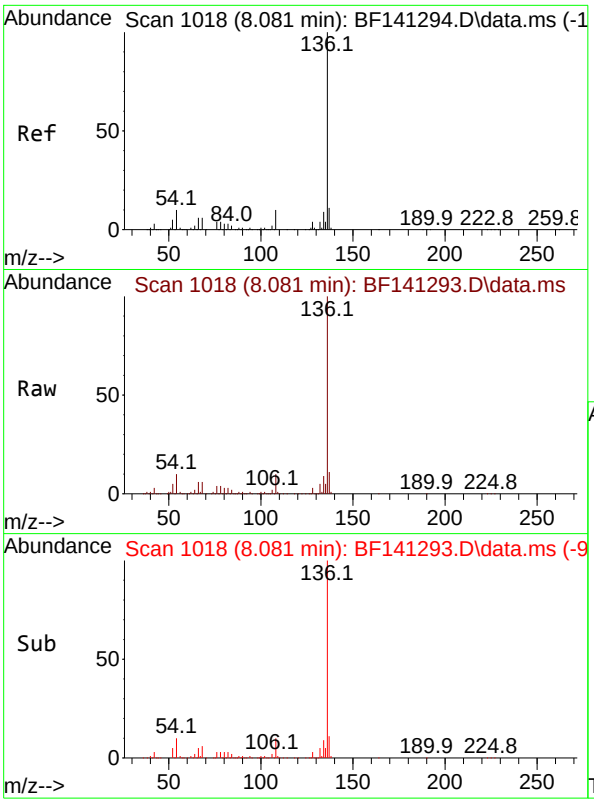


#20
3+4-Methylphenols
Concen: 21.734 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 205070

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.9	110.9
77	111.7	98.5	138.5
79	29.0	9.5	49.5

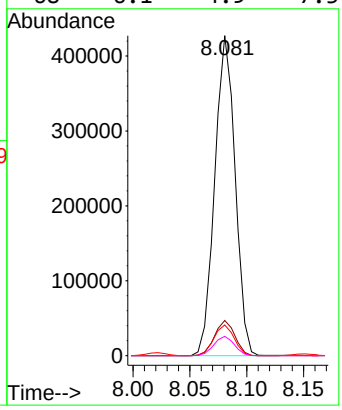




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:136 Resp: 53286

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.8	11.8
68	6.1	4.9	7.3



Instrument :
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ClientSampleId :
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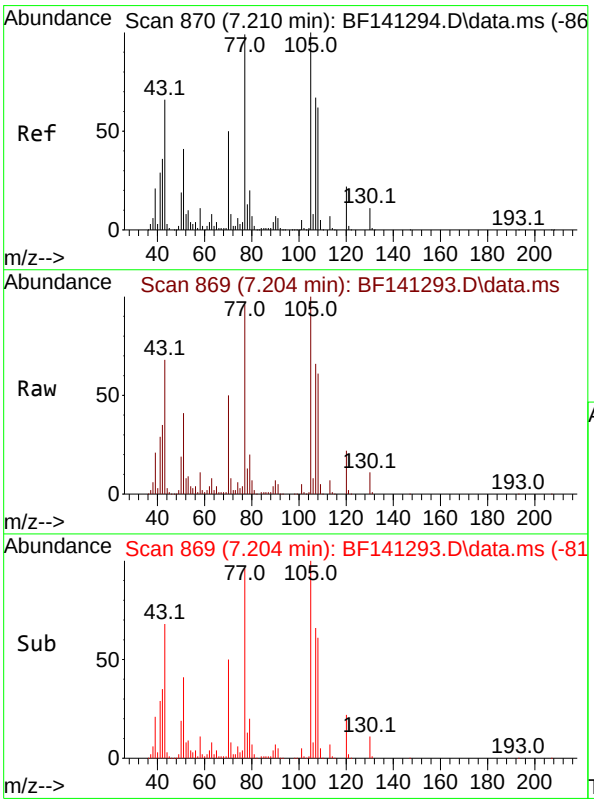
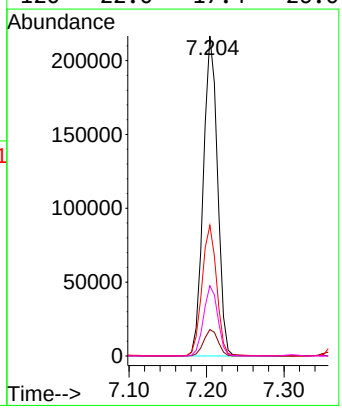
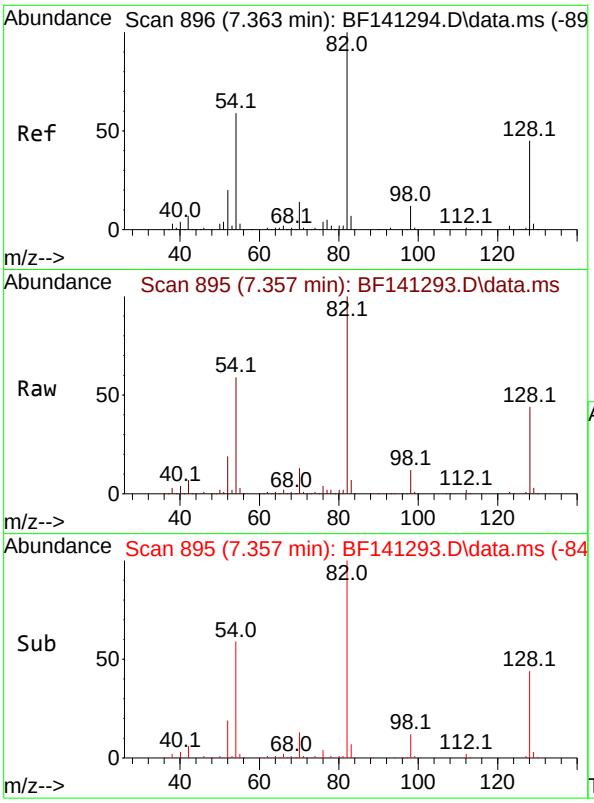


#22
Acetophenone
Concen: 21.825 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:105 Resp: 275680

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.8	10.2
51	40.8	32.6	49.0
120	22.0	17.4	26.0

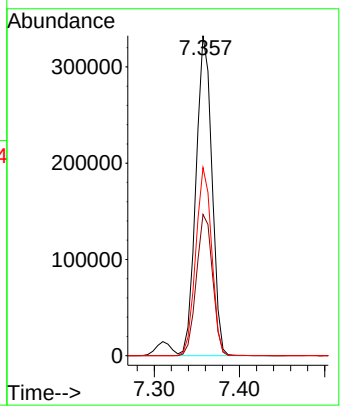




#23
Nitrobenzene-d5
Concen: 42.912 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 43216

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.8	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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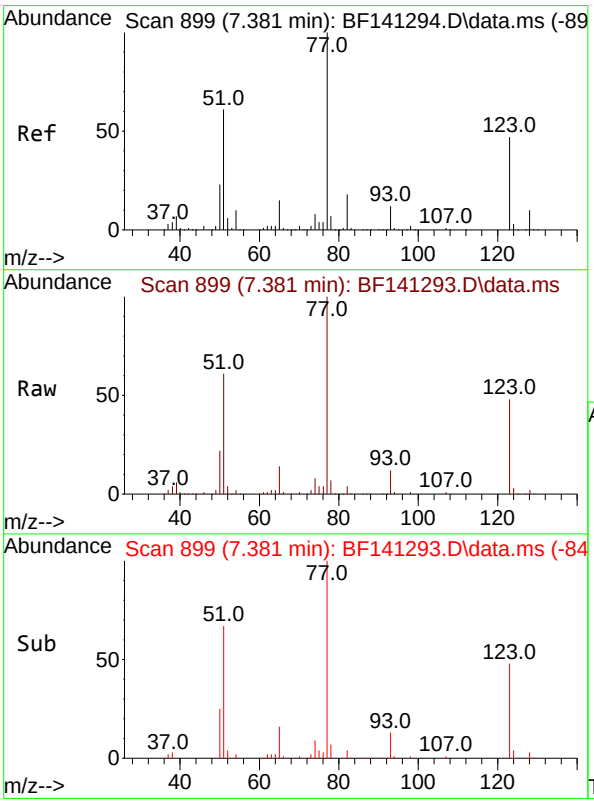
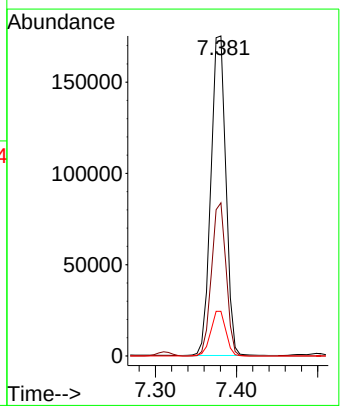
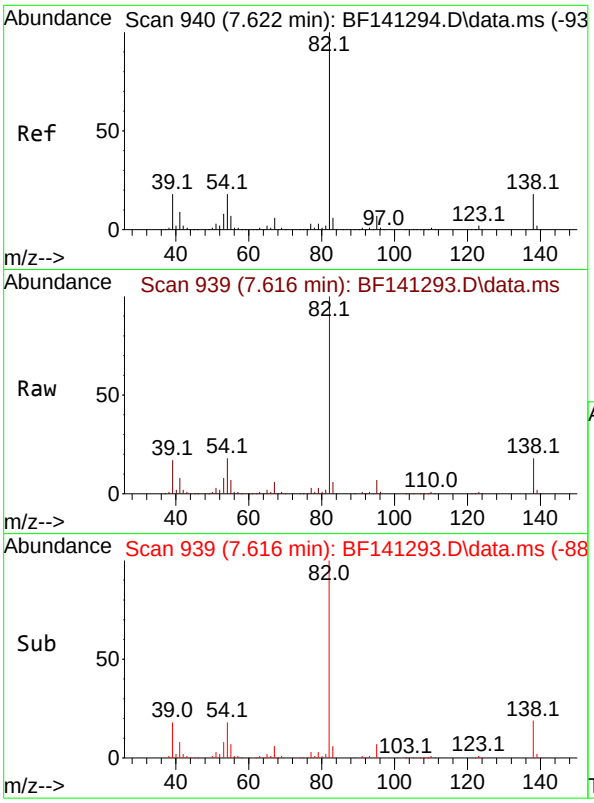


#24
Nitrobenzene
Concen: 21.451 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 224061

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.3	55.9
65	13.9	11.8	17.6

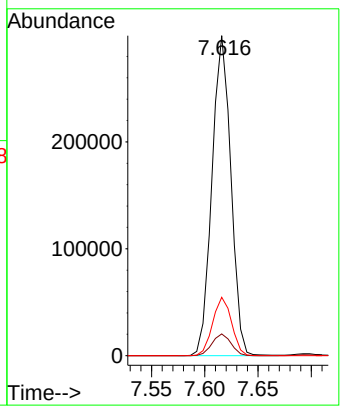




#25
Isophorone
Concen: 21.259 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 82 Resp: 36999

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.8	8.6
138	18.2	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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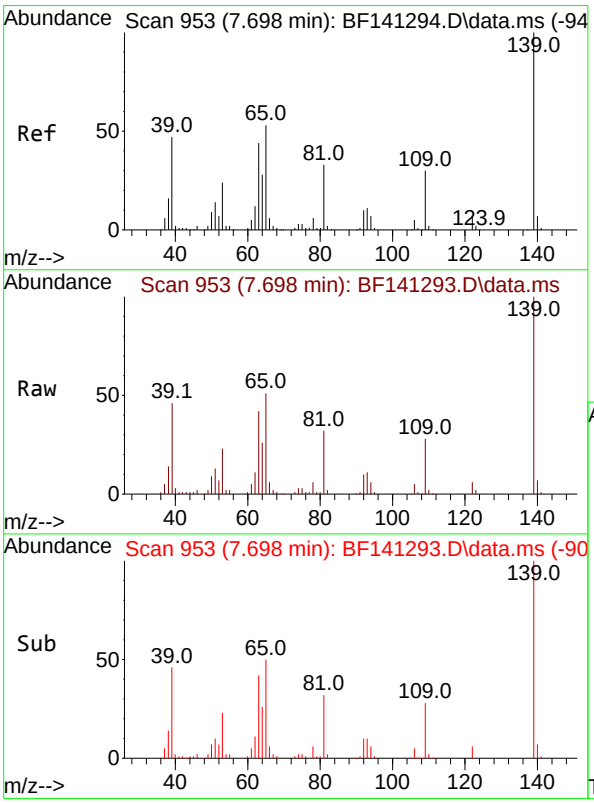
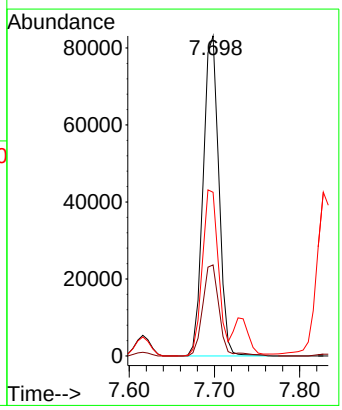
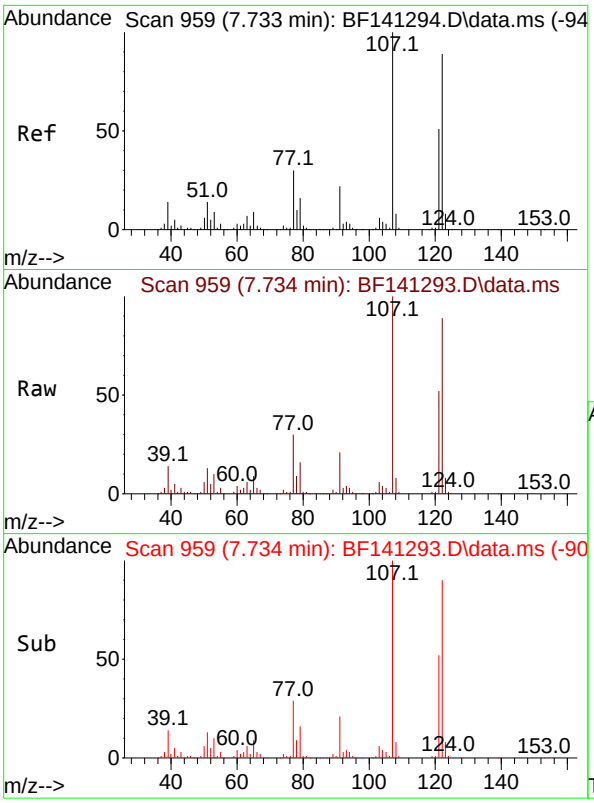


#26
2-Nitrophenol
Concen: 21.725 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 106287

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.8	35.6
65	51.2	42.2	63.4

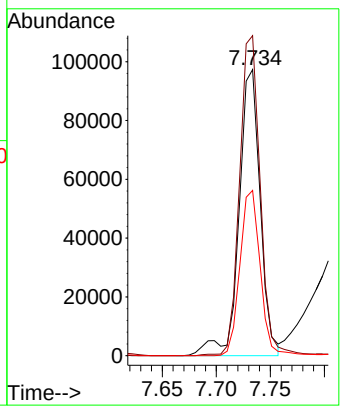




#27
2,4-Dimethylphenol
Concen: 21.233 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 13274

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.9	134.9
121	57.8	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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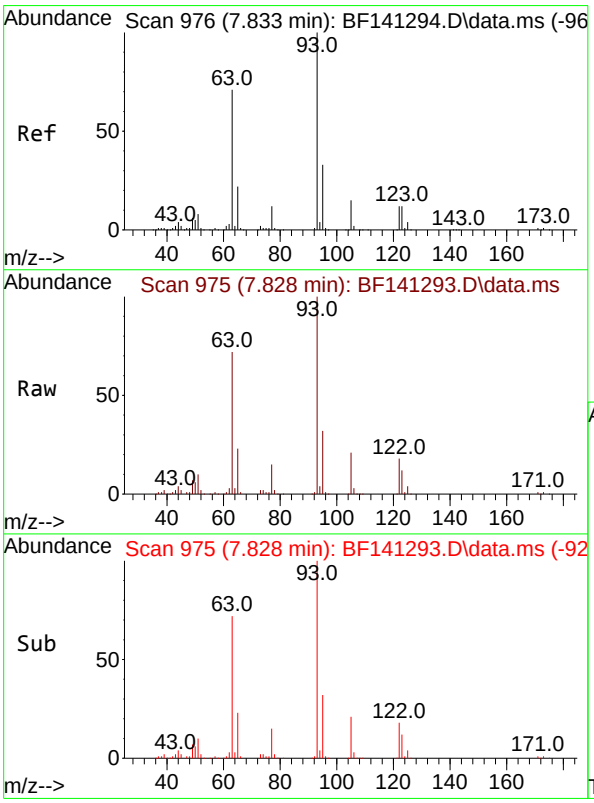
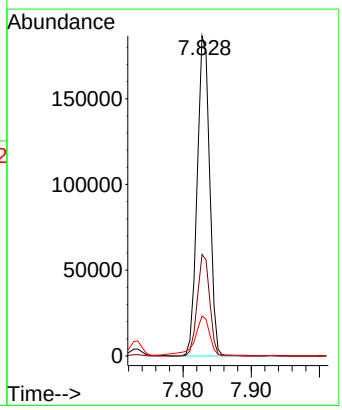
Supervised By :mohammad ahmed 02/04/2025

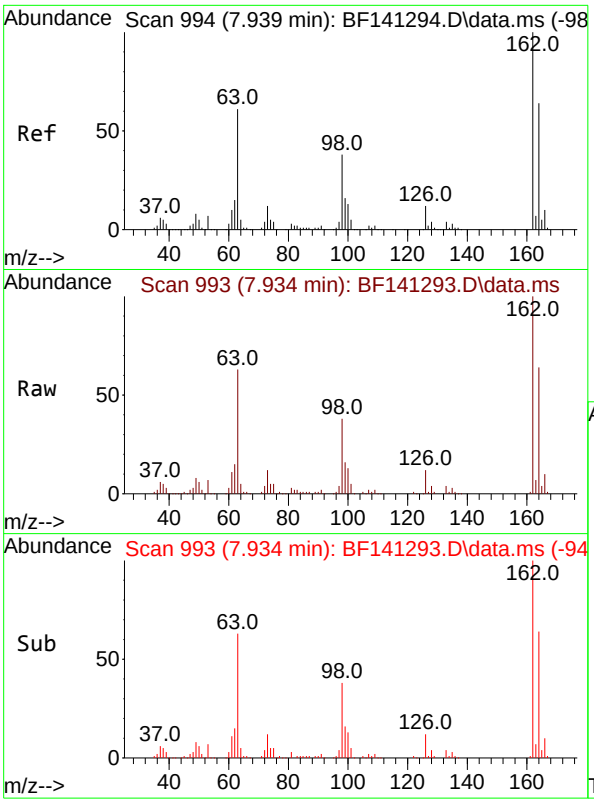


#28
bis(2-Chloroethoxy)methane
Concen: 21.403 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 93 Resp: 237369

Ion	Ratio	Lower	Upper
93	100		
95	31.7	26.2	39.2
123	12.5	10.2	15.4

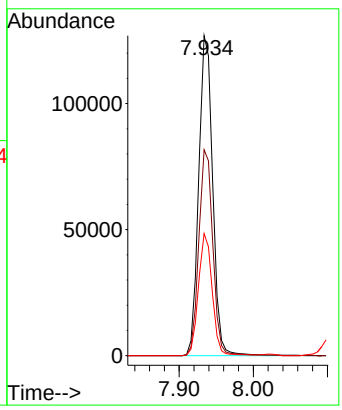




#29
2,4-Dichlorophenol
Concen: 21.750 ng
RT: 7.934 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 16615

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.1	18.2	58.2



Instrument :
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ClientSampleId :
SSTDICC020

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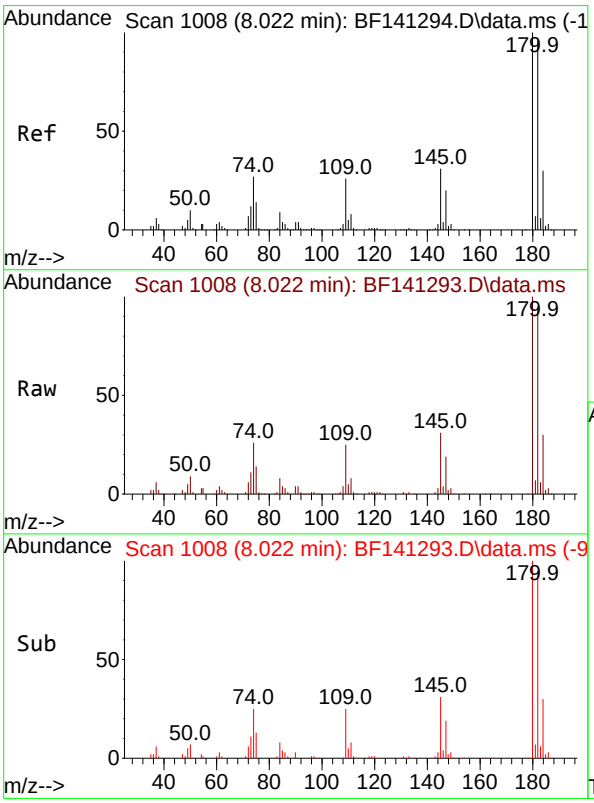
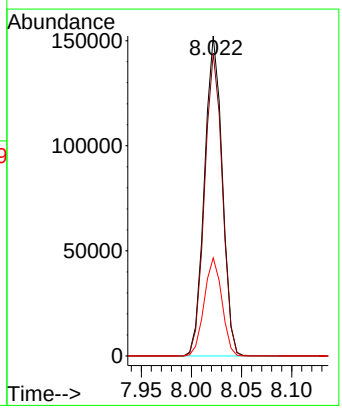
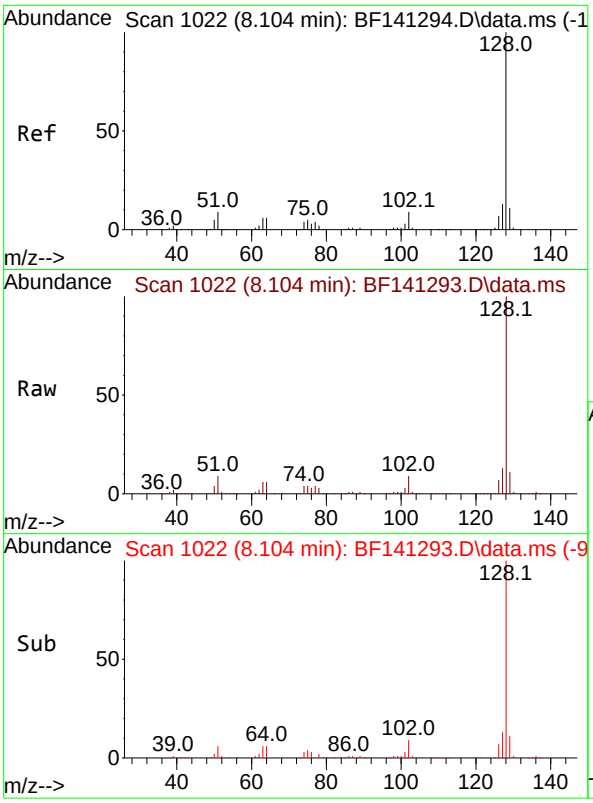


#30
1,2,4-Trichlorobenzene
Concen: 21.511 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:180 Resp: 188468

Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.4	114.6
145	30.6	24.9	37.3

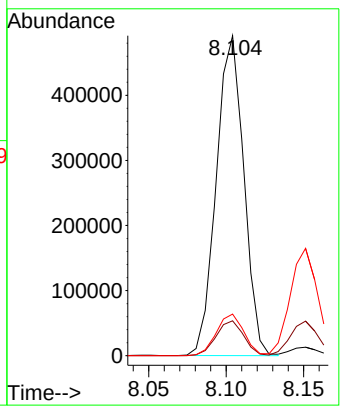




#31
Naphthalene
Concen: 21.681 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:128 Resp: 60762

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.6	15.8



Instrument :
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ClientSampleId :
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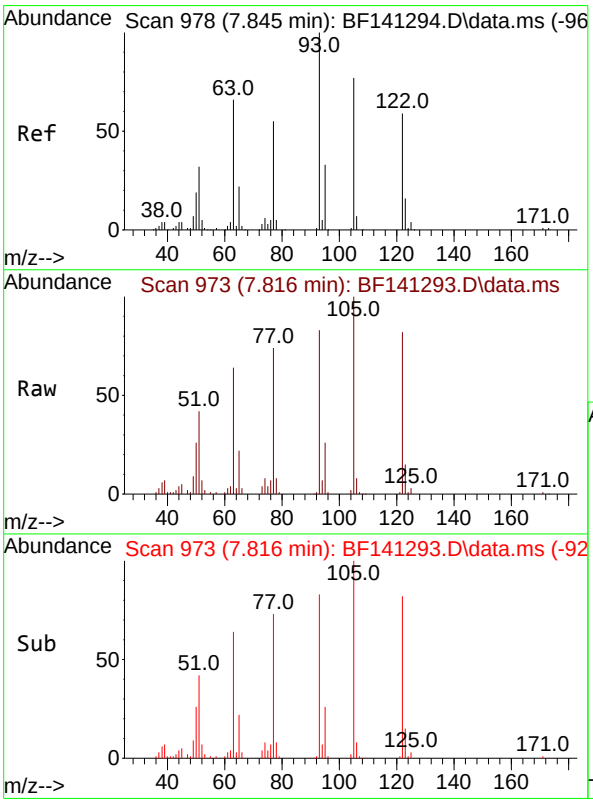
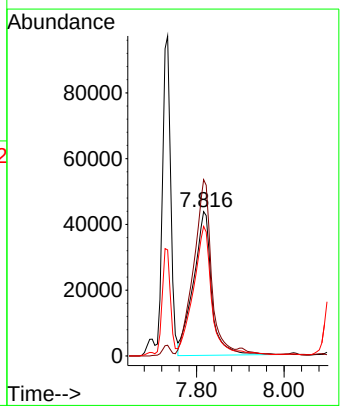
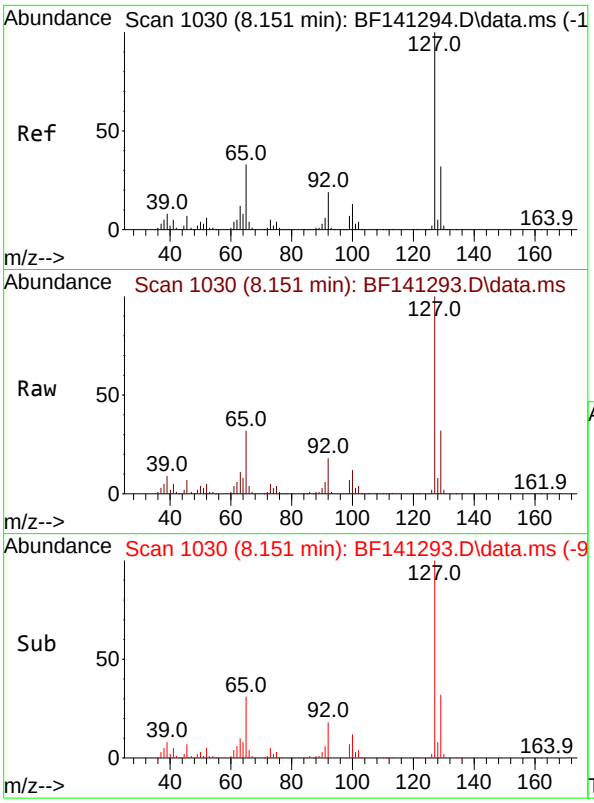


#32
Benzoic acid
Concen: 22.321 ng
RT: 7.816 min Scan# 973
Delta R.T. -0.029 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:122 Resp: 126734

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.4	143.4
77	89.9	70.9	110.9

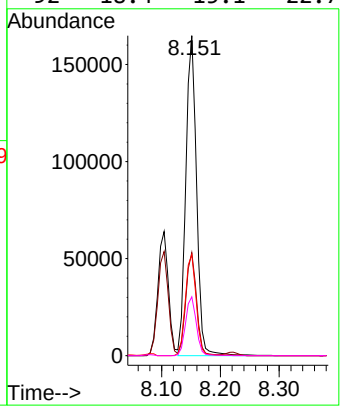




#33
4-Chloroaniline
Concen: 22.151 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:127 Resp: 20853

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	31.6	26.4	39.6
92	18.4	15.1	22.7



Instrument :
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ClientSampleId :
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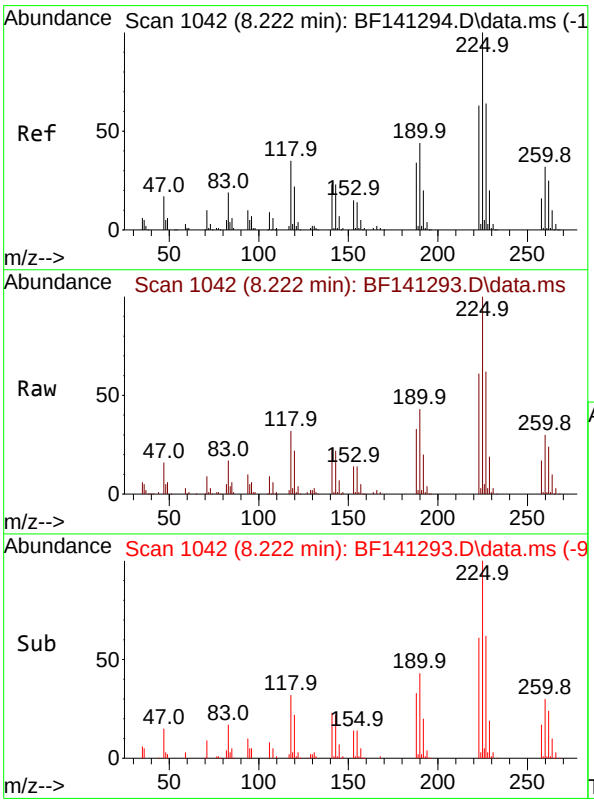
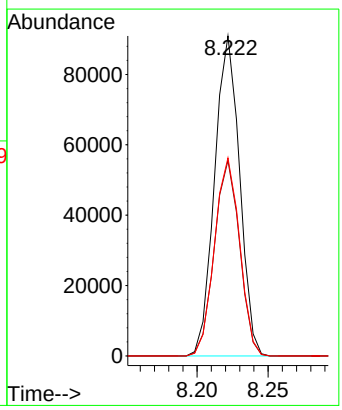
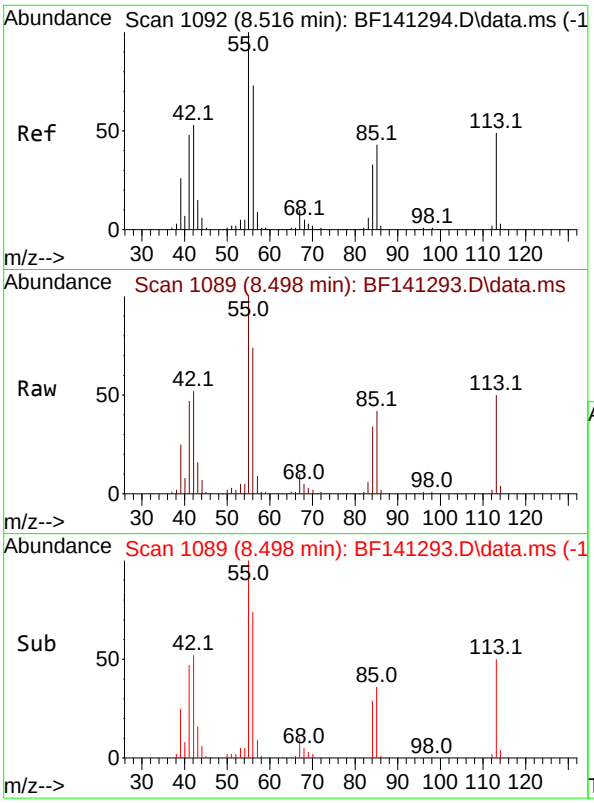


#34
Hexachlorobutadiene
Concen: 21.699 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:225 Resp: 111274

Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.4	75.6
227	61.9	51.3	76.9

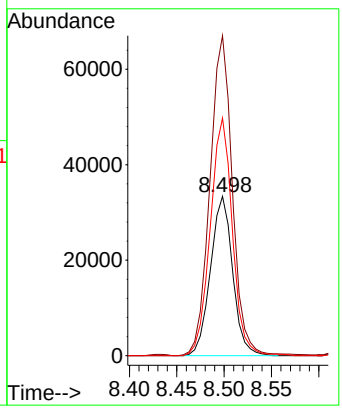




#35
Caprolactam
Concen: 21.968 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:113 Resp: 5428

Ion	Ratio	Lower	Upper
113	100		
55	200.9	182.9	222.9
56	149.2	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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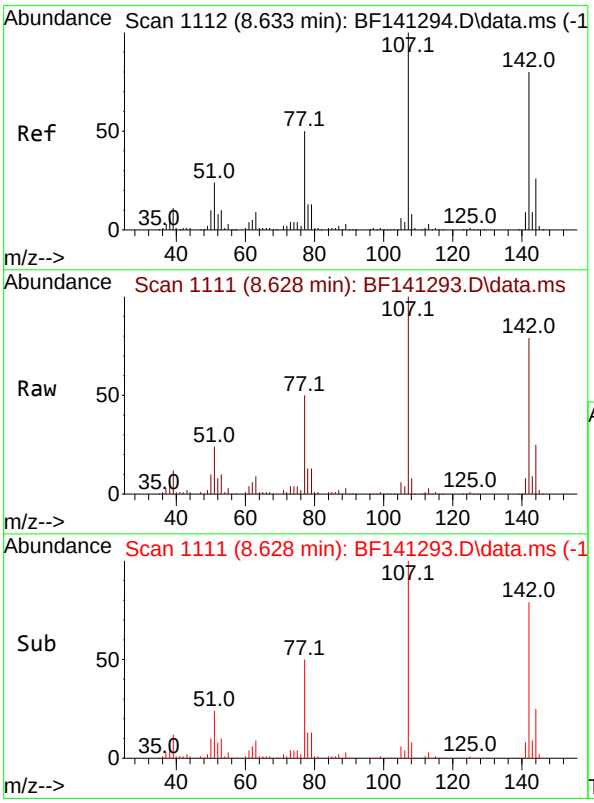
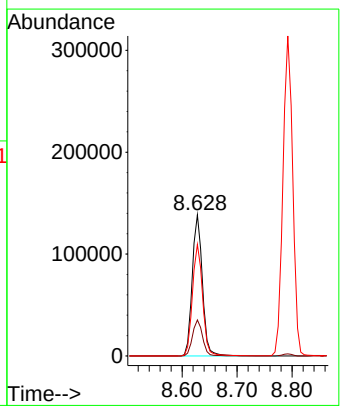
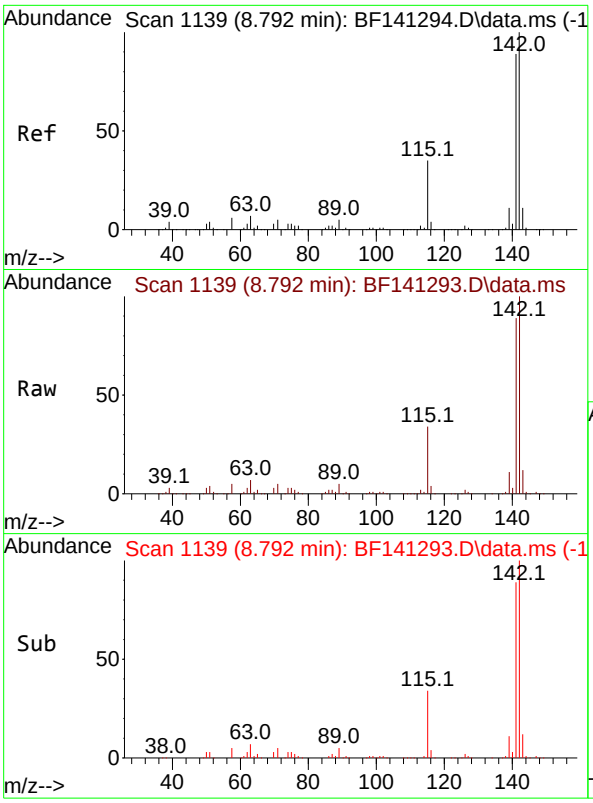


#36
4-Chloro-3-methylphenol
Concen: 21.708 ng
RT: 8.628 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:107 Resp: 177981

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.0	63.8	95.8

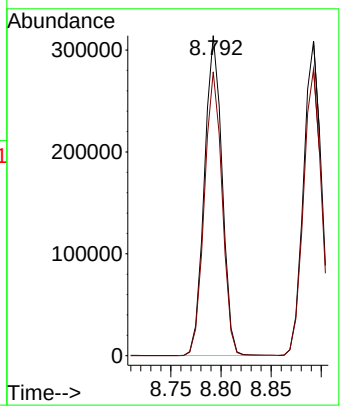




#37
2-Methylnaphthalene
Concen: 21.630 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 38603

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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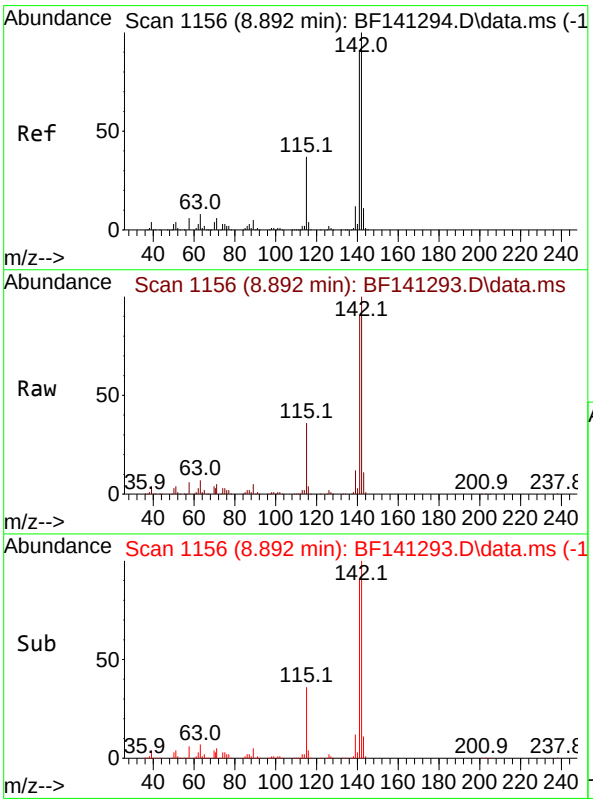
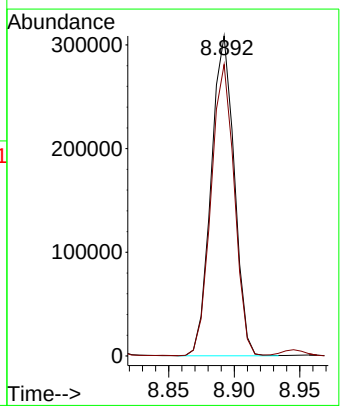
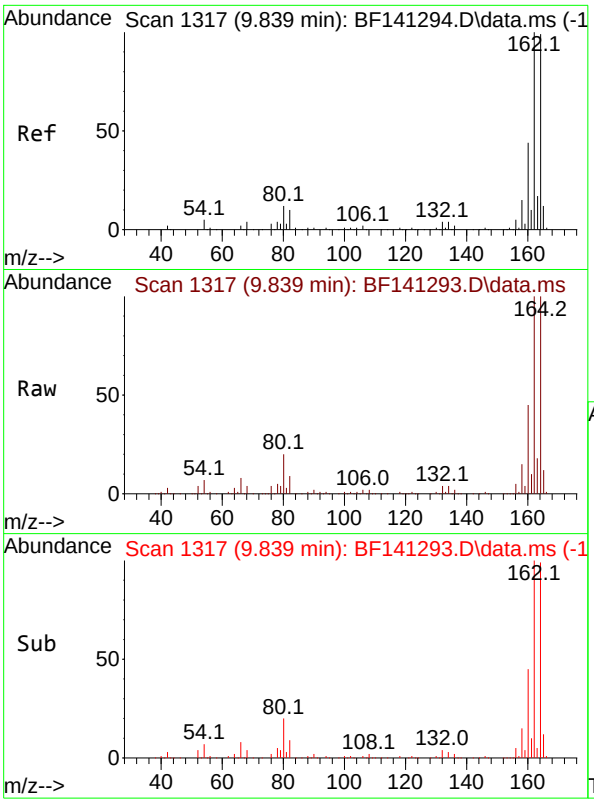


#38
1-Methylnaphthalene
Concen: 21.671 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:142 Resp: 378878

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

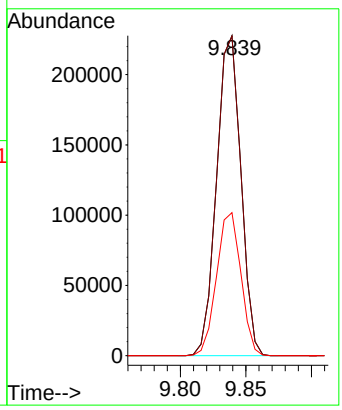




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:164 Resp: 29308

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	44.7	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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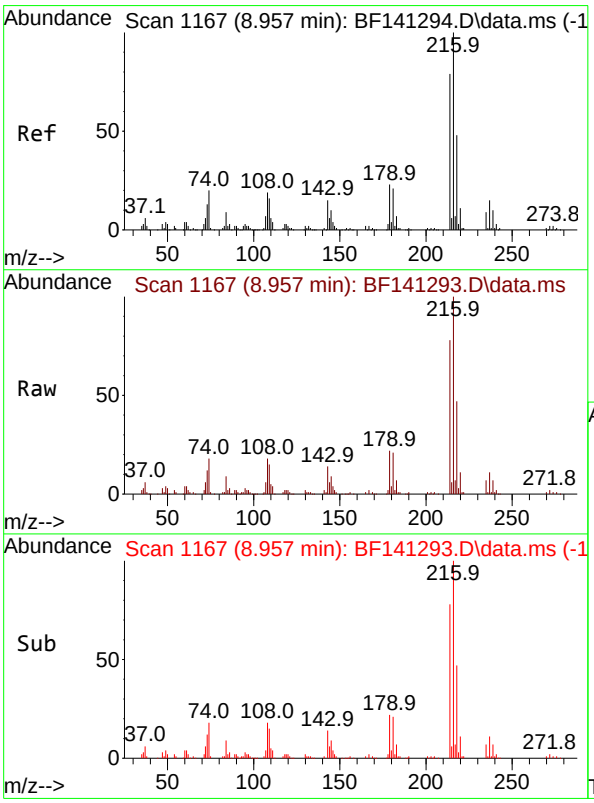
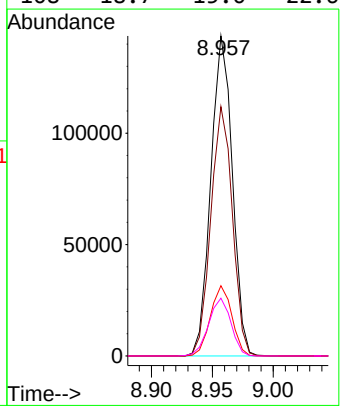
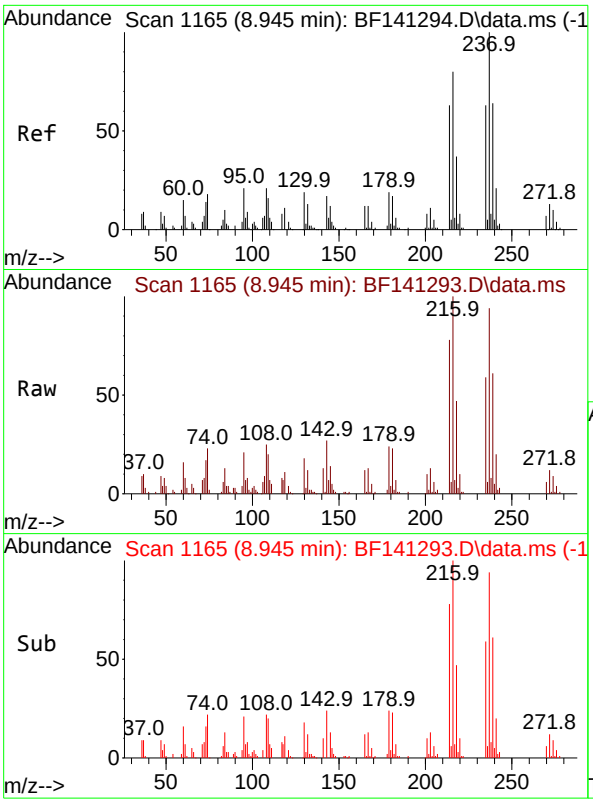


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.209 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:216 Resp: 176736

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	21.9	17.8	26.8
108	18.7	15.0	22.6

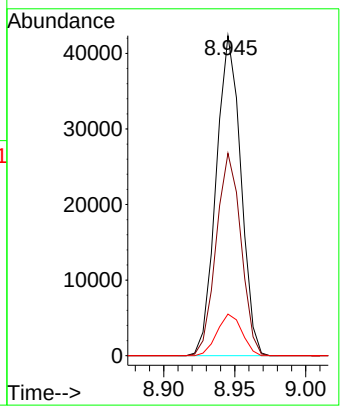




#41
Hexachlorocyclopentadiene
Concen: 20.438 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:237 Resp: 5111

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.9	82.9
272	13.0	0.0	32.8



Instrument :
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ClientSampleId :
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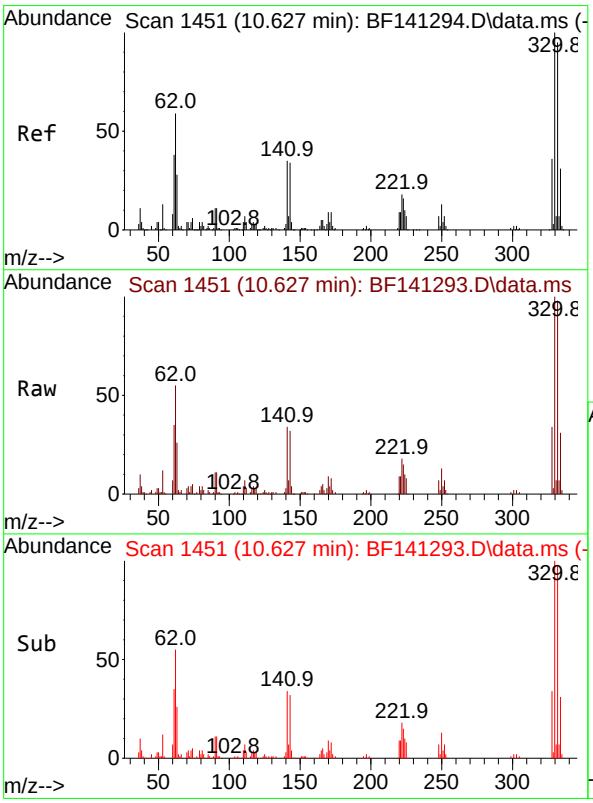
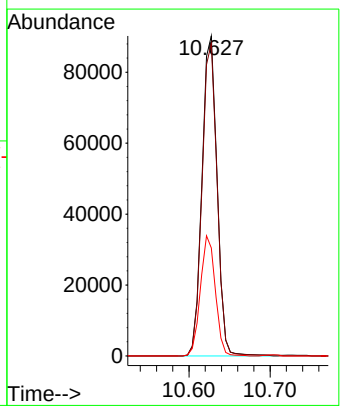
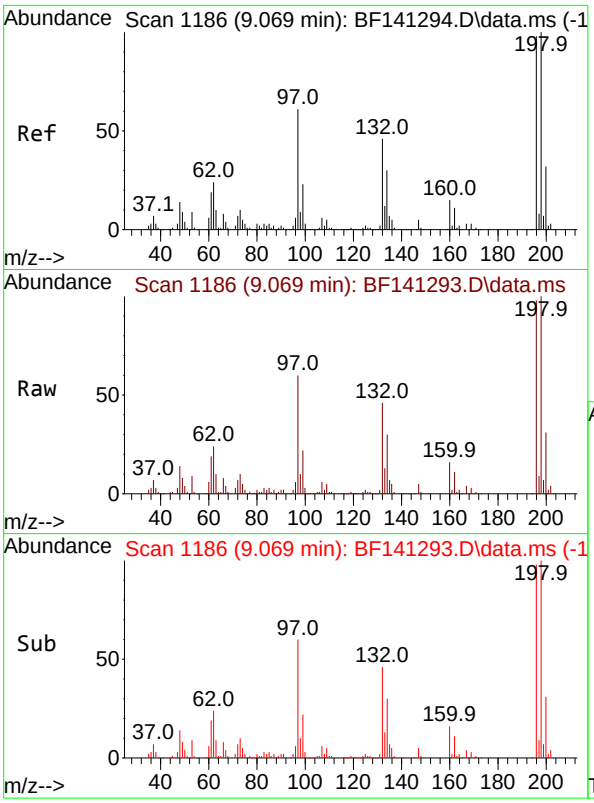


#42
2,4,6-Tribromophenol
Concen: 43.498 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:330 Resp: 116167

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	37.2	28.8	43.2

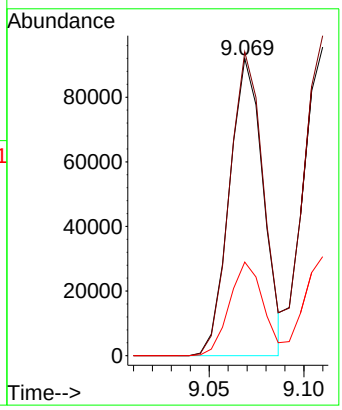




#43
2,4,6-Trichlorophenol
Concen: 21.029 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 11439

Ion	Ratio	Lower	Upper
196	100		
198	102.3	81.8	122.6
200	31.5	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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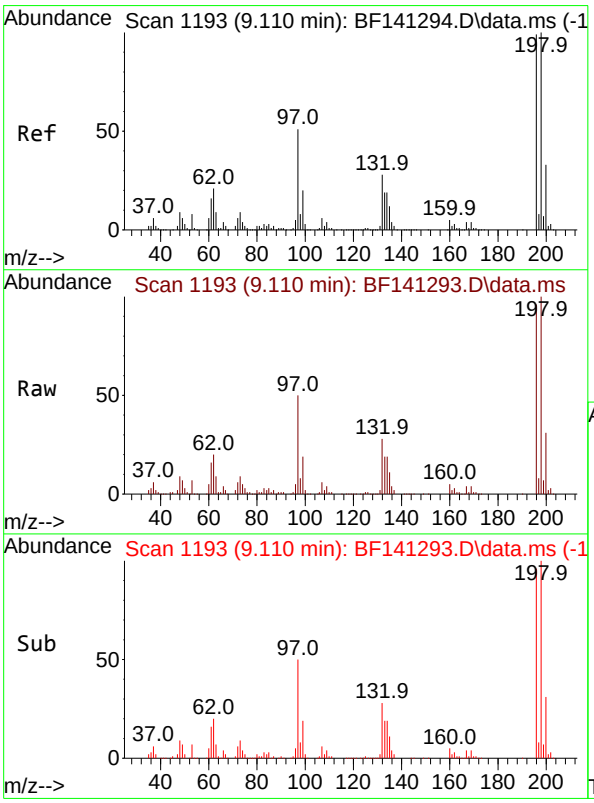
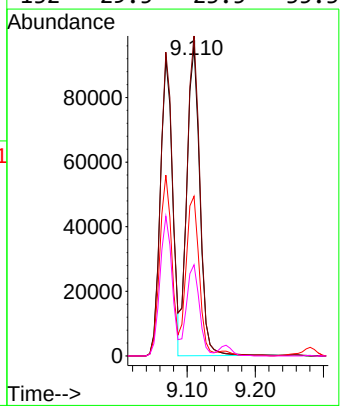
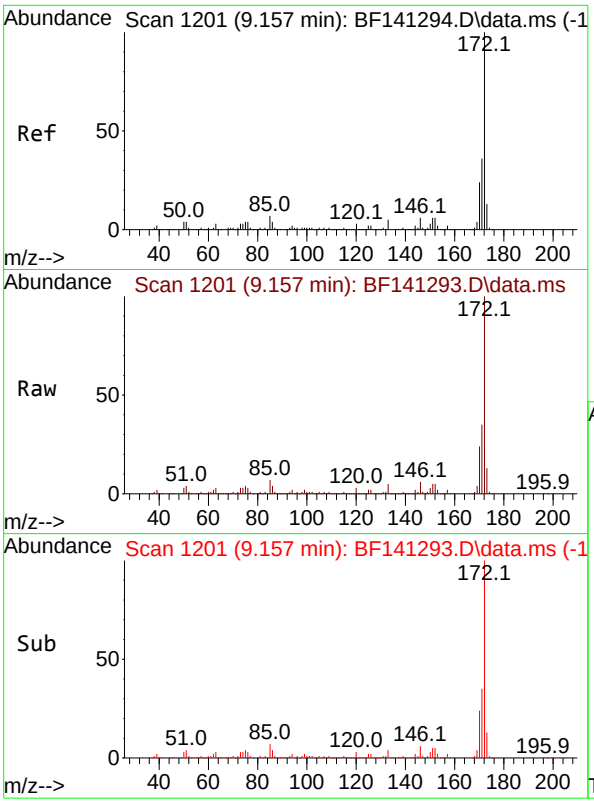


#44
2,4,5-Trichlorophenol
Concen: 21.245 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:196 Resp: 125725

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.5	120.7
97	51.8	42.8	64.2
132	29.5	23.5	35.3

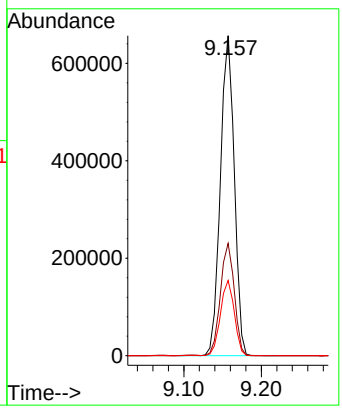




#45
2-Fluorobiphenyl
Concen: 43.127 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:172 Resp: 81937

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.5	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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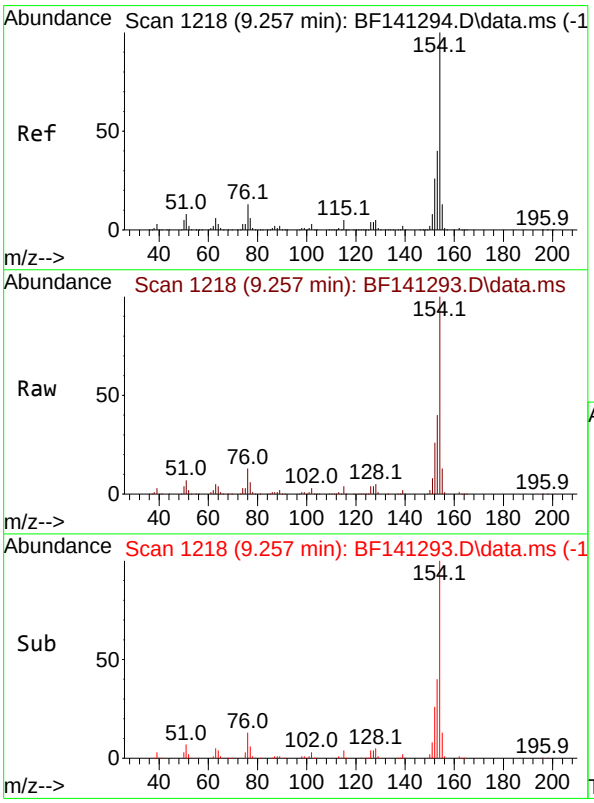
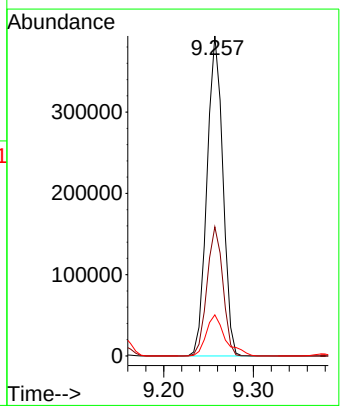
Supervised By :mohammad ahmed 02/04/2025

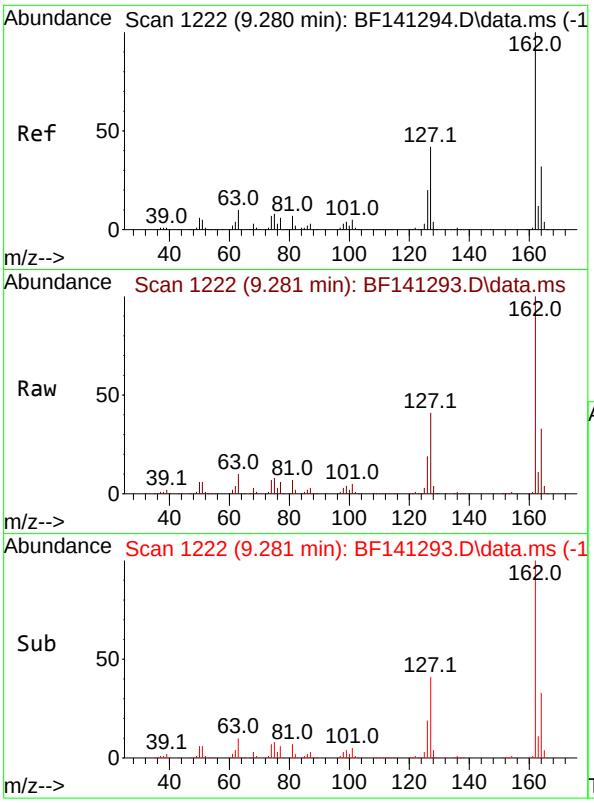


#46
1,1'-Biphenyl
Concen: 21.145 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 483479

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	12.8	0.0	32.8

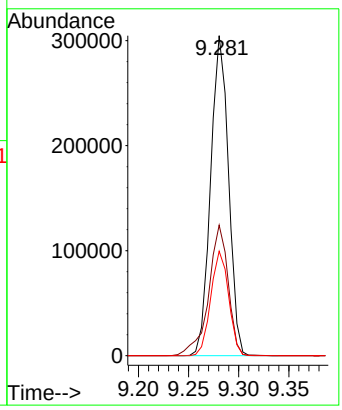




#47
2-Chloronaphthalene
Concen: 21.282 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:162 Resp: 37794

Ion	Ratio	Lower	Upper
162	100		
127	40.8	33.7	50.5
164	32.7	25.9	38.9



Instrument :
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ClientSampleId :
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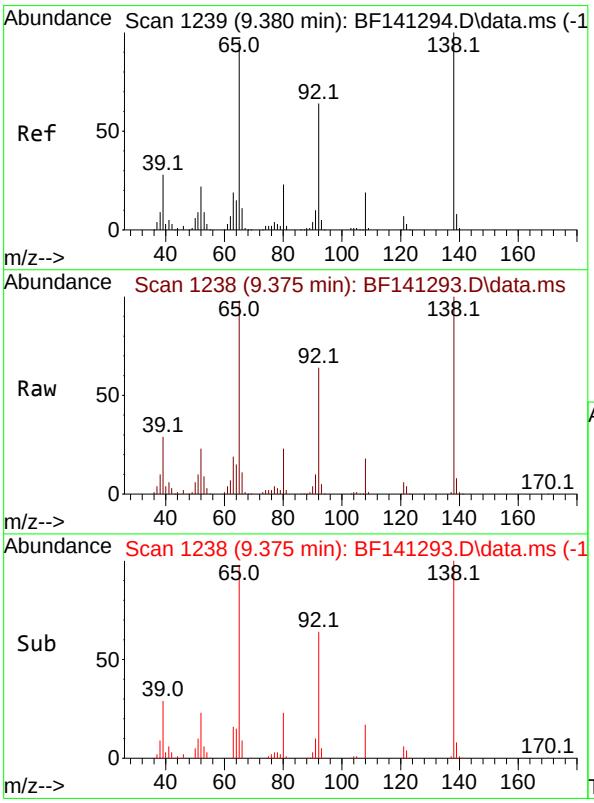
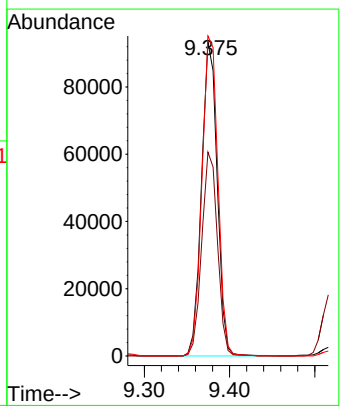
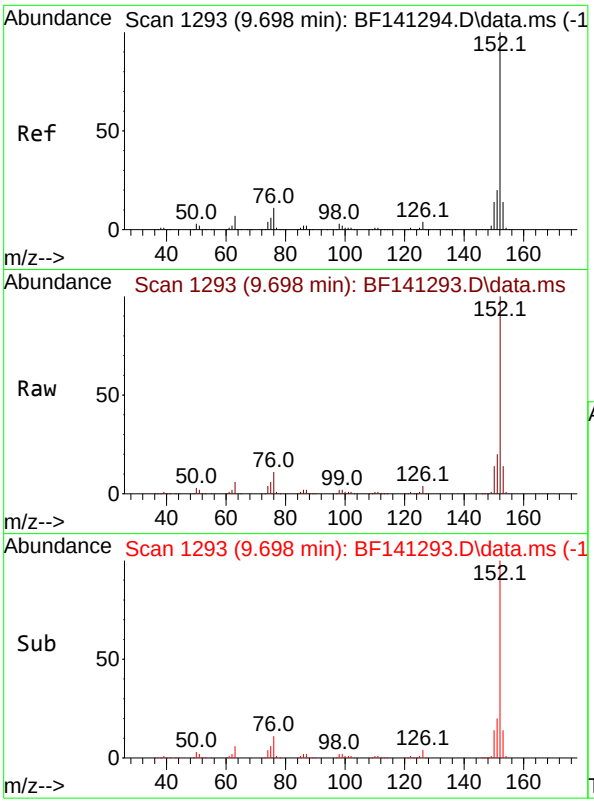


#48
2-Nitroaniline
Concen: 21.310 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 65 Resp: 119359

Ion	Ratio	Lower	Upper
65	100		
92	64.9	53.3	79.9
138	102.0	83.6	125.4

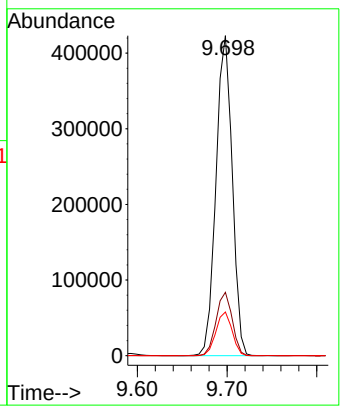




#49
Acenaphthylene
Concen: 21.328 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:152 Resp: 53195

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	13.7	11.0	16.6



Instrument :
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ClientSampleId :
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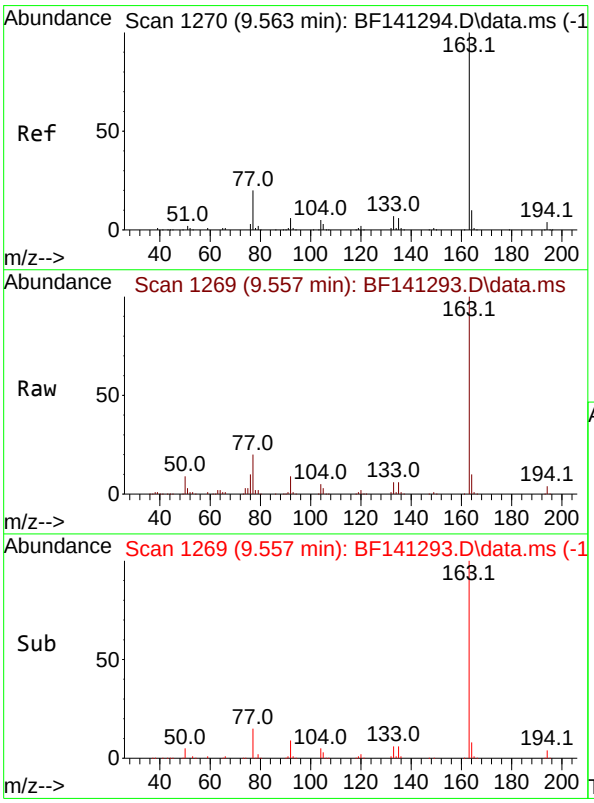
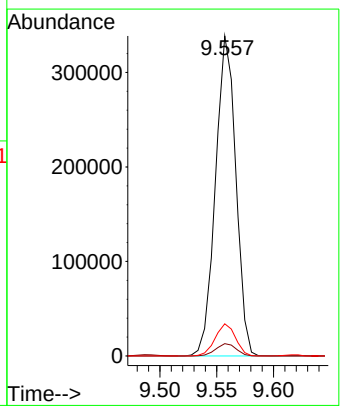
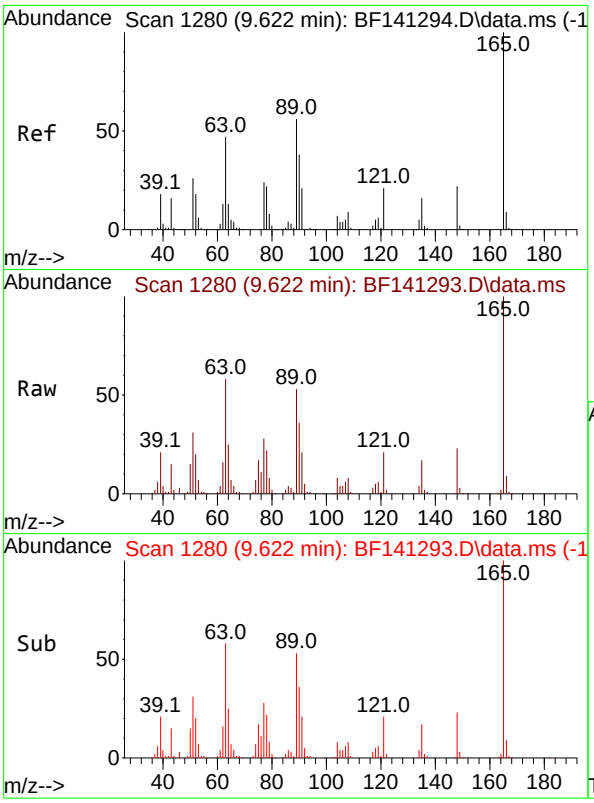


#50
Dimethylphthalate
Concen: 21.542 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:163 Resp: 423377

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0

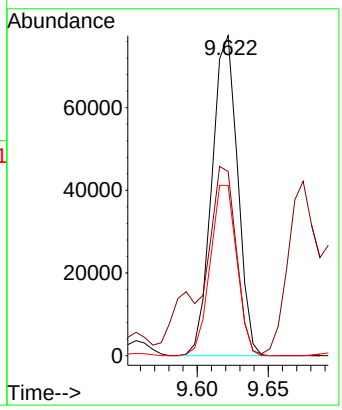




#51
2,6-Dinitrotoluene
Concen: 21.345 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 9762

Ion	Ratio	Lower	Upper
165	100		
63	57.6	48.1	72.1
89	53.2	44.9	67.3



Instrument :
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ClientSampleId :
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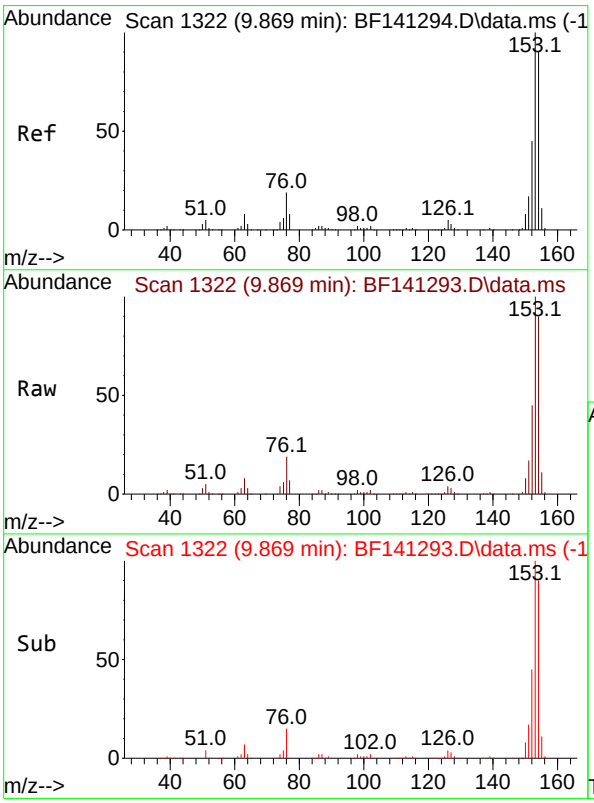
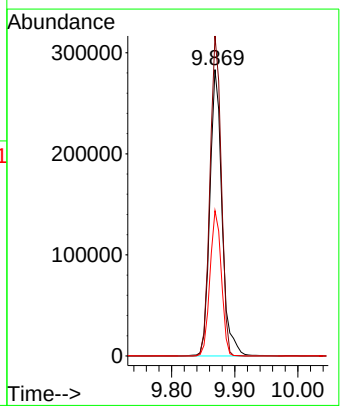
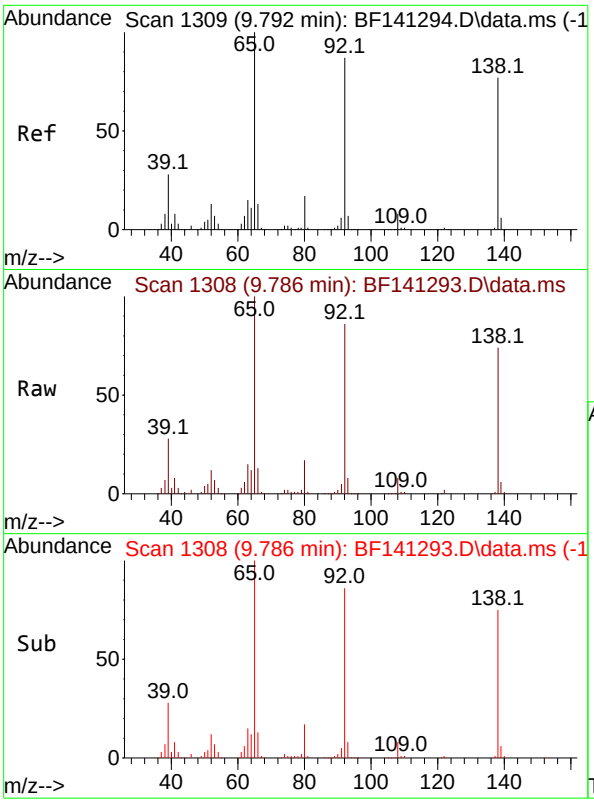


#52
Acenaphthene
Concen: 21.328 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:154 Resp: 378511

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.0	133.4
152	50.7	40.2	60.4





#53
3-Nitroaniline
Concen: 22.123 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 10008

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	115.8	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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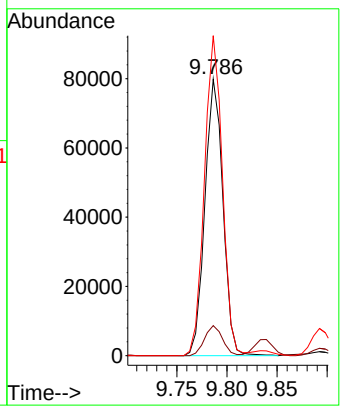
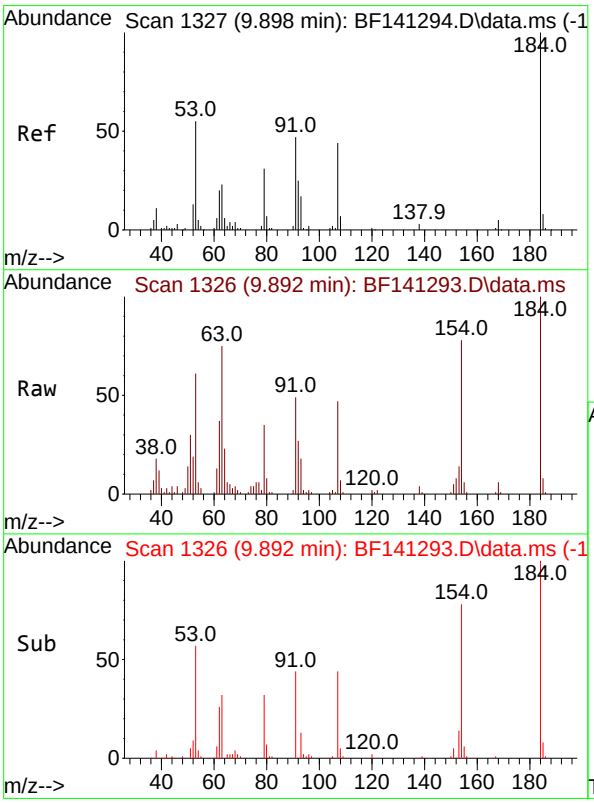
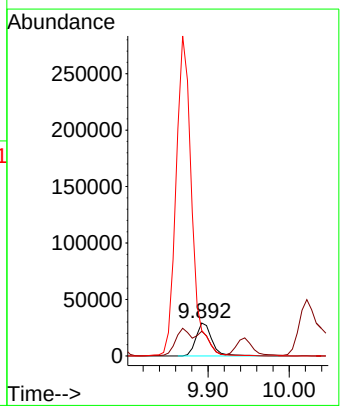


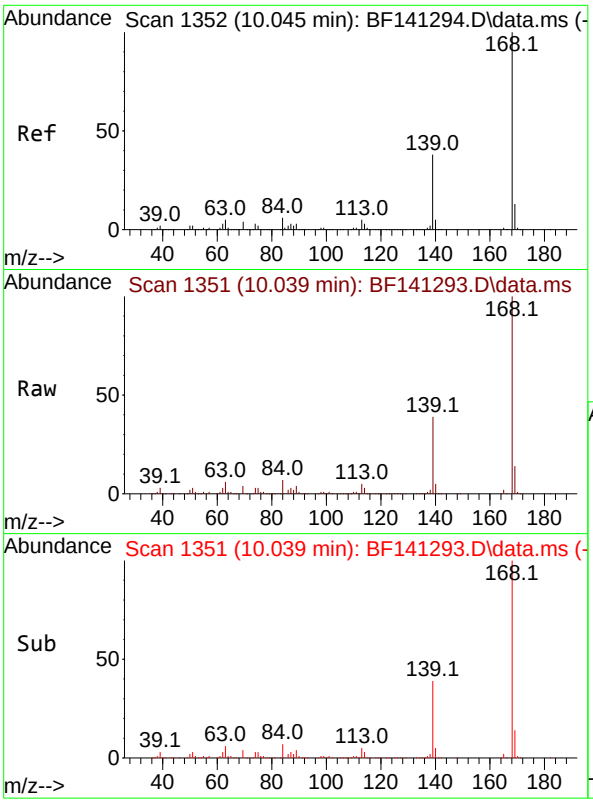


#54
2,4-Dinitrophenol
Concen: 18.557 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 40003

Ion	Ratio	Lower	Upper
184	100		
63	75.1	54.1	81.1
154	78.0	50.7	76.1#

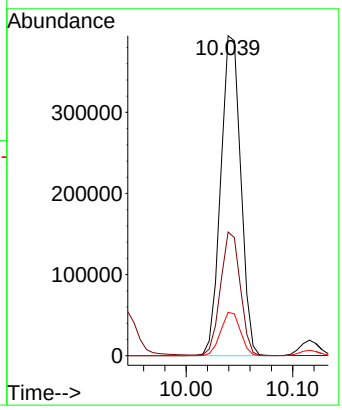




#55
Dibenzofuran
Concen: 21.665 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:168 Resp: 51422

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.6	46.0
169	13.5	10.8	16.2



Instrument :
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ClientSampleId :
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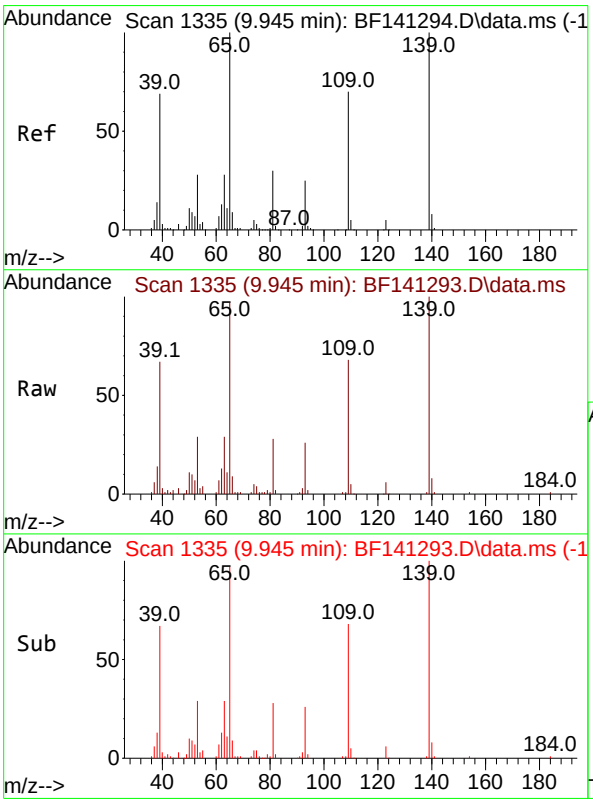
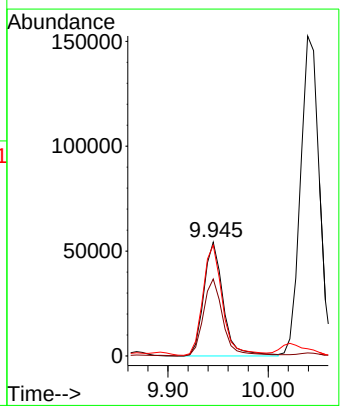
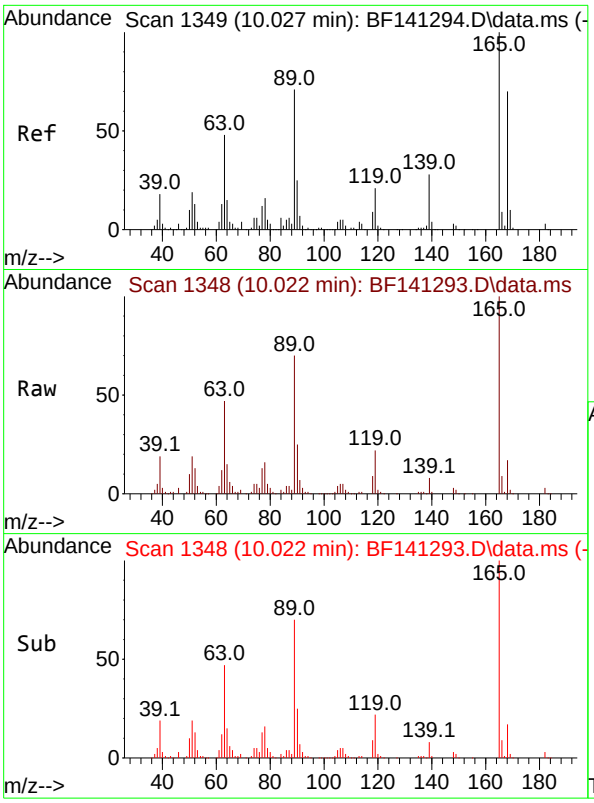


#56
4-Nitrophenol
Concen: 22.607 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:139 Resp: 73425

Ion	Ratio	Lower	Upper
139	100		
109	67.7	50.2	90.2
65	97.5	80.6	120.6

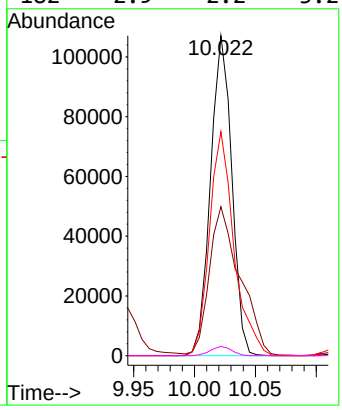




#57
2,4-Dinitrotoluene
Concen: 22.027 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:165 Resp: 12994

Ion	Ratio	Lower	Upper
165	100		
63	46.6	39.2	58.8
89	70.0	56.9	85.3
182	2.9	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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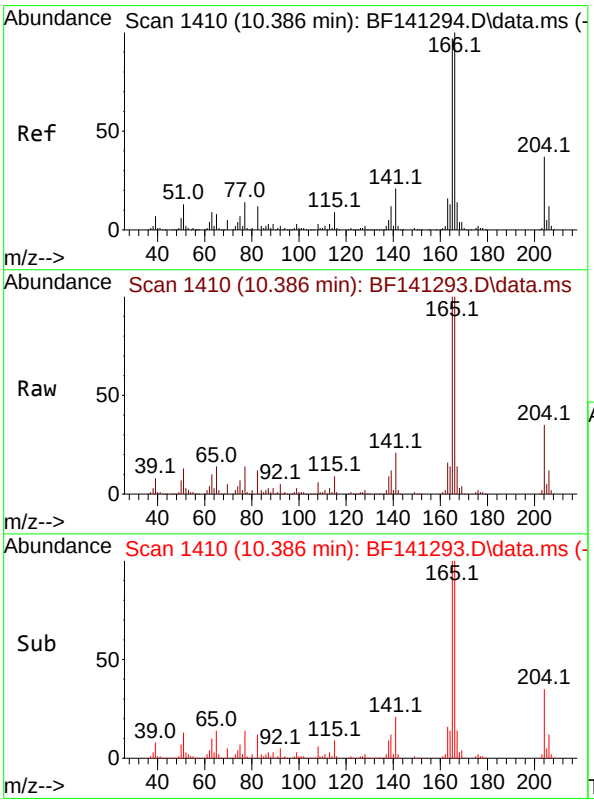
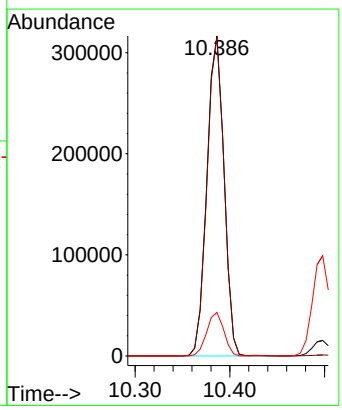
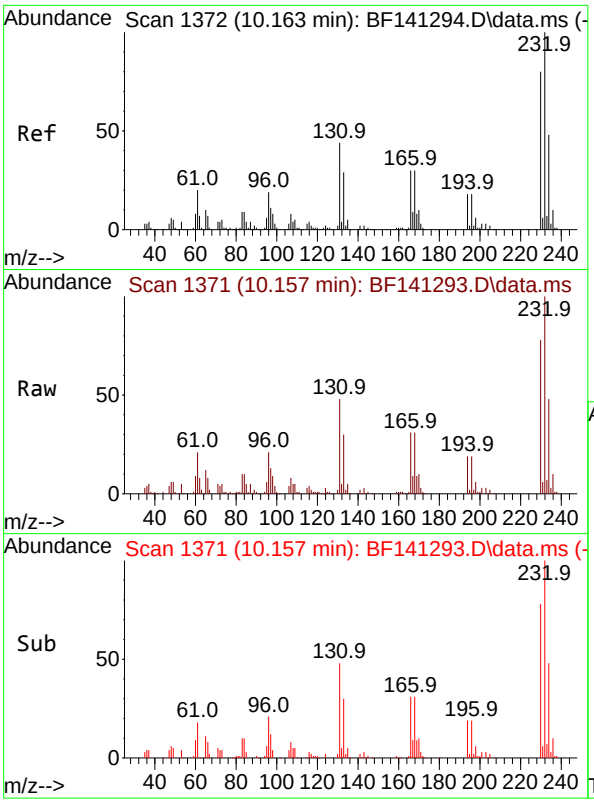


#58
Fluorene
Concen: 21.488 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:166 Resp: 396520

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.5	116.3
167	13.6	10.9	16.3

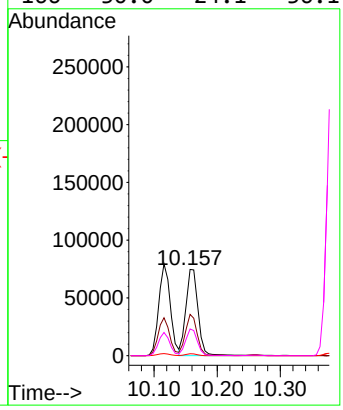




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.354 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:232 Resp: 9984

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.4	54.6
130	2.0	1.9	2.9
166	30.0	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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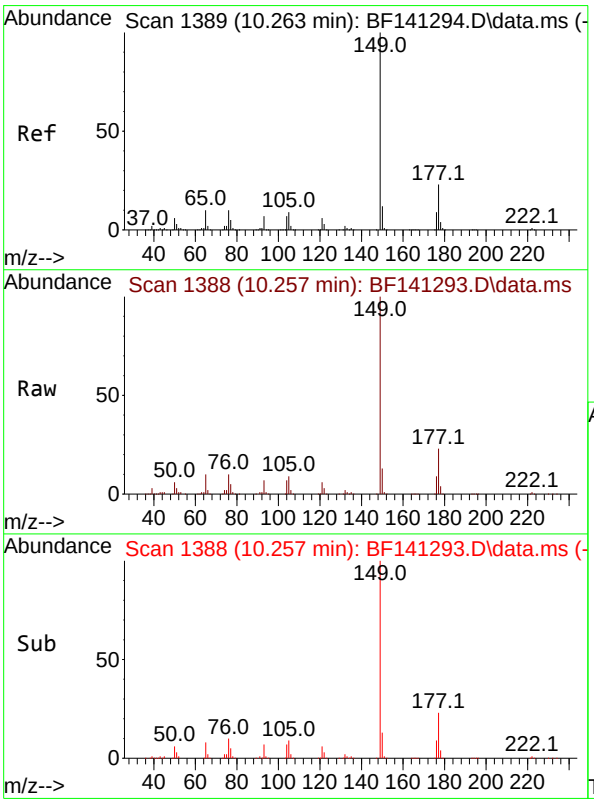
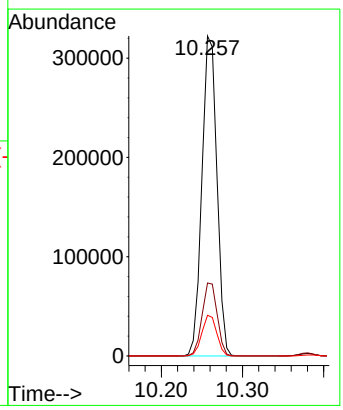
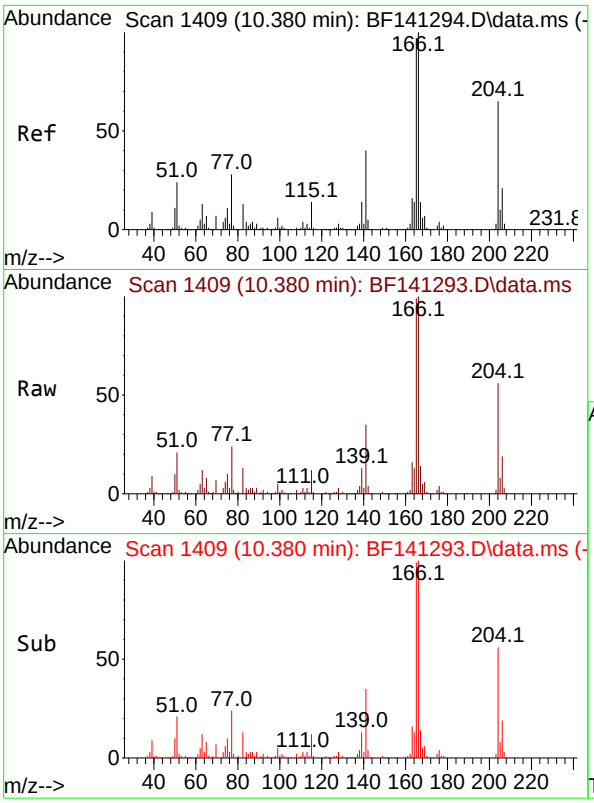


#60
Diethylphthalate
Concen: 21.745 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 413889

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0

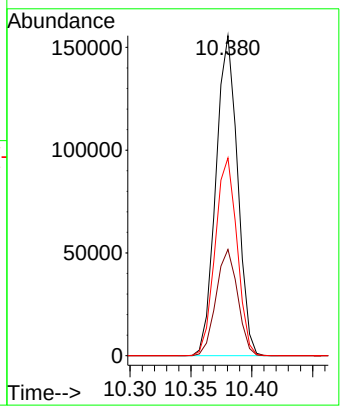




#61
4-Chlorophenyl-phenylether
Concen: 21.446 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:204 Resp: 19313

Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.9	38.9
141	61.8	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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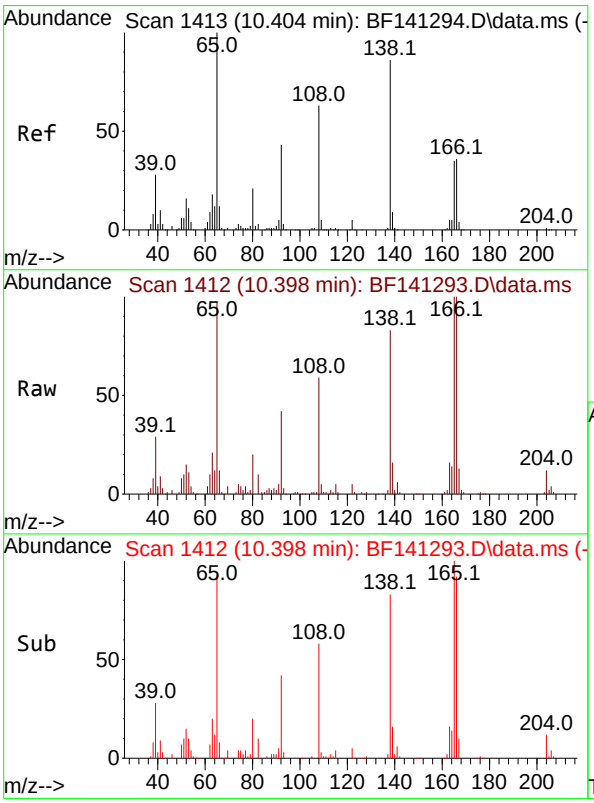
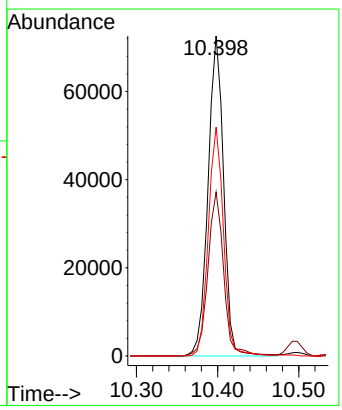
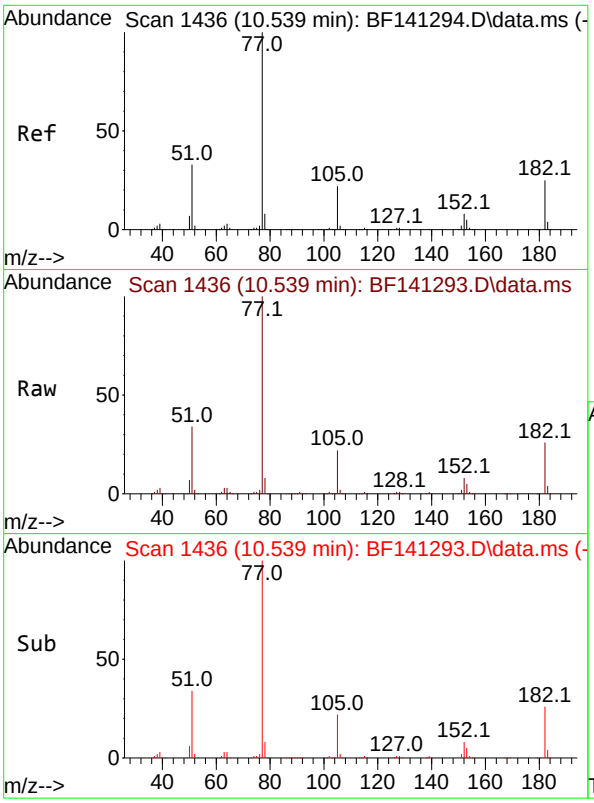


#62
4-Nitroaniline
Concen: 22.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:138 Resp: 96692

Ion	Ratio	Lower	Upper
138	100		
92	51.2	30.1	70.1
108	71.5	53.1	93.1

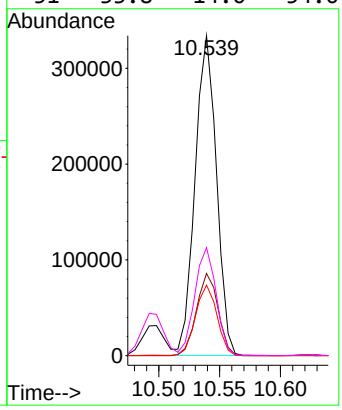




#63
Azobenzene
Concen: 21.358 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion: 77 Resp: 40749

Ion	Ratio	Lower	Upper
77	100		
182	25.7	5.1	45.1
105	22.1	1.8	41.8
51	33.8	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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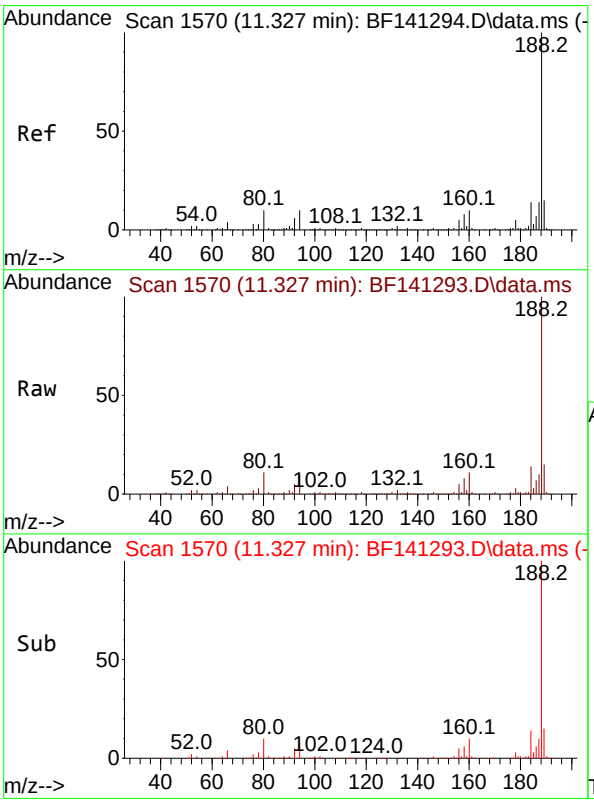
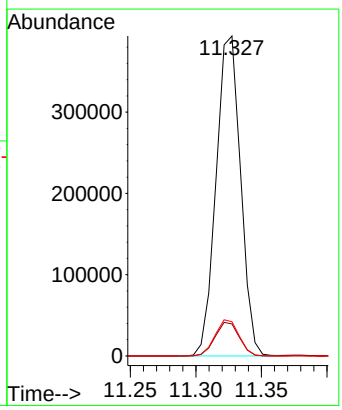
Supervised By :mohammad ahmed 02/04/2025

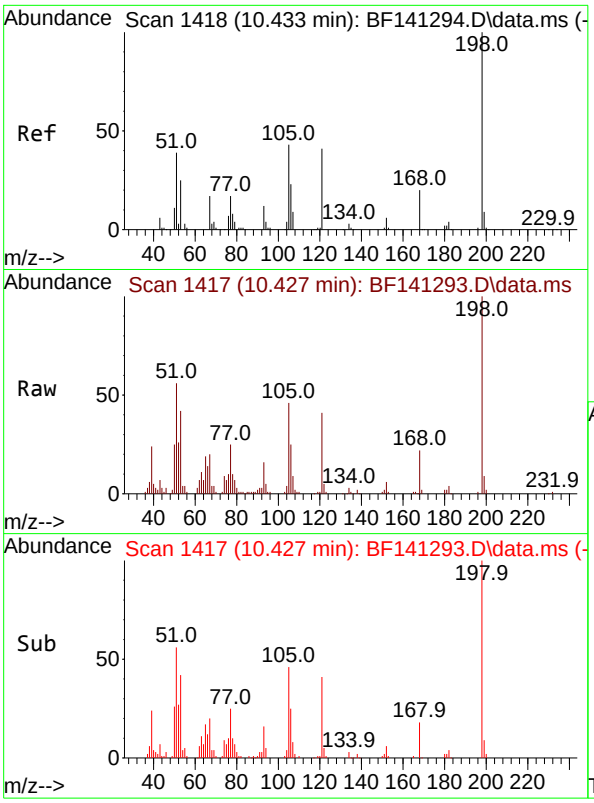


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:188 Resp: 511320

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.7	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 20.492 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:198 Resp: 6257

Ion	Ratio	Lower	Upper
198	100		
51	56.0	33.4	73.4
105	45.9	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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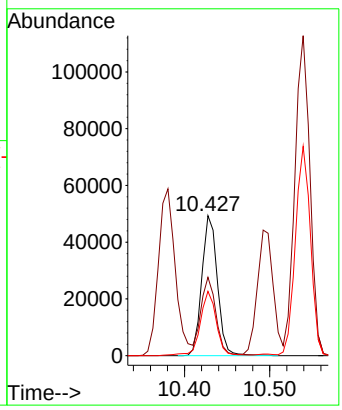
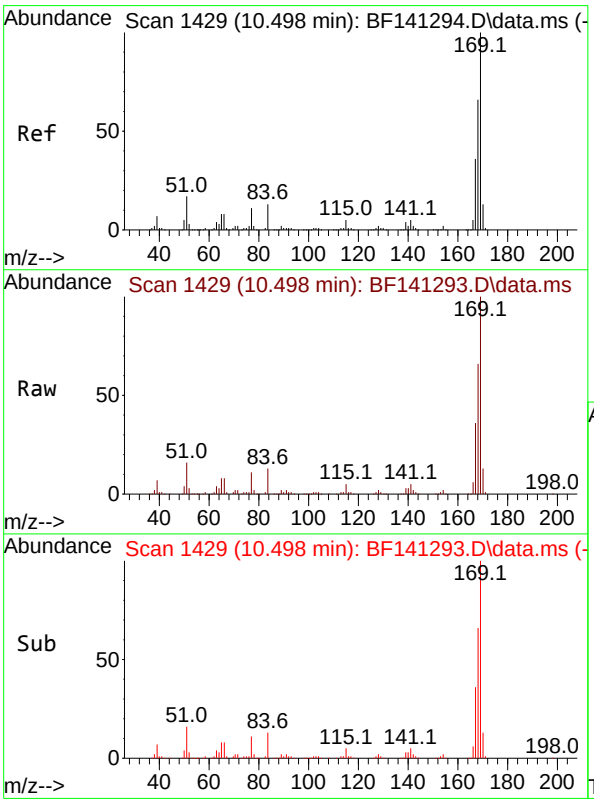
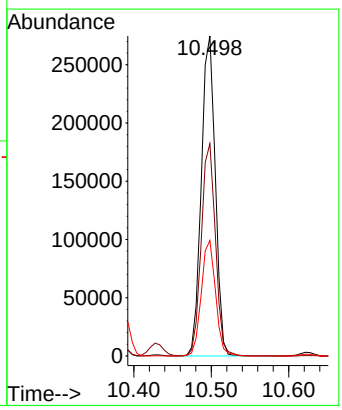


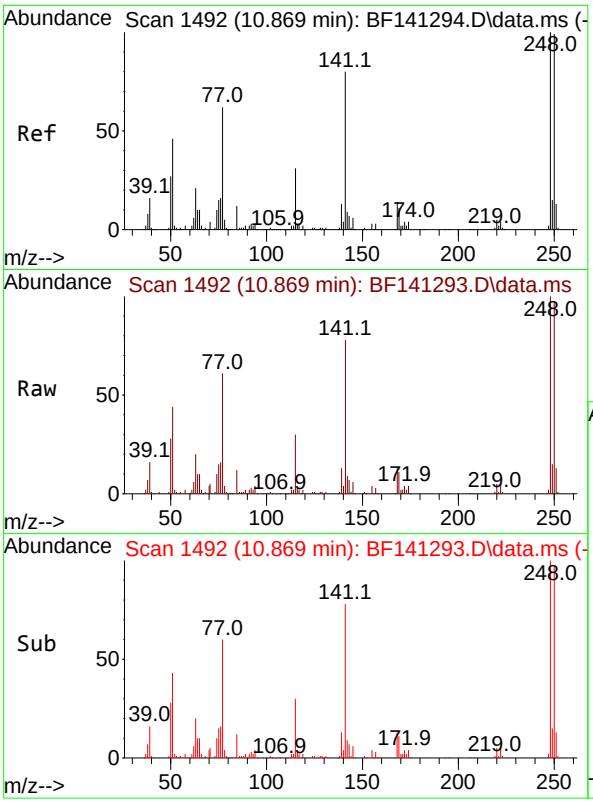


#66
n-Nitrosodiphenylamine
Concen: 20.773 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:169 Resp: 344387

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.4
167	36.1	28.8	43.2

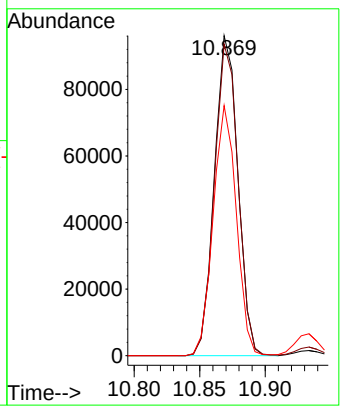




#67
4-Bromophenyl-phenylether
Concen: 20.967 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:248 Resp: 11984

Ion	Ratio	Lower	Upper
248	100		
250	97.3	79.0	118.4
141	78.1	63.7	95.5



Instrument :
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ClientSampleId :
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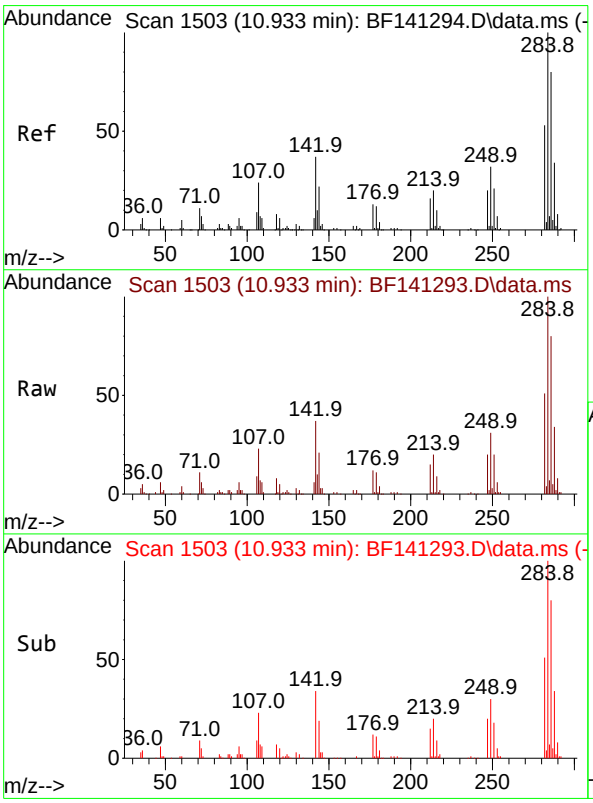
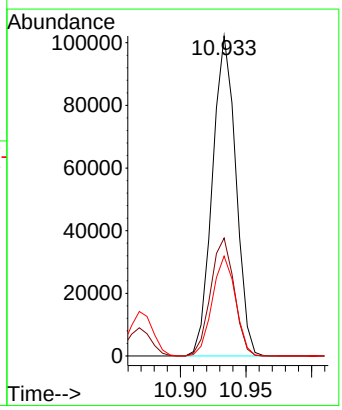
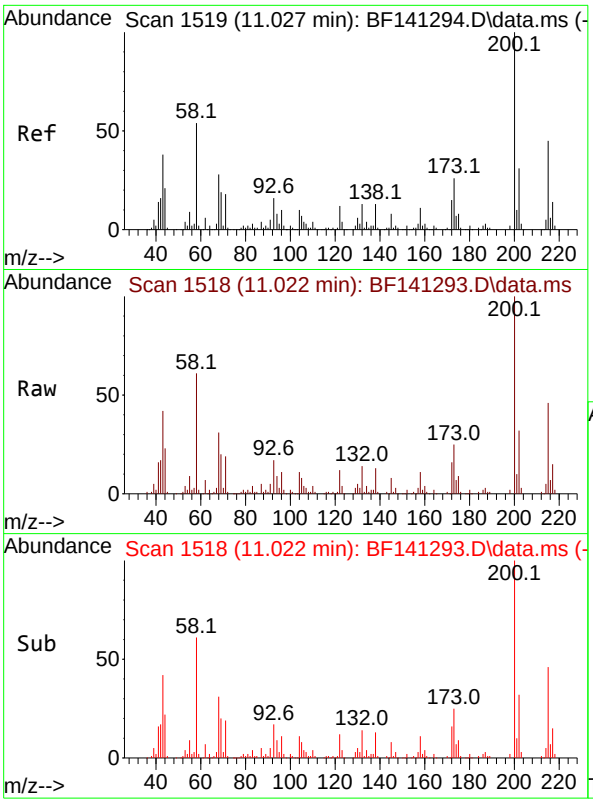


#68
Hexachlorobenzene
Concen: 20.917 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:284 Resp: 126823

Ion	Ratio	Lower	Upper
284	100		
142	36.8	29.5	44.3
249	31.2	25.4	38.2

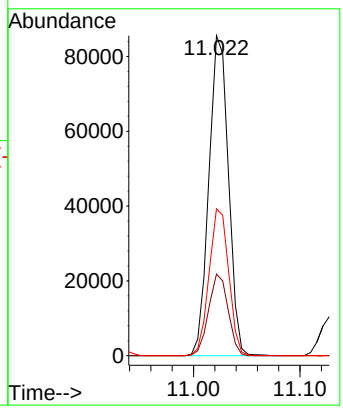




#69
Atrazine
Concen: 19.627 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:200 Resp: 10913

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.9	45.9
215	45.9	25.2	65.2



Instrument :
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ClientSampleId :
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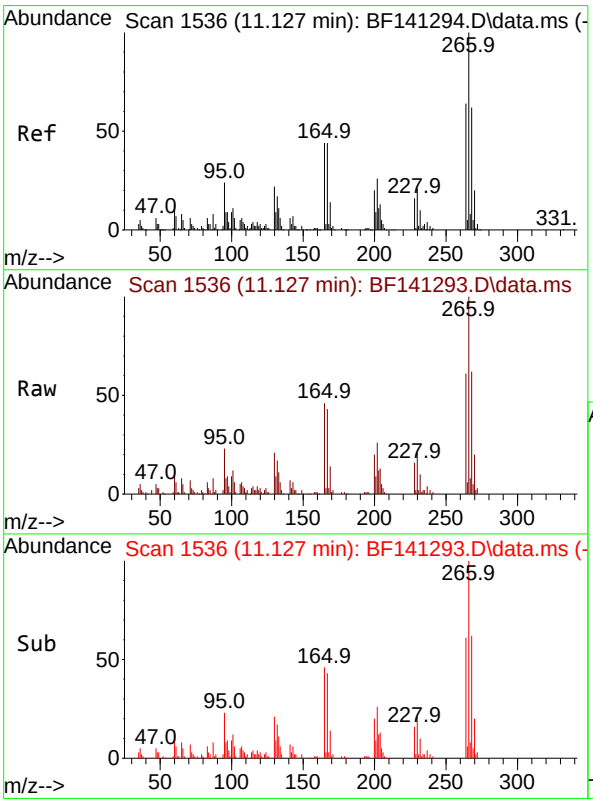
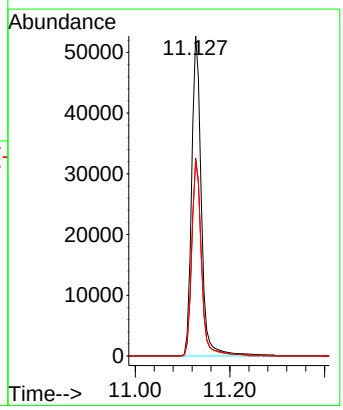
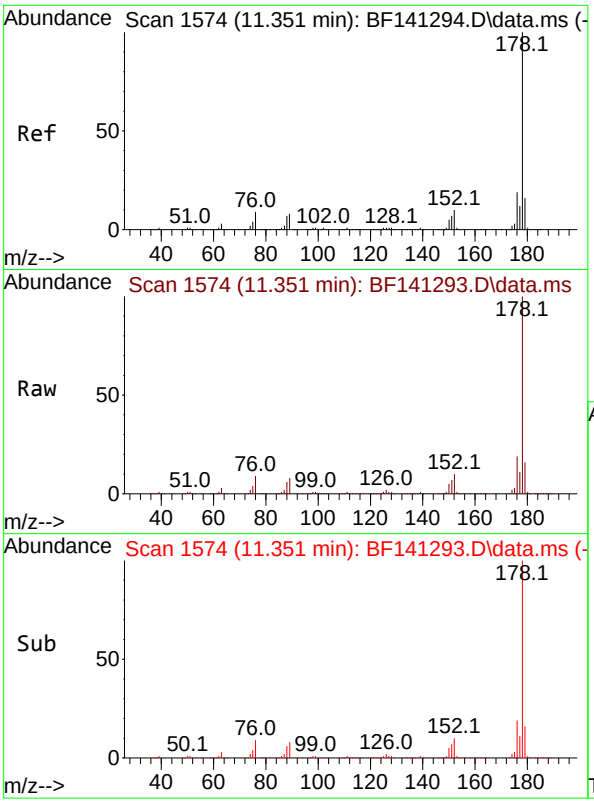


#70
Pentachlorophenol
Concen: 20.958 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:266 Resp: 74508

Ion	Ratio	Lower	Upper
266	100		
268	61.8	49.9	74.9
264	61.2	51.0	76.4

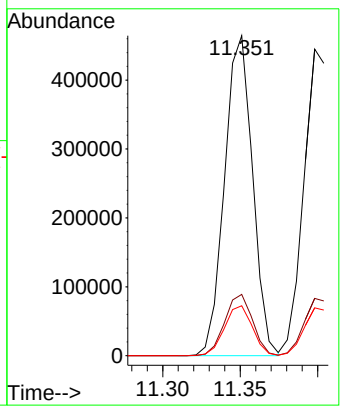




#71
Phenanthrene
Concen: 21.262 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 58402

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7



Instrument :
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ClientSampleId :
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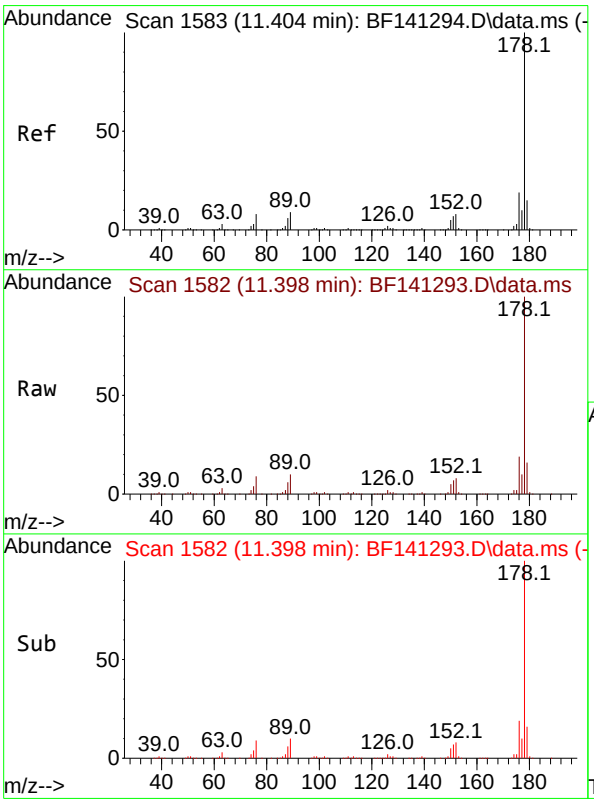
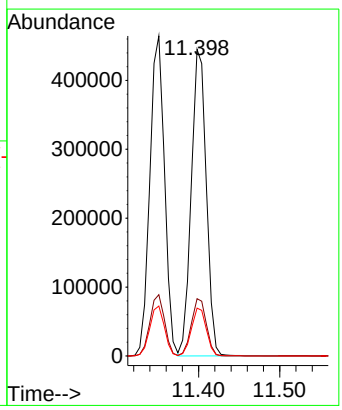
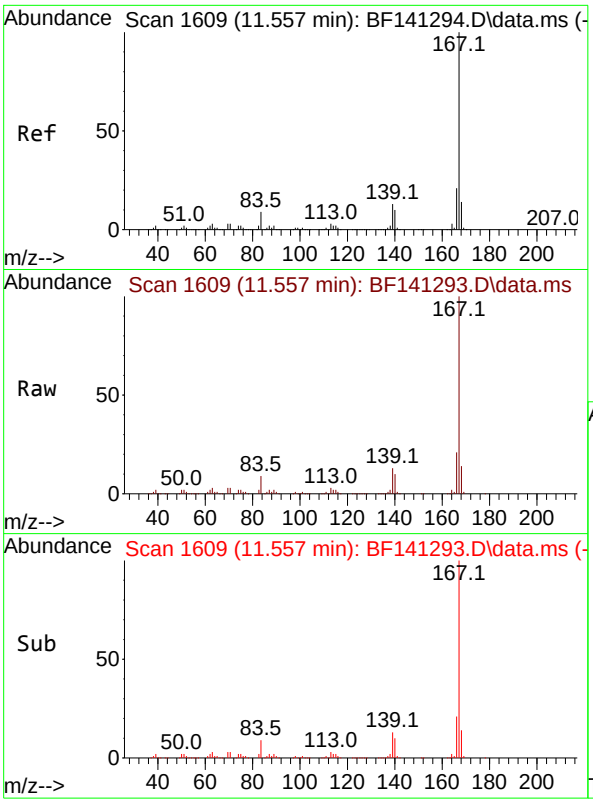


#72
Anthracene
Concen: 21.377 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:178 Resp: 572743

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

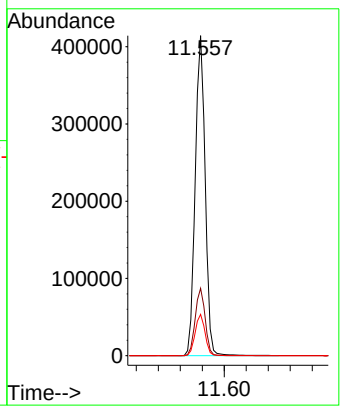




#73
Carbazole
Concen: 22.000 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:167 Resp: 52210

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.9	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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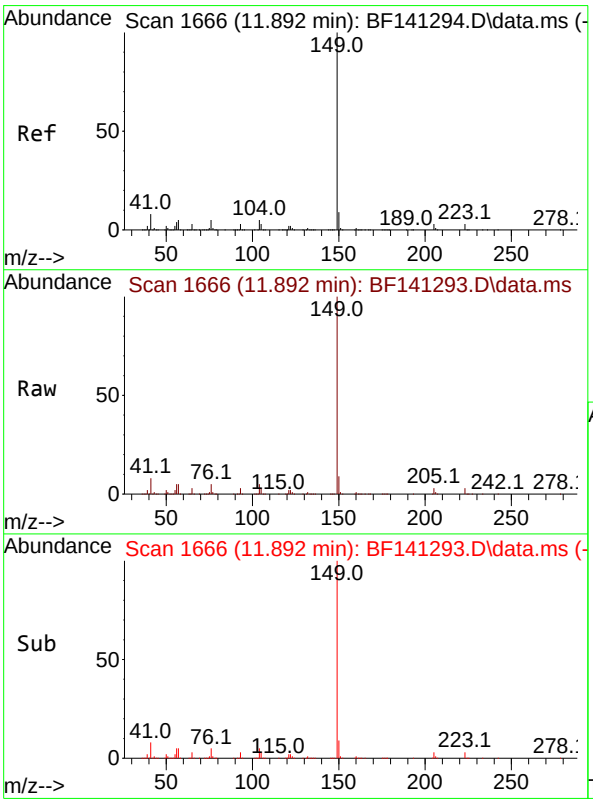
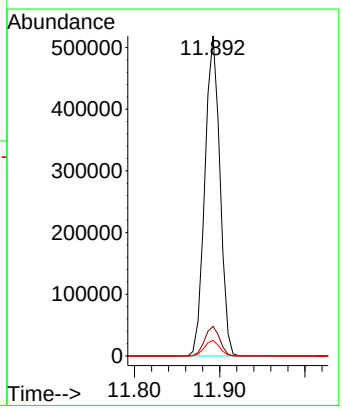
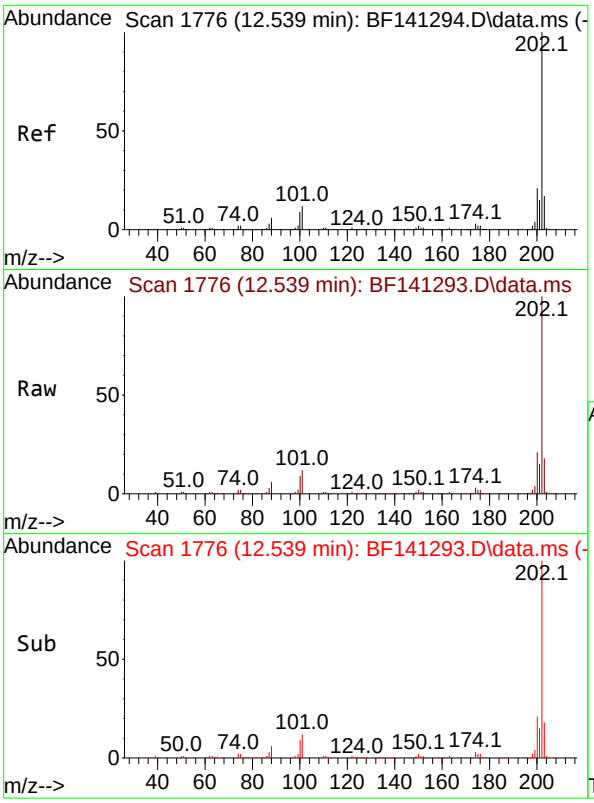


#74
Di-n-butylphthalate
Concen: 22.251 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 636521

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.8	3.9	5.9

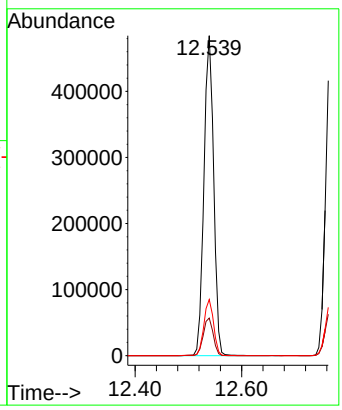




#75
Fluoranthene
Concen: 22.808 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 61149

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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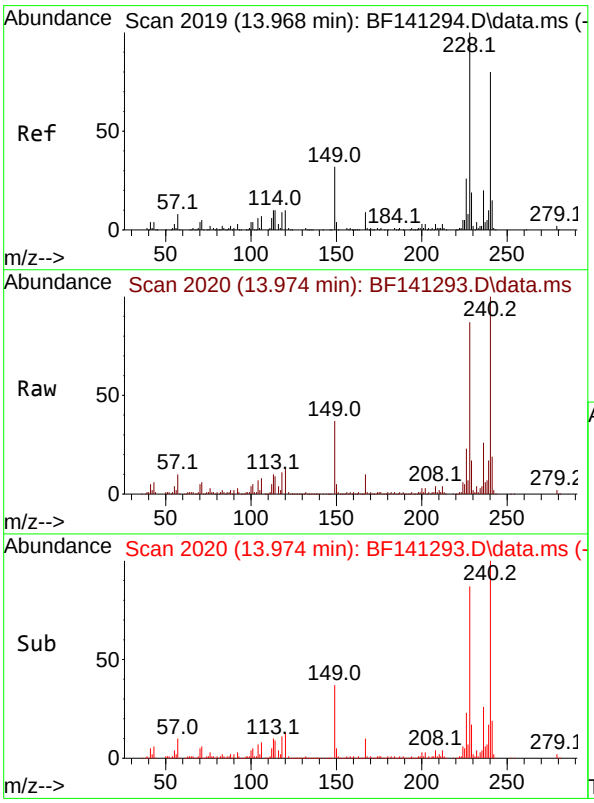
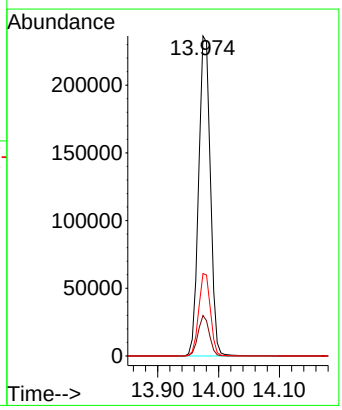
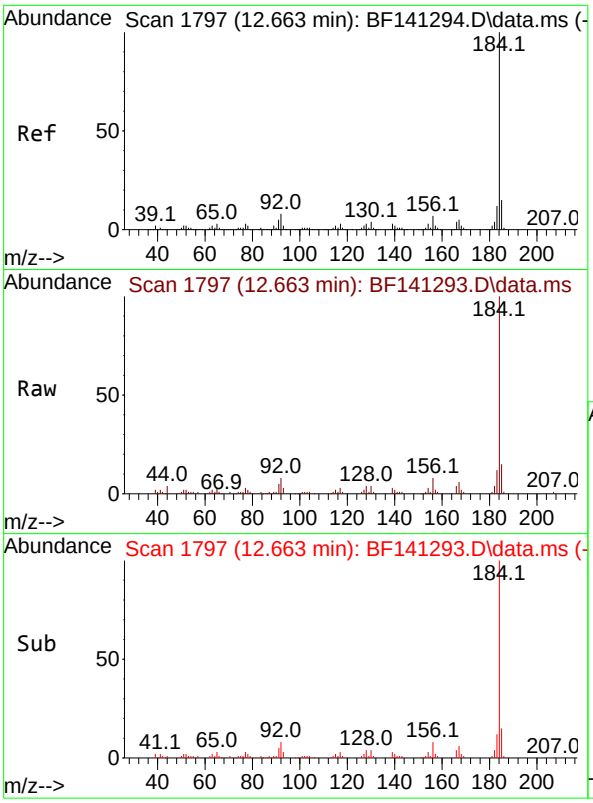


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:240 Resp: 314234

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.0	15.0
236	25.8	19.7	29.5

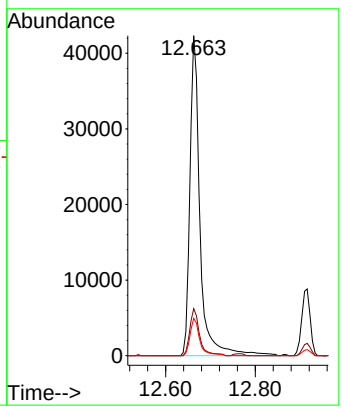




#77
Benzidine
Concen: 6.904 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:184 Resp: 6596

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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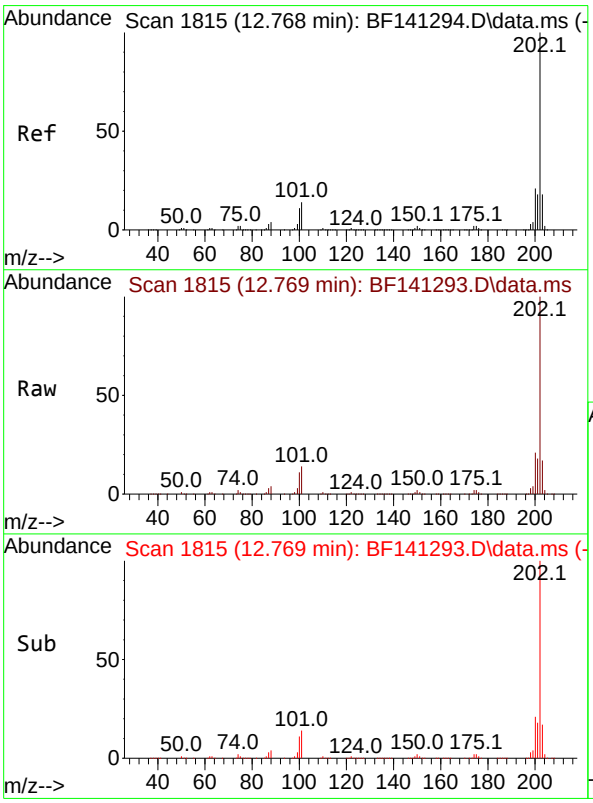
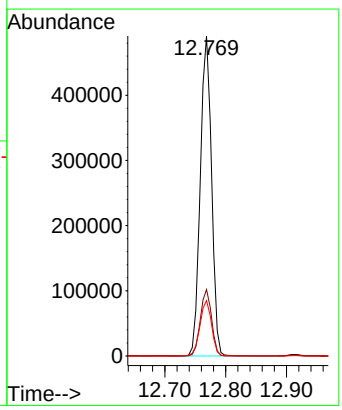
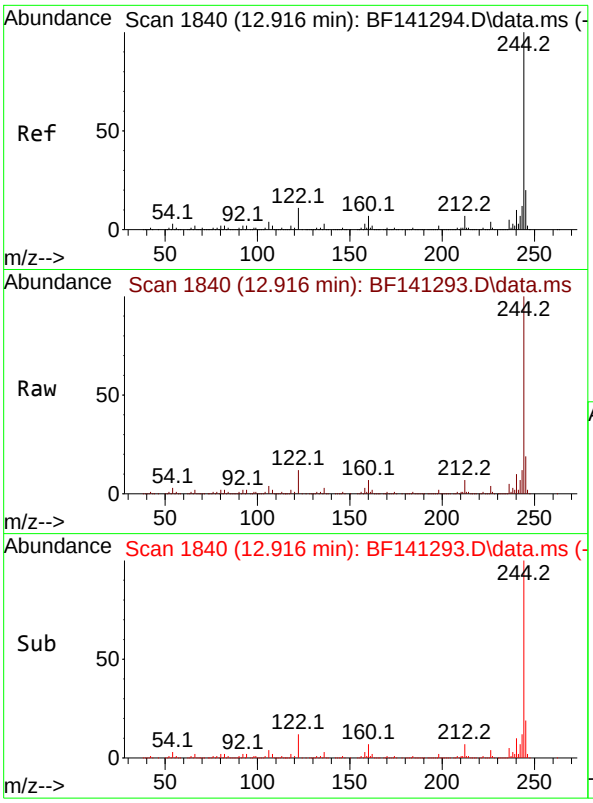


#78
Pyrene
Concen: 20.739 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:202 Resp: 629228

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.3	14.3	21.5

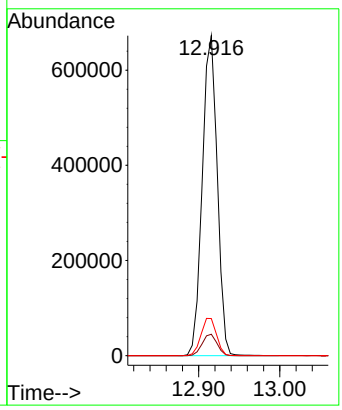




#79
Terphenyl-d14
Concen: 42.159 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:244 Resp: 86095

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	8.8	13.2



Instrument :
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ClientSampleId :
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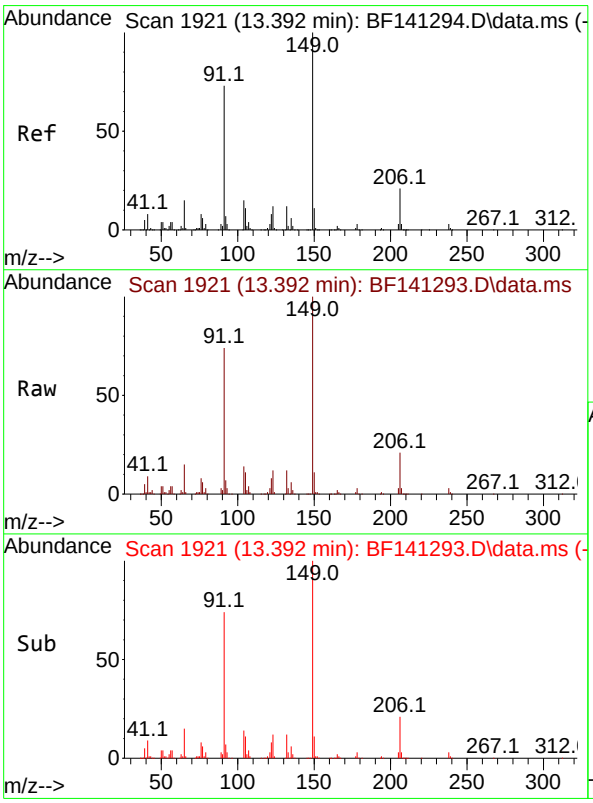
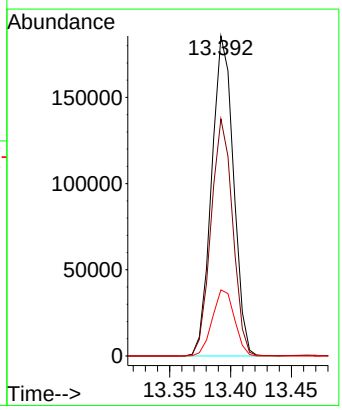
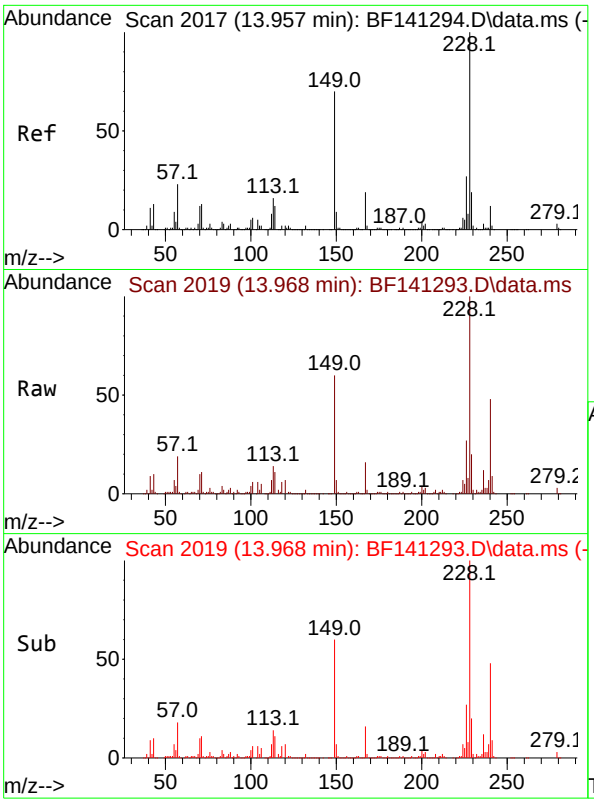


#80
Butylbenzylphthalate
Concen: 22.149 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 232095

Ion	Ratio	Lower	Upper
149	100		
91	74.1	58.6	87.8
206	20.7	16.7	25.1

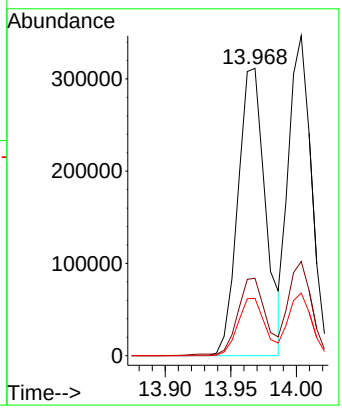




#81
Benzo(a)anthracene
Concen: 21.197 ng
RT: 13.968 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 45653

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.9	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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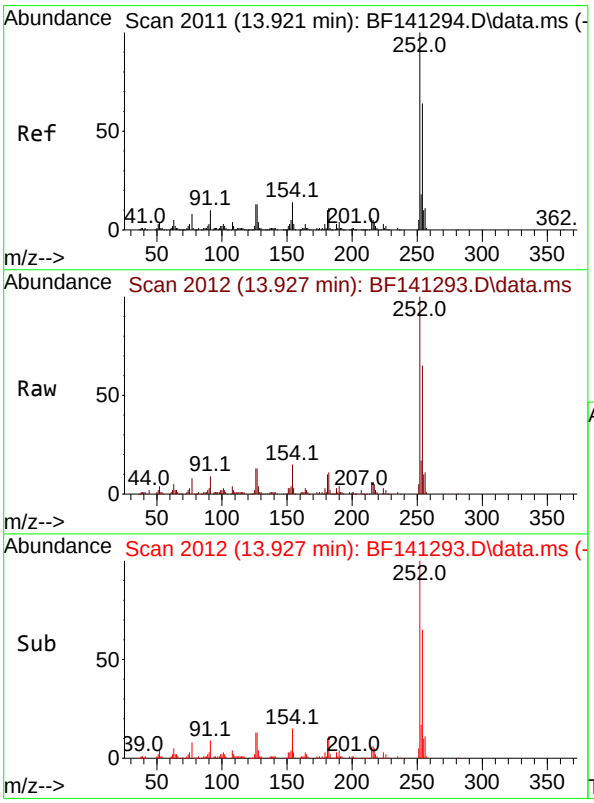
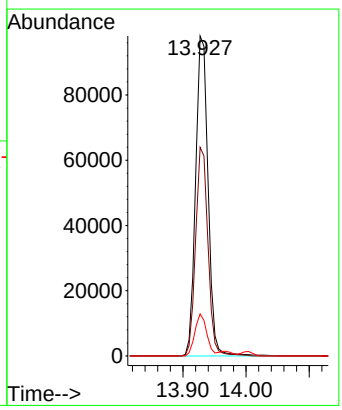
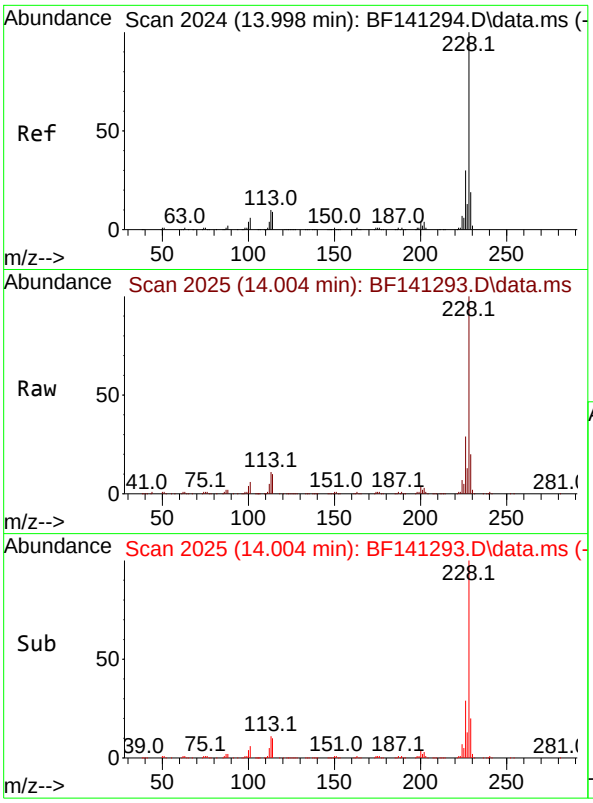


#82
3,3'-Dichlorobenzidine
Concen: 19.914 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 134298

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.3	76.9
126	13.2	10.0	15.0

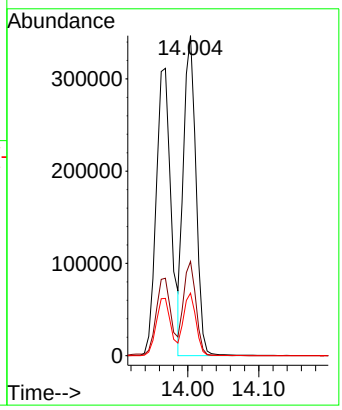




#83
Chrysene
Concen: 21.122 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:228 Resp: 42184

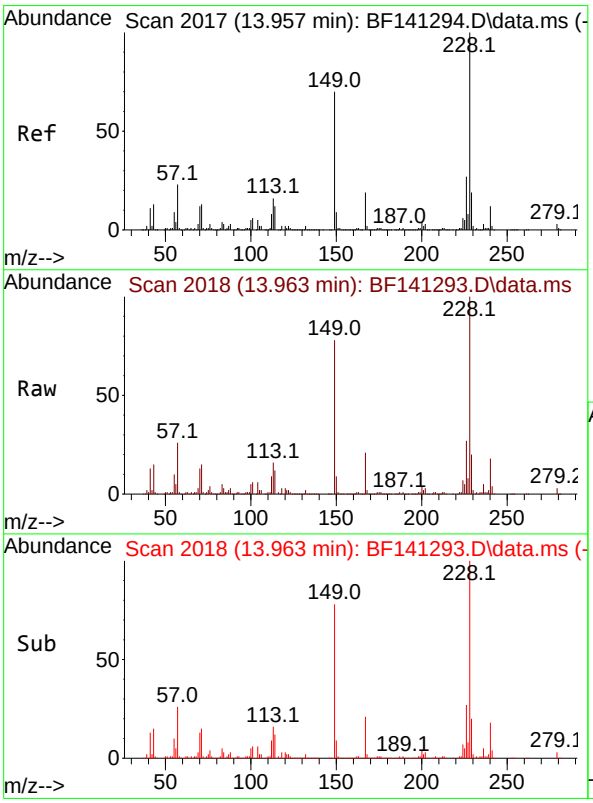
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

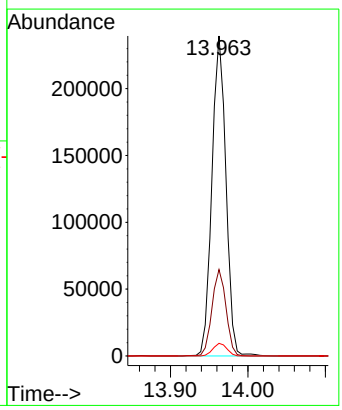
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

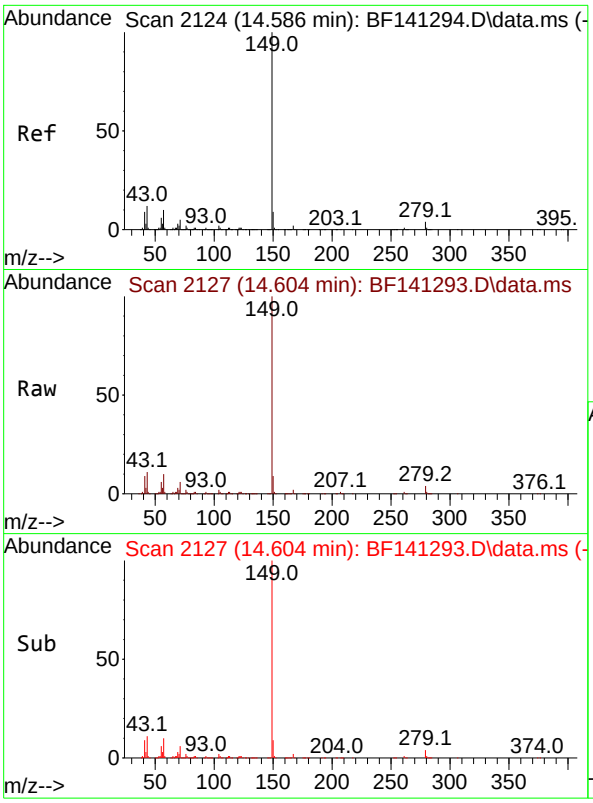


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.857 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 300546

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.9	3.3	4.9

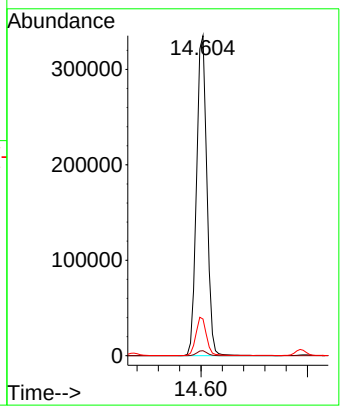




#85
Di-n-octyl phthalate
Concen: 21.964 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:149 Resp: 45174

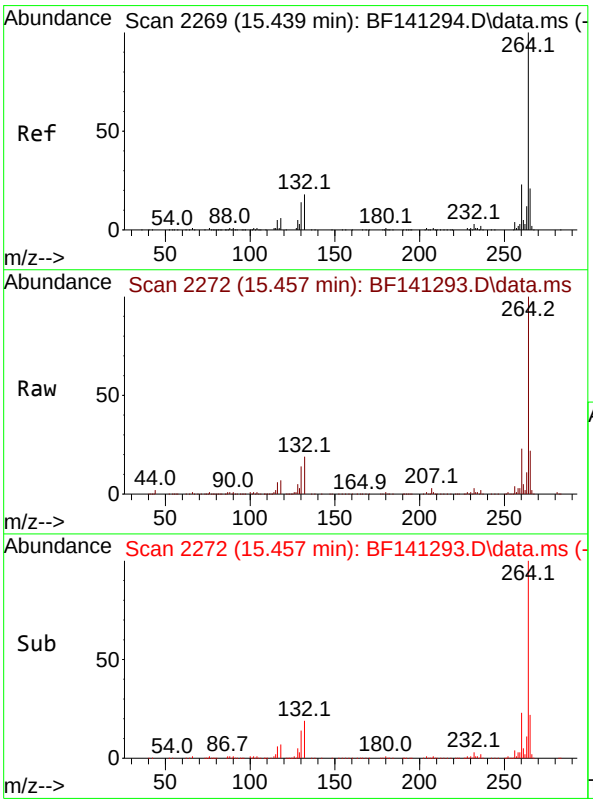
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

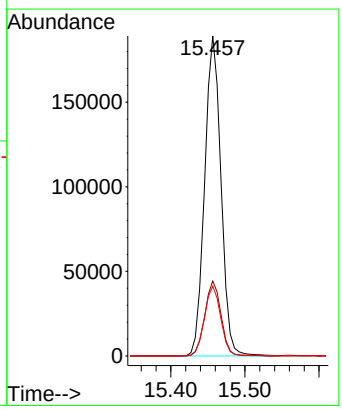
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

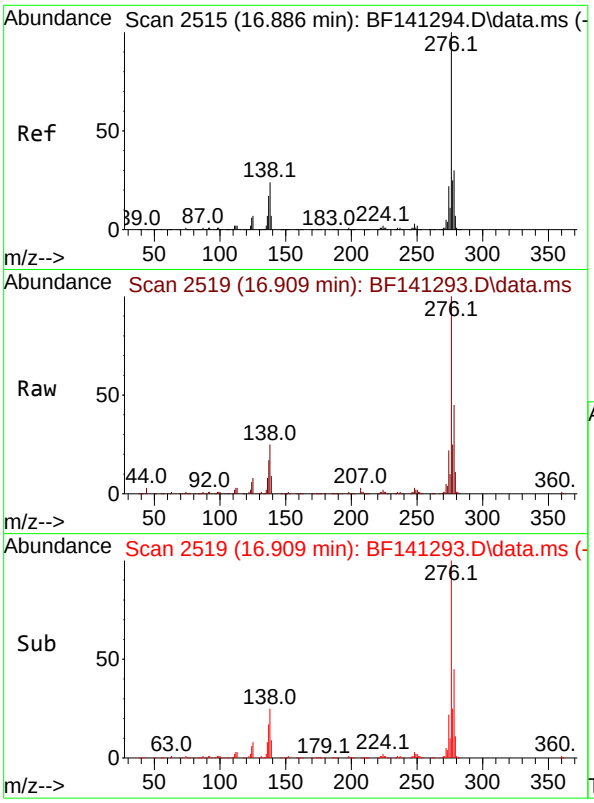


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:264 Resp: 289582

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.8	16.7	25.1

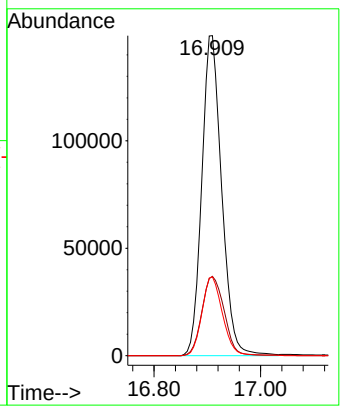




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.466 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 38708

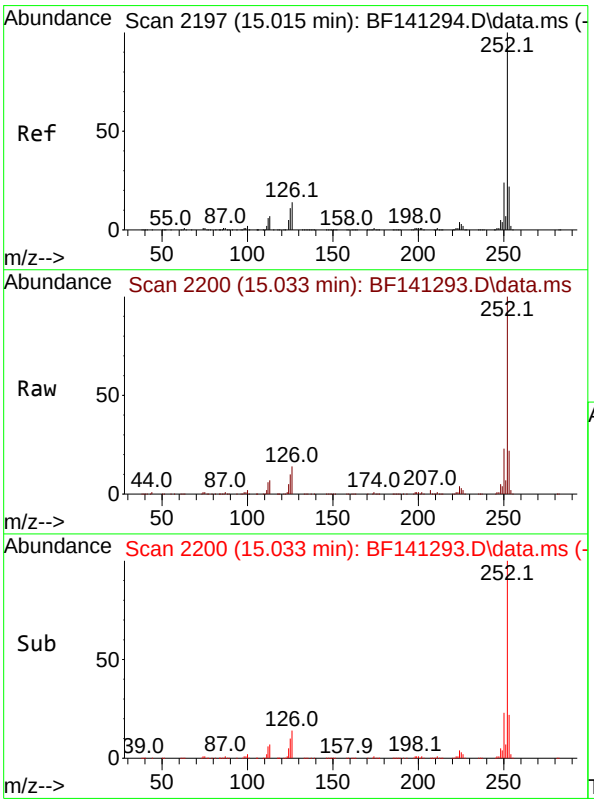
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

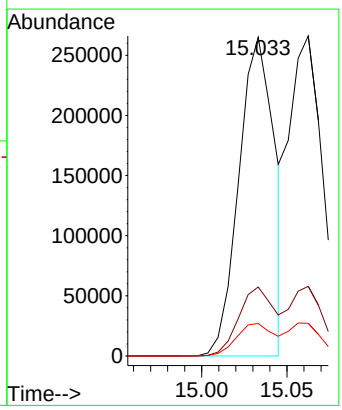
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

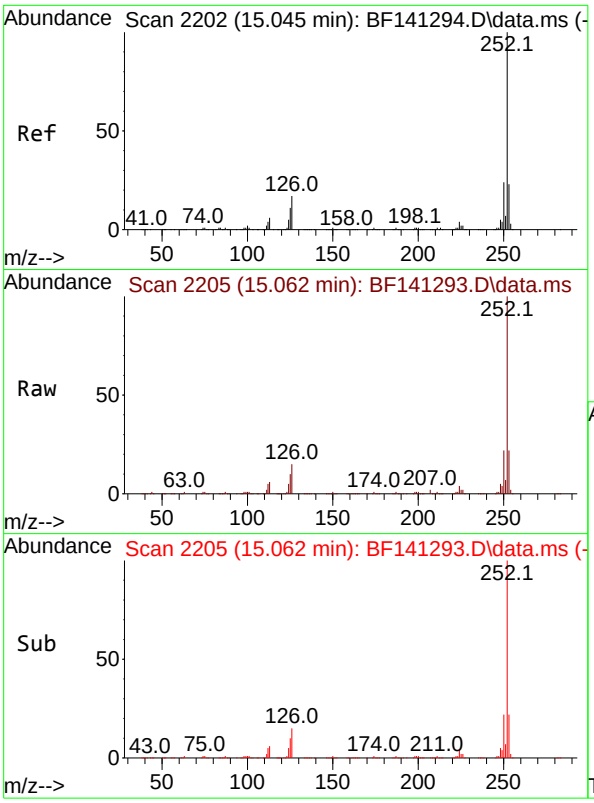


#88
Benzo(b)fluoranthene
Concen: 21.383 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 384557

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.6	12.8

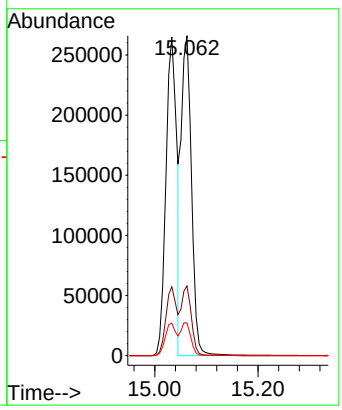




#89
Benzo(k)fluoranthene
Concen: 22.900 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 36880

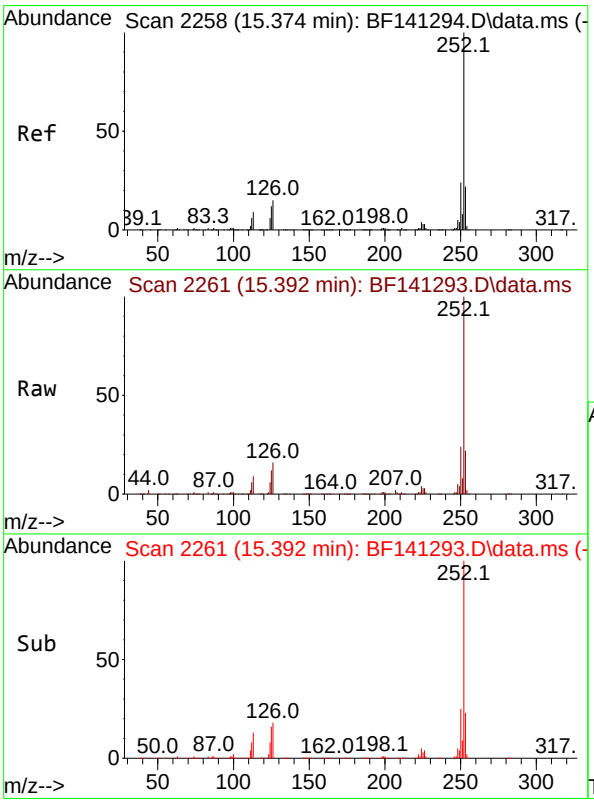
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

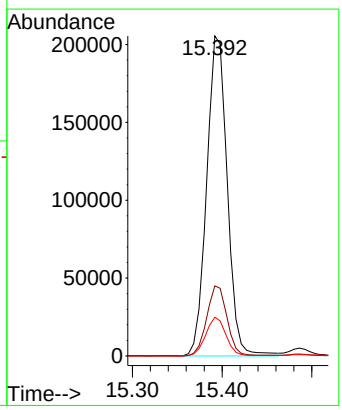
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

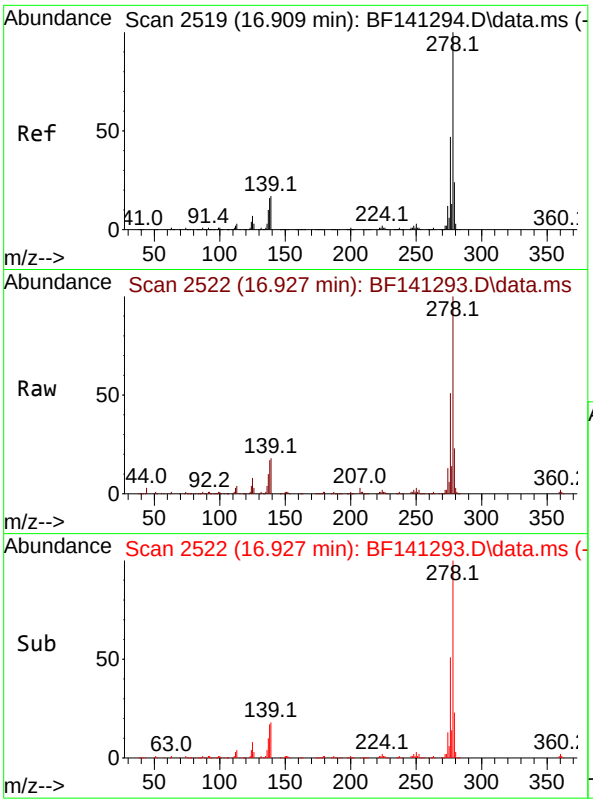


#90
Benzo(a)pyrene
Concen: 21.317 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:252 Resp: 327630

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	12.1	9.4	14.2

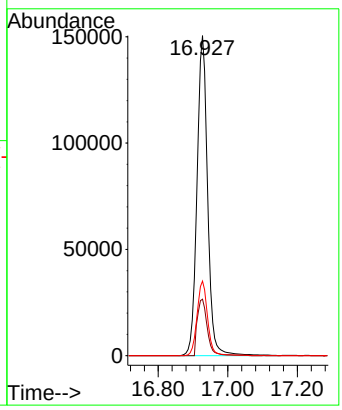




#91
Dibenzo(a,h)anthracene
Concen: 21.026 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:278 Resp: 31877

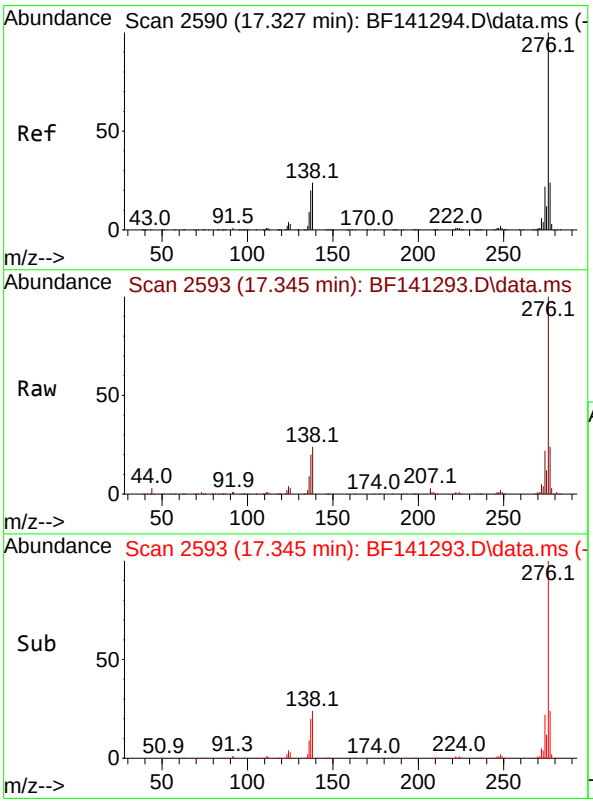
Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

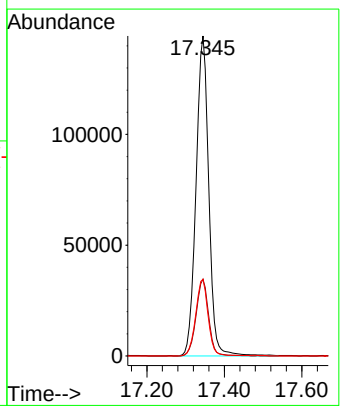
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 20.684 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.018 min
Lab File: BF141293.D
Acq: 29 Jan 2025 15:17

Tgt Ion:276 Resp: 329876

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.9	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	136511	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	533326	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	282995	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	458392	20.000	ng	0.00
76) Chrysene-d12	13.968	240	260600	20.000	ng	0.00
86) Perylene-d12	15.439	264	279417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	655671	74.279	ng	0.00
7) Phenol-d6	6.428	99	829746	73.753	ng	0.00
23) Nitrobenzene-d5	7.363	82	755539	74.958	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	195693	75.888	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1339709	73.029	ng	0.00
79) Terphenyl-d14	12.916	244	1232977	72.802	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	146751	37.453	ng	100
3) Pyridine	3.216	79	360381	38.457	ng	100
4) n-Nitrosodimethylamine	3.169	42	205026	38.203	ng	100
6) Aniline	6.463	93	371145	39.471	ng	100
8) 2-Chlorophenol	6.581	128	354141	37.357	ng	100
9) Benzaldehyde	6.345	77	244365	37.402	ng	100
10) Phenol	6.439	94	448441	37.678	ng	100
11) bis(2-Chloroethyl)ether	6.534	93	336429	36.754	ng	100
12) 1,3-Dichlorobenzene	6.739	146	390276	37.328	ng	100
13) 1,4-Dichlorobenzene	6.816	146	390834	37.119	ng	100
14) 1,2-Dichlorobenzene	6.969	146	365173	37.114	ng	100
15) Benzyl Alcohol	6.939	79	295478	38.445	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	597590	37.578	ng	100
17) 2-Methylphenol	7.051	107	284578	37.077	ng	100
18) Hexachloroethane	7.310	117	144619	37.124	ng	100
19) n-Nitroso-di-n-propyla...	7.210	70	244379	36.524	ng	100
20) 3+4-Methylphenols	7.204	107	351248	37.222	ng	100
22) Acetophenone	7.210	105	465165	36.793	ng	100
24) Nitrobenzene	7.381	77	396149	37.893	ng	100
25) Isophorone	7.622	82	651994	37.429	ng	100
26) 2-Nitrophenol	7.698	139	188435	38.483	ng	100
27) 2,4-Dimethylphenol	7.733	122	239376	38.255	ng	100
28) bis(2-Chloroethoxy)met...	7.833	93	414781	37.367	ng	100
29) 2,4-Dichlorophenol	7.939	162	288763	37.768	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	323865	36.932	ng	100
31) Naphthalene	8.104	128	1041107	37.116	ng	100
32) Benzoic acid	7.845	122	235596	41.459	ng	100
33) 4-Chloroaniline	8.151	127	361001	38.313	ng	100
34) Hexachlorobutadiene	8.222	225	190772	37.169	ng	100
35) Caprolactam	8.516	113	94819	38.342	ng	100
36) 4-Chloro-3-methylphenol	8.633	107	305768	37.262	ng	100
37) 2-Methylnaphthalene	8.792	142	666038	37.286	ng	100
38) 1-Methylnaphthalene	8.892	142	646346	36.938	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	302471	37.591	ng	100
41) Hexachlorocyclopentadiene	8.945	237	97299	40.295	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	205797	39.181	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

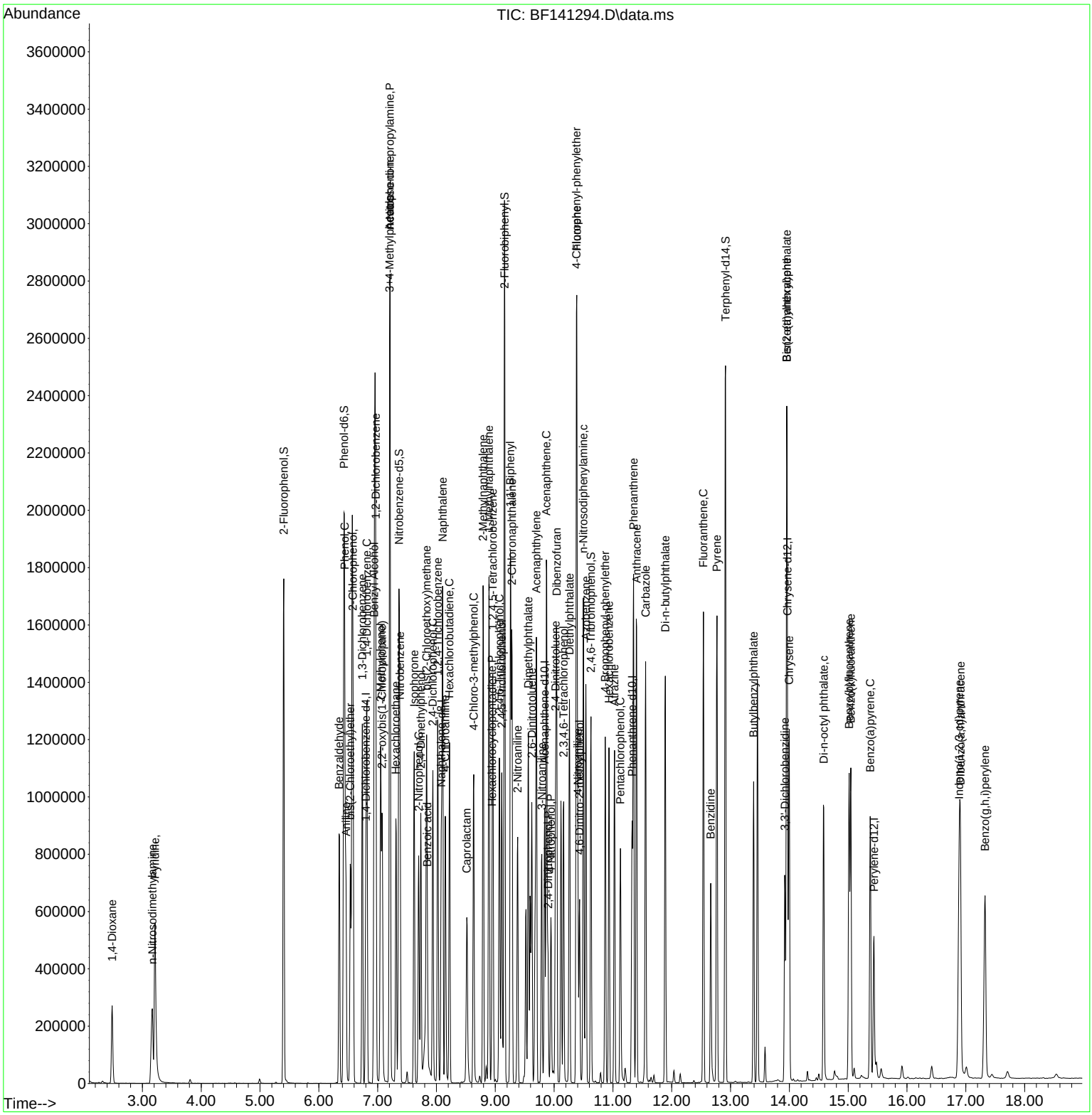
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	213401	37.346	ng	100
46) 1,1'-Biphenyl	9.257	154	823004	37.278	ng	100
47) 2-Chloronaphthalene	9.280	162	634814	37.020	ng	100
48) 2-Nitroaniline	9.380	65	205997	38.089	ng	100
49) Acenaphthylene	9.698	152	902715	37.483	ng	100
50) Dimethylphthalate	9.563	163	701107	36.945	ng	100
51) 2,6-Dinitrotoluene	9.622	165	167409	37.909	ng	100
52) Acenaphthene	9.869	154	638597	37.266	ng	100
53) 3-Nitroaniline	9.792	138	171409	39.240	ng	100
54) 2,4-Dinitrophenol	9.898	184	83282	40.011	ng	100
55) Dibenzofuran	10.045	168	859175	37.490	ng	100
56) 4-Nitrophenol	9.945	139	126536	40.349	ng	100
57) 2,4-Dinitrotoluene	10.027	165	218627	38.382	ng	100
58) Fluorene	10.386	166	660612	37.076	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	172174	38.138	ng	100
60) Diethylphthalate	10.263	149	693066	37.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	321112	36.929	ng	100
62) 4-Nitroaniline	10.404	138	164154	39.120	ng	100
63) Azobenzene	10.539	77	693050	37.621	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	114735	41.914	ng	100
66) n-Nitrosodiphenylamine	10.498	169	573712	38.602	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	198895	38.815	ng	100
68) Hexachlorobenzene	10.933	284	209735	38.586	ng	100
69) Atrazine	11.027	200	195062	39.131	ng	100
70) Pentachlorophenol	11.127	266	131295	41.196	ng	100
71) Phenanthrene	11.351	178	940021	38.175	ng	100
72) Anthracene	11.404	178	925244	38.521	ng	100
73) Carbazole	11.557	167	824095	38.735	ng	100
74) Di-n-butylphthalate	11.892	149	995172	38.805	ng	100
75) Fluoranthene	12.539	202	928946	38.650	ng	100
77) Benzidine	12.663	184	380623	48.034	ng	100
78) Pyrene	12.768	202	914205	36.333	ng	100
80) Butylbenzylphthalate	13.392	149	326158	37.532	ng	100
81) Benzo(a)anthracene	13.957	228	661997	37.062	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	217856	38.953	ng	100
83) Chrysene	13.998	228	591939	35.738	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	409365	37.540	ng	100
85) Di-n-octyl phthalate	14.586	149	640977	37.578	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	702692	38.503	ng	100
88) Benzo(b)fluoranthene	15.015	252	625758	36.061	ng	100
89) Benzo(k)fluoranthene	15.045	252	605401	38.959	ng	100
90) Benzo(a)pyrene	15.374	252	564975	38.096	ng	100
91) Dibenzo(a,h)anthracene	16.909	278	567762	38.812	ng	100
92) Benzo(g,h,i)perylene	17.327	276	582768	37.870	ng	100

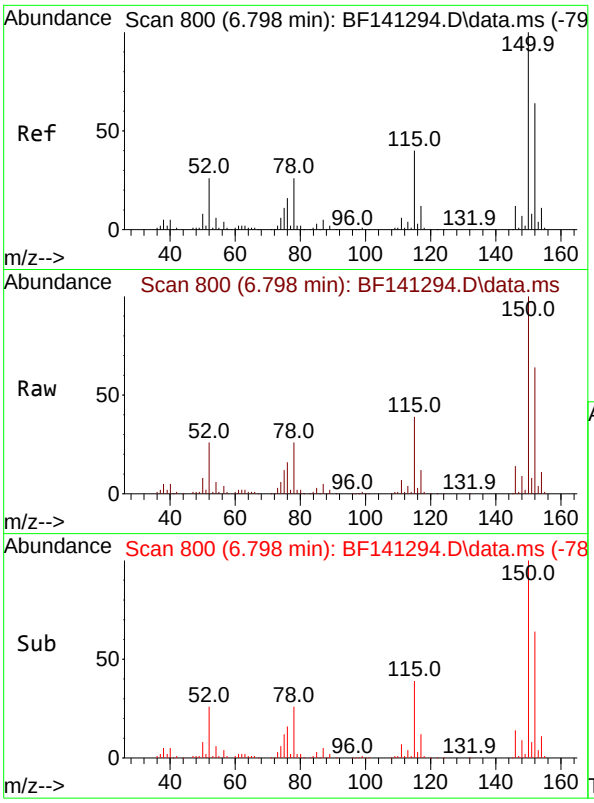
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141294.D
Acq On : 29 Jan 2025 15:45
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 29 16:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration



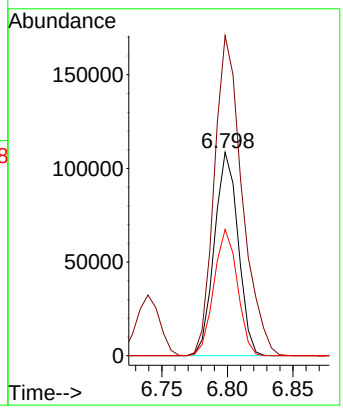


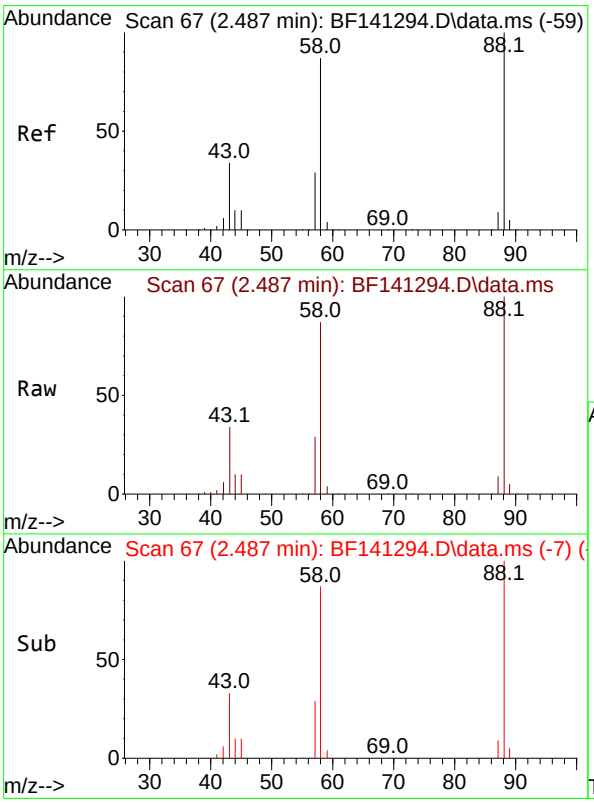
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 136511

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.9	188.9
115	62.1	49.7	74.5

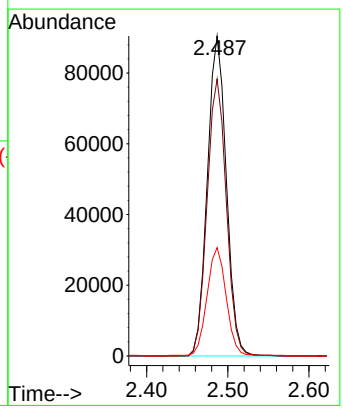


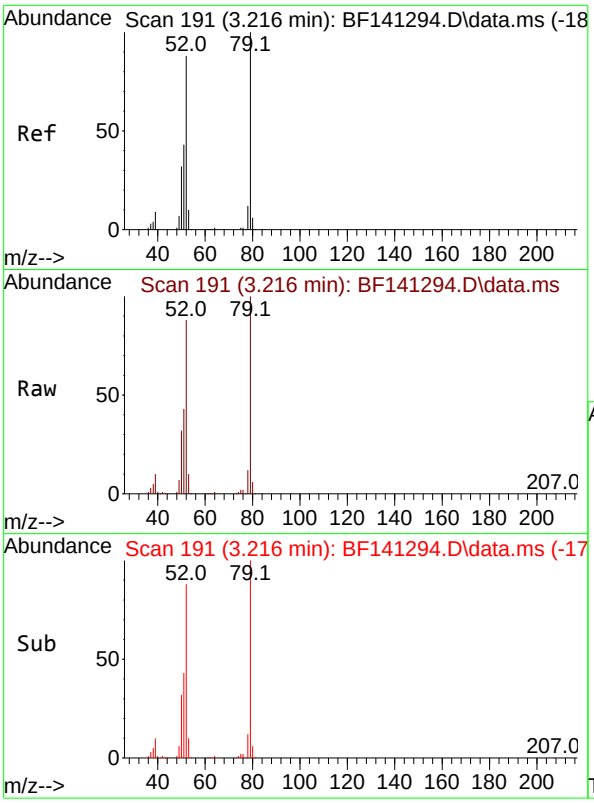


#2
1,4-Dioxane
Concen: 37.453 ng
RT: 2.487 min Scan# 67
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 88 Resp: 146751

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.5	27.6	41.4



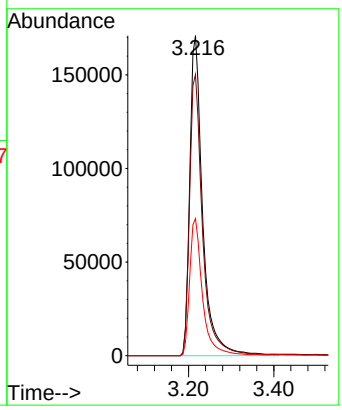


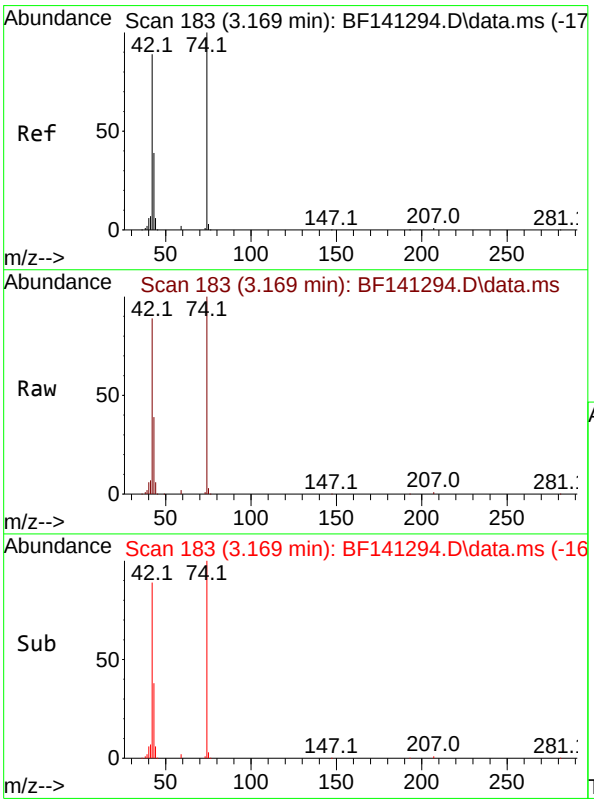
#3
Pyridine
Concen: 38.457 ng
RT: 3.216 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 360381

Ion	Ratio	Lower	Upper
79	100		
52	87.9	70.3	105.5
51	42.9	34.3	51.5

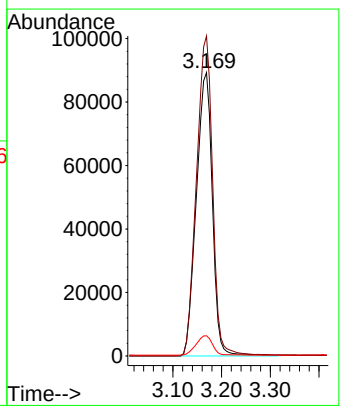


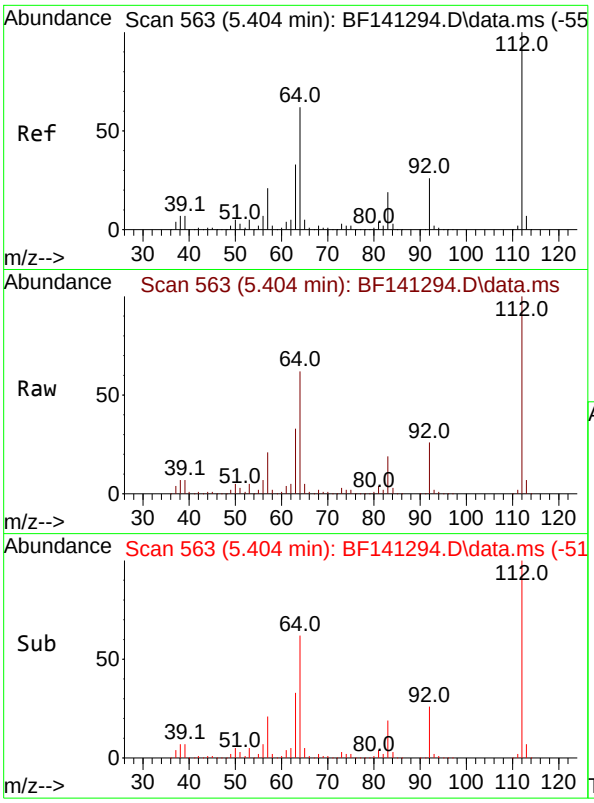


#4
n-Nitrosodimethylamine
Concen: 38.203 ng
RT: 3.169 min Scan# 183
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 42 Resp: 205026

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5



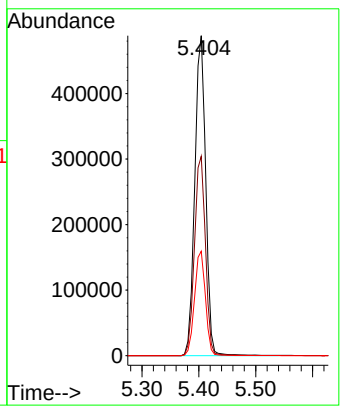


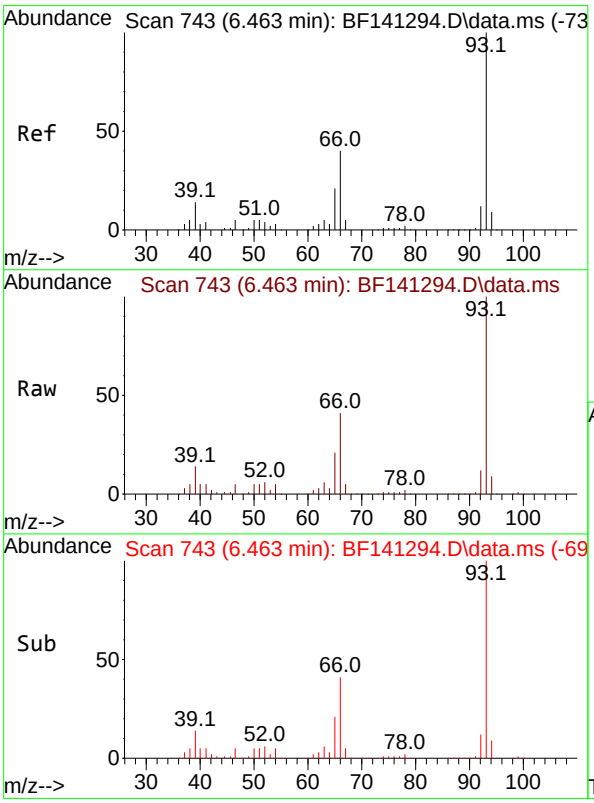
#5
2-Fluorophenol
Concen: 74.279 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 655671

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.8	74.8
63	32.6	26.1	39.1

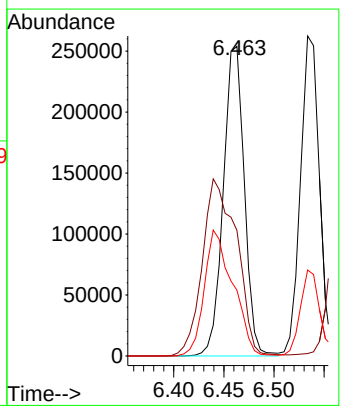


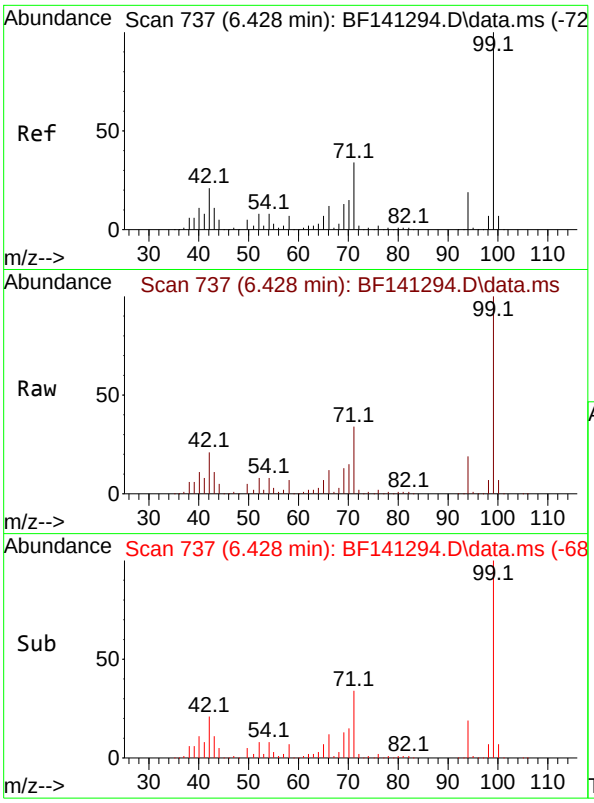


#6
Aniline
Concen: 39.471 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 371145

Ion	Ratio	Lower	Upper
93	100		
66	40.6	32.5	48.7
65	21.3	17.0	25.6



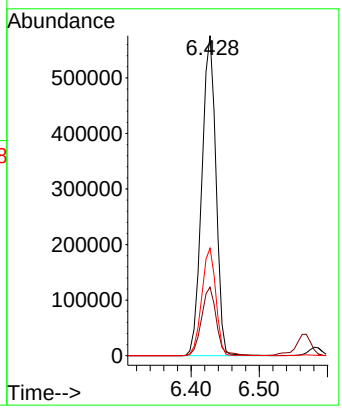


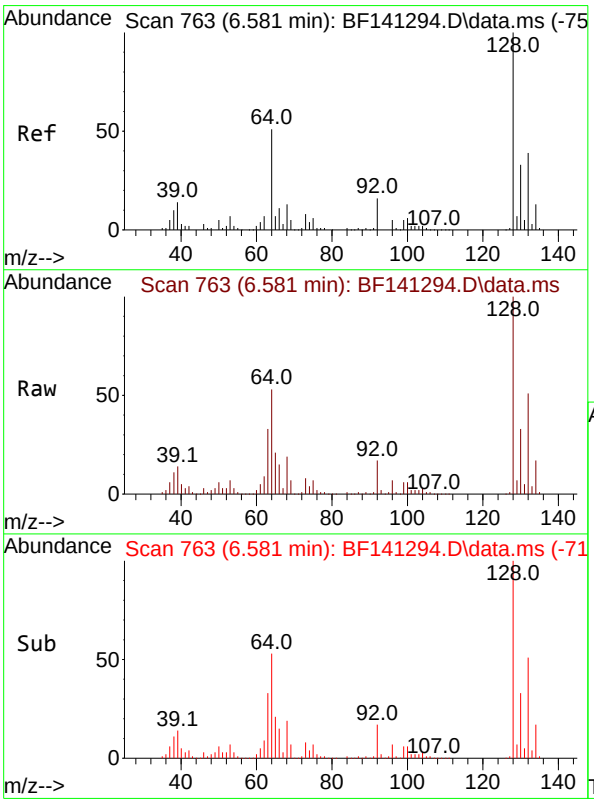
#7
Phenol-d6
Concen: 73.753 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 829746

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.6	26.9	40.3

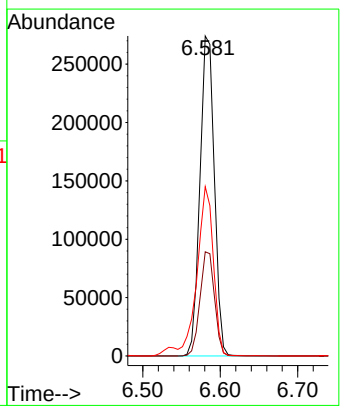


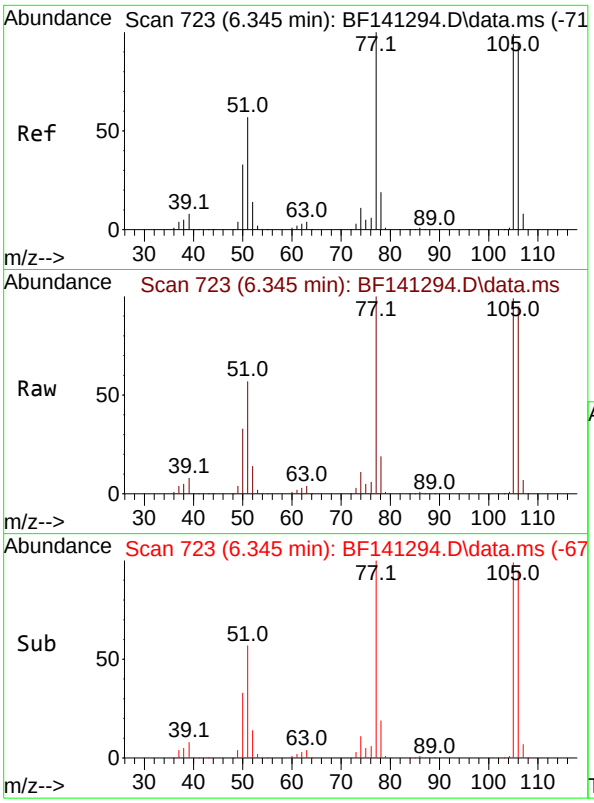


#8
2-Chlorophenol
Concen: 37.357 ng
RT: 6.581 min Scan# 763
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:128 Resp: 354141

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	52.9	32.9	72.9



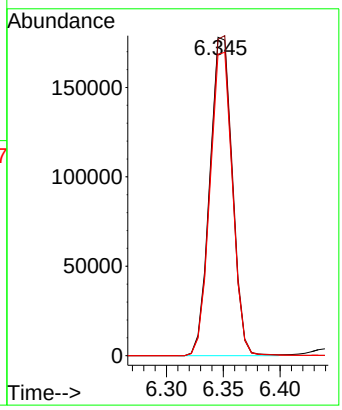


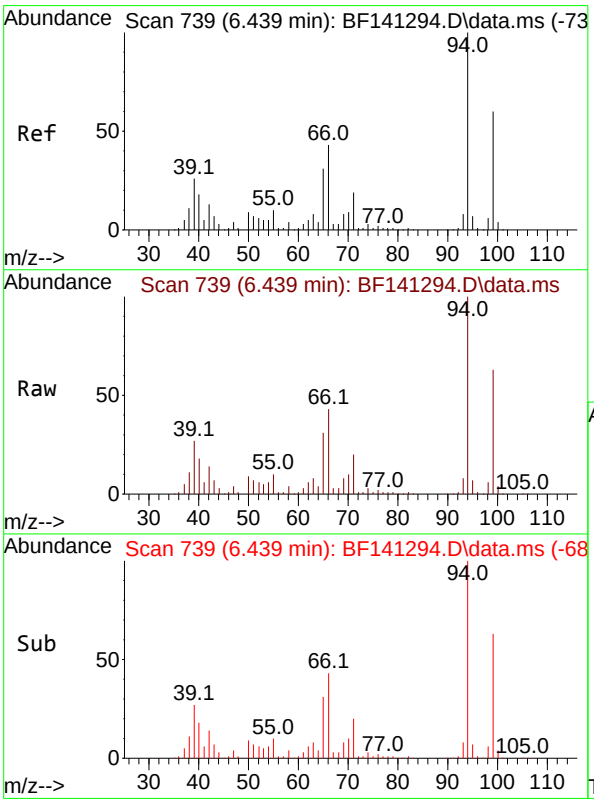
#9
Benzaldehyde
Concen: 37.402 ng
RT: 6.345 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 244365

Ion	Ratio	Lower	Upper
77	100		
105	99.4	79.4	119.4
106	94.6	74.6	114.6

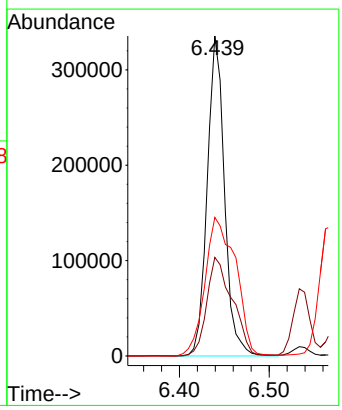


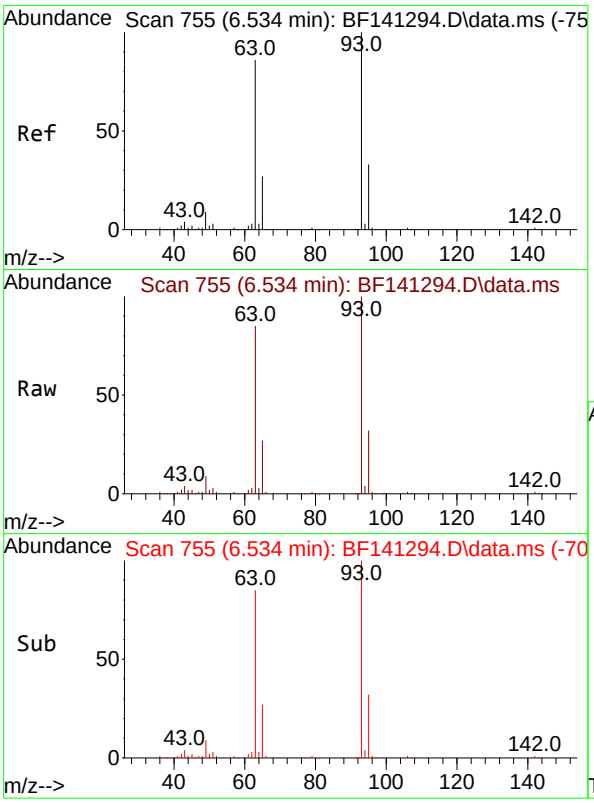


#10
Phenol
Concen: 37.678 ng
RT: 6.439 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 94 Resp: 448441

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.8	50.8
66	43.3	23.3	63.3



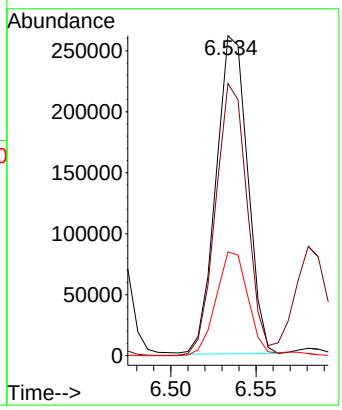


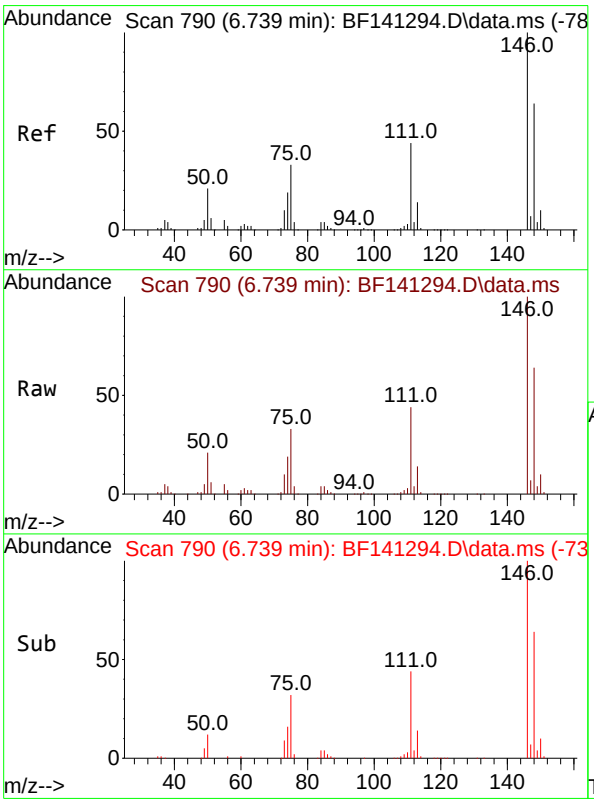
#11
bis(2-Chloroethyl)ether
Concen: 36.754 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 336429

Ion	Ratio	Lower	Upper
93	100		
63	85.0	65.0	105.0
95	32.4	12.4	52.4

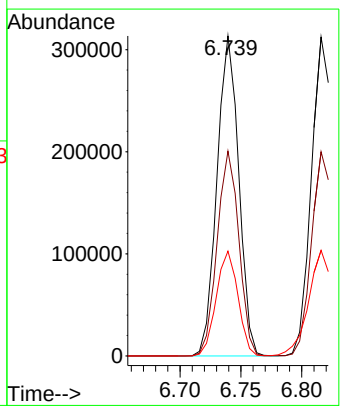


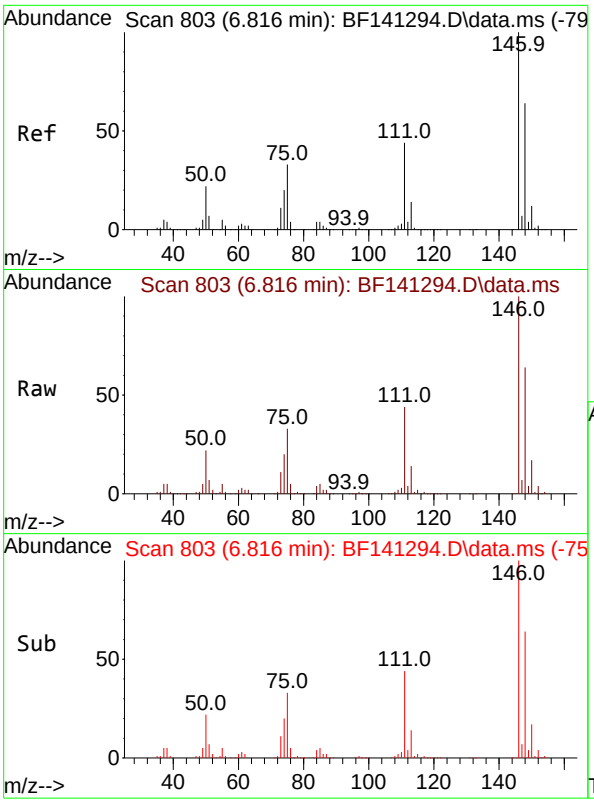


#12
1,3-Dichlorobenzene
Concen: 37.328 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 390276

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.8	26.2	39.4



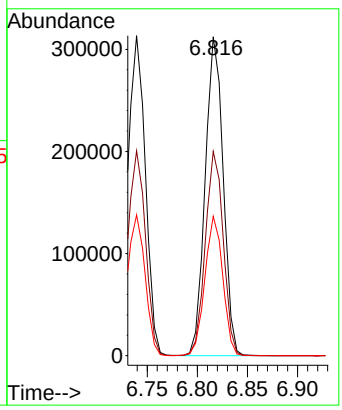


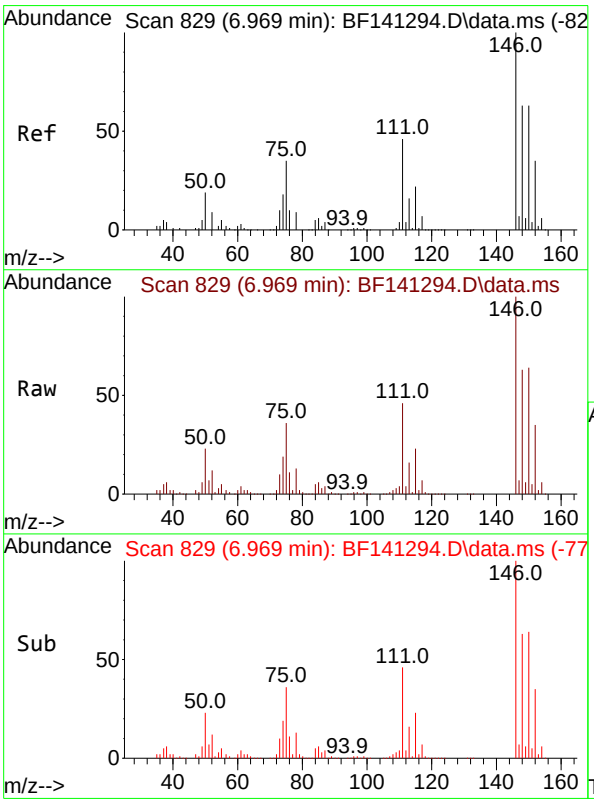
#13
1,4-Dichlorobenzene
Concen: 37.119 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 390834

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	43.7	35.0	52.4

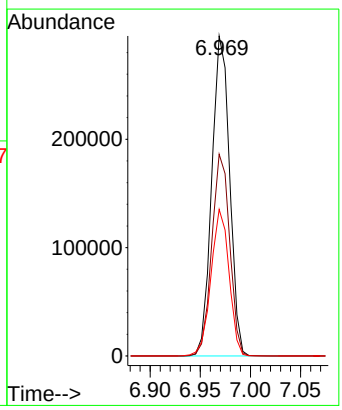


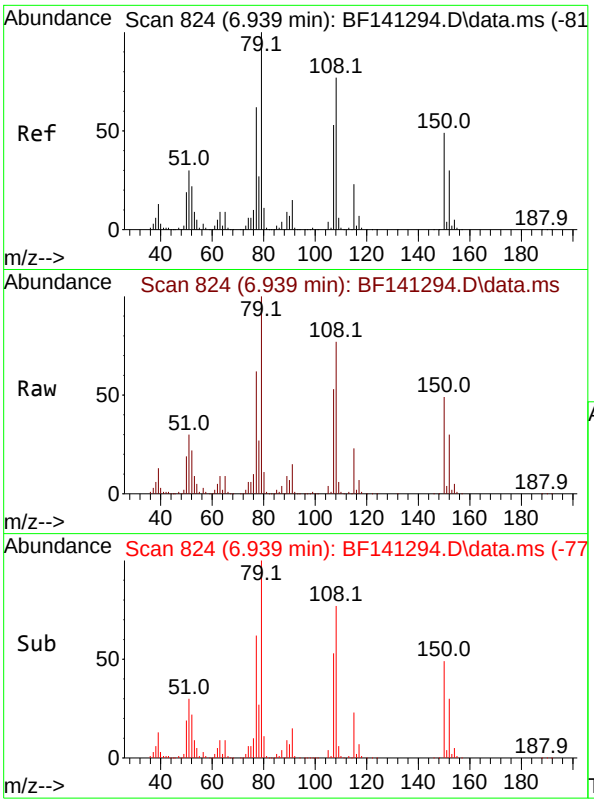


#14
1,2-Dichlorobenzene
Concen: 37.114 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:146 Resp: 365173

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	45.8	36.6	55.0



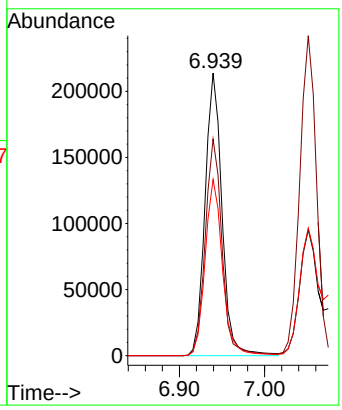


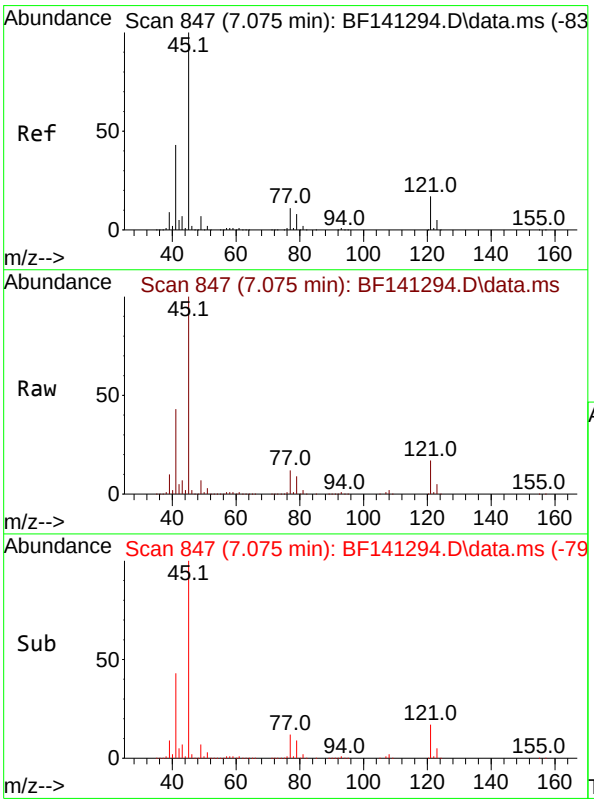
#15
Benzyl Alcohol
Concen: 38.445 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 295478

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.4	92.0
77	62.4	49.9	74.9

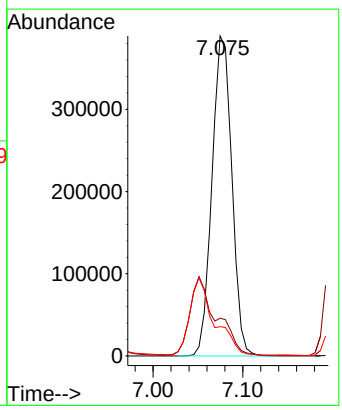


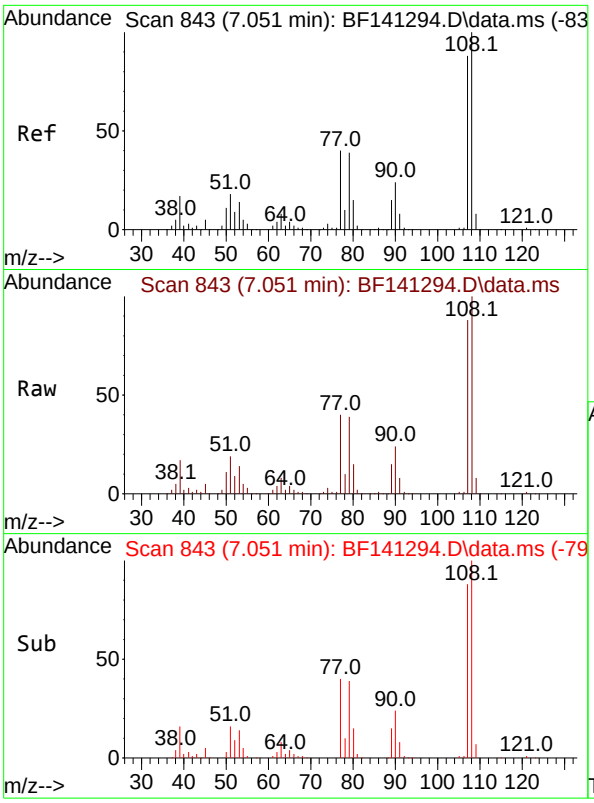


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.578 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 45 Resp: 597590

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.1	0.0	29.1



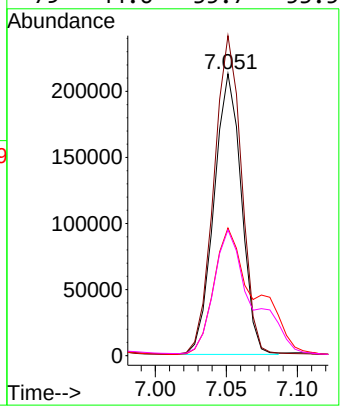


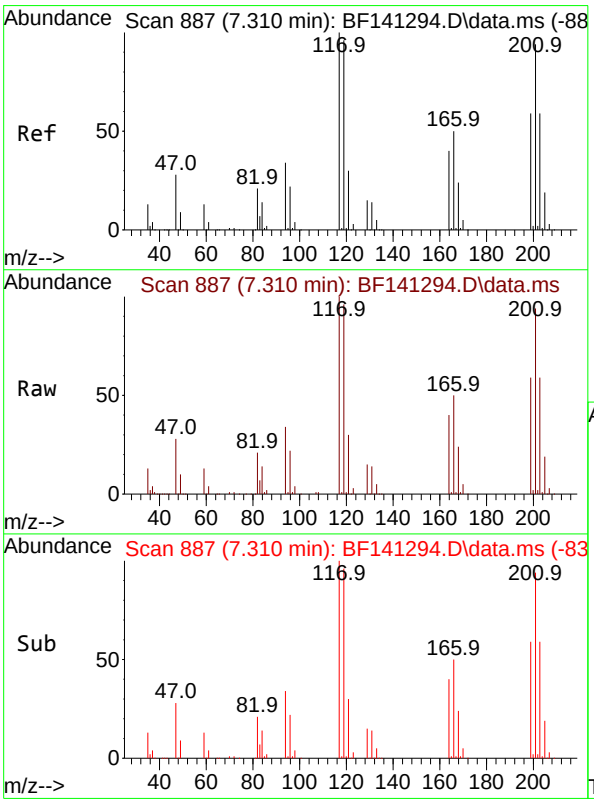
#17
2-Methylphenol
Concen: 37.077 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 284578

Ion	Ratio	Lower	Upper
107	100		
108	113.5	90.8	136.2
77	45.3	36.2	54.4
79	44.6	35.7	53.5

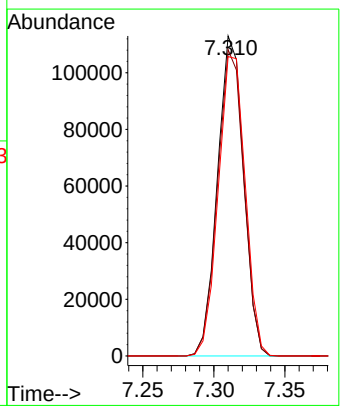


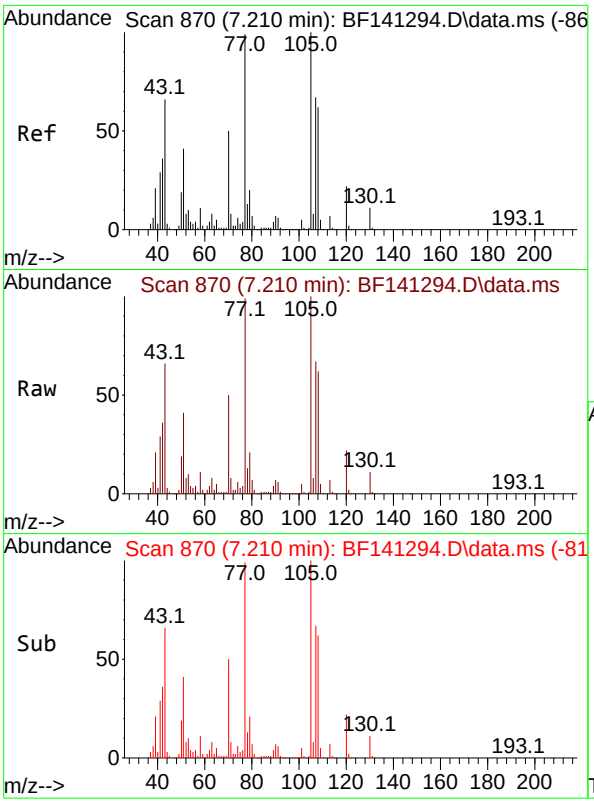


#18
Hexachloroethane
Concen: 37.124 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:117 Resp: 144619

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	93.5	74.8	112.2



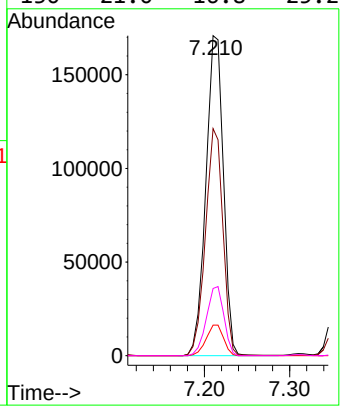


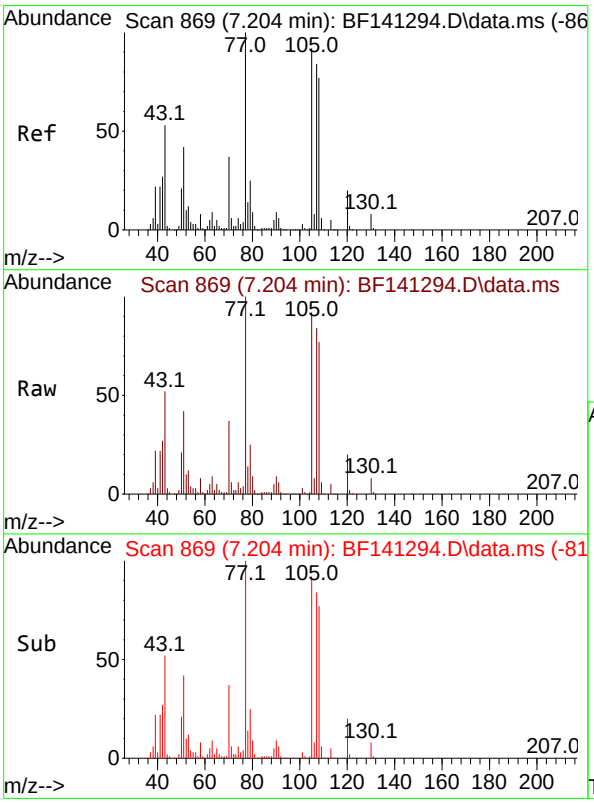
#19
n-Nitroso-di-n-propylamine
Concen: 36.524 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 244379

Ion	Ratio	Lower	Upper
70	100		
42	71.0	56.8	85.2
101	9.6	7.7	11.5
130	21.0	16.8	25.2

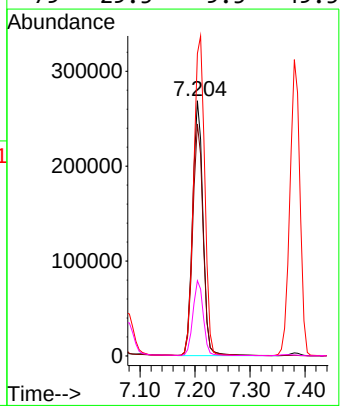


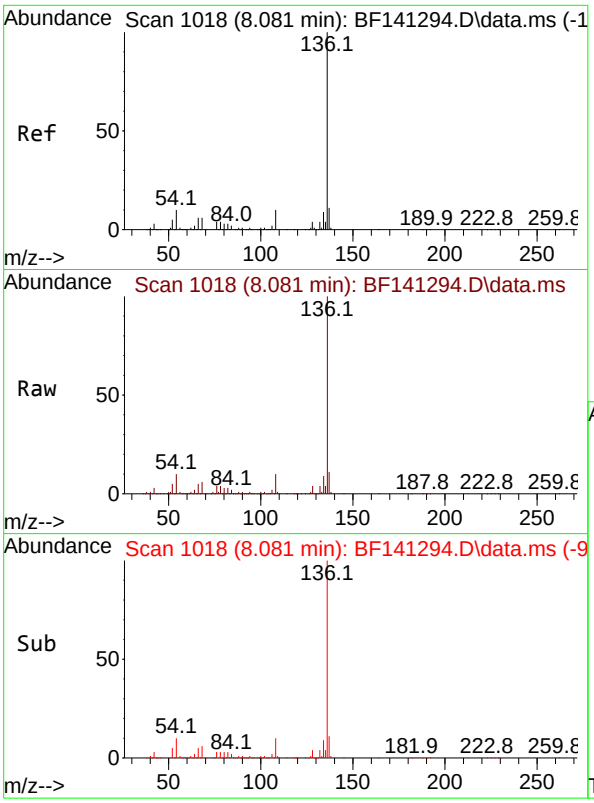


#20
3+4-Methylphenols
Concen: 37.222 ng
RT: 7.204 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 351248

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.9	110.9
77	118.5	98.5	138.5
79	29.5	9.5	49.5



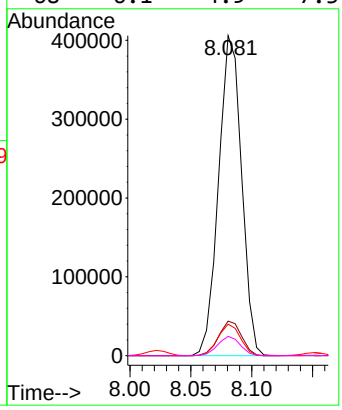


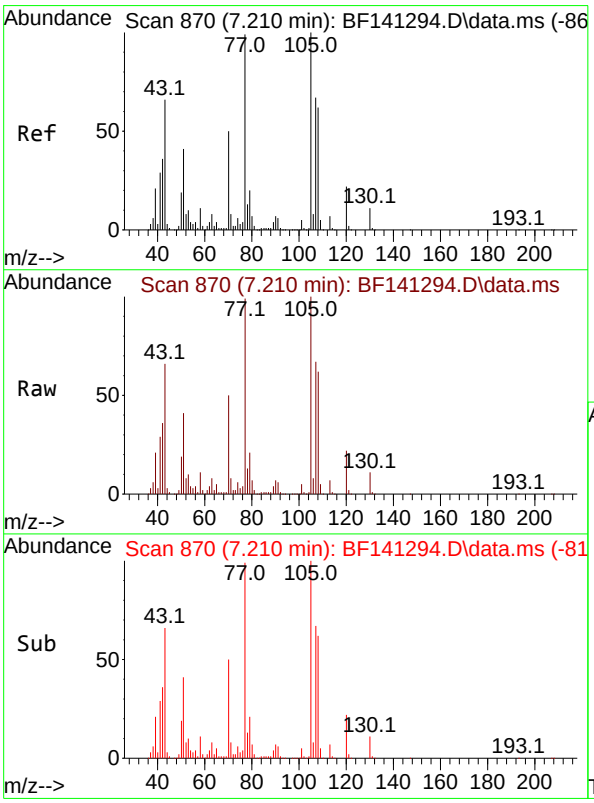
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 533326

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.8	7.8	11.8
68	6.1	4.9	7.3

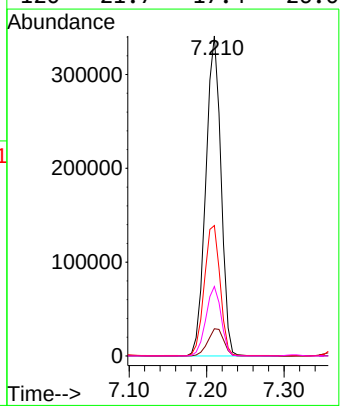


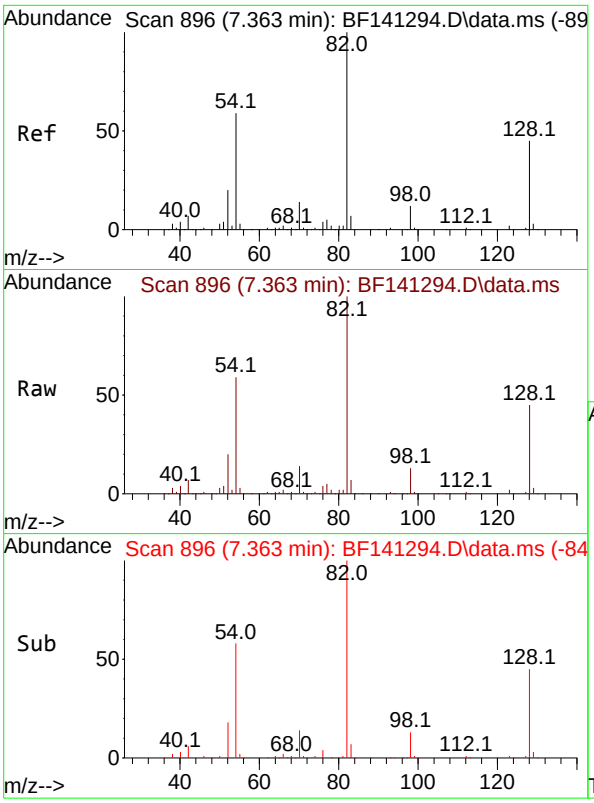


#22
Acetophenone
Concen: 36.793 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:105 Resp: 465165

Ion	Ratio	Lower	Upper
105	100		
71	8.5	6.8	10.2
51	40.8	32.6	49.0
120	21.7	17.4	26.0



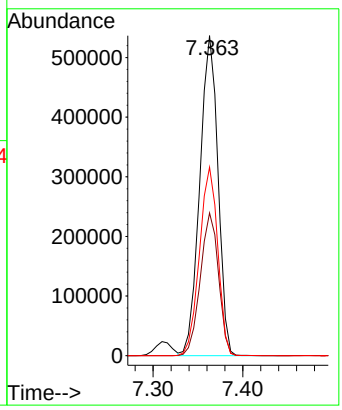


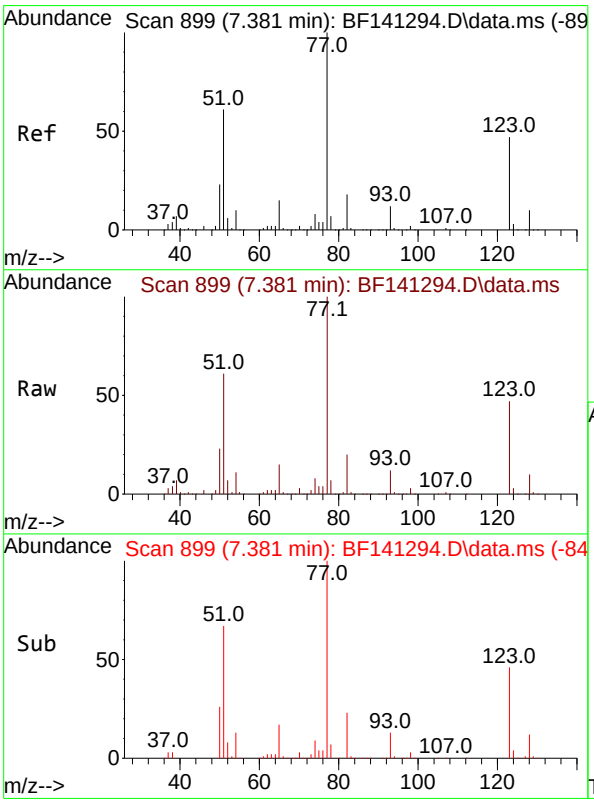
#23
Nitrobenzene-d5
Concen: 74.958 ng
RT: 7.363 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 755539

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.9	47.1	70.7

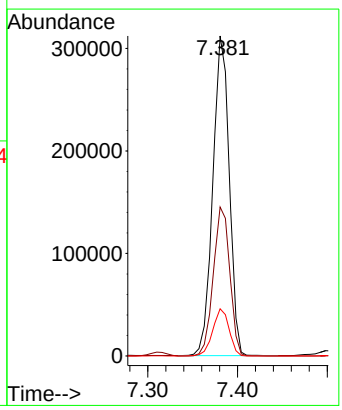


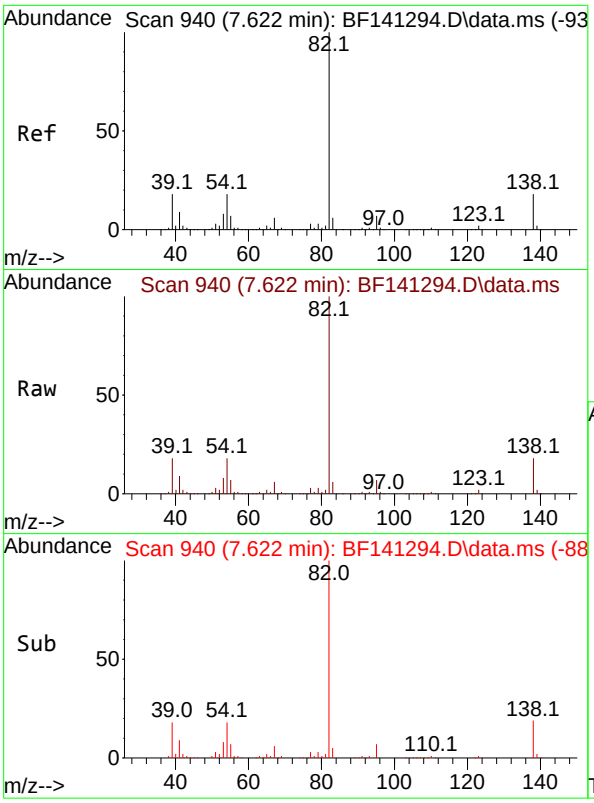


#24
Nitrobenzene
Concen: 37.893 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 77 Resp: 396149

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	14.7	11.8	17.6



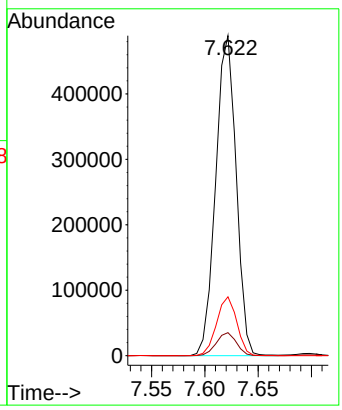


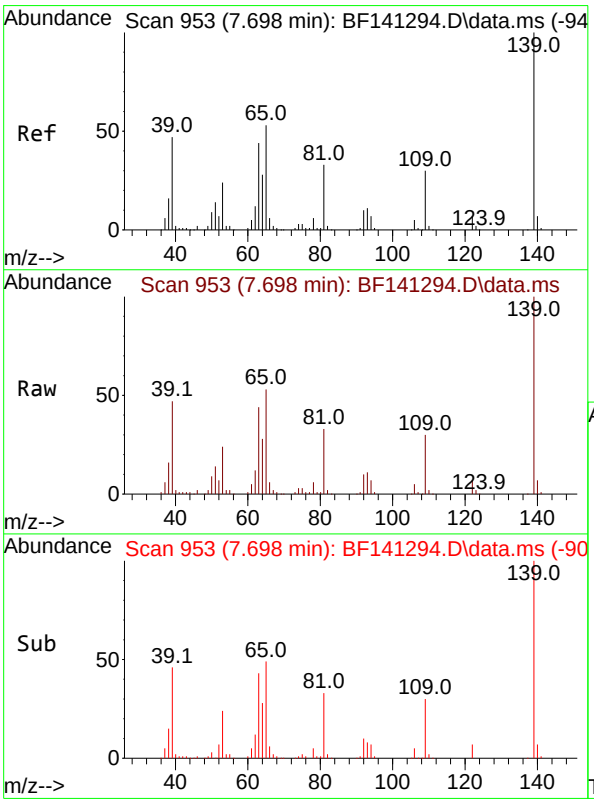
#25
Isophorone
Concen: 37.429 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 651994

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.4	14.7	22.1

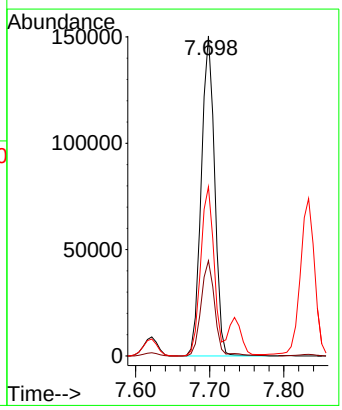


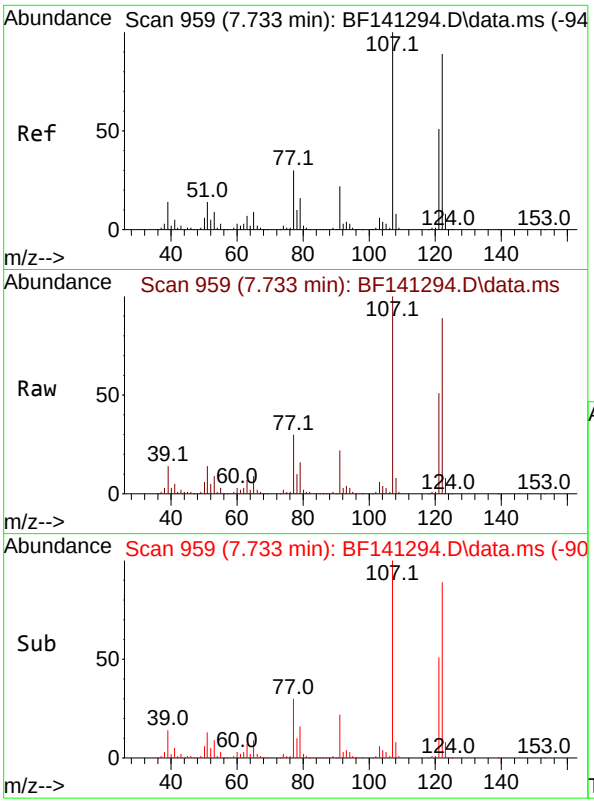


#26
2-Nitrophenol
Concen: 38.483 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 188435

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.8	35.6
65	52.8	42.2	63.4



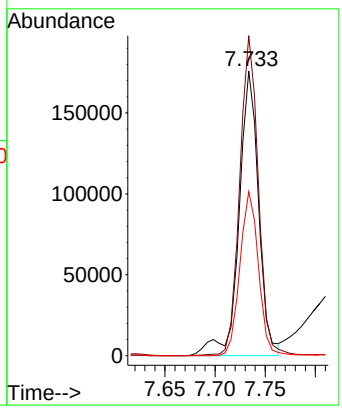


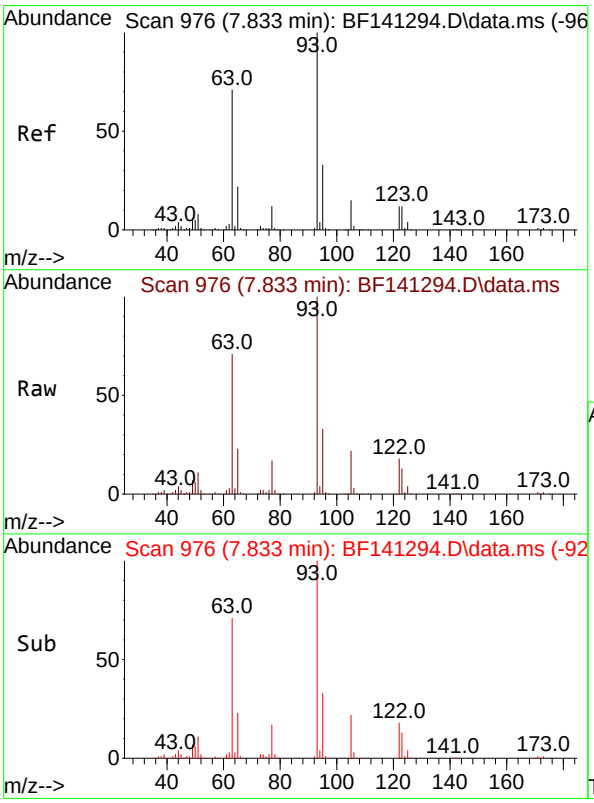
#27
2,4-Dimethylphenol
Concen: 38.255 ng
RT: 7.733 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 239376

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.9	134.9
121	57.6	46.1	69.1

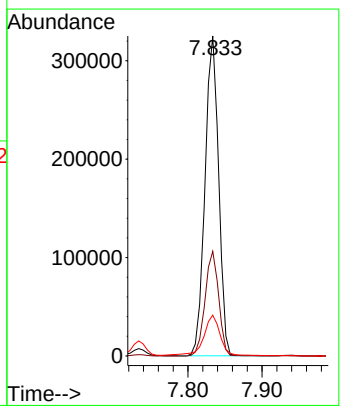


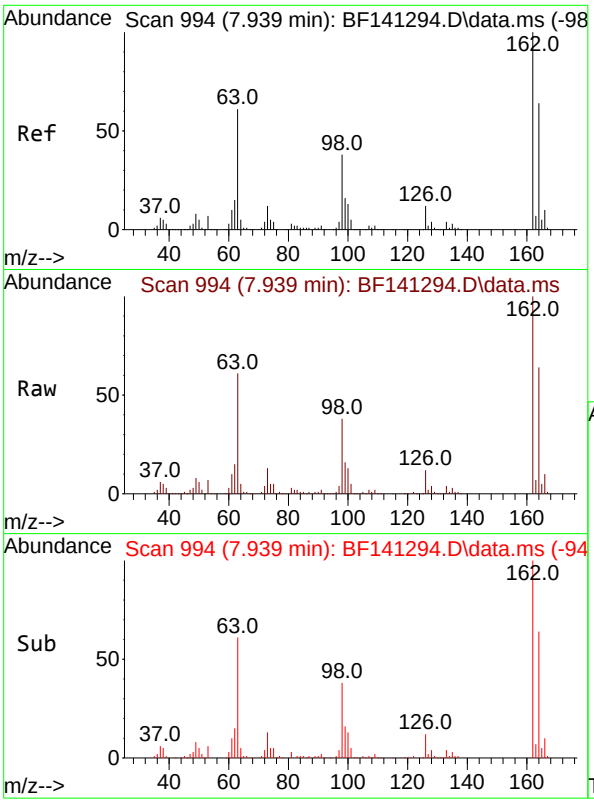


#28
bis(2-Chloroethoxy)methane
Concen: 37.367 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 93 Resp: 414781

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.8	10.2	15.4



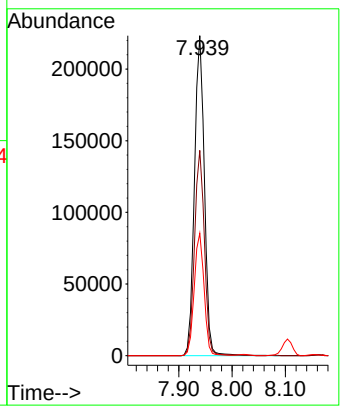


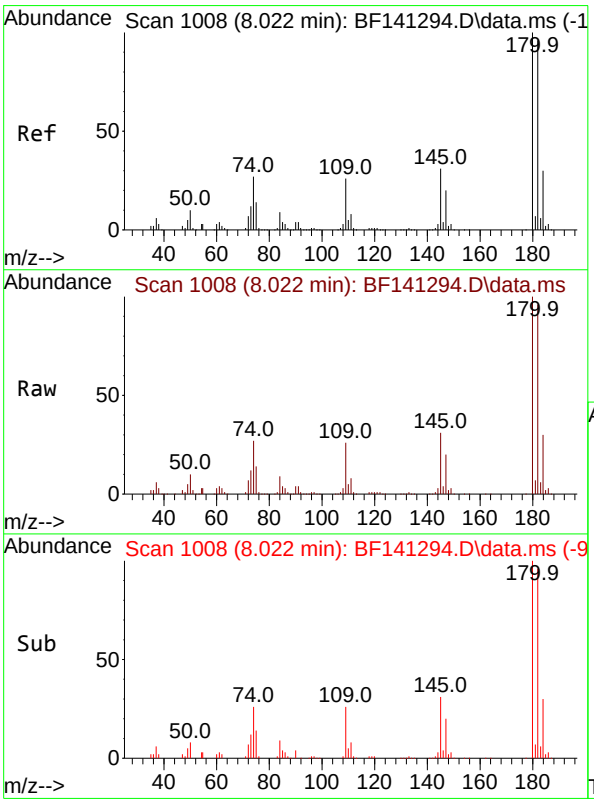
#29
2,4-Dichlorophenol
Concen: 37.768 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 288763

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.2	18.2	58.2

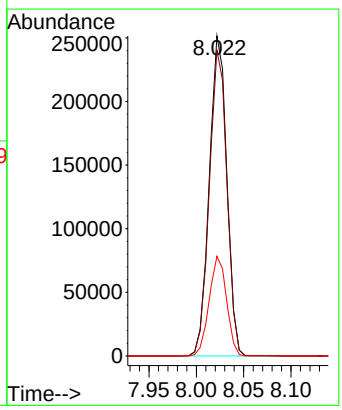


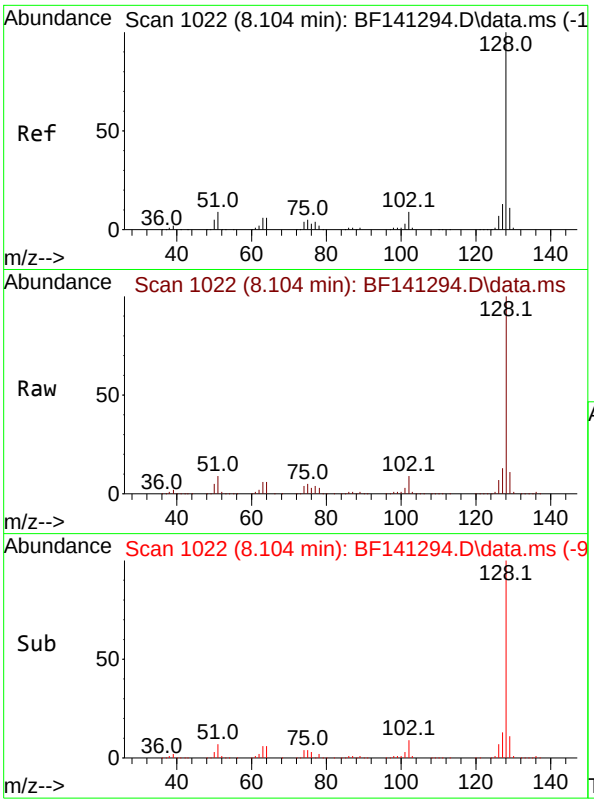


#30
1,2,4-Trichlorobenzene
Concen: 36.932 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:180 Resp: 323865

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.1	24.9	37.3



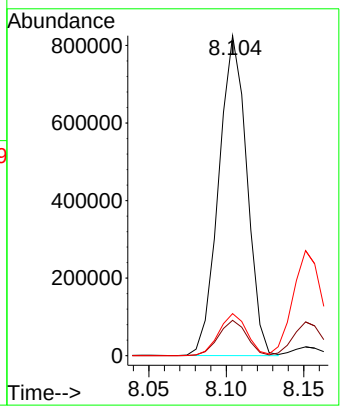


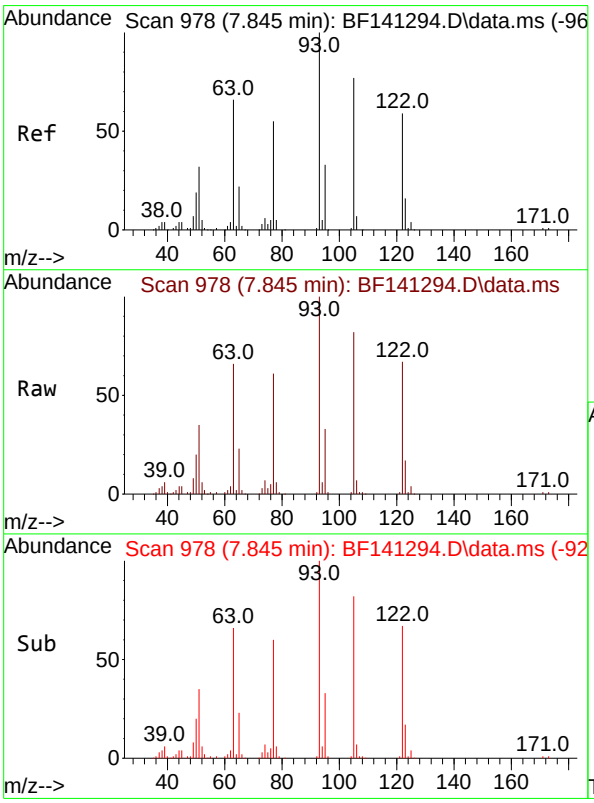
#31
Naphthalene
Concen: 37.116 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1041107

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

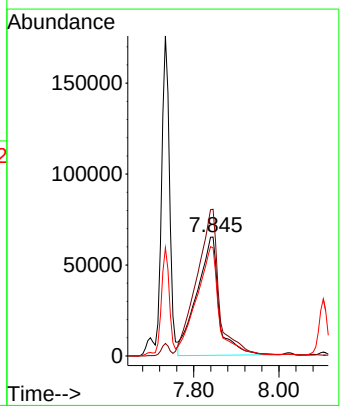


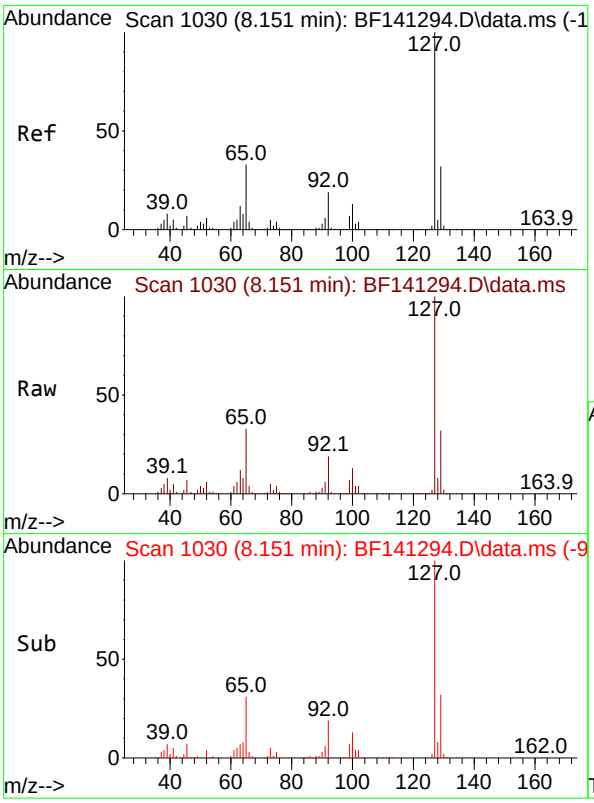


#32
Benzoic acid
Concen: 41.459 ng
RT: 7.845 min Scan# 978
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:122 Resp: 235596

Ion	Ratio	Lower	Upper
122	100		
105	123.4	103.4	143.4
77	90.9	70.9	110.9



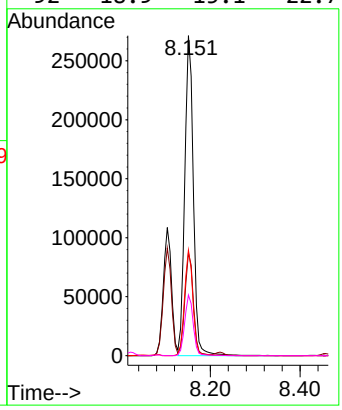


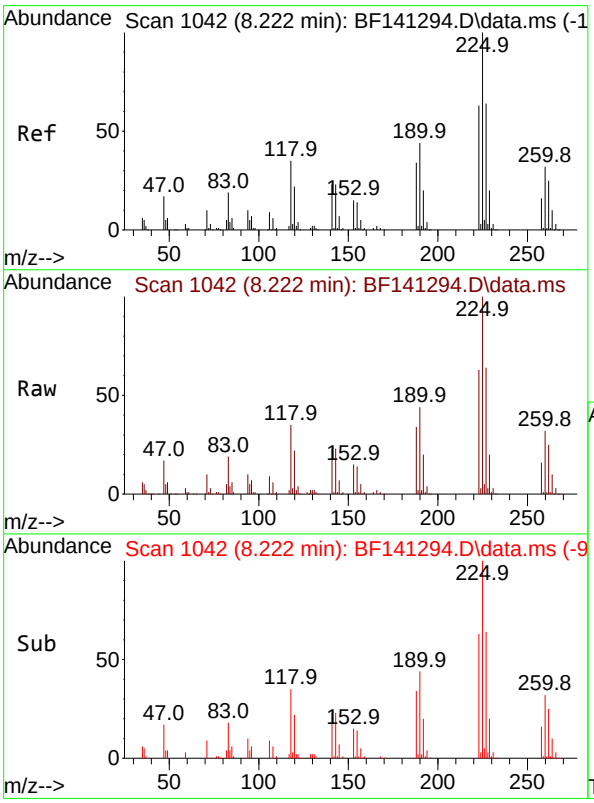
#33
4-Chloroaniline
Concen: 38.313 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 361001

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	33.0	26.4	39.6
92	18.9	15.1	22.7

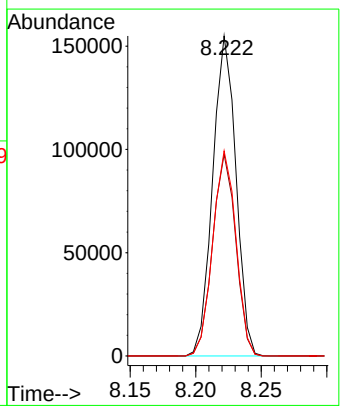


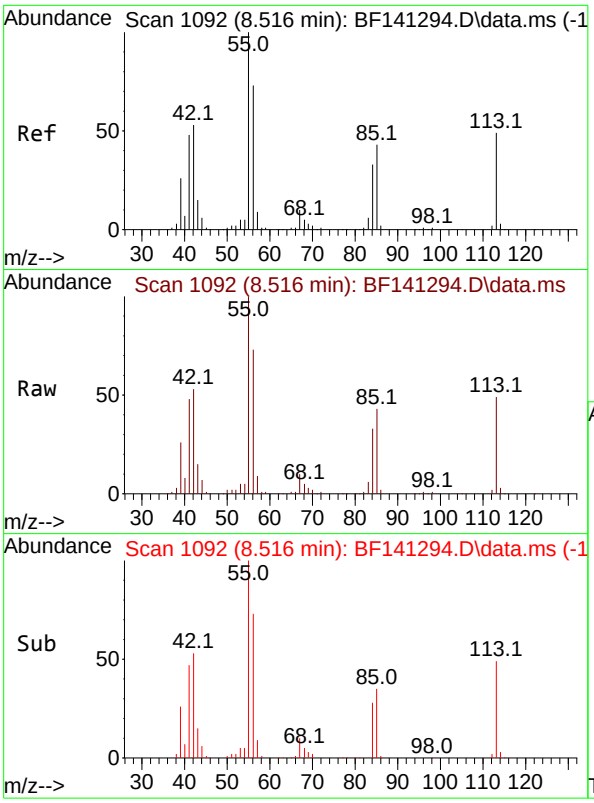


#34
Hexachlorobutadiene
Concen: 37.169 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:225 Resp: 190772

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	64.1	51.3	76.9



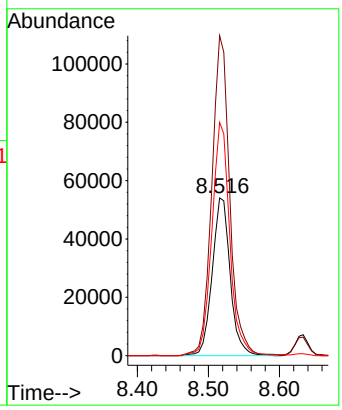


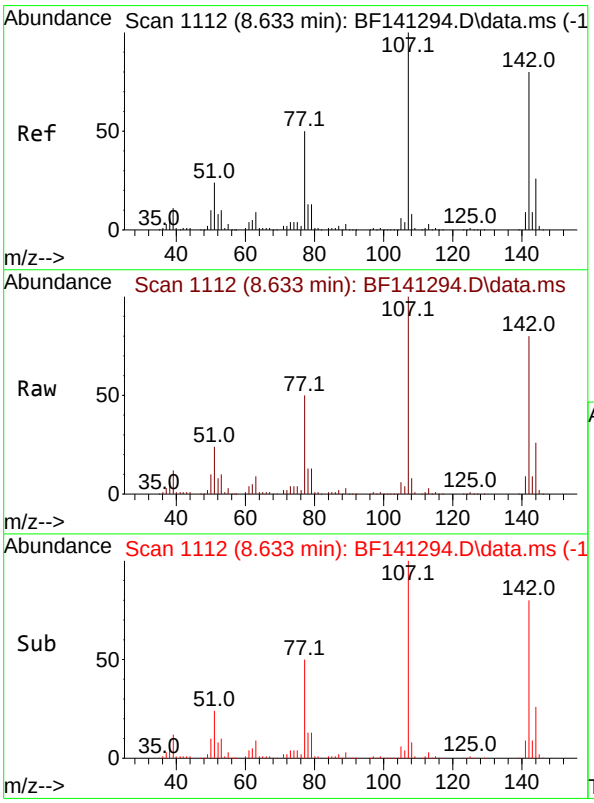
#35
Caprolactam
Concen: 38.342 ng
RT: 8.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 94819

Ion	Ratio	Lower	Upper
113	100		
55	202.9	182.9	222.9
56	147.9	127.9	167.9

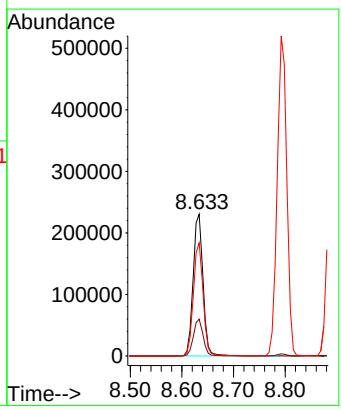


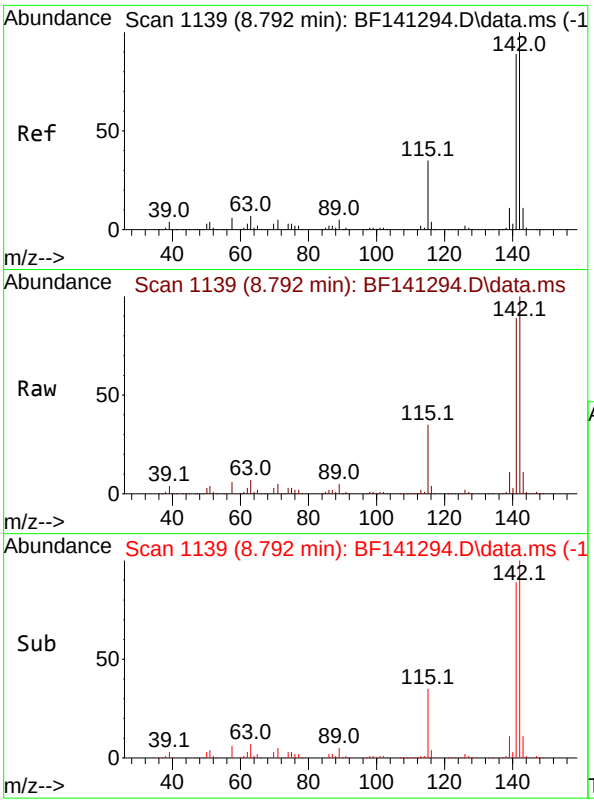


#36
4-Chloro-3-methylphenol
Concen: 37.262 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:107 Resp: 305768

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.7	31.1
142	79.8	63.8	95.8



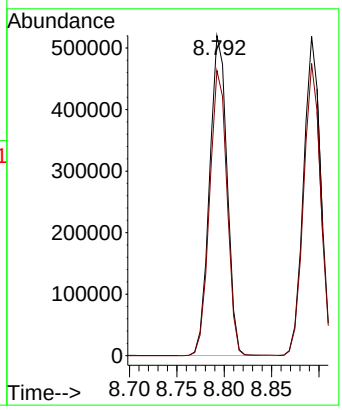


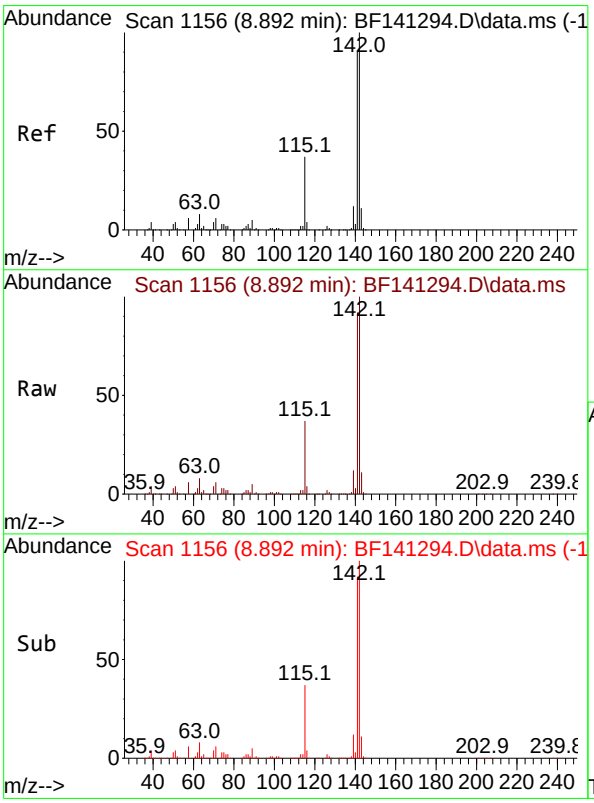
#37
2-Methylnaphthalene
Concen: 37.286 ng
RT: 8.792 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 666038

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

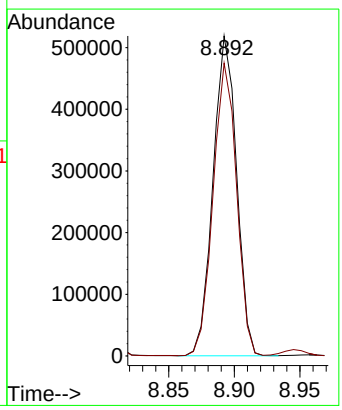


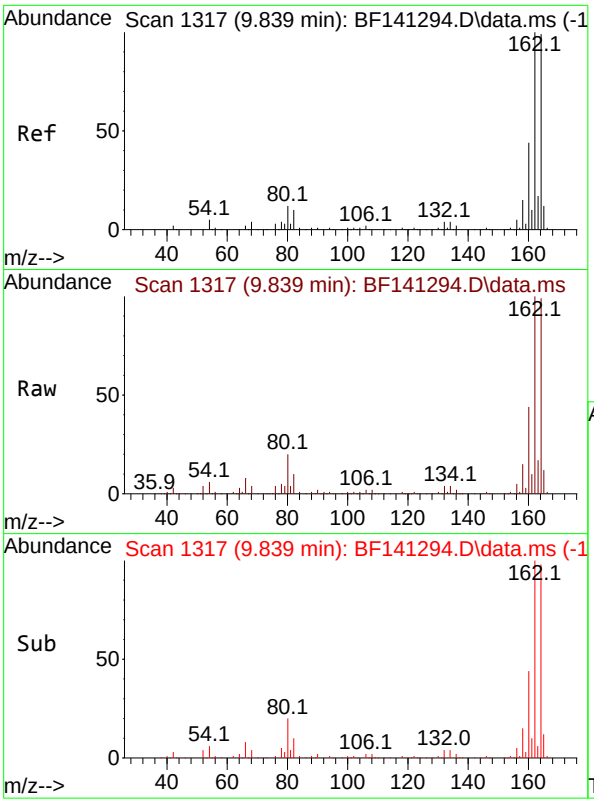


#38
1-Methylnaphthalene
Concen: 36.938 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:142 Resp: 646346

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.2	109.8



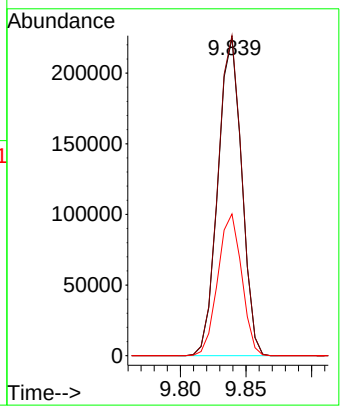


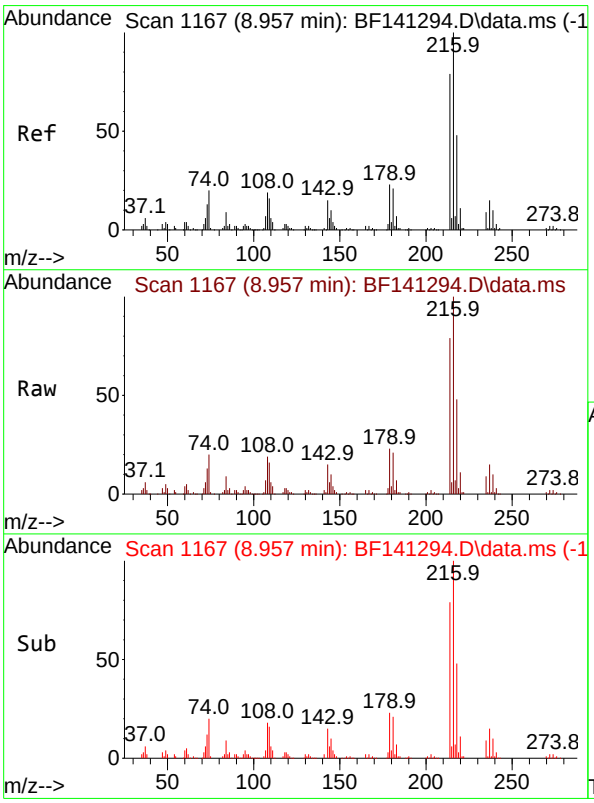
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 282995

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.7	35.8	53.6

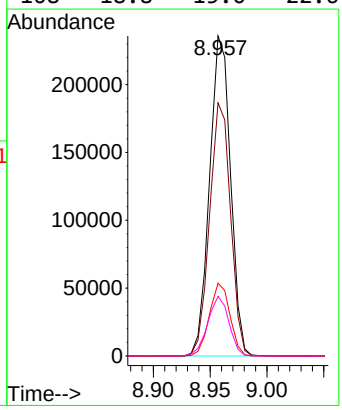


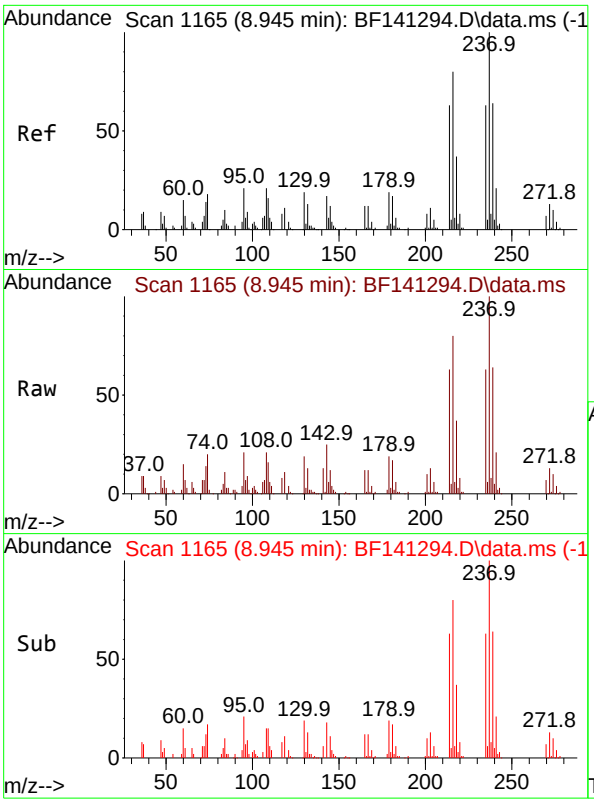


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.591 ng
RT: 8.957 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:216 Resp: 302471

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	22.3	17.8	26.8
108	18.8	15.0	22.6



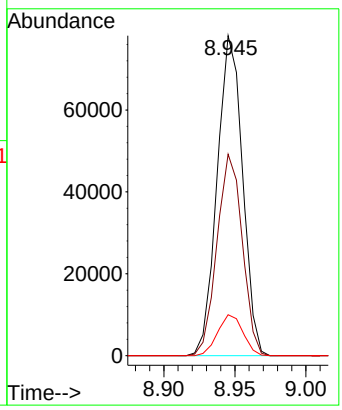


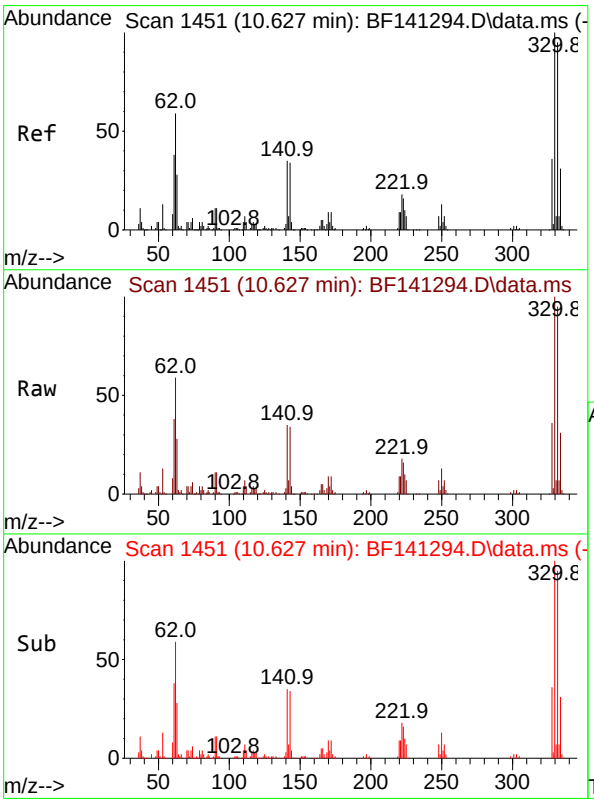
#41
Hexachlorocyclopentadiene
Concen: 40.295 ng
RT: 8.945 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 97299

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.8	0.0	32.8

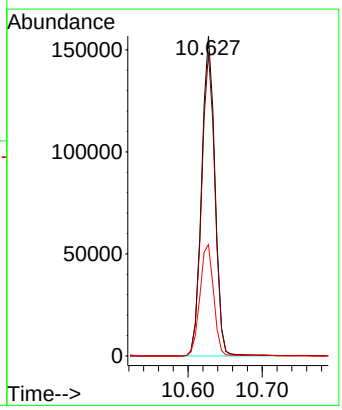


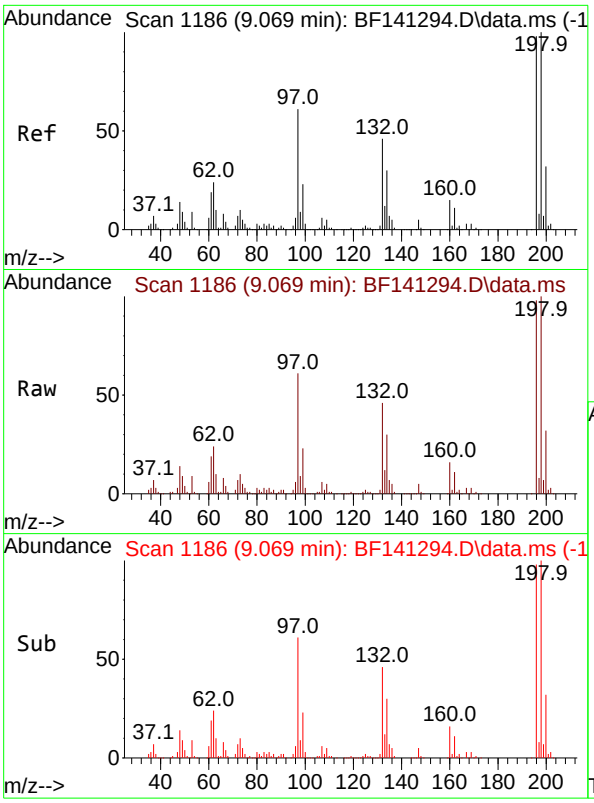


#42
2,4,6-Tribromophenol
Concen: 75.888 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:330 Resp: 195693

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	36.0	28.8	43.2



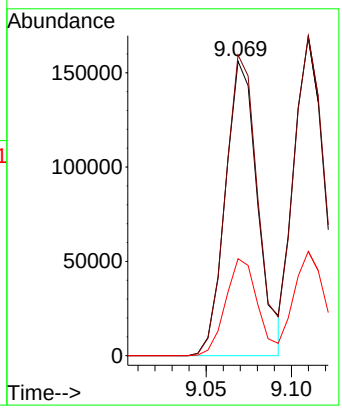


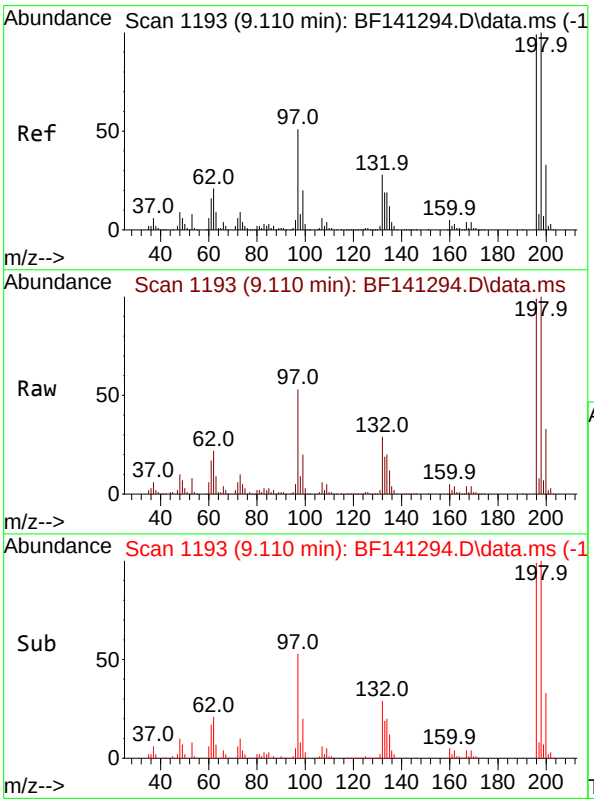
#43
2,4,6-Trichlorophenol
Concen: 39.181 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 205797

Ion	Ratio	Lower	Upper
196	100		
198	102.2	81.8	122.6
200	32.9	26.3	39.5

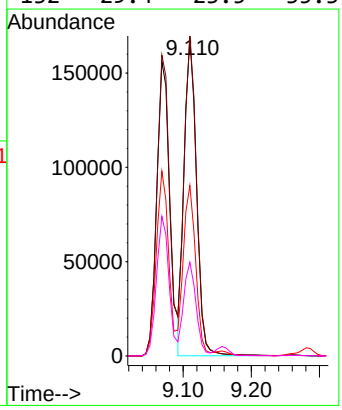


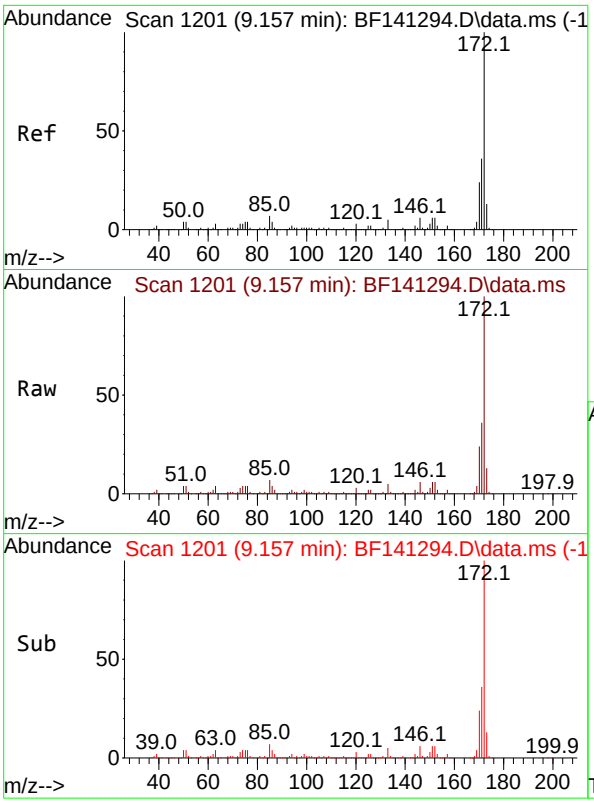


#44
2,4,5-Trichlorophenol
Concen: 37.346 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:196 Resp: 213401

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.5	42.8	64.2
132	29.4	23.5	35.3



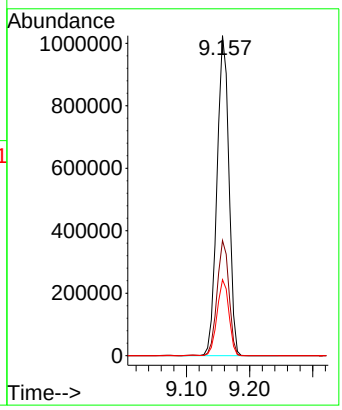


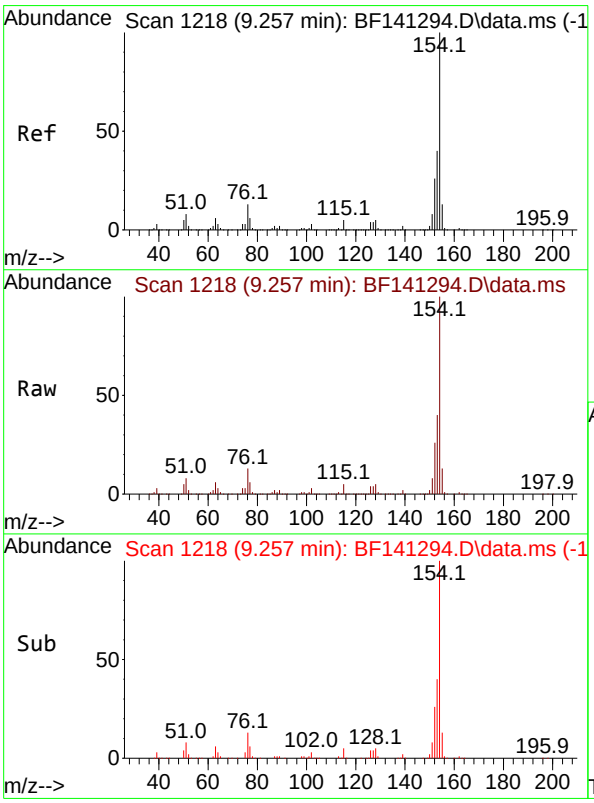
#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1339709

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.8	19.0	28.6

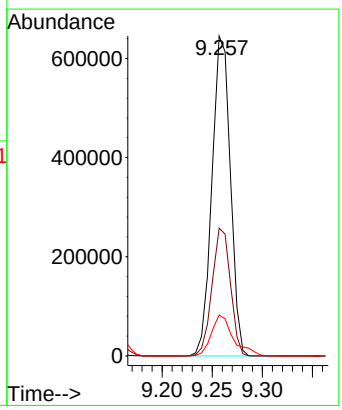


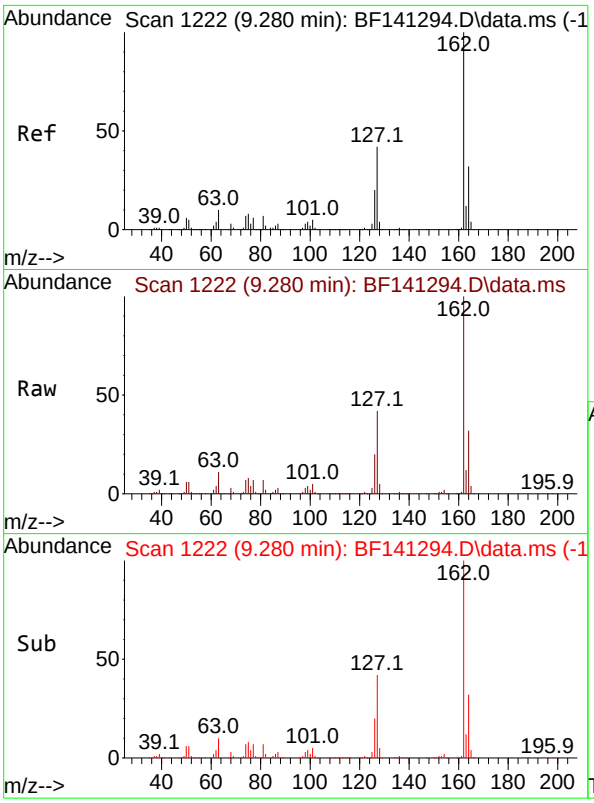


#46
1,1'-Biphenyl
Concen: 37.278 ng
RT: 9.257 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 823004

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	12.8	0.0	32.8



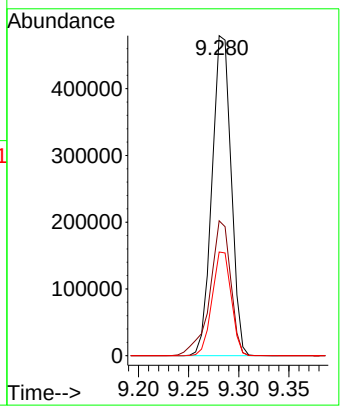


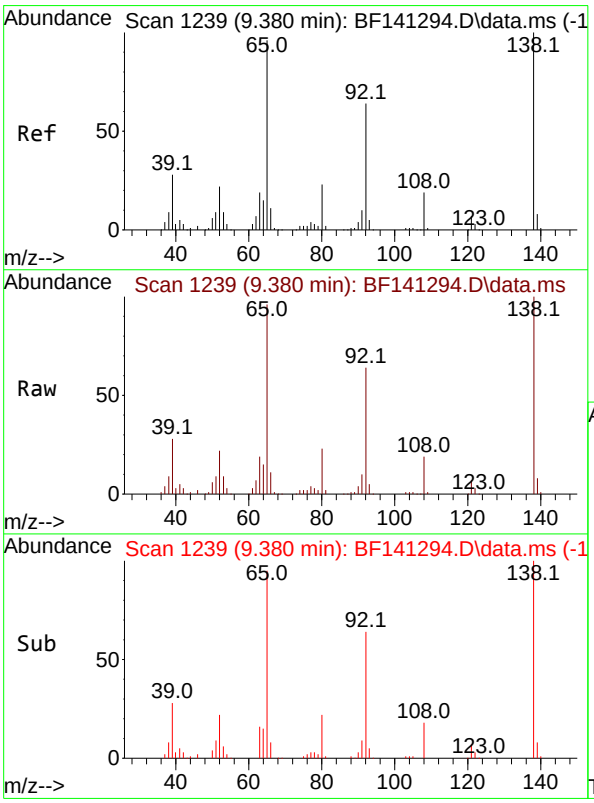
#47
2-Chloronaphthalene
Concen: 37.020 ng
RT: 9.280 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 634814

Ion	Ratio	Lower	Upper
162	100		
127	42.1	33.7	50.5
164	32.4	25.9	38.9

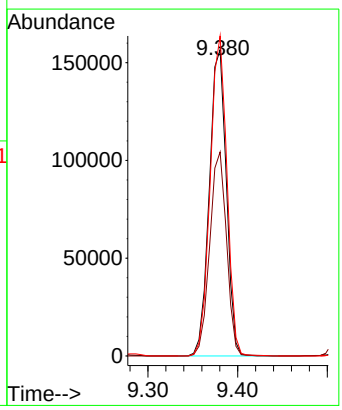


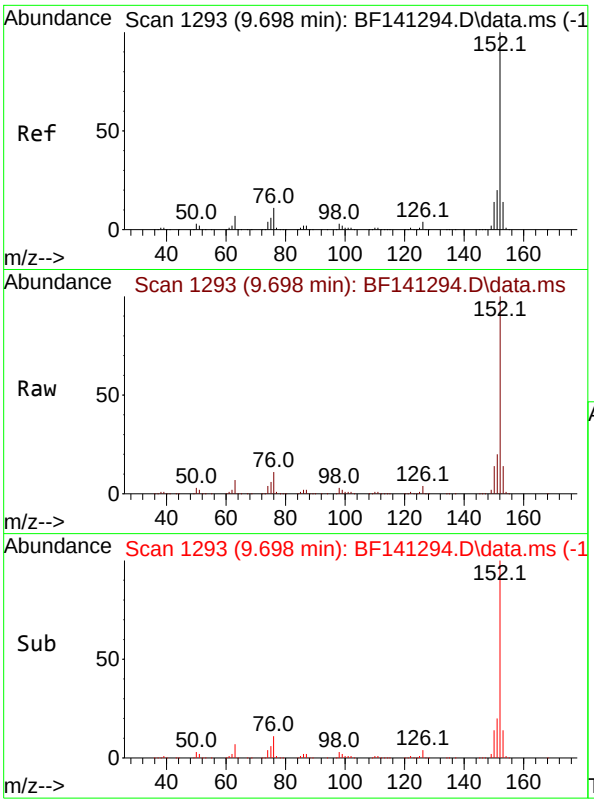


#48
2-Nitroaniline
Concen: 38.089 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion: 65 Resp: 205997

Ion	Ratio	Lower	Upper
65	100		
92	66.6	53.3	79.9
138	104.5	83.6	125.4



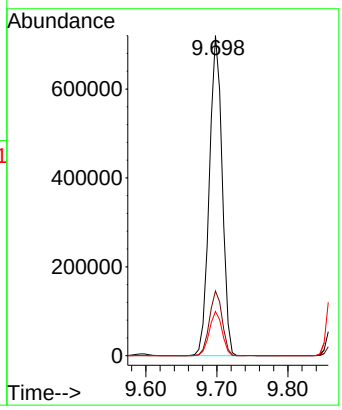


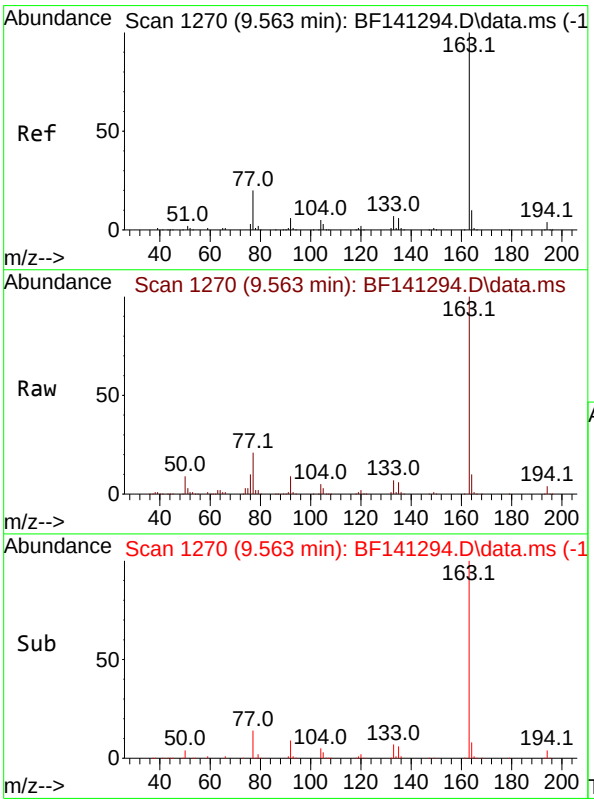
#49
Acenaphthylene
Concen: 37.483 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 902715

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.8	11.0	16.6

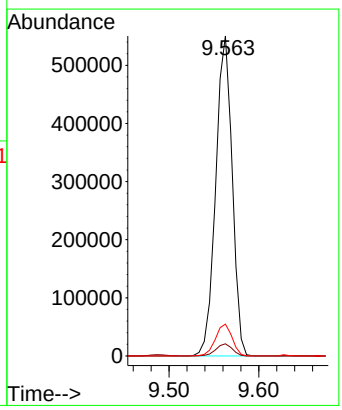


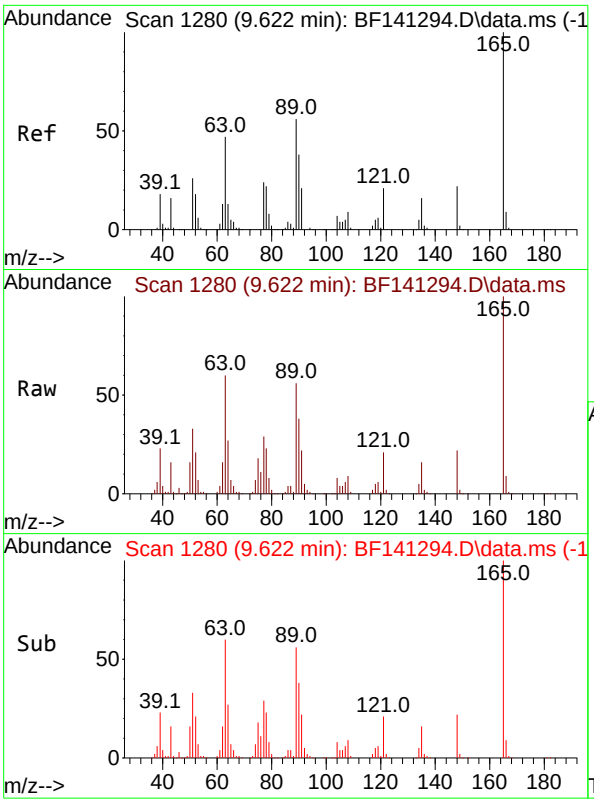


#50
Dimethylphthalate
Concen: 36.945 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:163 Resp: 701107

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



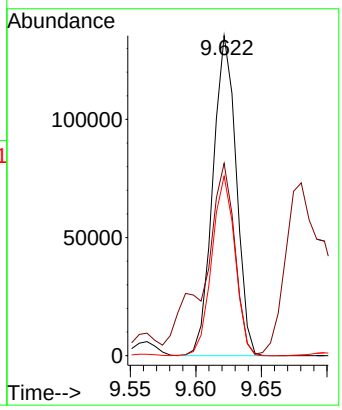


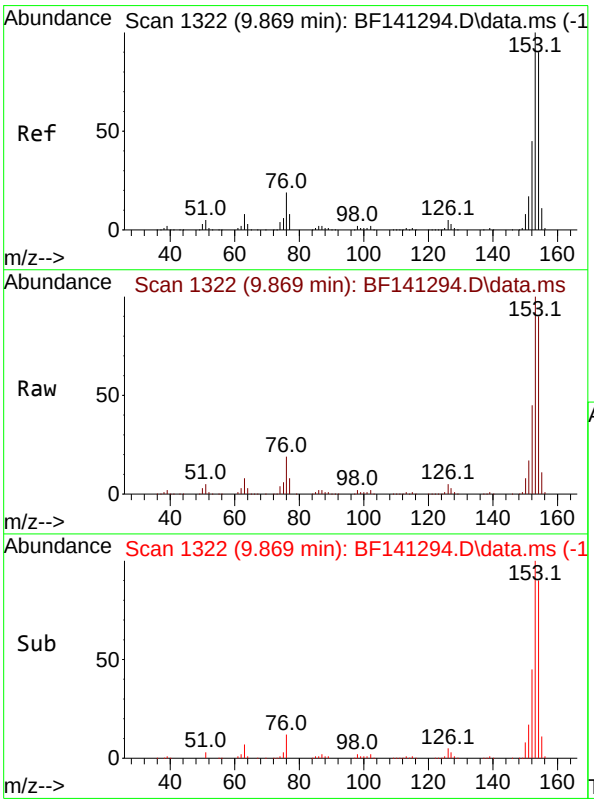
#51
2,6-Dinitrotoluene
Concen: 37.909 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 167409

Ion	Ratio	Lower	Upper
165	100		
63	60.1	48.1	72.1
89	56.1	44.9	67.3

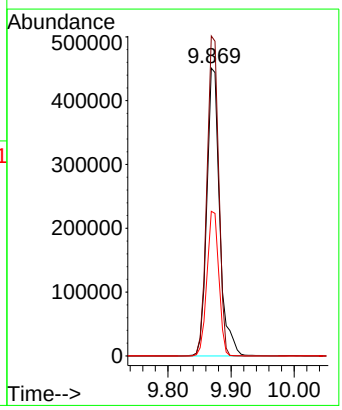


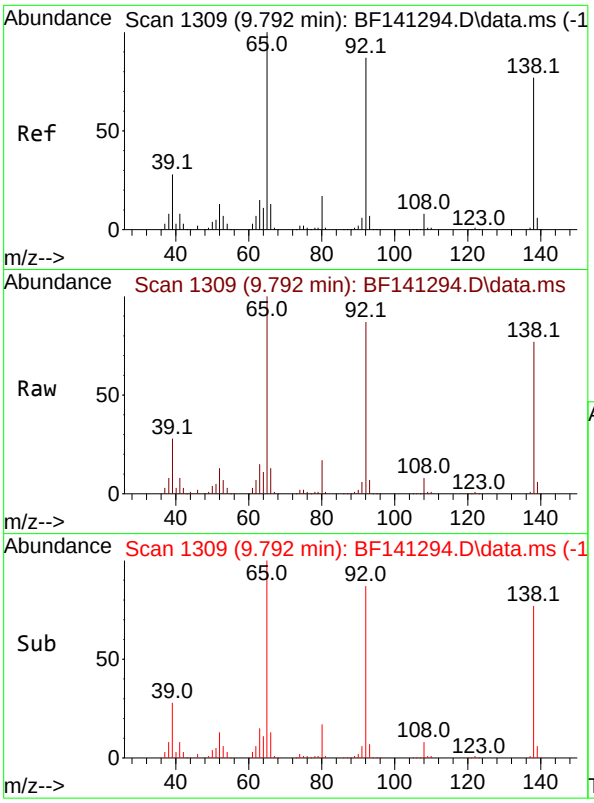


#52
Acenaphthene
Concen: 37.266 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:154 Resp: 638597

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	50.3	40.2	60.4



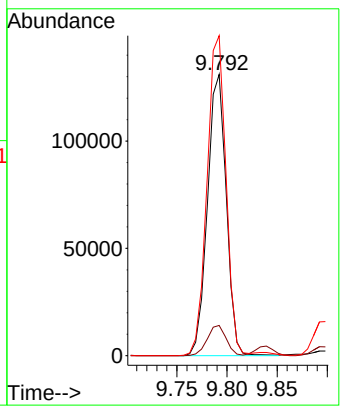


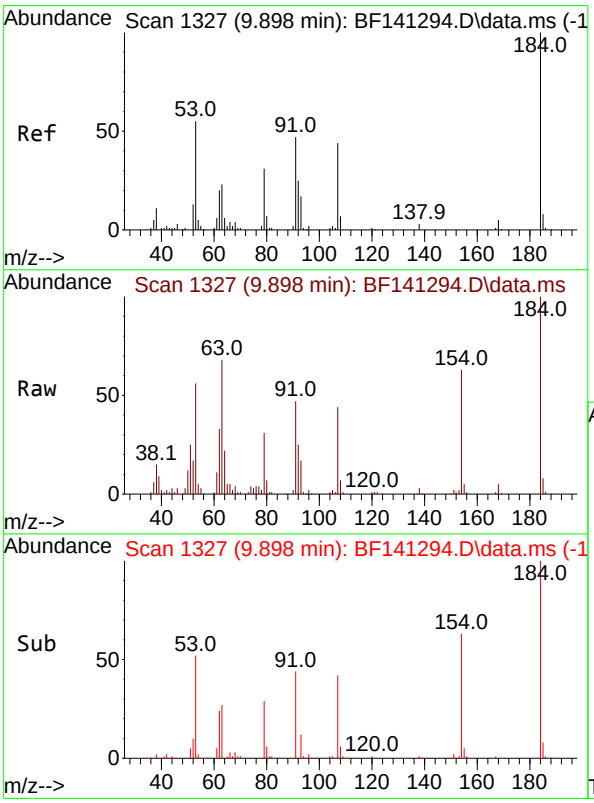
#53
3-Nitroaniline
Concen: 39.240 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 171409

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	113.8	91.0	136.6

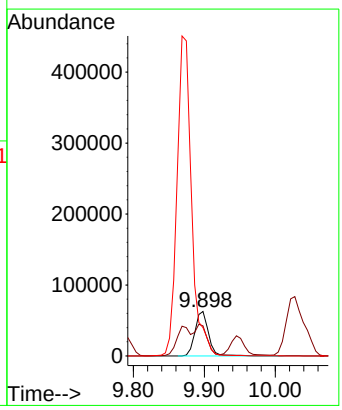


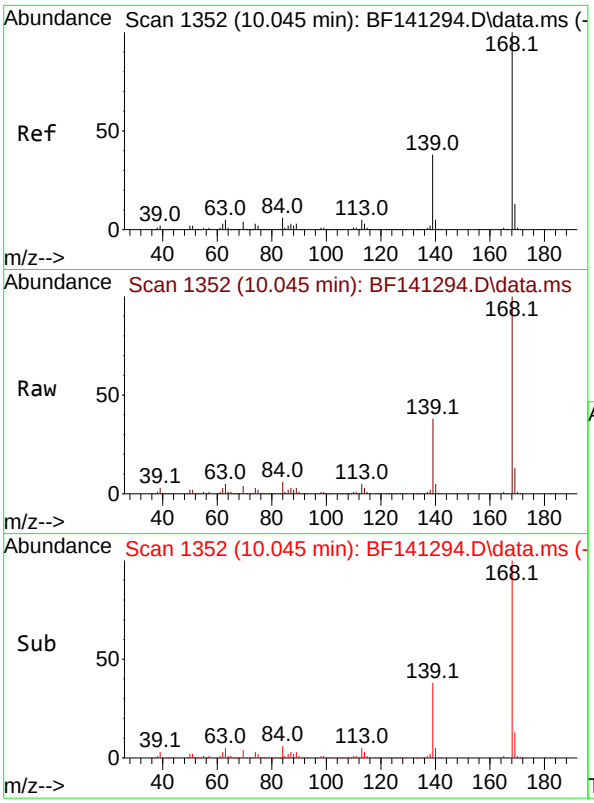


#54
2,4-Dinitrophenol
Concen: 40.011 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:184 Resp: 83282

Ion	Ratio	Lower	Upper
184	100		
63	67.6	54.1	81.1
154	63.4	50.7	76.1



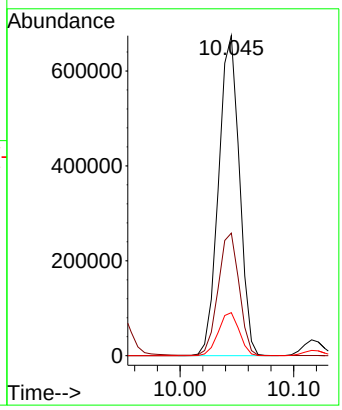


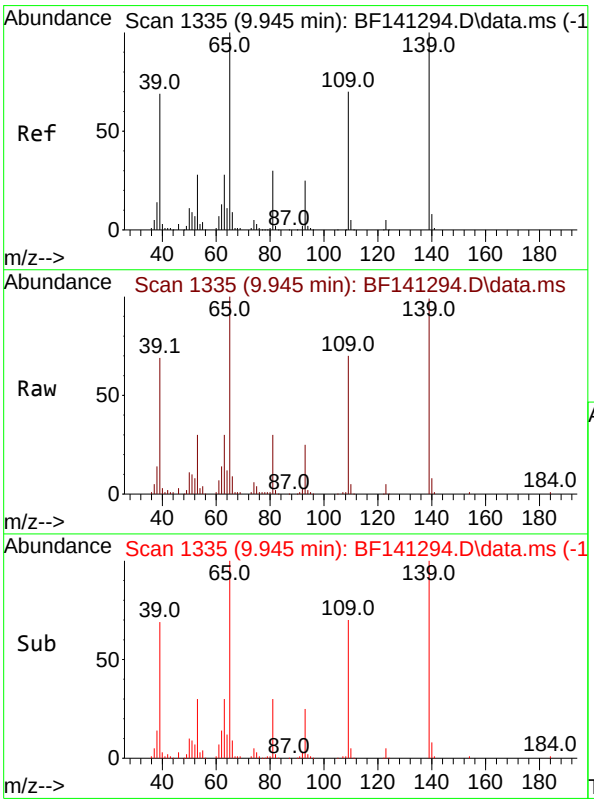
#55
Dibenzofuran
Concen: 37.490 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 859175

Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	46.0
169	13.5	10.8	16.2

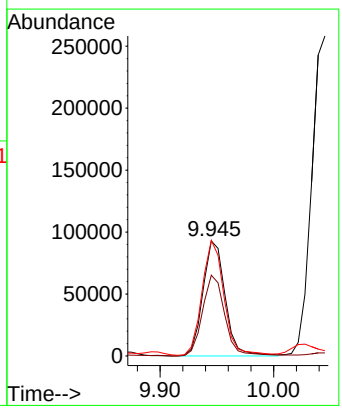


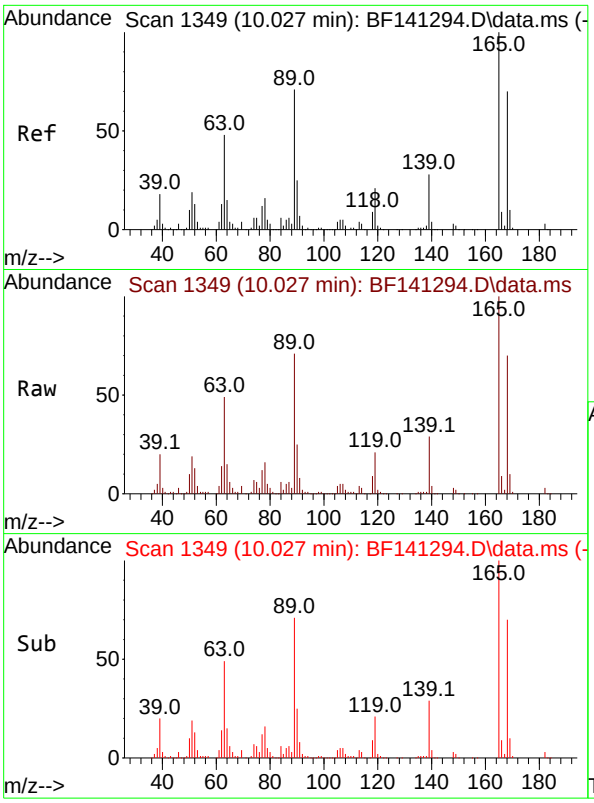


#56
4-Nitrophenol
Concen: 40.349 ng
RT: 9.945 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:139 Resp: 126536

Ion	Ratio	Lower	Upper
139	100		
109	70.2	50.2	90.2
65	100.6	80.6	120.6



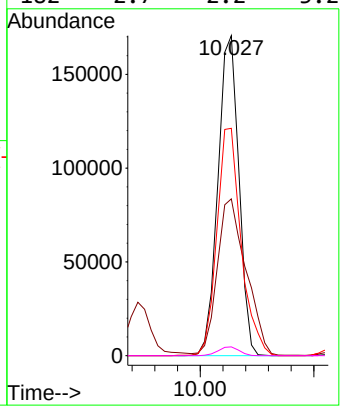


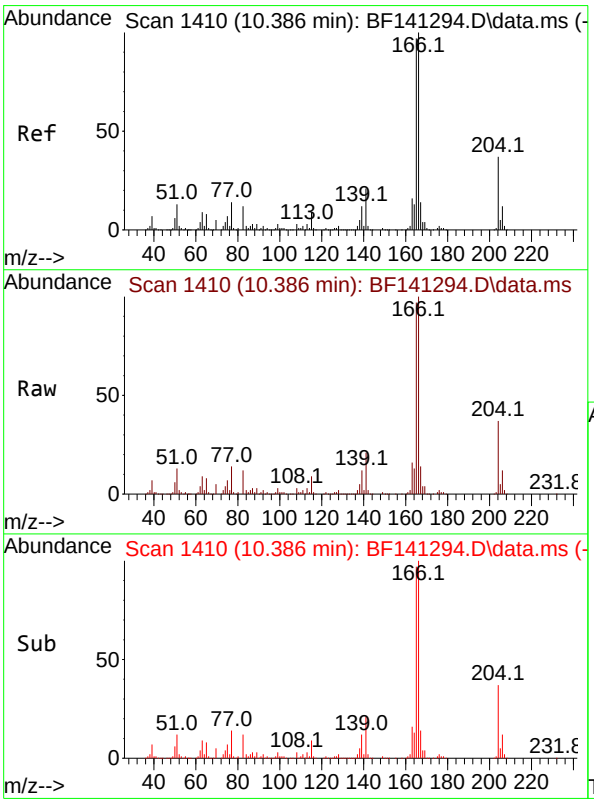
#57
2,4-Dinitrotoluene
Concen: 38.382 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 218627

Ion	Ratio	Lower	Upper
165	100		
63	49.0	39.2	58.8
89	71.1	56.9	85.3
182	2.7	2.2	3.2

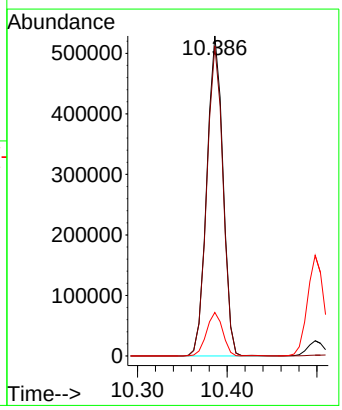


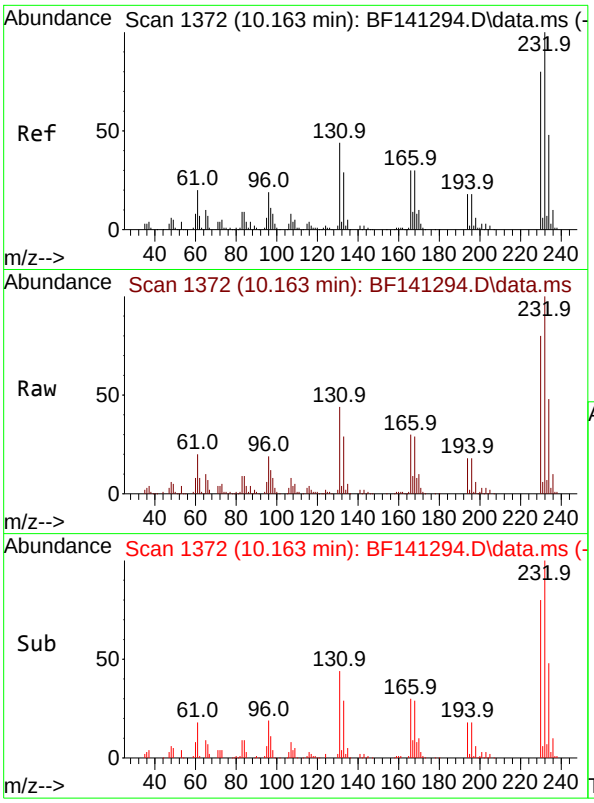


#58
Fluorene
Concen: 37.076 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:166 Resp: 660612

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3



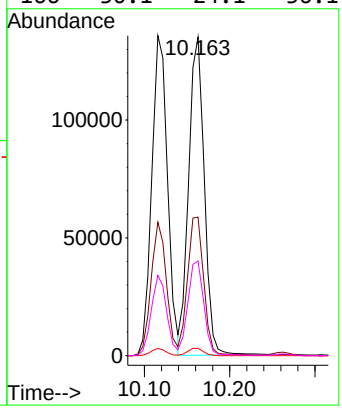


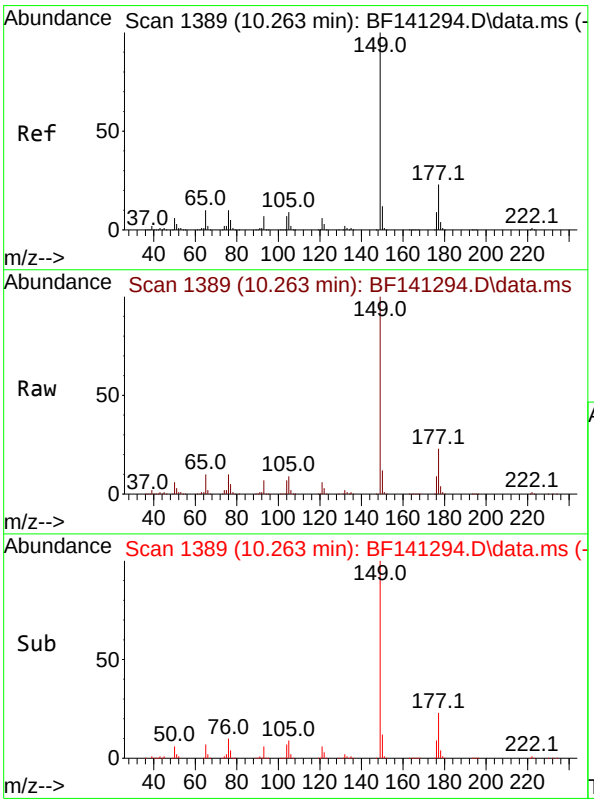
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.138 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 172174

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.4	54.6
130	2.4	1.9	2.9
166	30.1	24.1	36.1

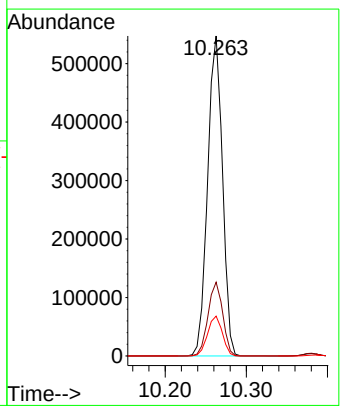


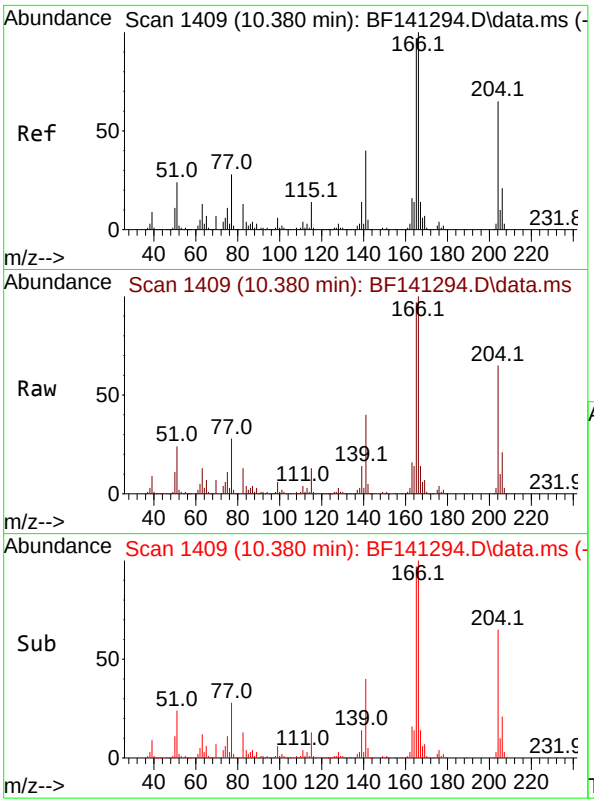


#60
Diethylphthalate
Concen: 37.710 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 693066

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.5	27.7
150	12.5	10.0	15.0



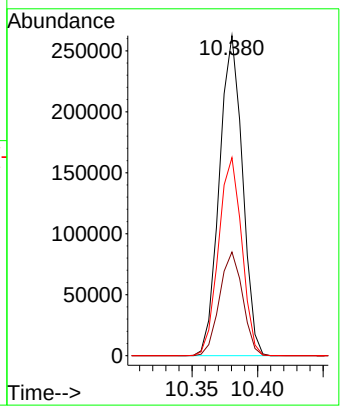


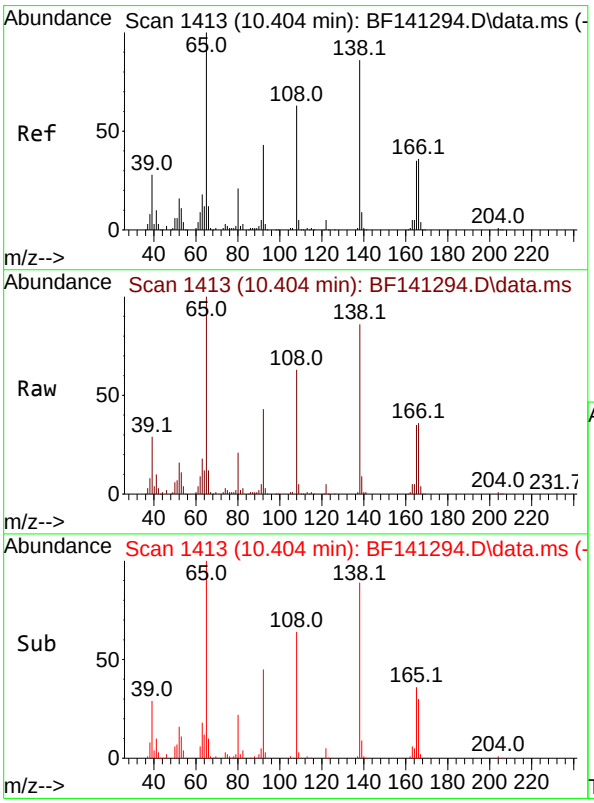
#61
4-Chlorophenyl-phenylether
Concen: 36.929 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 321112

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	61.9	49.5	74.3

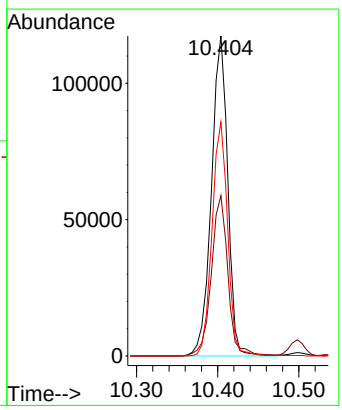


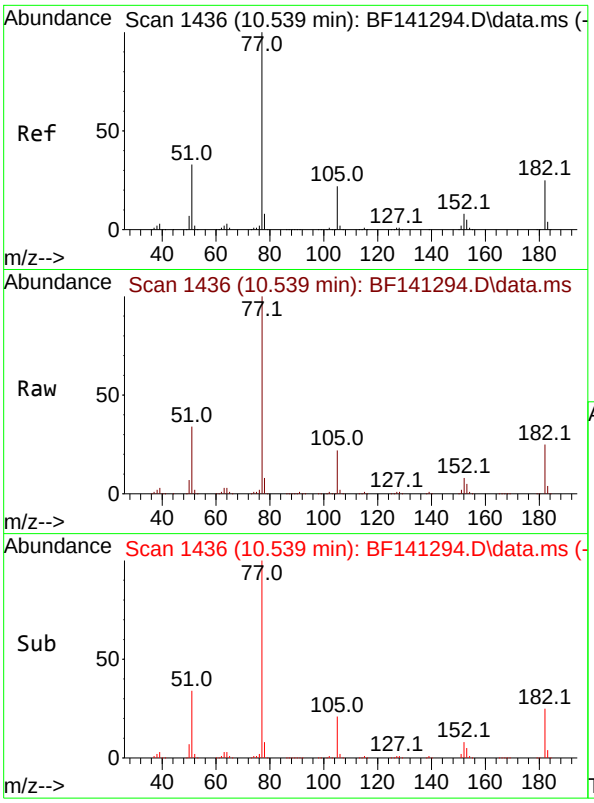


#62
4-Nitroaniline
Concen: 39.120 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:138 Resp: 164154

Ion	Ratio	Lower	Upper
138	100		
92	50.1	30.1	70.1
108	73.1	53.1	93.1



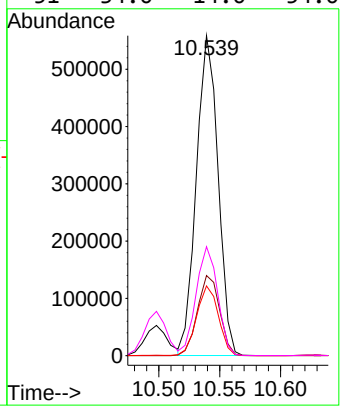


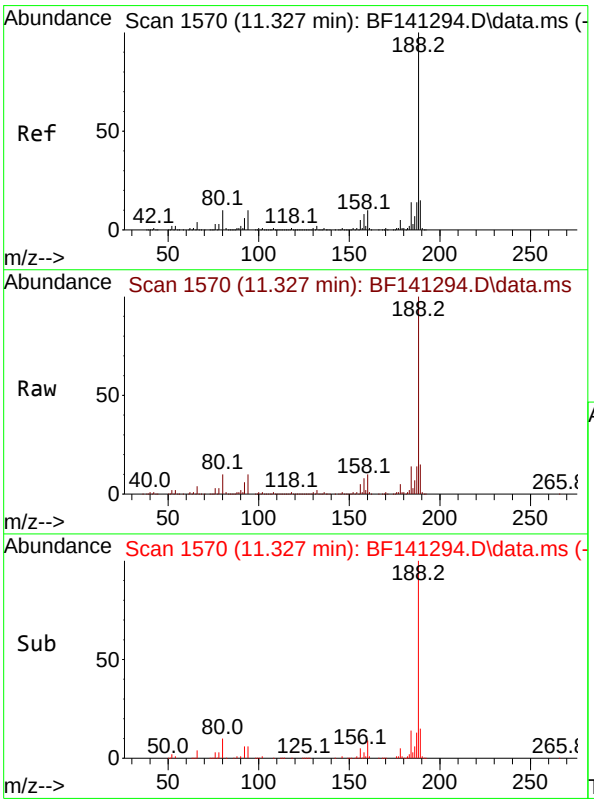
#63
Azobenzene
Concen: 37.621 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 693050

Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.8	1.8	41.8
51	34.0	14.0	54.0

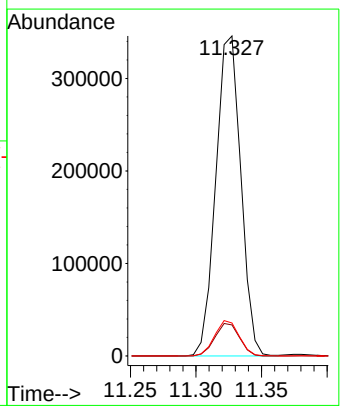


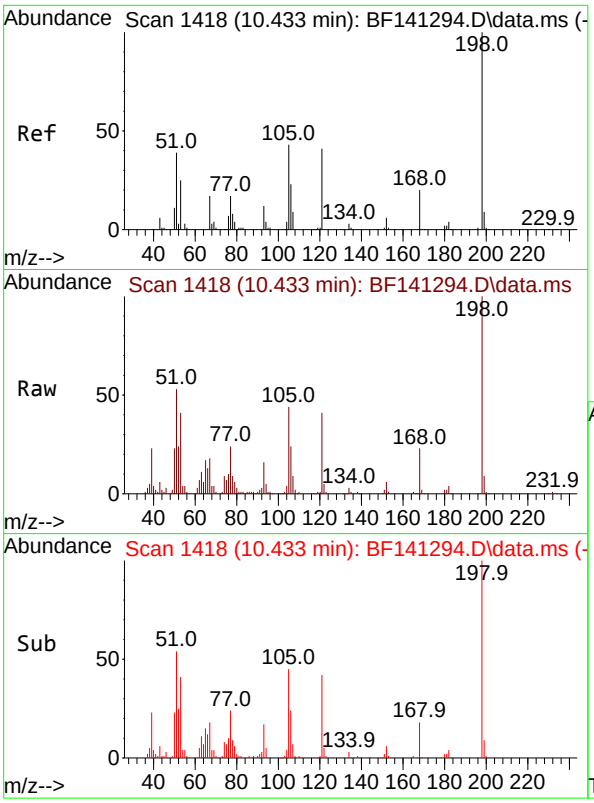


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:188 Resp: 458392

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.3	8.2	12.4



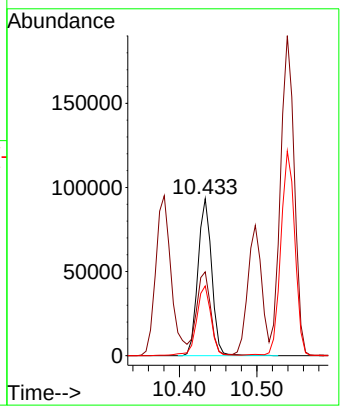


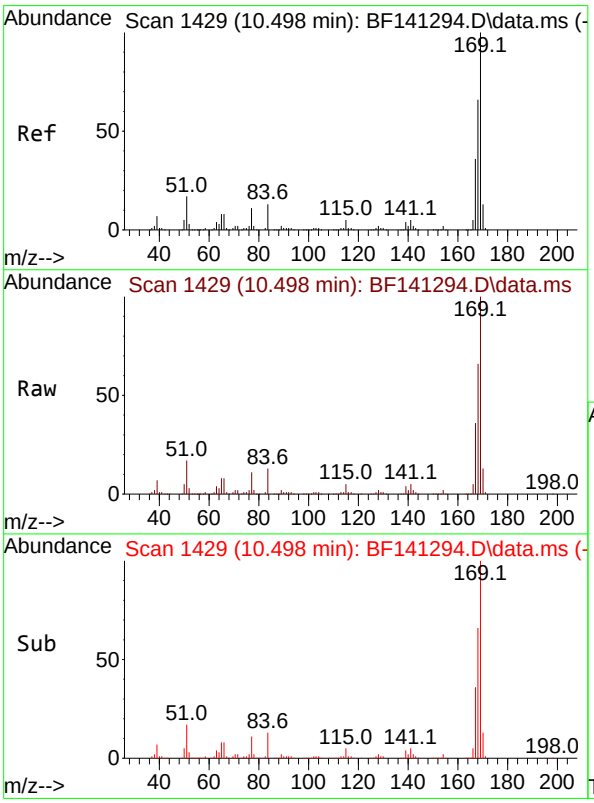
#65
4,6-Dinitro-2-methylphenol
Concen: 41.914 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 114735

Ion	Ratio	Lower	Upper
198	100		
51	53.4	33.4	73.4
105	44.4	24.4	64.4

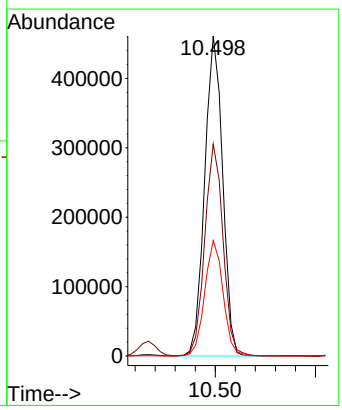


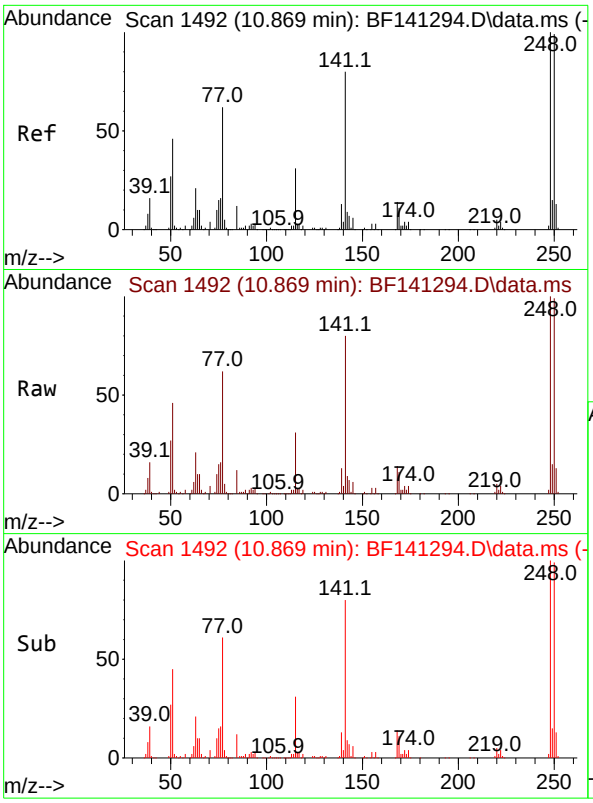


#66
n-Nitrosodiphenylamine
Concen: 38.602 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:169 Resp: 573712

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.0	28.8	43.2



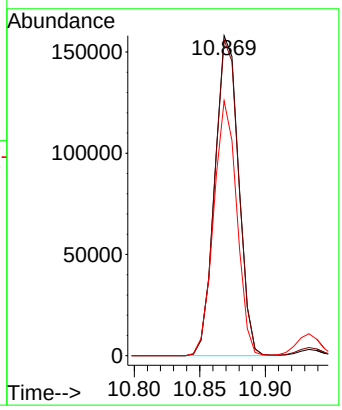


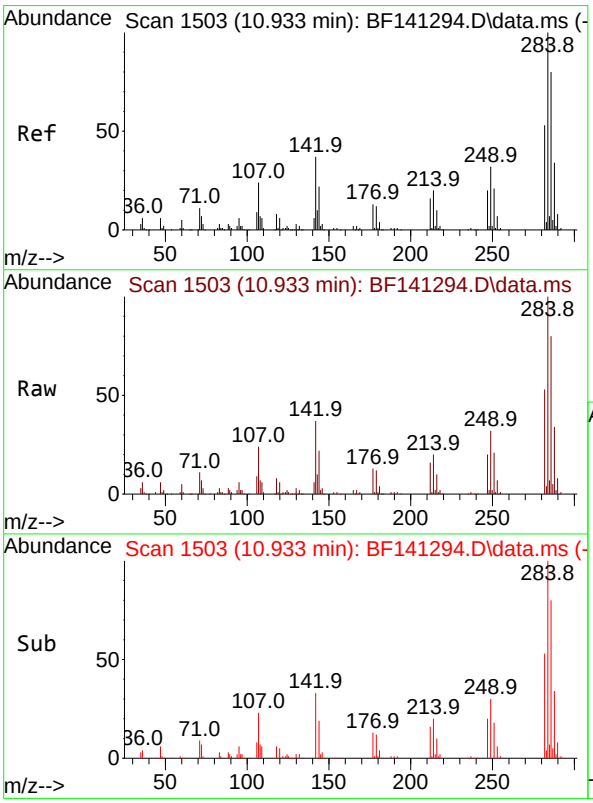
#67
4-Bromophenyl-phenylether
Concen: 38.815 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 198895

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	79.6	63.7	95.5

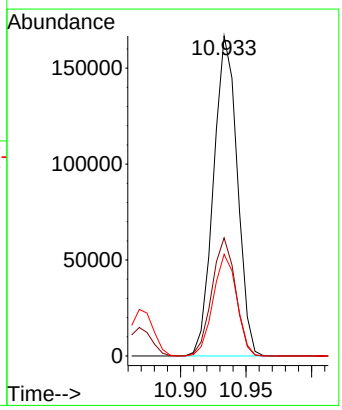


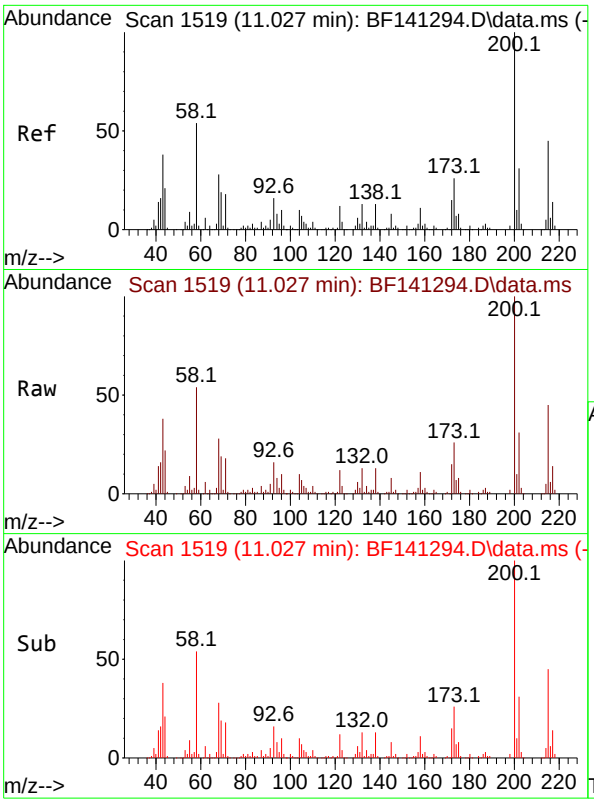


#68
Hexachlorobenzene
Concen: 38.586 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:284 Resp: 209735

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	31.8	25.4	38.2



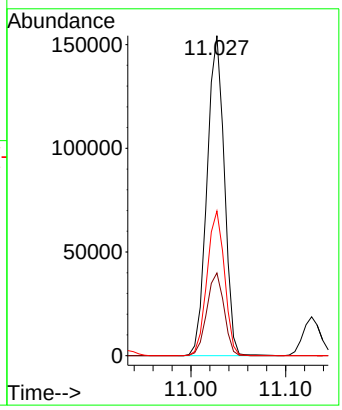


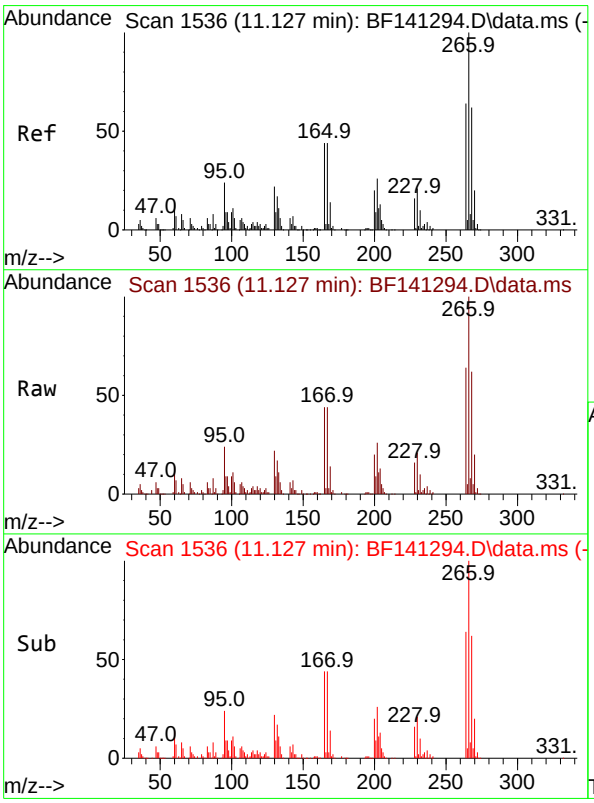
#69
Atrazine
Concen: 39.131 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 195062

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	45.2	25.2	65.2

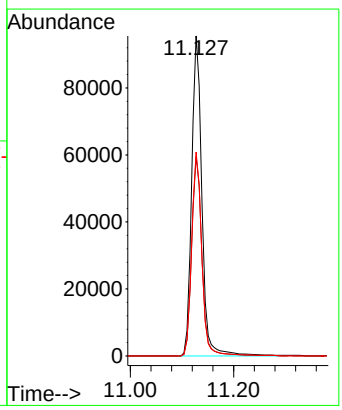


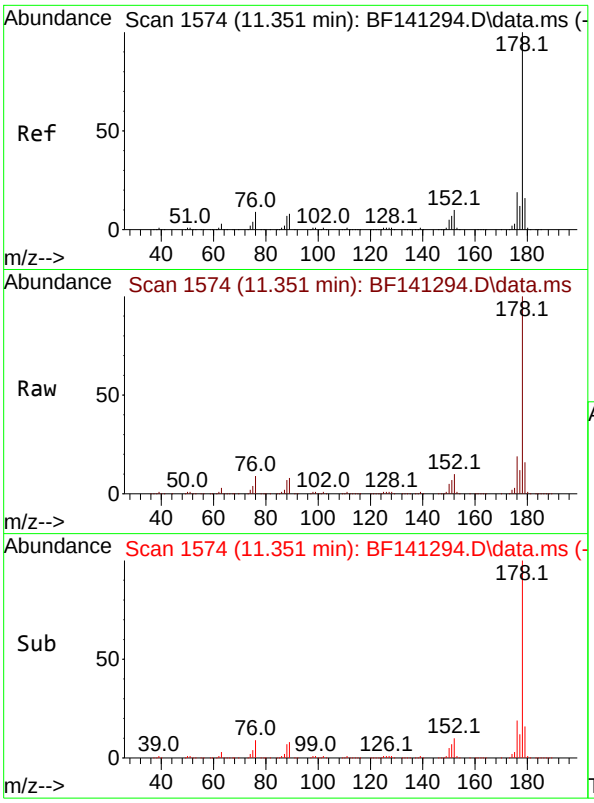


#70
Pentachlorophenol
Concen: 41.196 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:266 Resp: 131295

Ion	Ratio	Lower	Upper
266	100		
268	62.4	49.9	74.9
264	63.7	51.0	76.4



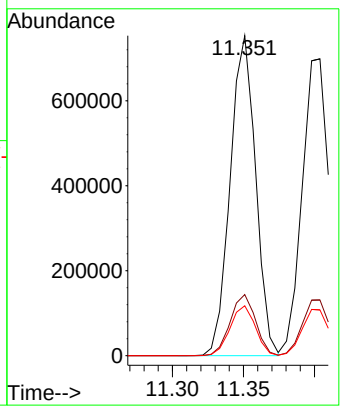


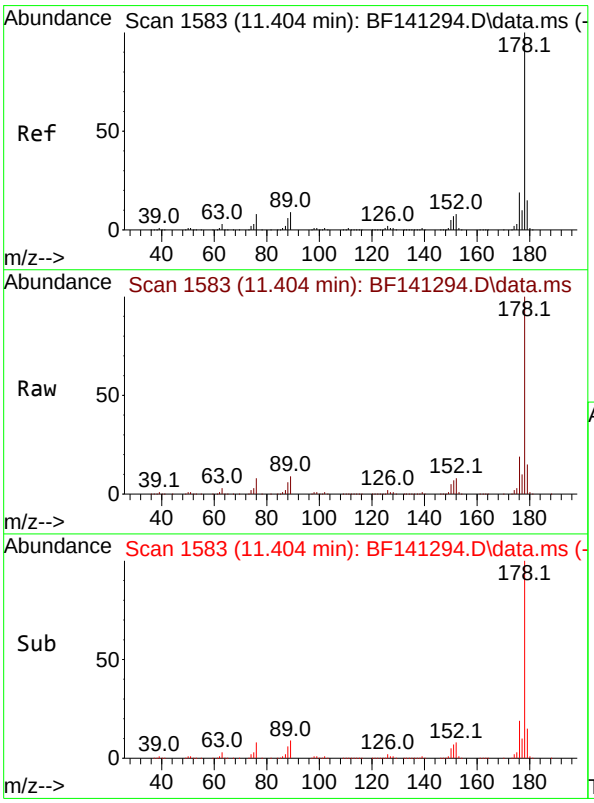
#71
Phenanthrene
Concen: 38.175 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 940021

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

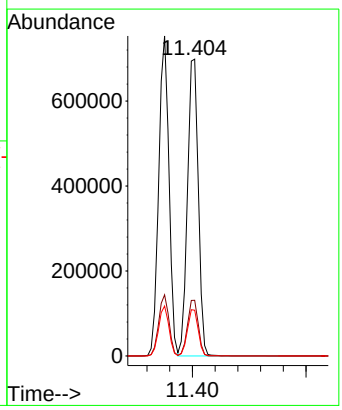


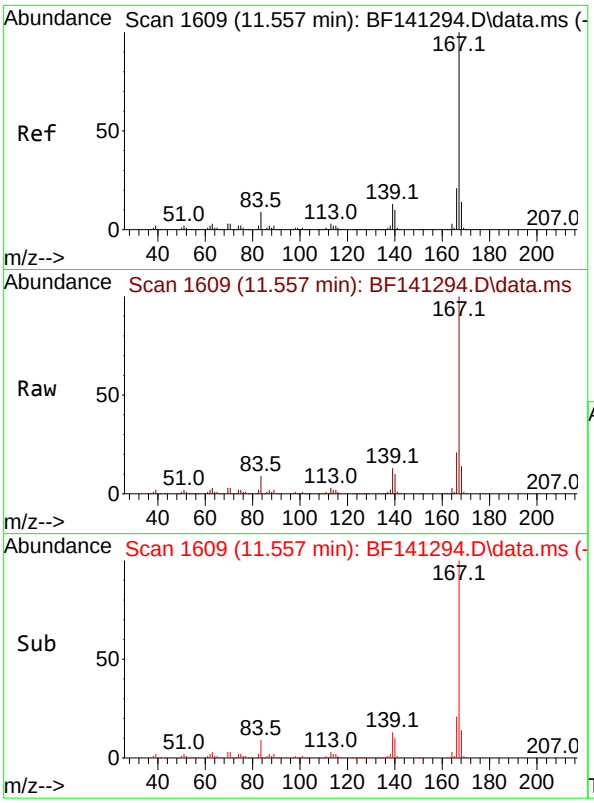


#72
Anthracene
Concen: 38.521 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:178 Resp: 925244

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.4	12.3	18.5



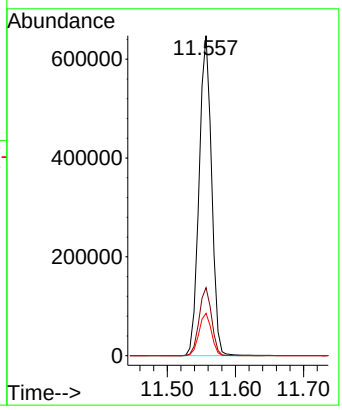


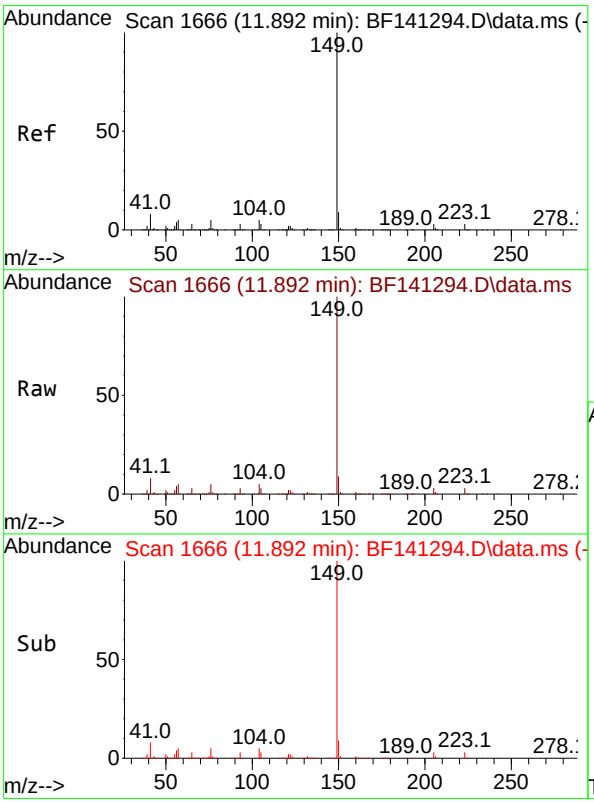
#73
Carbazole
Concen: 38.735 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 824095

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	13.3	10.6	16.0

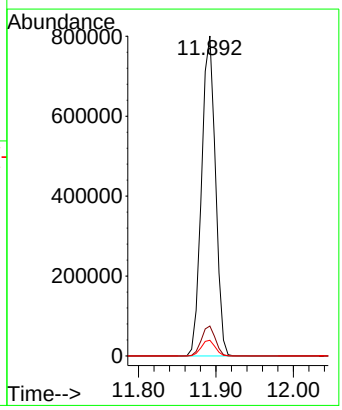


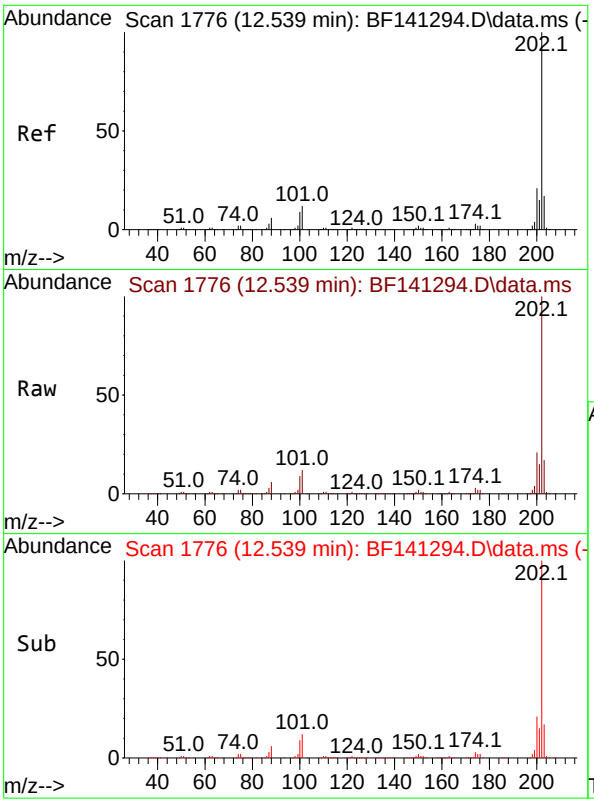


#74
Di-n-butylphthalate
Concen: 38.805 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 995172

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



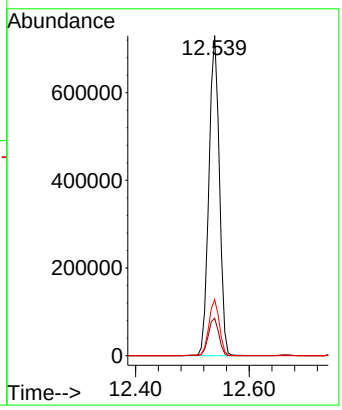


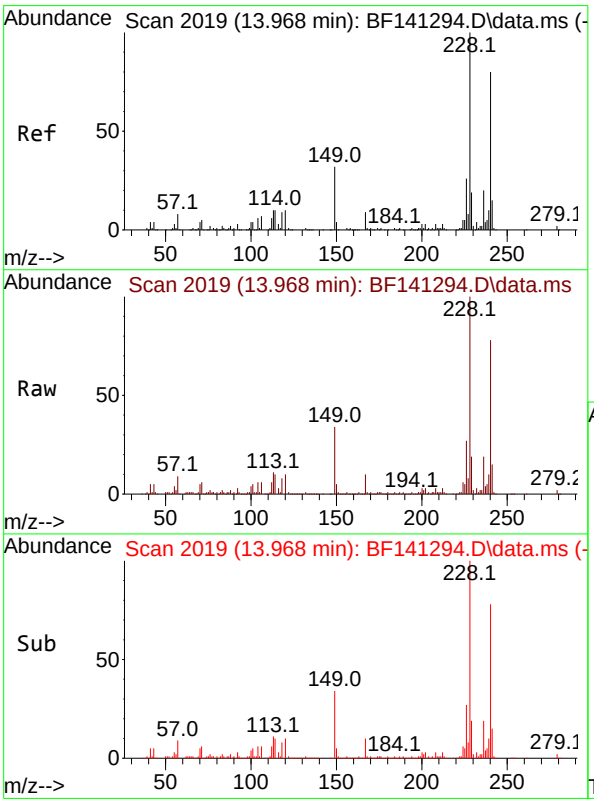
#75
Fluoranthene
Concen: 38.650 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 928946

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5

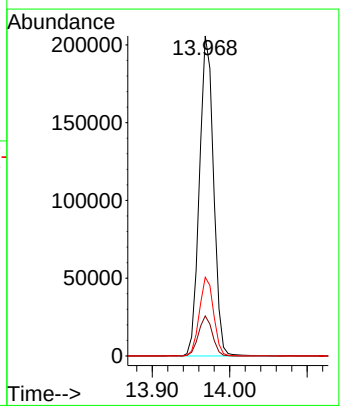


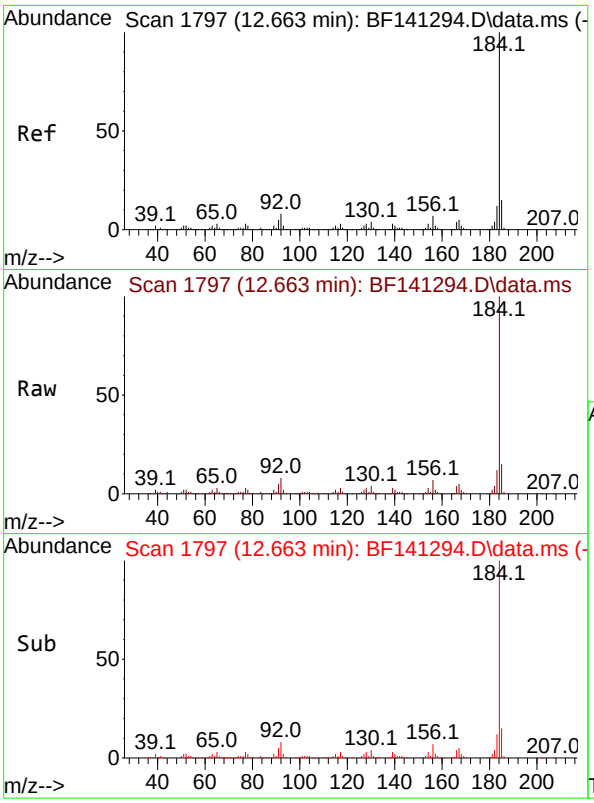


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:240 Resp: 260600

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.6	19.7	29.5



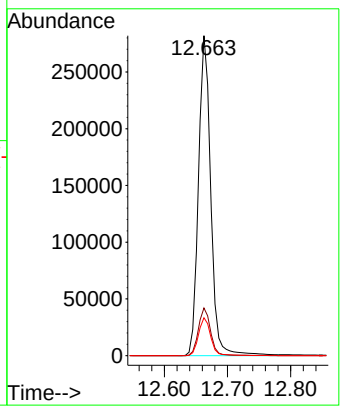


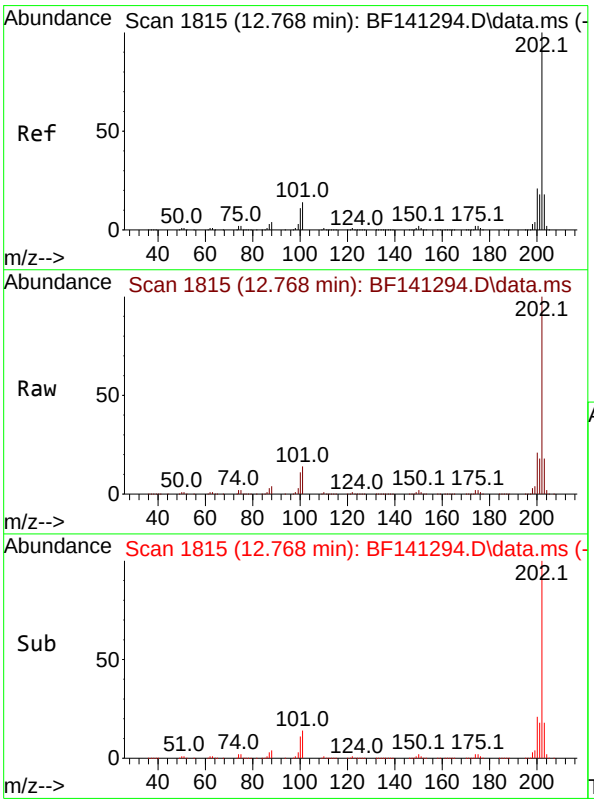
#77
Benzidine
Concen: 48.034 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 380623

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3

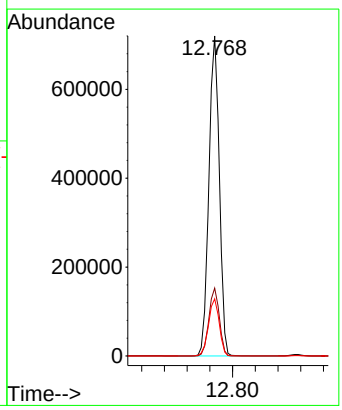


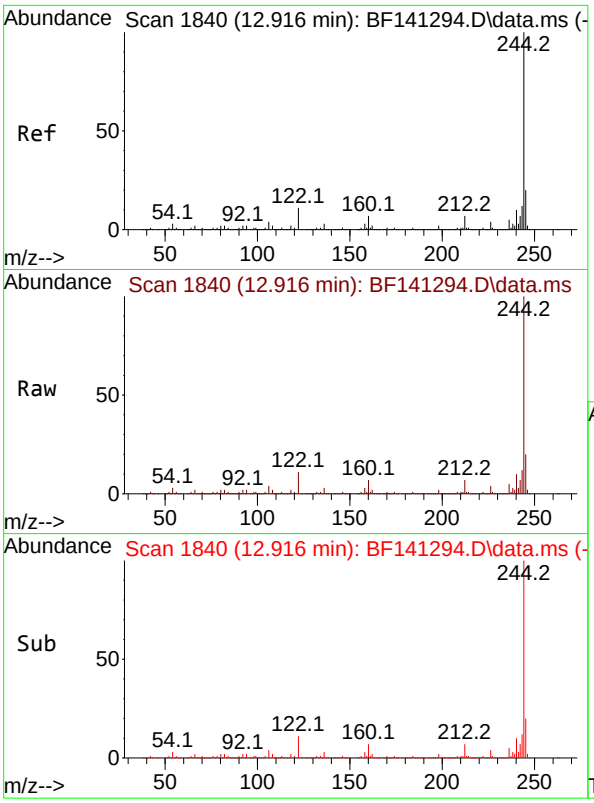


#78
Pyrene
Concen: 36.333 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:202 Resp: 914205

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.9	14.3	21.5



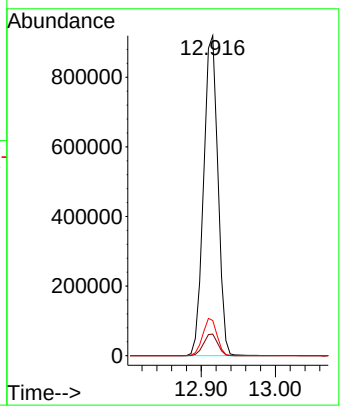


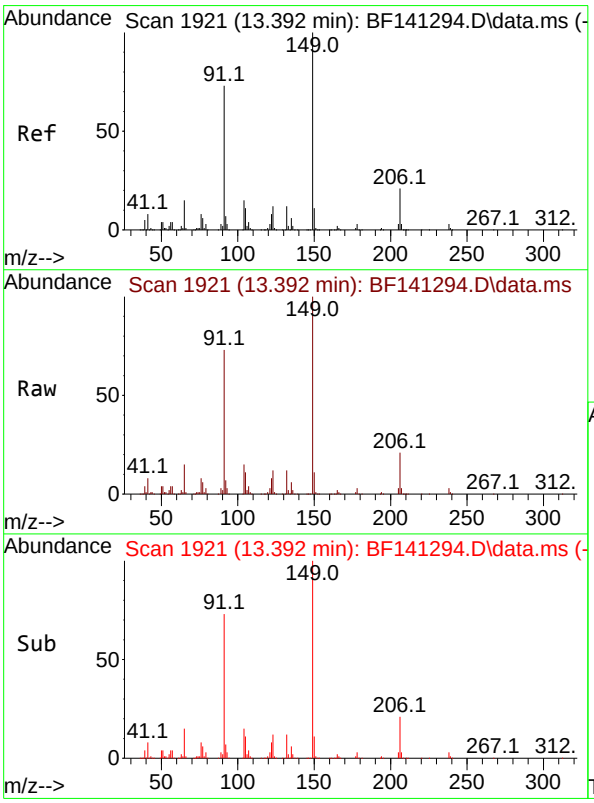
#79
Terphenyl-d14
Concen: 72.802 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1232977

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	8.8	13.2

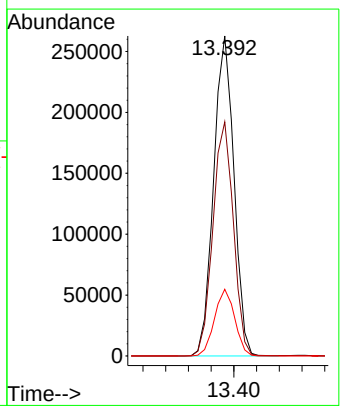


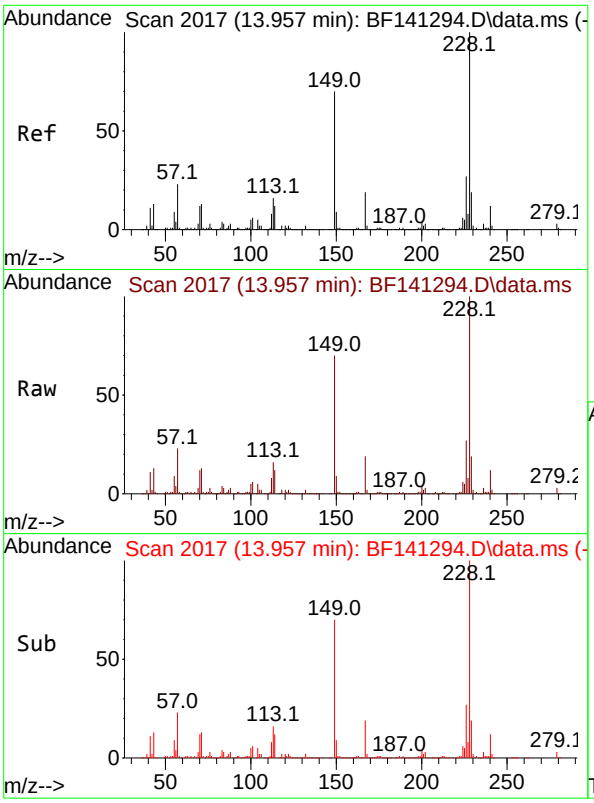


#80
Butylbenzylphthalate
Concen: 37.532 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 326158

Ion	Ratio	Lower	Upper
149	100		
91	73.2	58.6	87.8
206	20.9	16.7	25.1



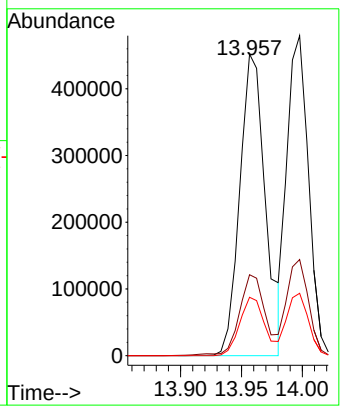


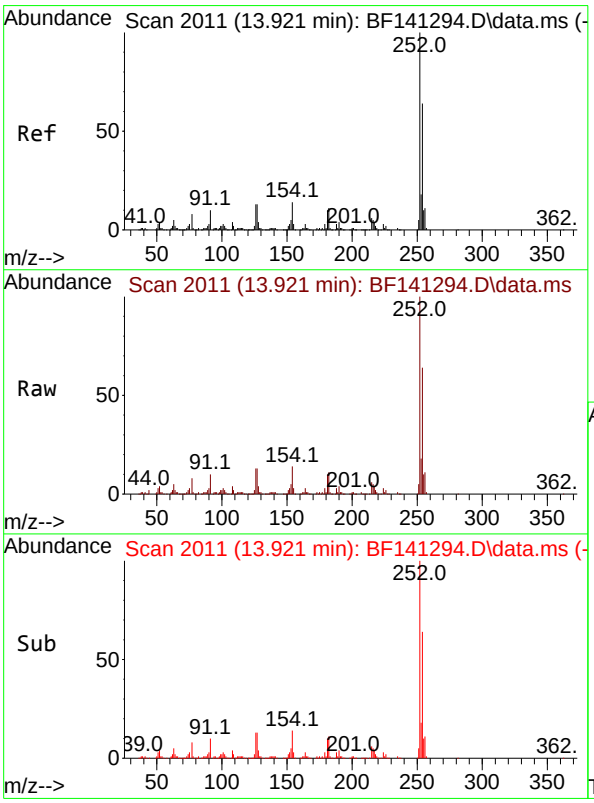
#81
Benzo(a)anthracene
Concen: 37.062 ng
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 661997

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.4	15.5	23.3

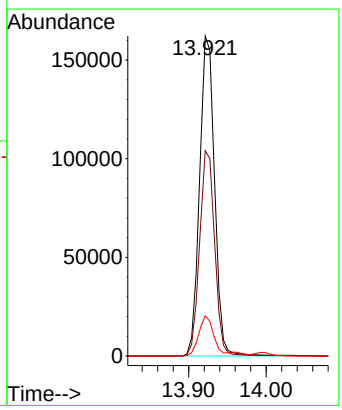


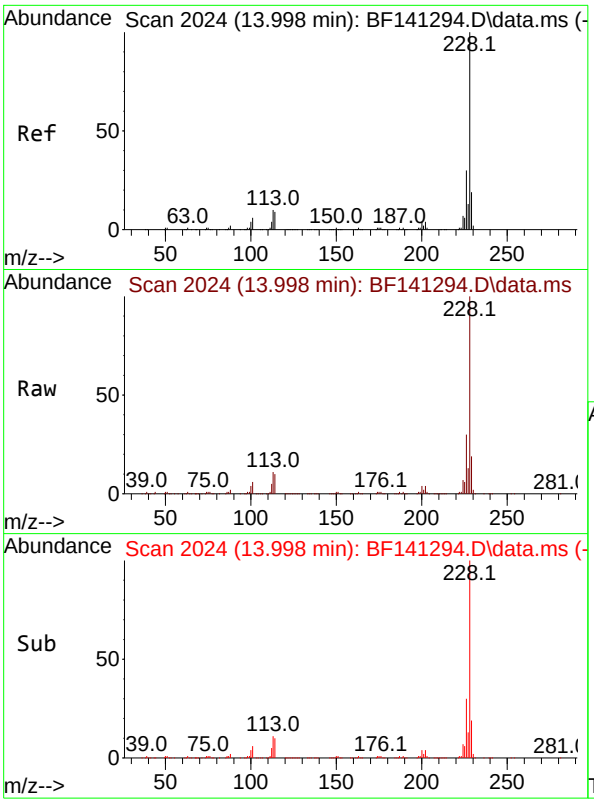


#82
3,3'-Dichlorobenzidine
Concen: 38.953 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 217856

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.3	76.9
126	12.5	10.0	15.0



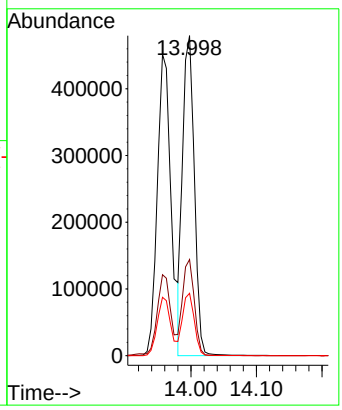


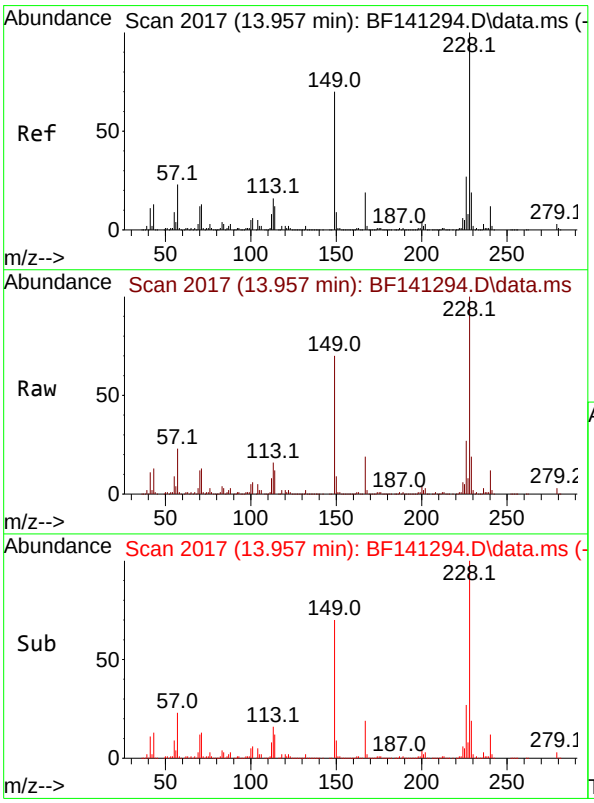
#83
Chrysene
Concen: 35.738 ng
RT: 13.998 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 591939

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.6	23.4

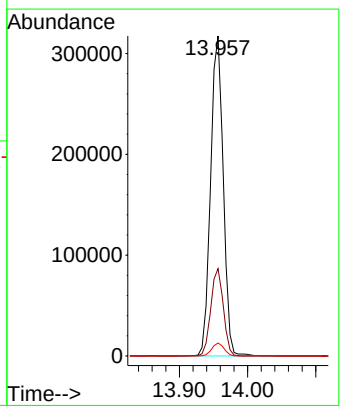


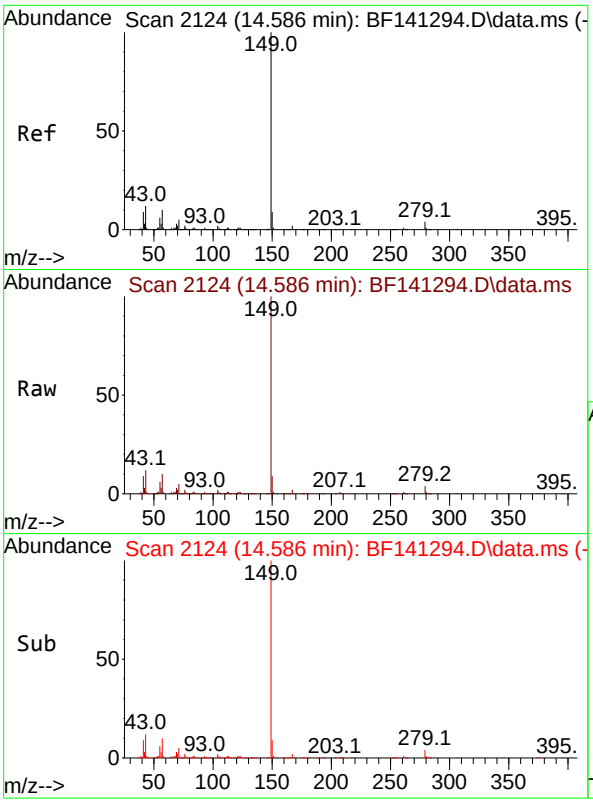


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.540 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:149 Resp: 409365

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.8	32.8
279	4.1	3.3	4.9



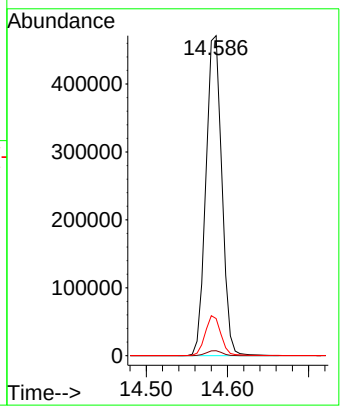


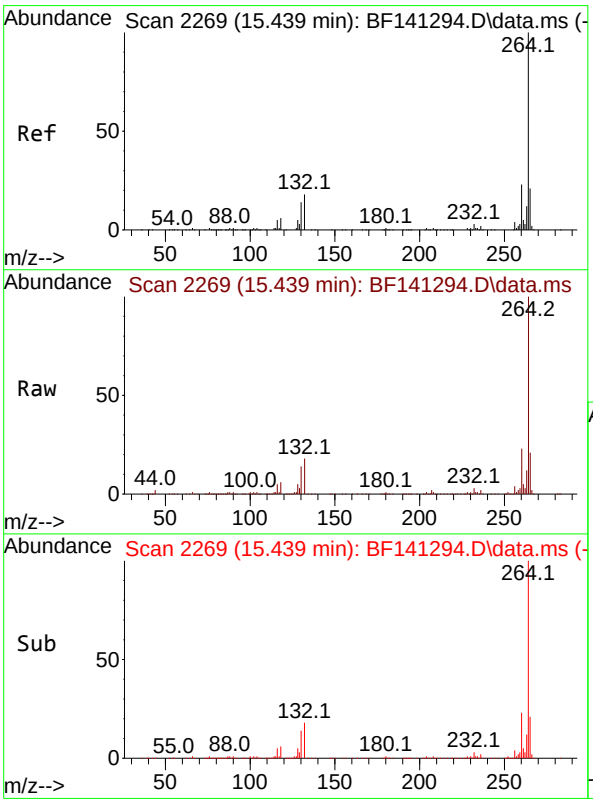
#85
Di-n-octyl phthalate
Concen: 37.578 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 640977

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	9.8	14.8

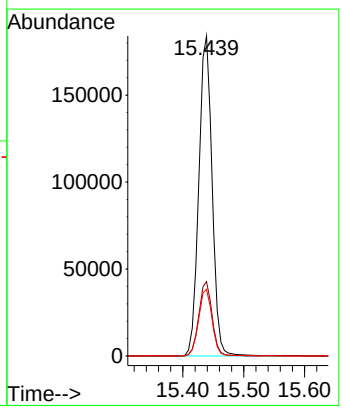


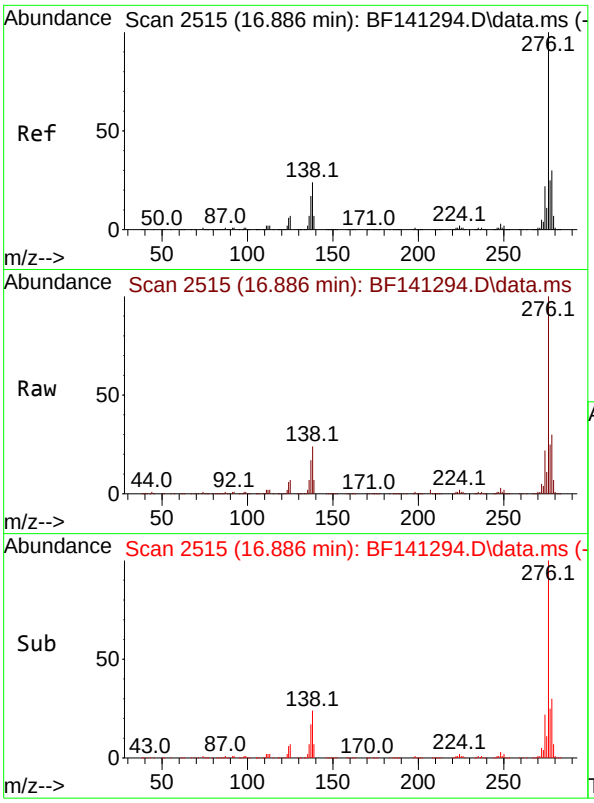


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:264 Resp: 279417

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	20.9	16.7	25.1



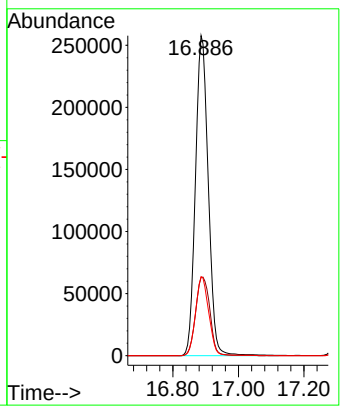


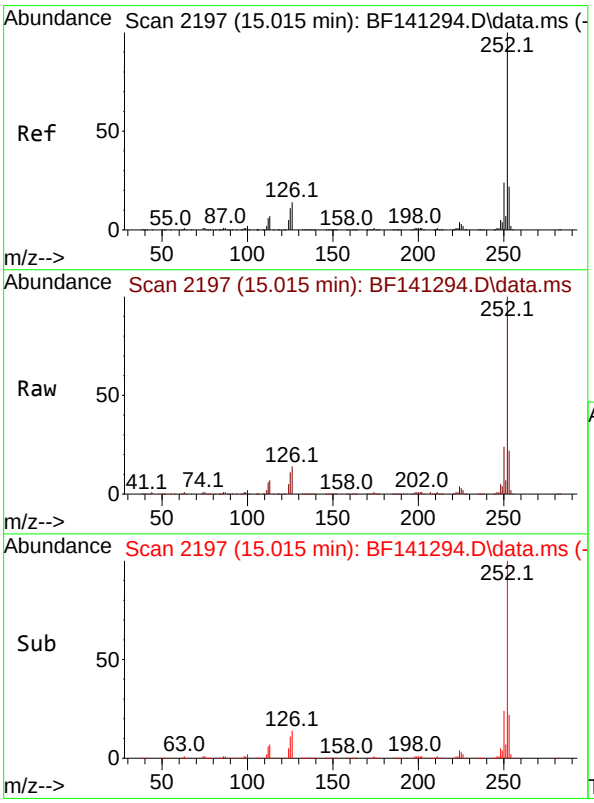
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.503 ng
RT: 16.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 702692

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.4	20.3	30.5

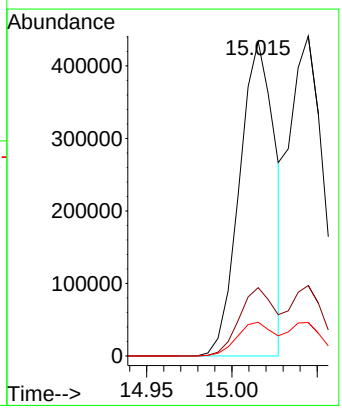


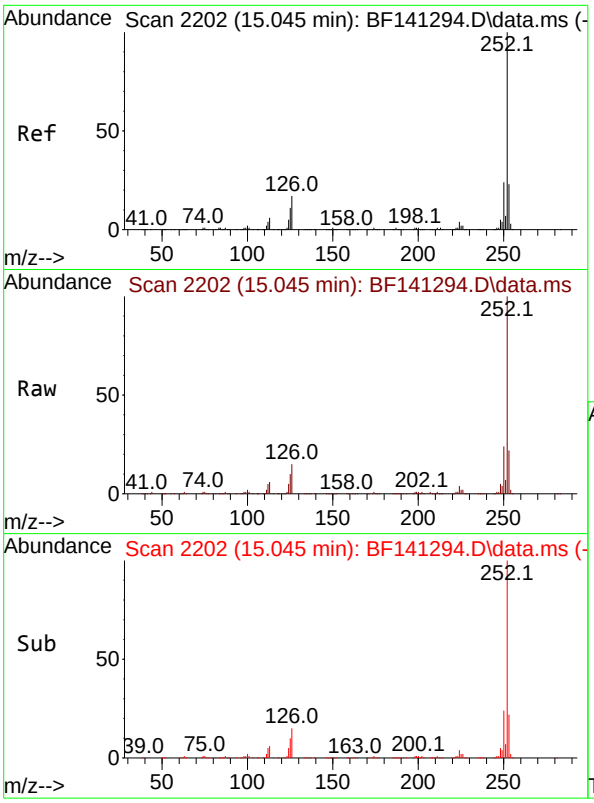


#88
Benzo(b)fluoranthene
Concen: 36.061 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 625758

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.7	8.6	12.8



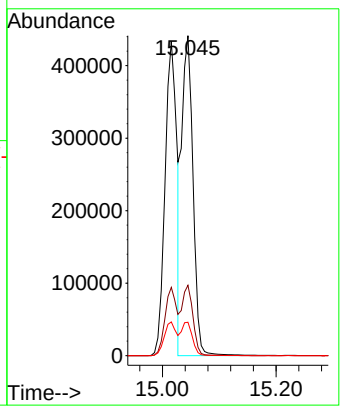


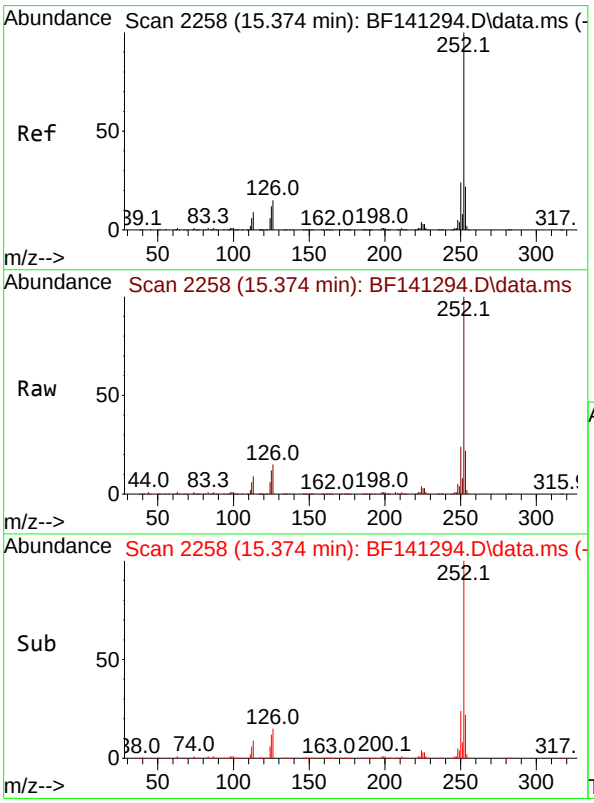
#89
Benzo(k)fluoranthene
Concen: 38.959 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 605401

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.5	8.4	12.6

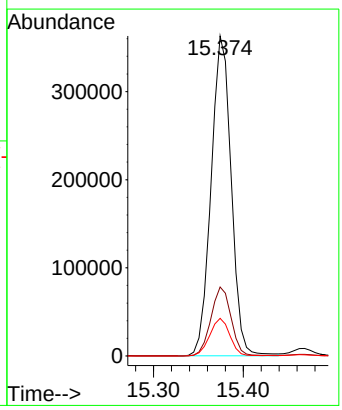


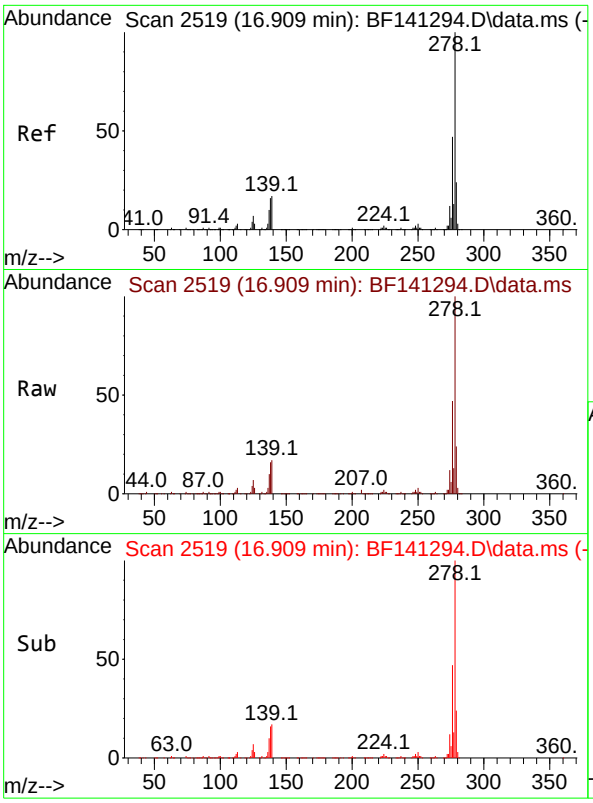


#90
Benzo(a)pyrene
Concen: 38.096 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:252 Resp: 564975

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.8	9.4	14.2



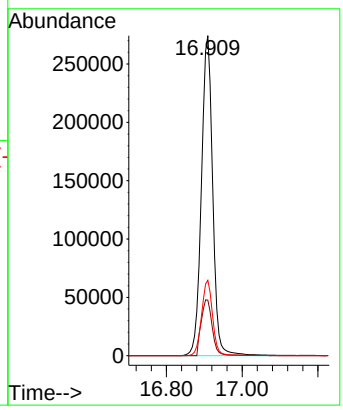


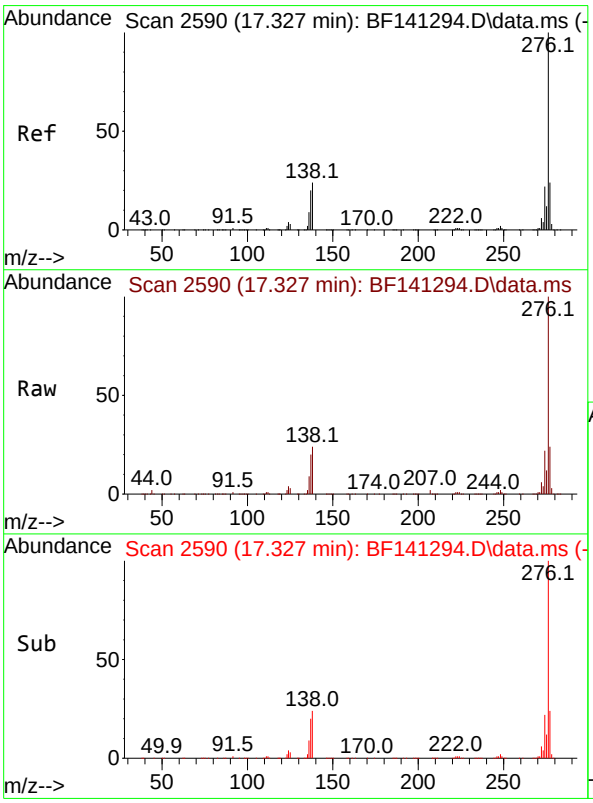
#91
Dibenzo(a,h)anthracene
Concen: 38.812 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 567762

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.9	20.9
279	23.5	18.8	28.2

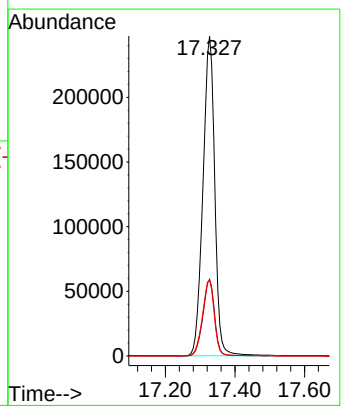




#92
Benzo(g,h,i)perylene
Concen: 37.870 ng
RT: 17.327 min Scan# 2590
Delta R.T. 0.000 min
Lab File: BF141294.D
Acq: 29 Jan 2025 15:45

Tgt Ion:276 Resp: 582768

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.7	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	130633	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	511843	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	269662	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	442506	20.000	ng		0.00
76) Chrysene-d12	13.968	240	226571	20.000	ng		0.00
86) Perylene-d12	15.439	264	272084	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	827672	97.984	ng		0.00
7) Phenol-d6	6.428	99	1052381	97.751	ng		0.00
23) Nitrobenzene-d5	7.369	82	955368	98.761	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	235884	95.997	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1620825	92.721	ng		0.00
79) Terphenyl-d14	12.916	244	1402103	95.222	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	187460	49.995	ng		98
3) Pyridine	3.222	79	455306	50.773	ng		100
4) n-Nitrosodimethylamine	3.181	42	262086	51.033	ng		100
6) Aniline	6.463	93	458390	50.942	ng		97
8) 2-Chlorophenol	6.587	128	441862	48.707	ng		98
9) Benzaldehyde	6.351	77	281326	44.996	ng		98
10) Phenol	6.445	94	553844	48.628	ng		95
11) bis(2-Chloroethyl)ether	6.539	93	424248	48.433	ng		98
12) 1,3-Dichlorobenzene	6.739	146	489386	48.913	ng		100
13) 1,4-Dichlorobenzene	6.816	146	490392	48.671	ng		99
14) 1,2-Dichlorobenzene	6.975	146	454569	48.279	ng		99
15) Benzyl Alcohol	6.939	79	371274	50.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	749938	49.280	ng		99
17) 2-Methylphenol	7.051	107	361469	49.214	ng		99
18) Hexachloroethane	7.310	117	182933	49.073	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	305749	47.753	ng		98
20) 3+4-Methylphenols	7.210	107	434743	48.143	ng		94
22) Acetophenone	7.210	105	574700	47.365	ng	#	97
24) Nitrobenzene	7.386	77	492082	49.046	ng		98
25) Isophorone	7.622	82	818496	48.959	ng		99
26) 2-Nitrophenol	7.698	139	242228	51.545	ng		99
27) 2,4-Dimethylphenol	7.734	122	300079m	49.969	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	518825	48.701	ng		99
29) 2,4-Dichlorophenol	7.939	162	363275	49.507	ng		100
30) 1,2,4-Trichlorobenzene	8.022	180	406562	48.309	ng		100
31) Naphthalene	8.104	128	1304758	48.468	ng		100
32) Benzoic acid	7.857	122	308525	56.571	ng		99
33) 4-Chloroaniline	8.151	127	449543	49.712	ng		100
34) Hexachlorobutadiene	8.222	225	243308	49.395	ng		99
35) Caprolactam	8.528	113	120078	50.594	ng		97
36) 4-Chloro-3-methylphenol	8.633	107	385683	48.973	ng		98
37) 2-Methylnaphthalene	8.792	142	822986	48.006	ng		99
38) 1-Methylnaphthalene	8.892	142	799136	47.586	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	373963	48.774	ng		100
41) Hexachlorocyclopentadiene	8.945	237	122470	53.227	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	252974	50.545	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	263745	48.438	ng	98
46) 1,1'-Biphenyl	9.263	154	1005774	47.808	ng	99
47) 2-Chloronaphthalene	9.286	162	781613	47.835	ng	99
48) 2-Nitroaniline	9.380	65	257199	49.907	ng	98
49) Acenaphthylene	9.698	152	1092234	47.595	ng	100
50) Dimethylphthalate	9.563	163	875569	48.419	ng	100
51) 2,6-Dinitrotoluene	9.622	165	204917	48.697	ng	98
52) Acenaphthene	9.875	154	789039	48.322	ng	100
53) 3-Nitroaniline	9.792	138	197832	47.528	ng	99
54) 2,4-Dinitrophenol	9.898	184	105313	53.096	ng	96
55) Dibenzofuran	10.045	168	1028182	47.082	ng	100
56) 4-Nitrophenol	9.951	139	155594	52.067	ng	99
57) 2,4-Dinitrotoluene	10.027	165	264325	48.700	ng	97
58) Fluorene	10.386	166	784644	46.215	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	205508	47.772	ng	98
60) Diethylphthalate	10.263	149	834803	47.668	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	380948	45.976	ng	99
62) 4-Nitroaniline	10.404	138	198241	49.579	ng	98
63) Azobenzene	10.539	77	841797	47.955	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	144574	54.710	ng	97
66) n-Nitrosodiphenylamine	10.498	169	688202	47.968	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	241123	48.745	ng	99
68) Hexachlorobenzene	10.933	284	253174	48.250	ng	100
69) Atrazine	11.027	200	237991	49.457	ng	98
70) Pentachlorophenol	11.127	266	161568	52.515	ng	99
71) Phenanthrene	11.351	178	1114920	46.903	ng	99
72) Anthracene	11.404	178	1105681	47.686	ng	100
73) Carbazole	11.557	167	971542	47.304	ng	99
74) Di-n-butylphthalate	11.892	149	1162607	46.961	ng	100
75) Fluoranthene	12.539	202	1065514	45.923	ng	100
77) Benzidine	12.663	184	513358	74.515	ng	99
78) Pyrene	12.768	202	1059044	48.410	ng	99
80) Butylbenzylphthalate	13.392	149	371889	49.222	ng	99
81) Benzo(a)anthracene	13.963	228	778922	50.158	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	270572	55.645	ng	99
83) Chrysene	13.998	228	717569	49.829	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	470441	49.620	ng	99
85) Di-n-octyl phthalate	14.586	149	773037	52.127	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	916714	51.584	ng	100
88) Benzo(b)fluoranthene	15.015	252	860351	50.916	ng	100
89) Benzo(k)fluoranthene	15.045	252	713500	47.153	ng	99
90) Benzo(a)pyrene	15.380	252	721834	49.985	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	739397	51.907	ng	100
92) Benzo(g,h,i)perylene	17.333	276	764064	50.990	ng	99

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

ICAL Form

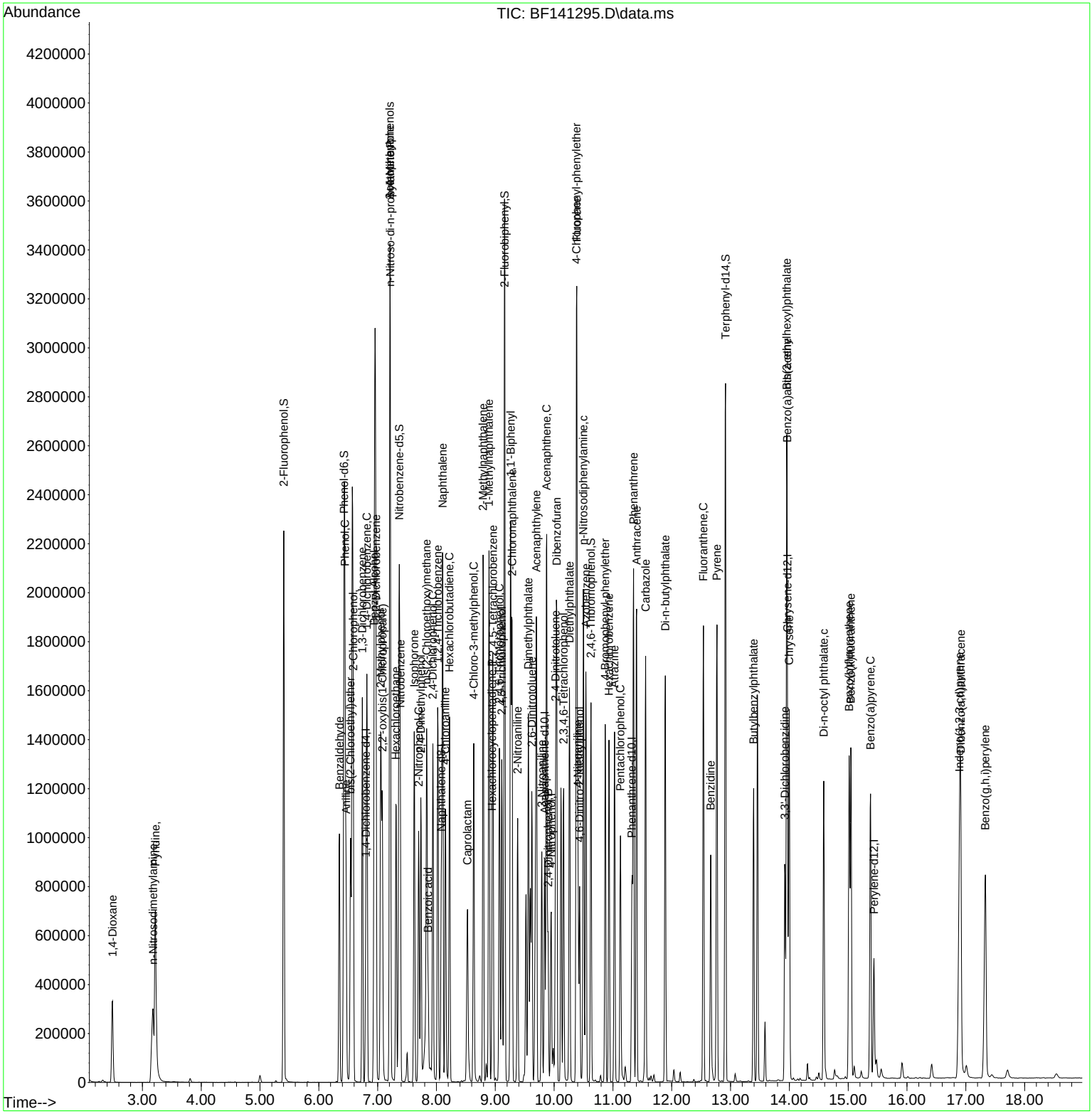
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141295.D
Acq On : 29 Jan 2025 16:11
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

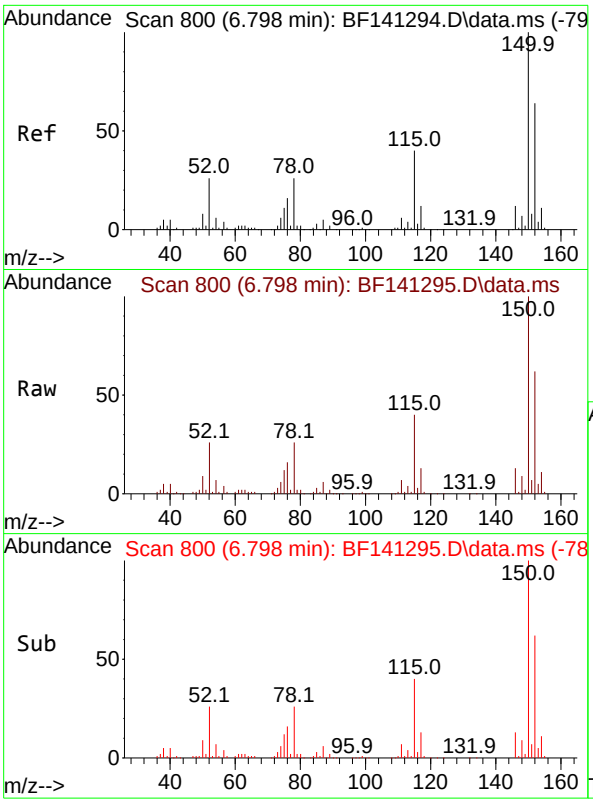
Quant Time: Jan 29 17:01:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 16:24:35 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

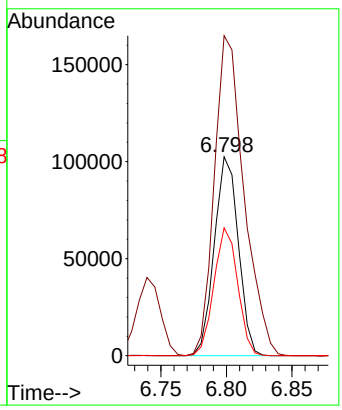




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 13063

Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	64.3	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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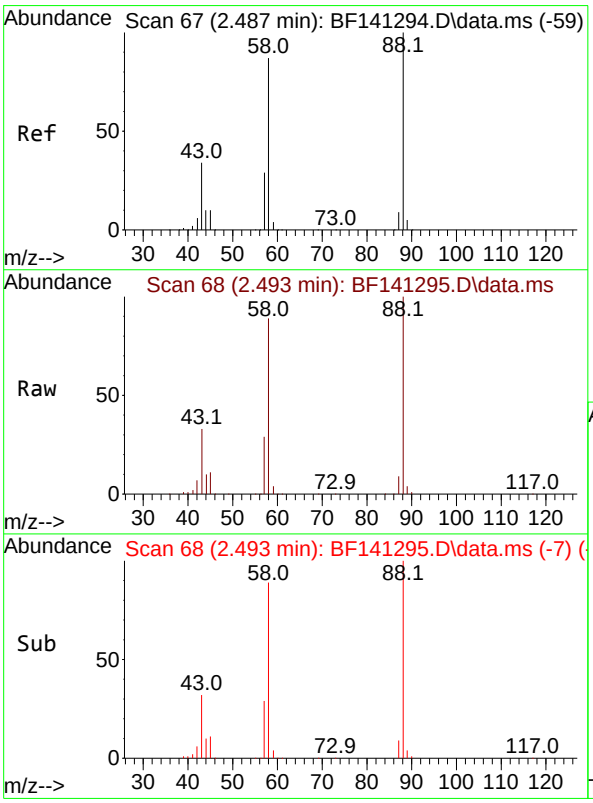
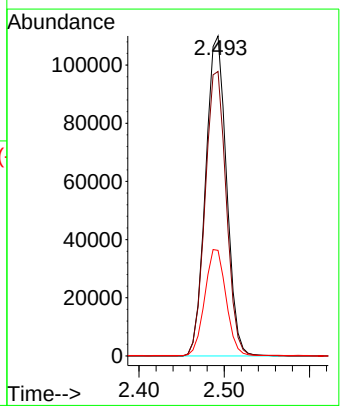
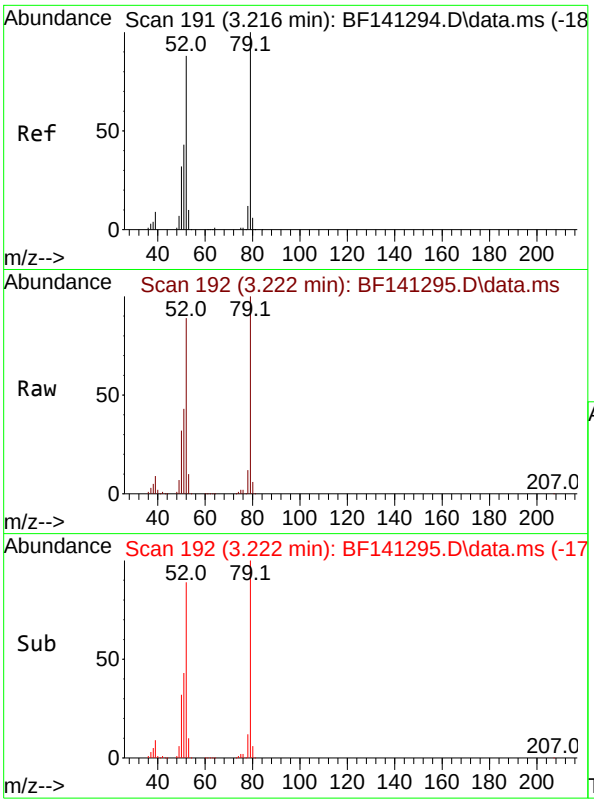


#2
1,4-Dioxane
Concen: 49.995 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 88 Resp: 187460

Ion	Ratio	Lower	Upper
88	100		
58	89.8	70.2	105.4
43	33.5	27.6	41.4

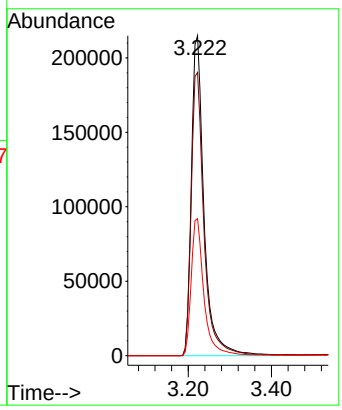




#3
Pyridine
Concen: 50.773 ng
RT: 3.222 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 45530

Ion	Ratio	Lower	Upper
79	100		
52	88.5	70.3	105.5
51	42.8	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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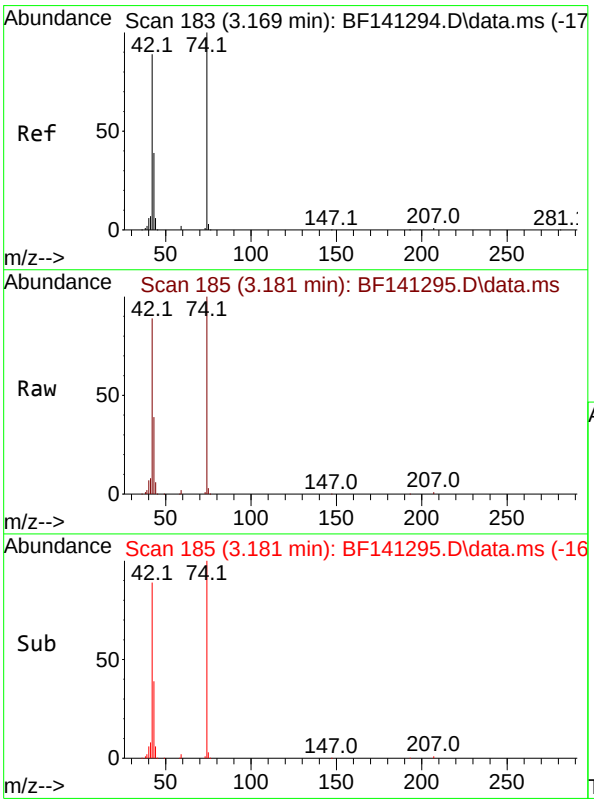
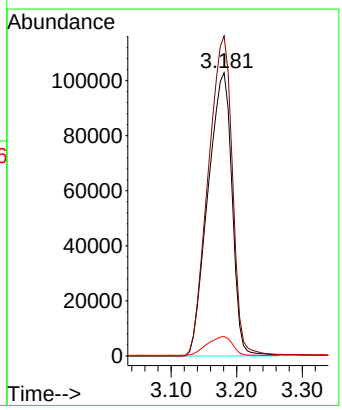
Supervised By :mohammad ahmed 02/04/2025

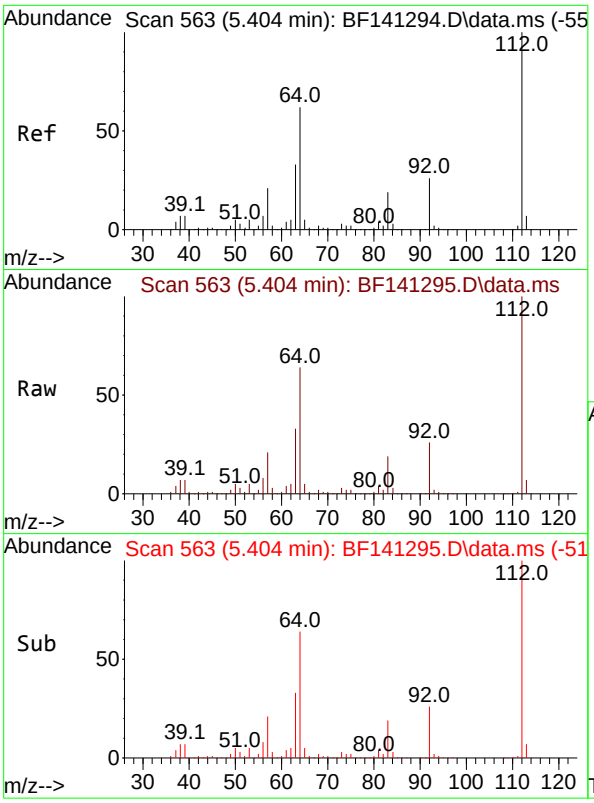


#4
n-Nitrosodimethylamine
Concen: 51.033 ng
RT: 3.181 min Scan# 185
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 42 Resp: 262086

Ion	Ratio	Lower	Upper
42	100		
74	113.0	90.3	135.5
44	6.8	5.7	8.5

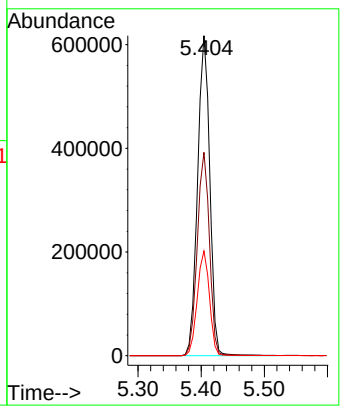




#5
2-Fluorophenol
Concen: 97.984 ng
RT: 5.404 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:112 Resp: 82767

Ion	Ratio	Lower	Upper
112	100		
64	63.5	49.8	74.8
63	32.7	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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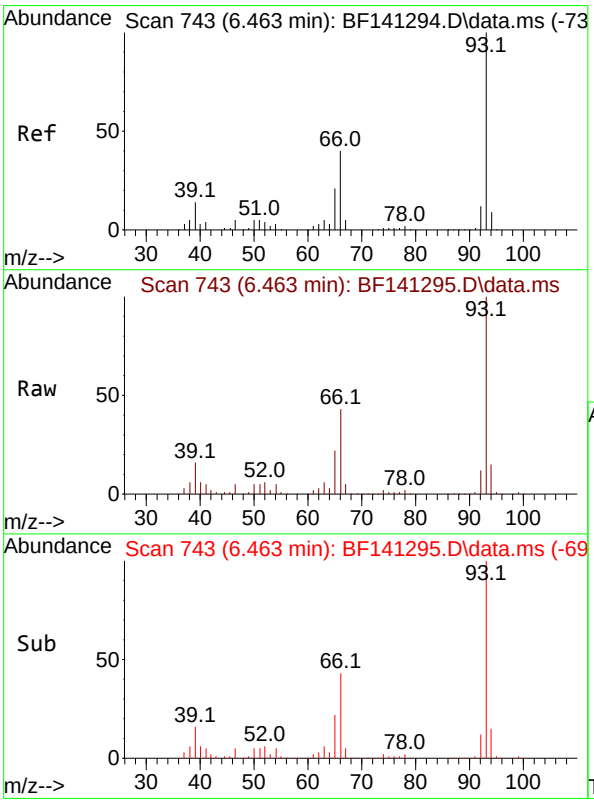
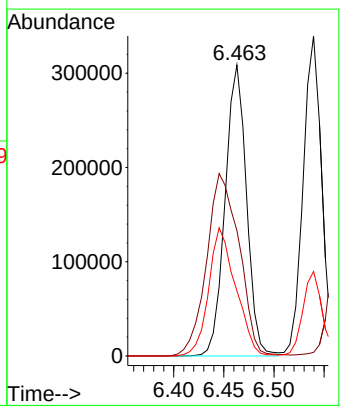
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

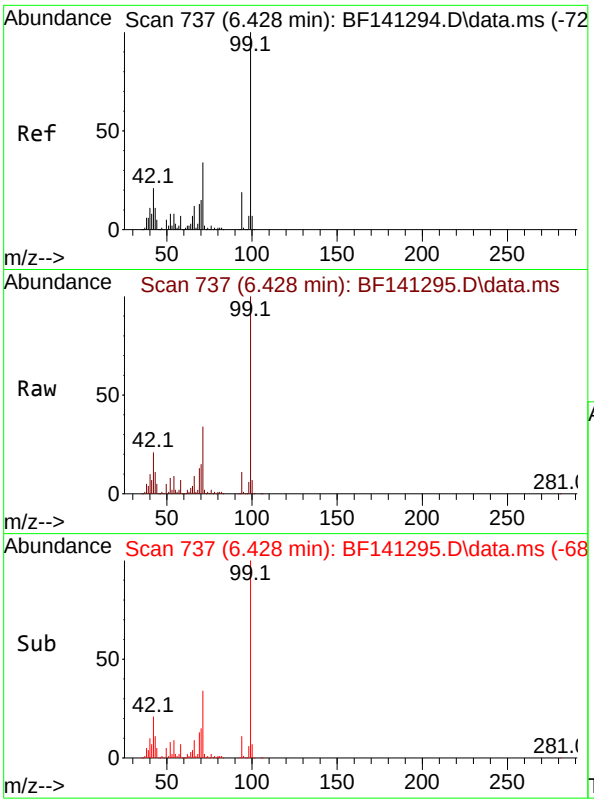


#6
Aniline
Concen: 50.942 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 458390

Ion	Ratio	Lower	Upper
93	100		
66	43.2	32.5	48.7
65	22.4	17.0	25.6

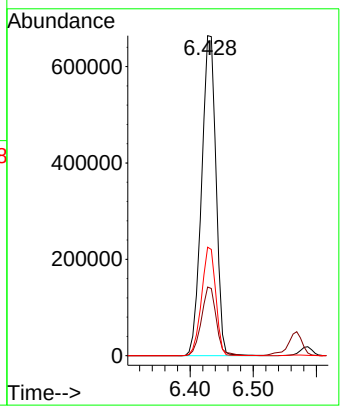




#7
Phenol-d6
Concen: 97.751 ng
RT: 6.428 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 99 Resp: 105238

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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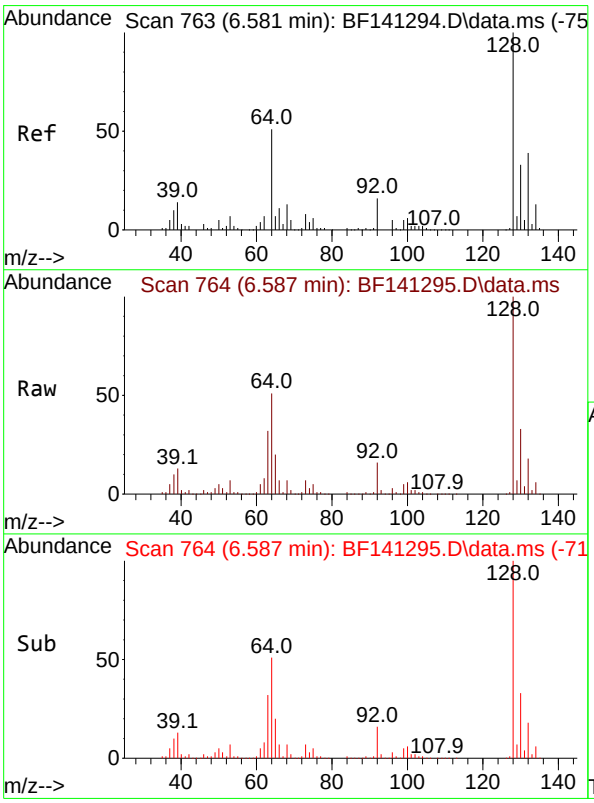
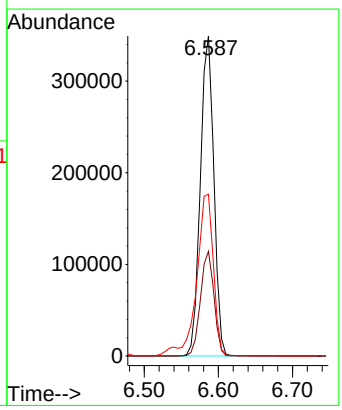
Supervised By :mohammad ahmed 02/04/2025

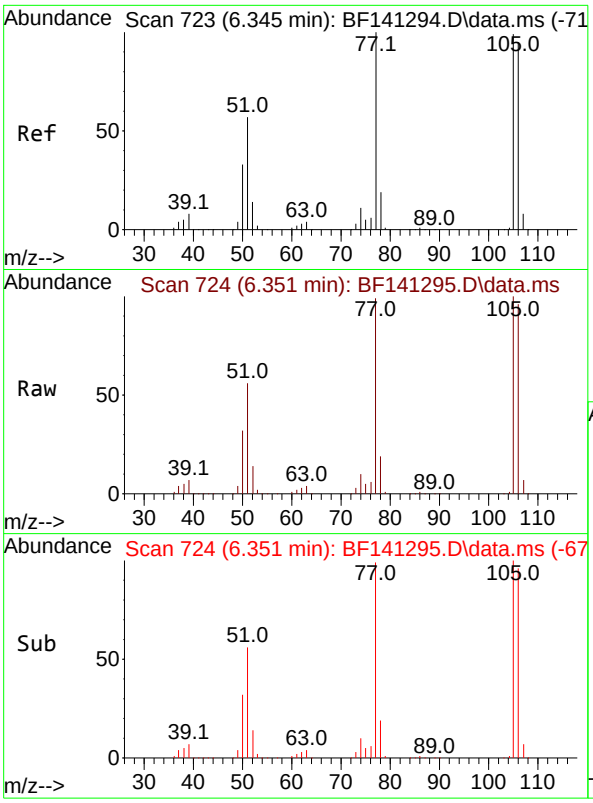


#8
2-Chlorophenol
Concen: 48.707 ng
RT: 6.587 min Scan# 764
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 441862

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	50.5	32.9	72.9

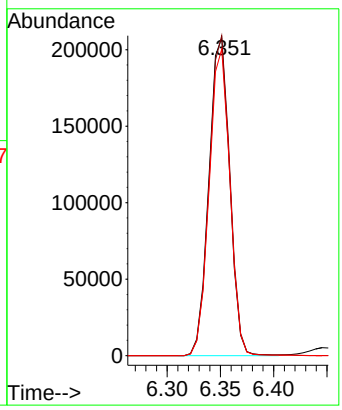




#9
Benzaldehyde
Concen: 44.996 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 28132

Ion	Ratio	Lower	Upper
77	100		
105	100.8	79.4	119.4
106	96.5	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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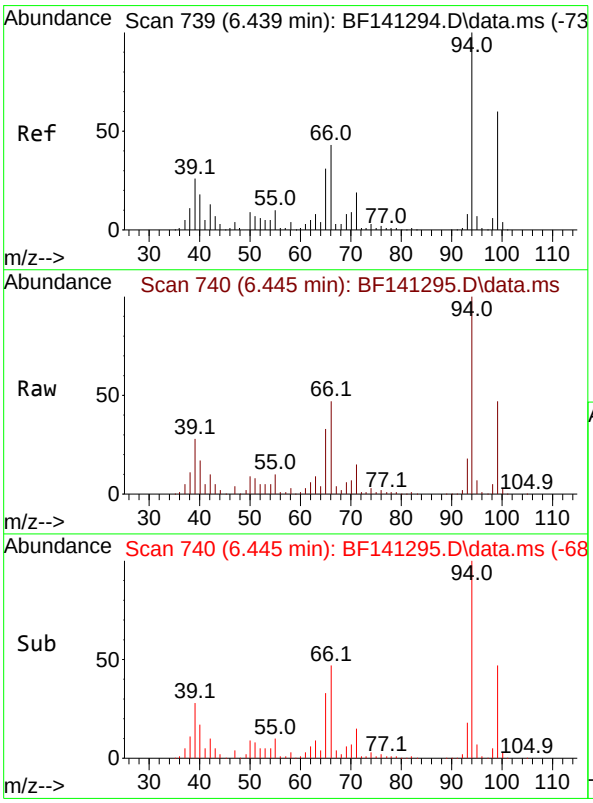
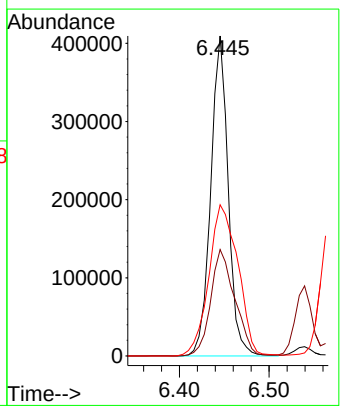
Supervised By :mohammad ahmed 02/04/2025

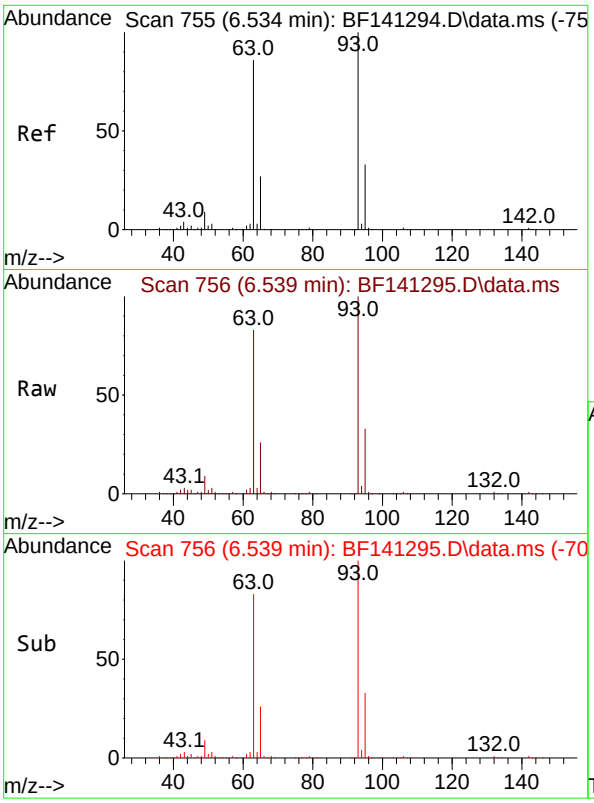


#10
Phenol
Concen: 48.628 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 94 Resp: 553844

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	47.3	23.3	63.3

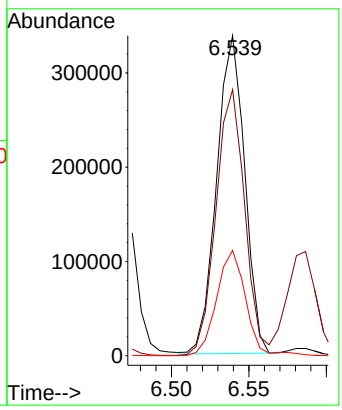




#11
bis(2-Chloroethyl)ether
Concen: 48.433 ng
RT: 6.539 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 42424

Ion	Ratio	Lower	Upper
93	100		
63	83.2	65.0	105.0
95	32.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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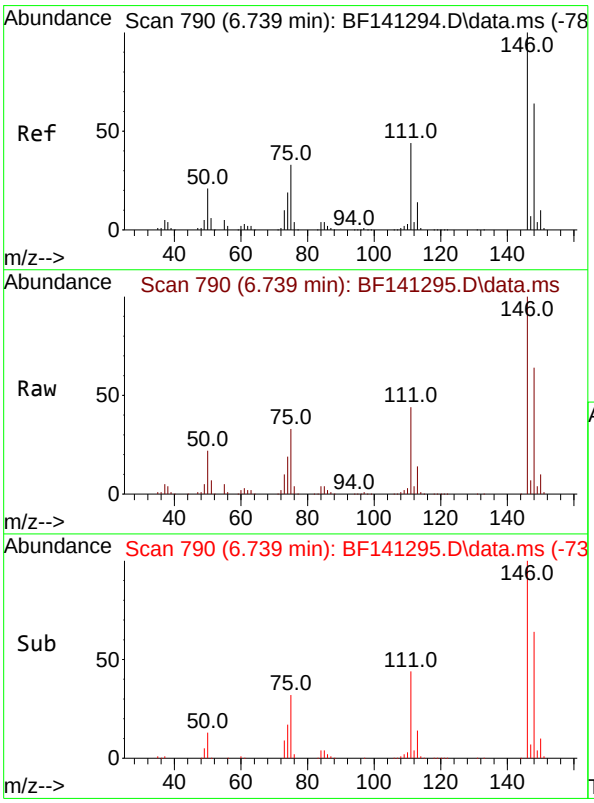
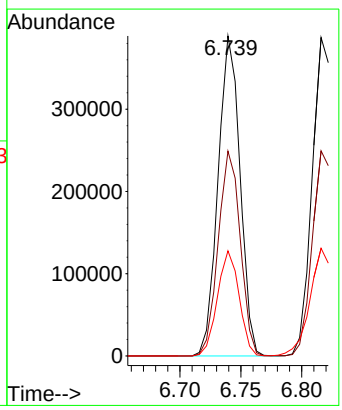
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

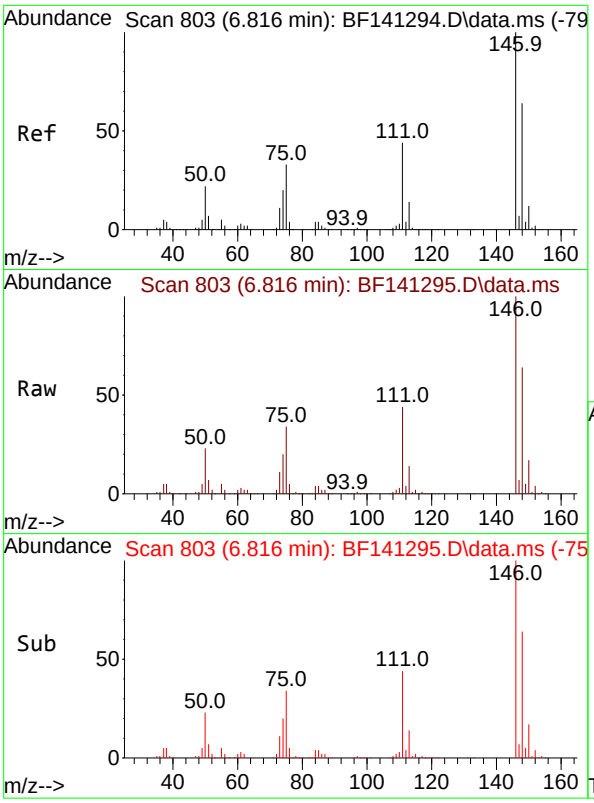


#12
1,3-Dichlorobenzene
Concen: 48.913 ng
RT: 6.739 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 489386

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.9	26.2	39.4

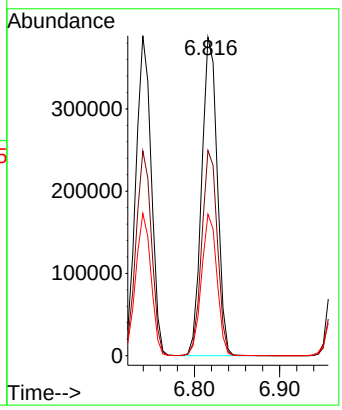




#13
1,4-Dichlorobenzene
Concen: 48.671 ng
RT: 6.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 49039

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
111	44.4	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/30/2025
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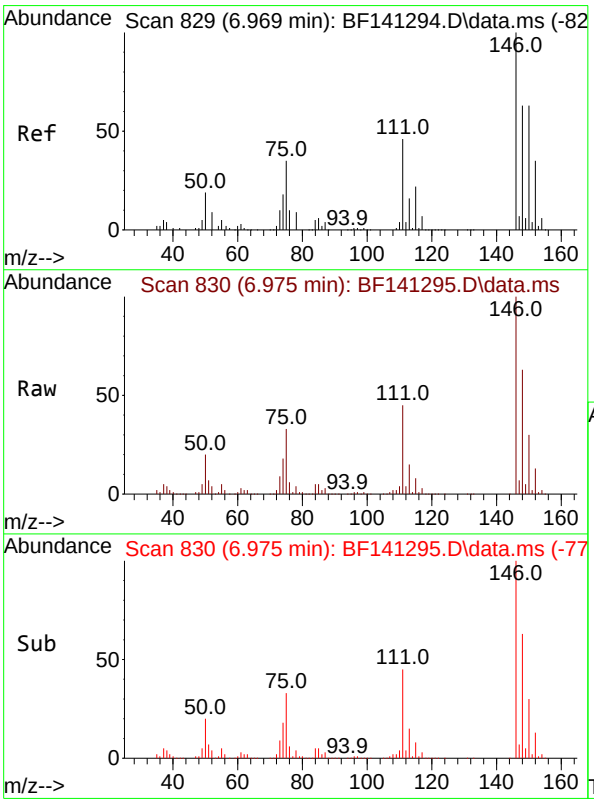
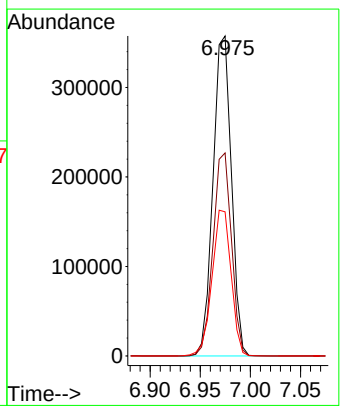
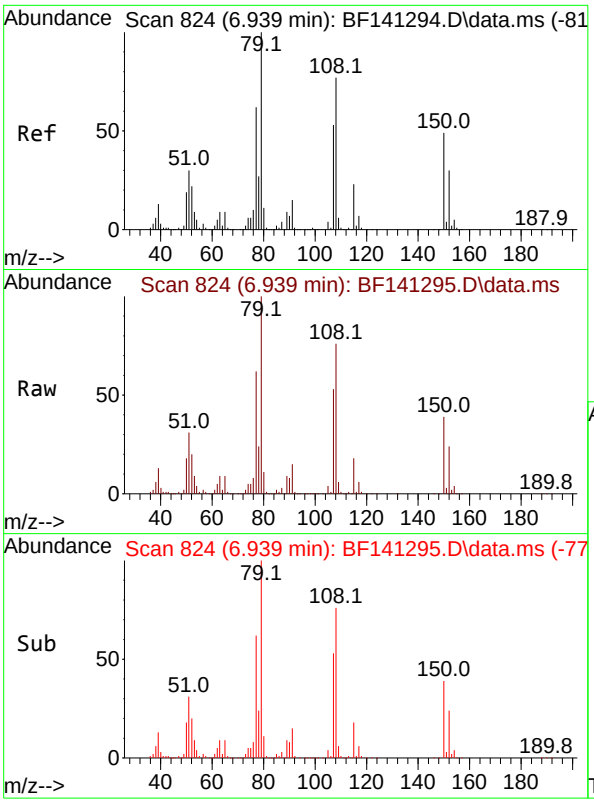


#14
1,2-Dichlorobenzene
Concen: 48.279 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:146 Resp: 454569

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.5	75.7
111	45.1	36.6	55.0

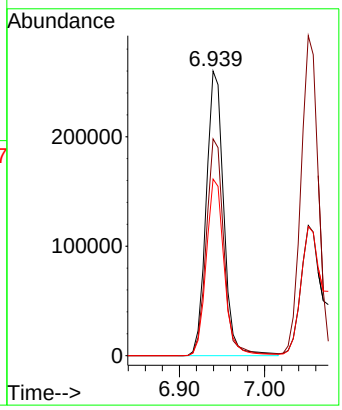




#15
Benzyl Alcohol
Concen: 50.480 ng
RT: 6.939 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 79 Resp: 37127

Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.4	92.0
77	62.1	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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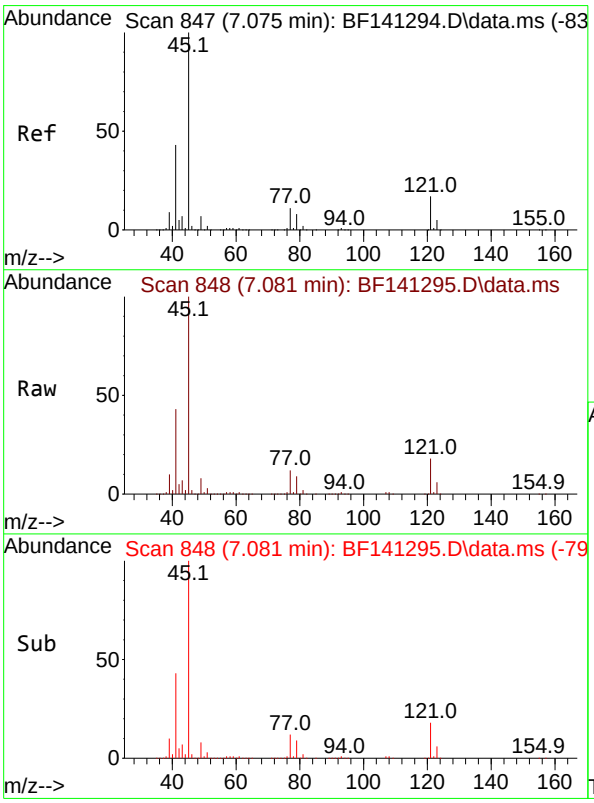
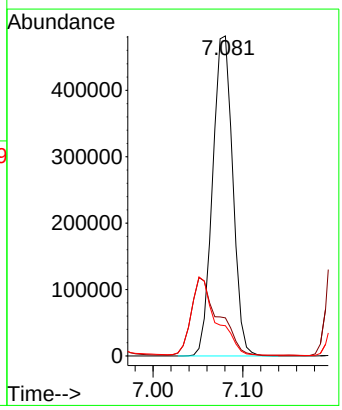
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

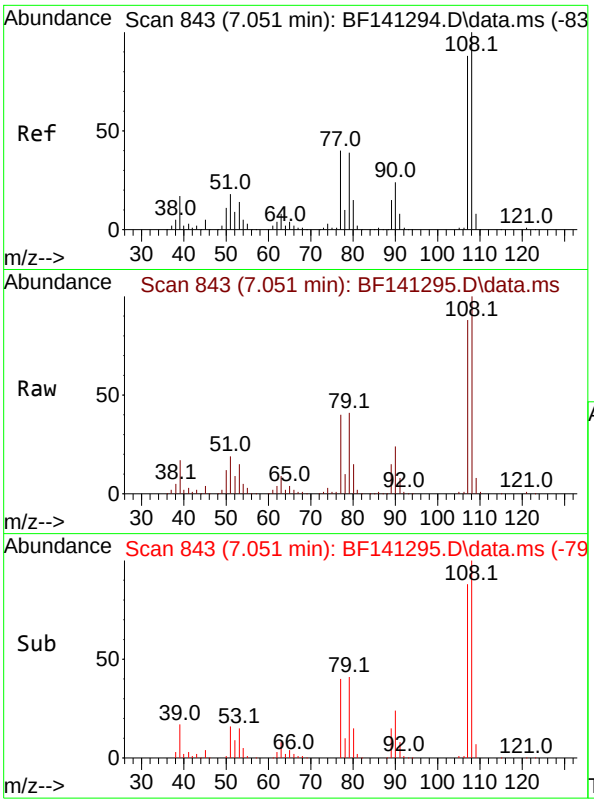


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.280 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 45 Resp: 749938

Ion	Ratio	Lower	Upper
45	100		
77	11.9	0.0	31.8
79	9.5	0.0	29.1

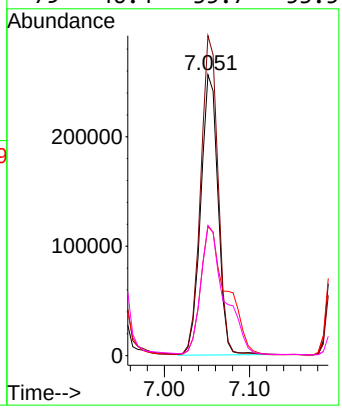




#17
2-Methylphenol
Concen: 49.214 ng
RT: 7.051 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 36146

Ion	Ratio	Lower	Upper
107	100		
108	113.9	90.8	136.2
77	46.0	36.2	54.4
79	46.4	35.7	53.5



Instrument :
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ClientSampleId :
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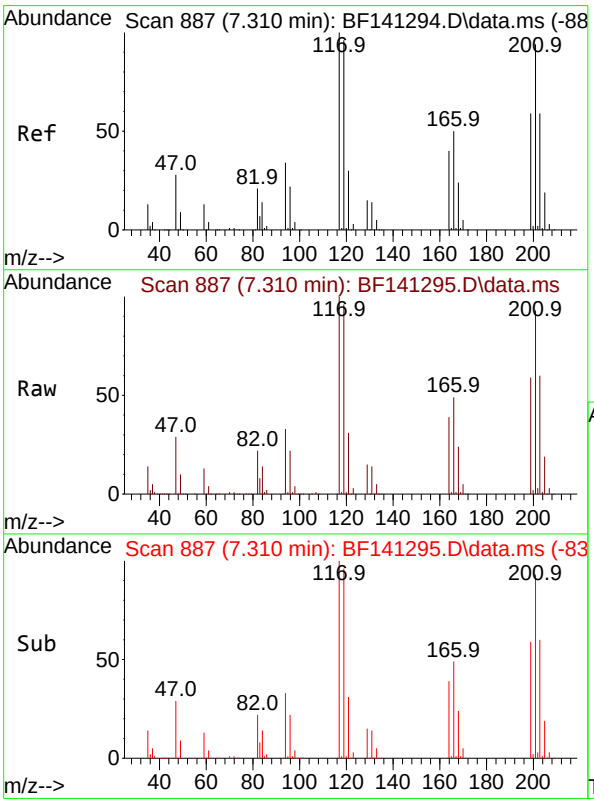
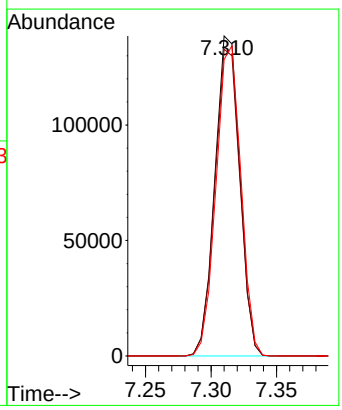
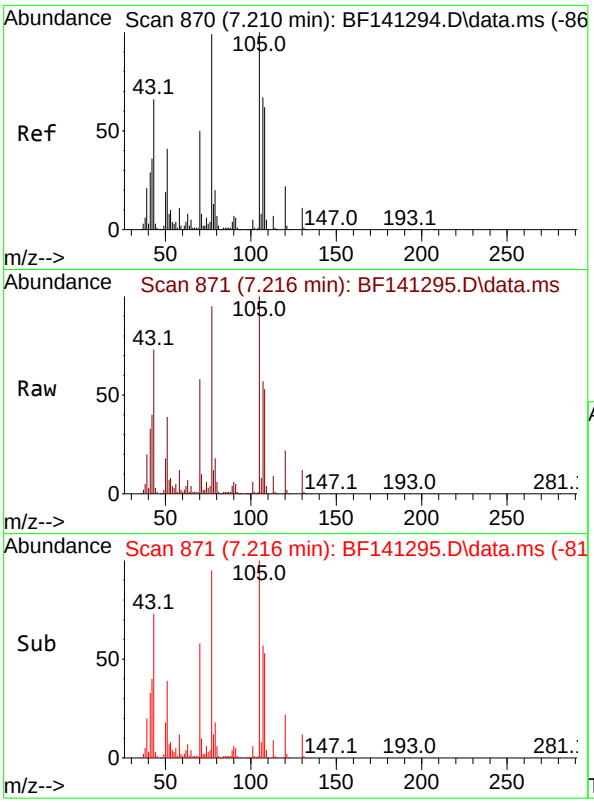


#18
Hexachloroethane
Concen: 49.073 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:117 Resp: 182933

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	114.8
201	92.7	74.8	112.2

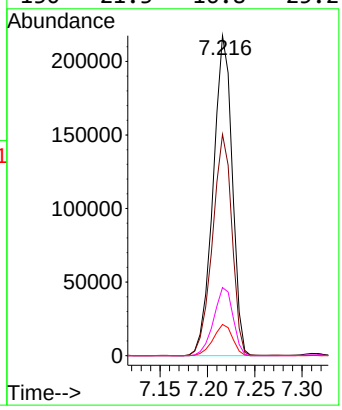




#19
n-Nitroso-di-n-propylamine
Concen: 47.753 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 70 Resp: 30574

Ion	Ratio	Lower	Upper
70	100		
42	69.2	56.8	85.2
101	9.7	7.7	11.5
130	21.3	16.8	25.2



Instrument :
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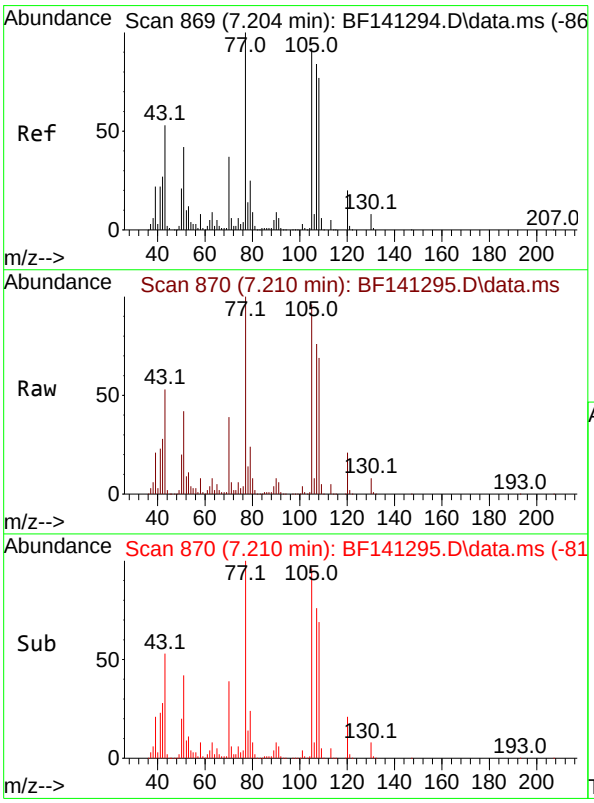
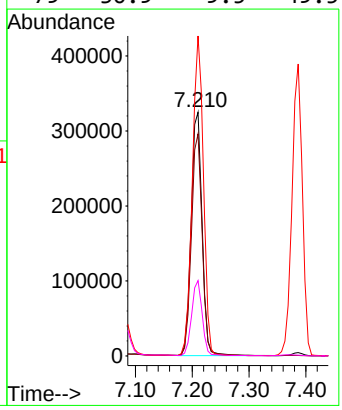
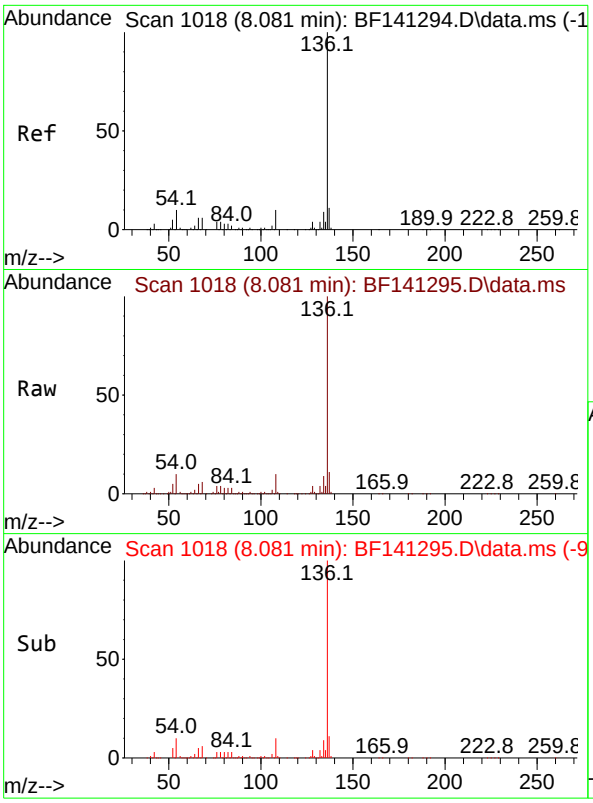


#20
3+4-Methylphenols
Concen: 48.143 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 434743

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.9	110.9
77	131.3	98.5	138.5
79	30.9	9.5	49.5

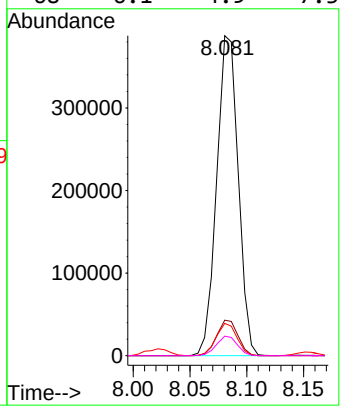




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:136 Resp: 51184

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.1	7.8	11.8
68	6.1	4.9	7.3



Instrument :
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ClientSampleId :
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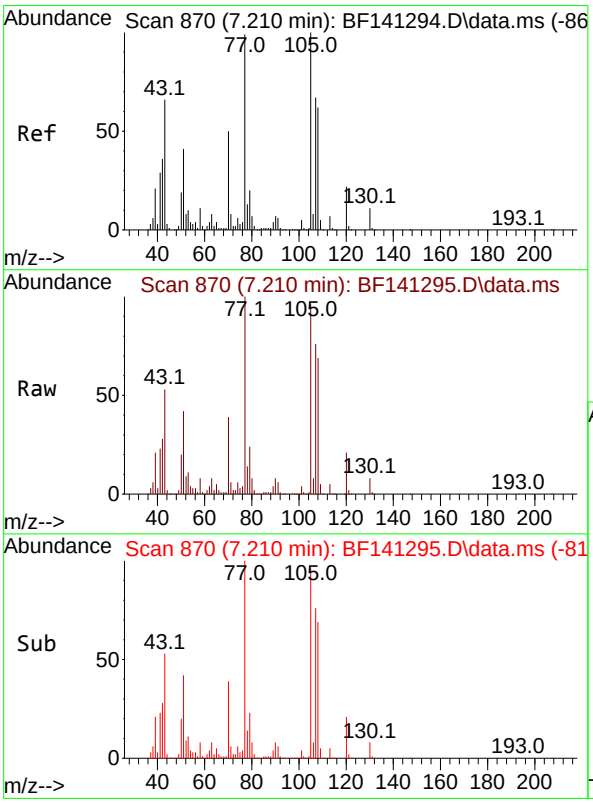
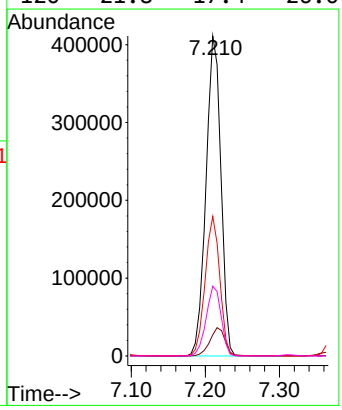
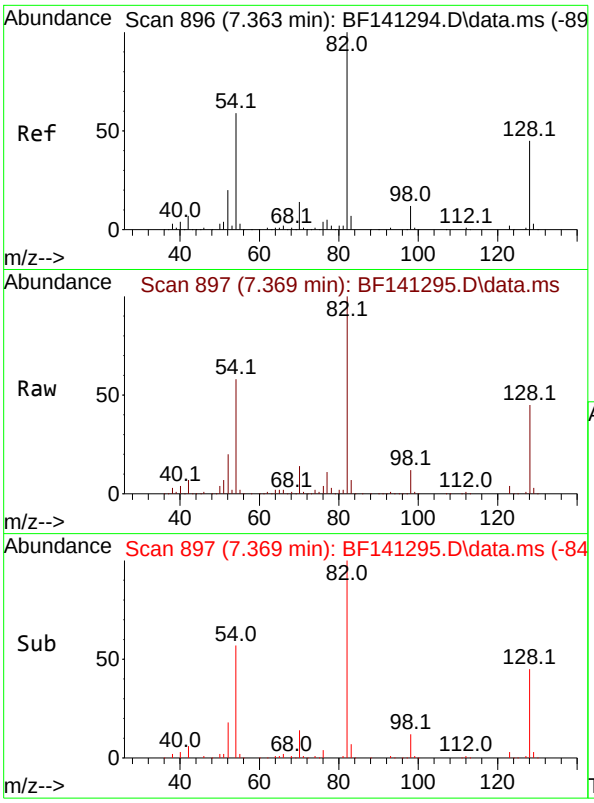


#22
Acetophenone
Concen: 47.365 ng
RT: 7.210 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:105 Resp: 574700

Ion	Ratio	Lower	Upper
105	100		
71	6.6	6.8	10.2#
51	43.6	32.6	49.0
120	21.8	17.4	26.0

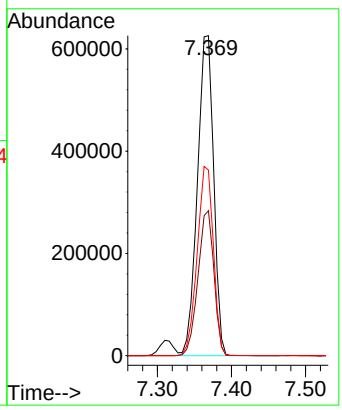




#23
Nitrobenzene-d5
Concen: 98.761 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 95536

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	58.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
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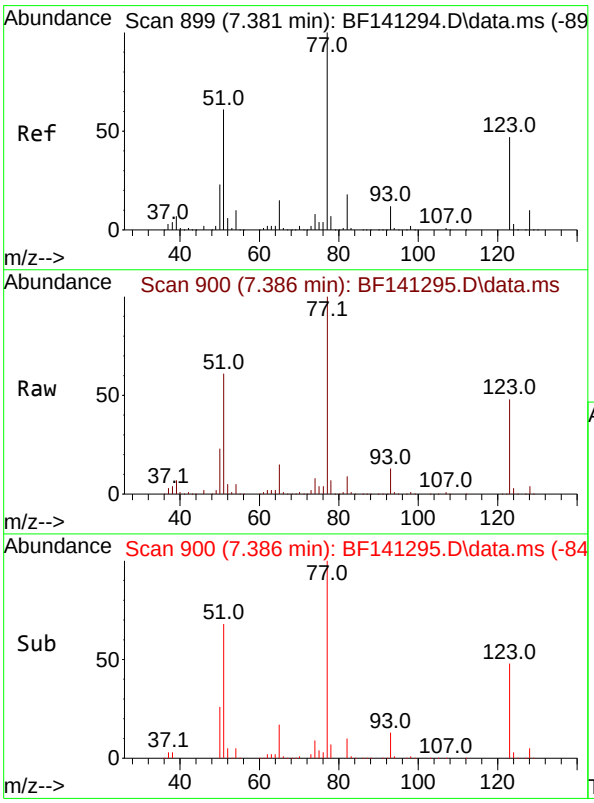
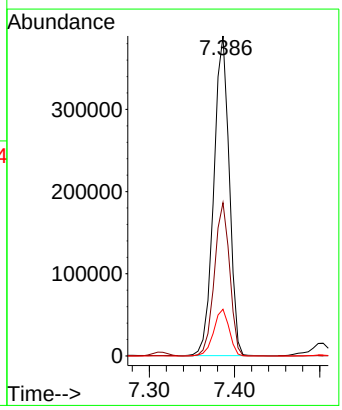
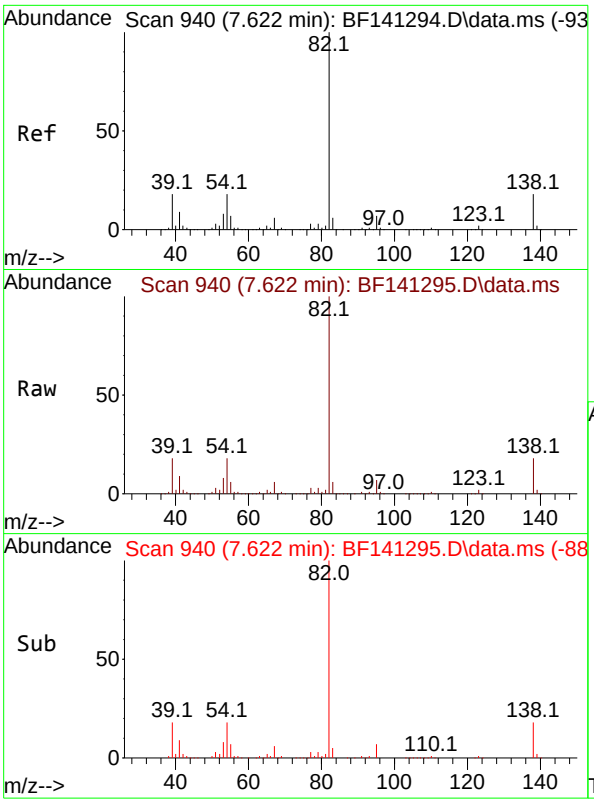


#24
Nitrobenzene
Concen: 49.046 ng
RT: 7.386 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 492082

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	14.6	11.8	17.6

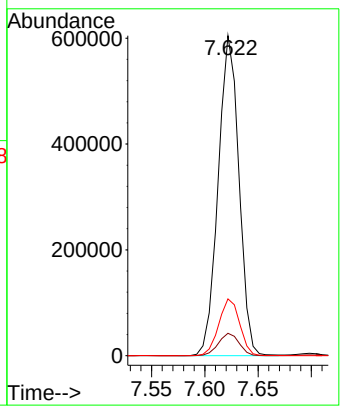




#25
Isophorone
Concen: 48.959 ng
RT: 7.622 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 82 Resp: 81849

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.6
138	17.7	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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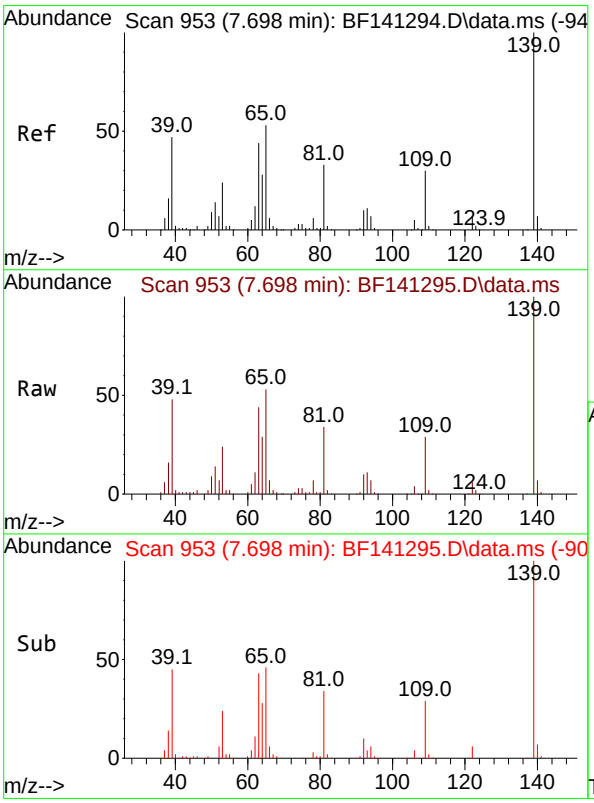
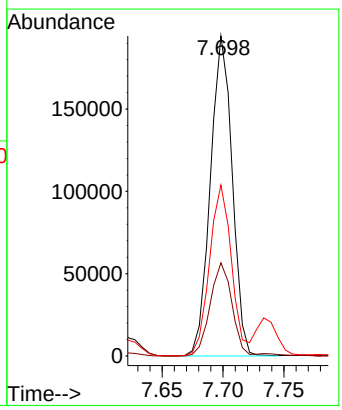
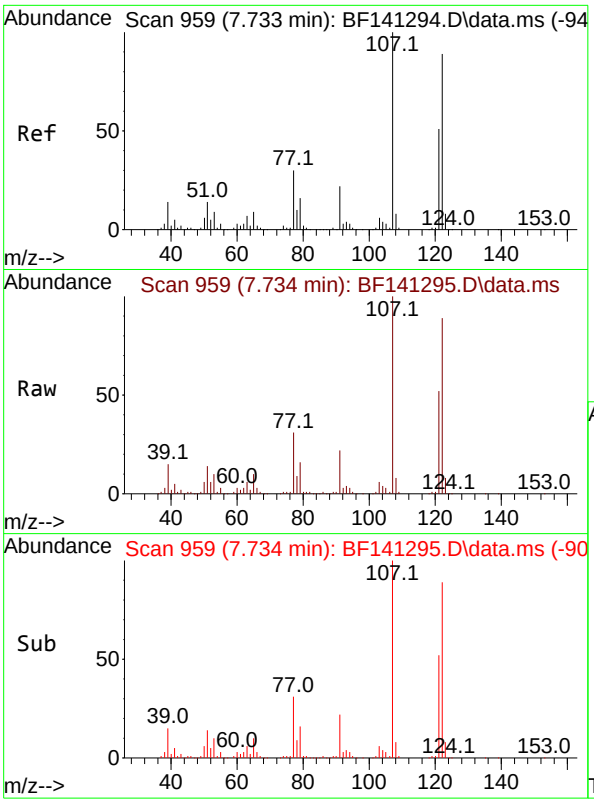


#26
2-Nitrophenol
Concen: 51.545 ng
RT: 7.698 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 242228

Ion	Ratio	Lower	Upper
139	100		
109	29.1	23.8	35.6
65	53.4	42.2	63.4

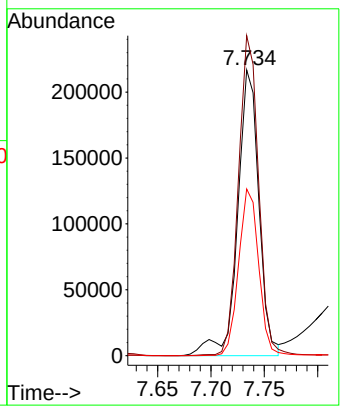




#27
2,4-Dimethylphenol
Concen: 49.969 ng m
RT: 7.734 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 30007

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1



Instrument :
BNA_F
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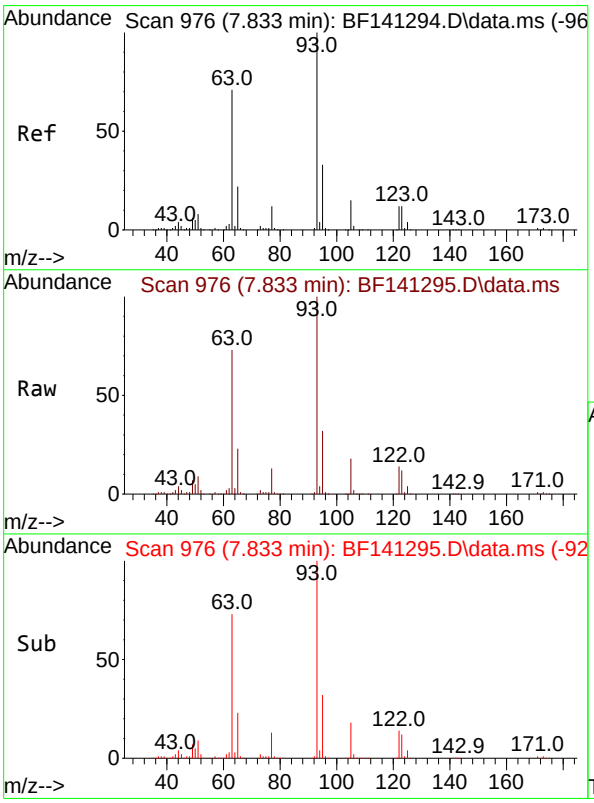
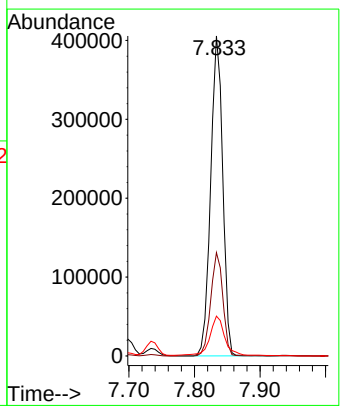
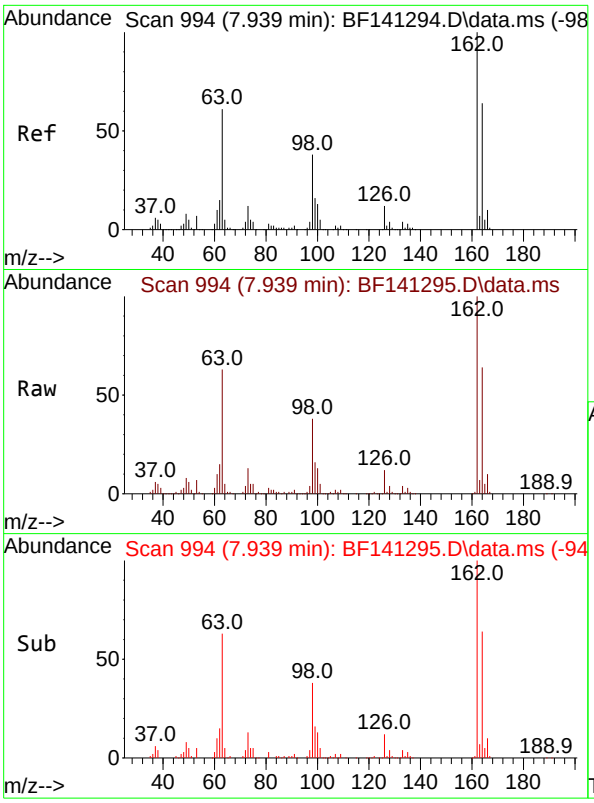


#28
bis(2-Chloroethoxy)methane
Concen: 48.701 ng
RT: 7.833 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 93 Resp: 518825

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.4	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 49.507 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 36327

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.4	18.2	58.2

Instrument :
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ClientSampleId :
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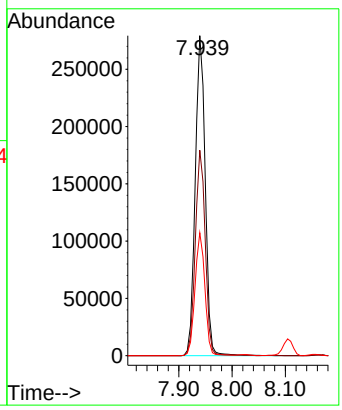
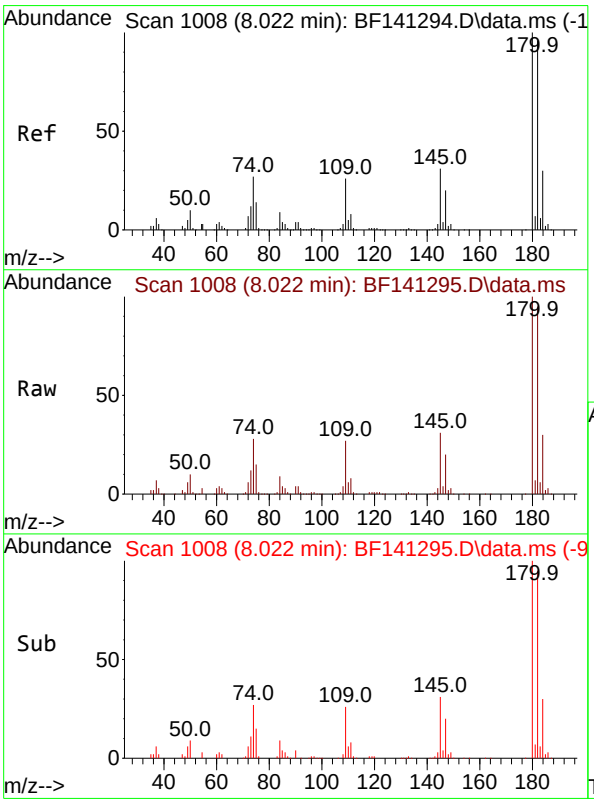
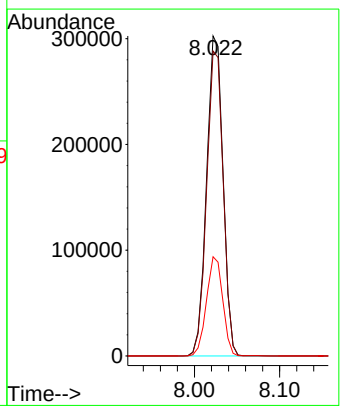


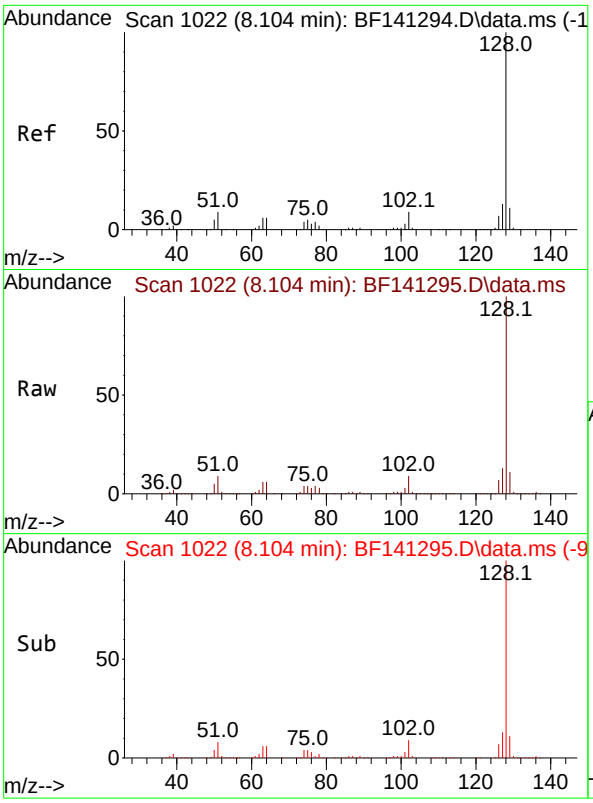


#30
1,2,4-Trichlorobenzene
Concen: 48.309 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:180 Resp: 406562

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	31.0	24.9	37.3

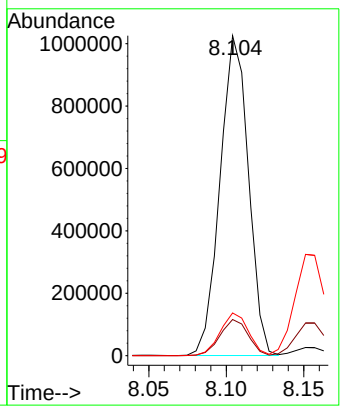




#31
Naphthalene
Concen: 48.468 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:128 Resp: 130475

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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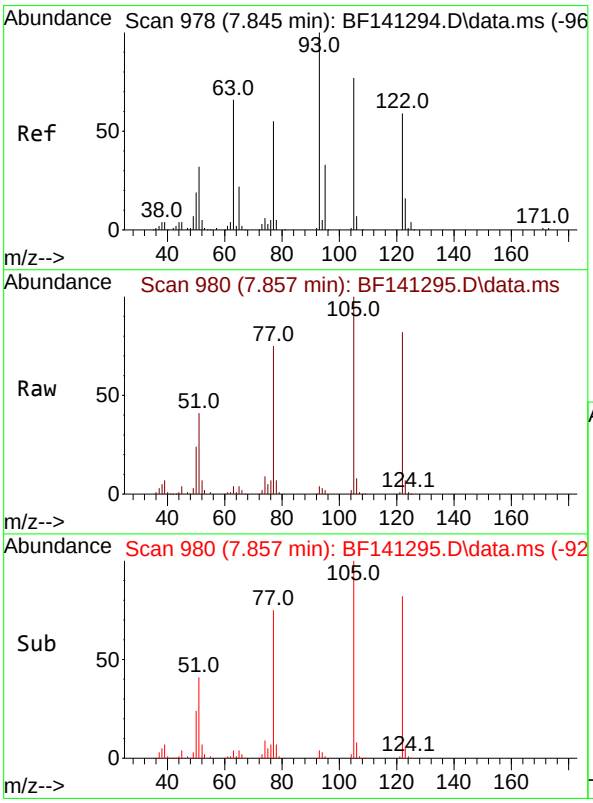
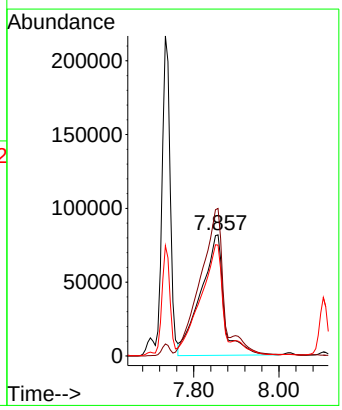
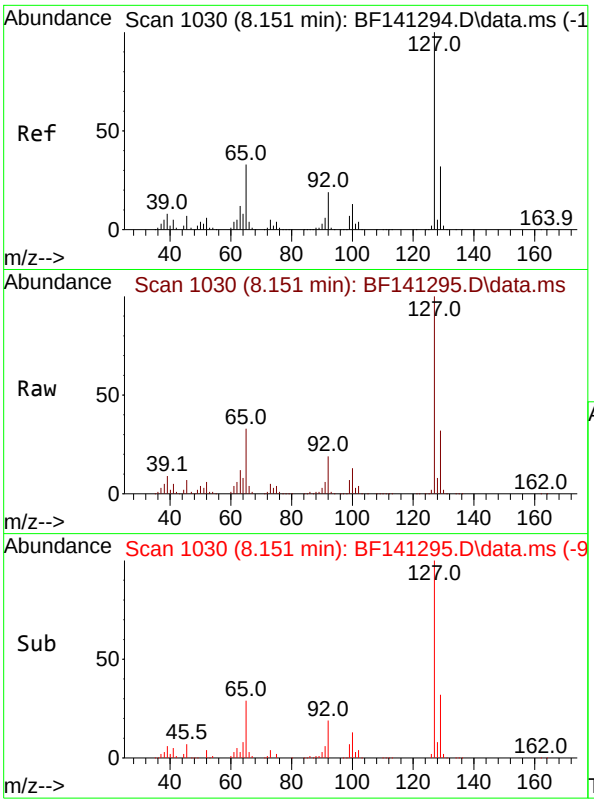


#32
Benzoic acid
Concen: 56.571 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:122 Resp: 308525

Ion	Ratio	Lower	Upper
122	100		
105	121.7	103.4	143.4
77	91.5	70.9	110.9

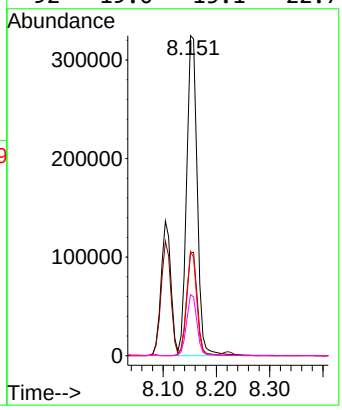




#33
4-Chloroaniline
Concen: 49.712 ng
RT: 8.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:127 Resp: 44954

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	32.6	26.4	39.6
92	19.0	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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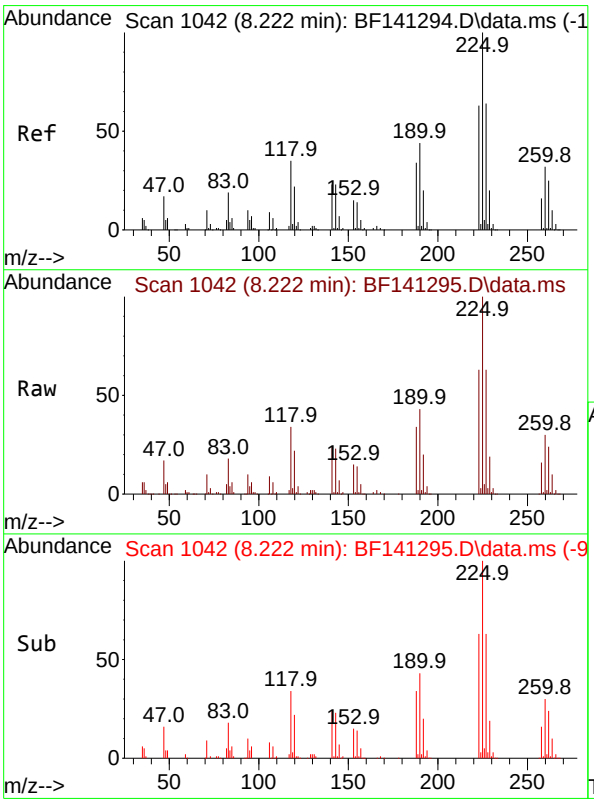
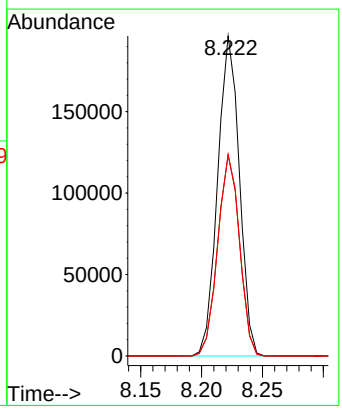
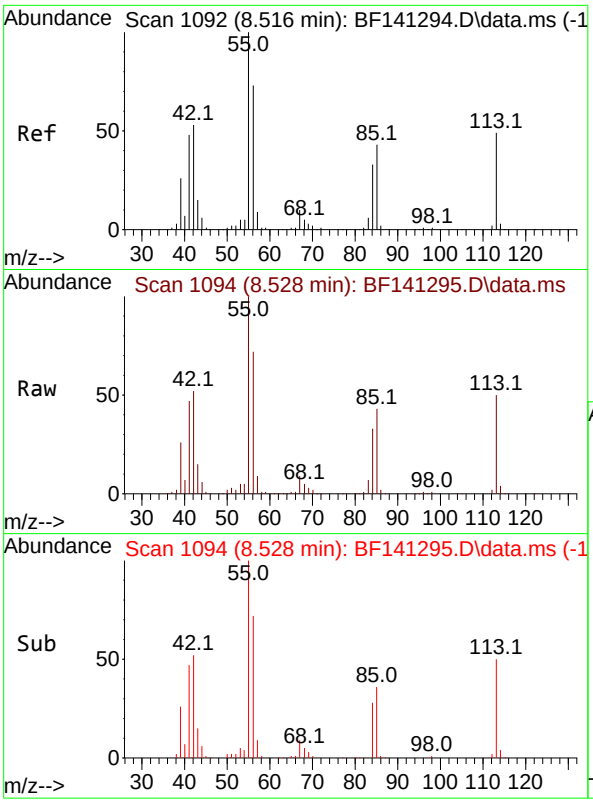


#34
Hexachlorobutadiene
Concen: 49.395 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:225 Resp: 243308

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.4	75.6
227	62.9	51.3	76.9

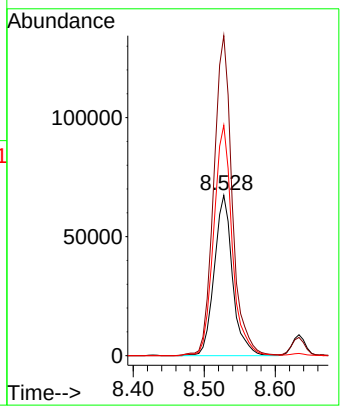




#35
Caprolactam
Concen: 50.594 ng
RT: 8.528 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:113 Resp: 12007

Ion	Ratio	Lower	Upper
113	100		
55	199.5	182.9	222.9
56	143.7	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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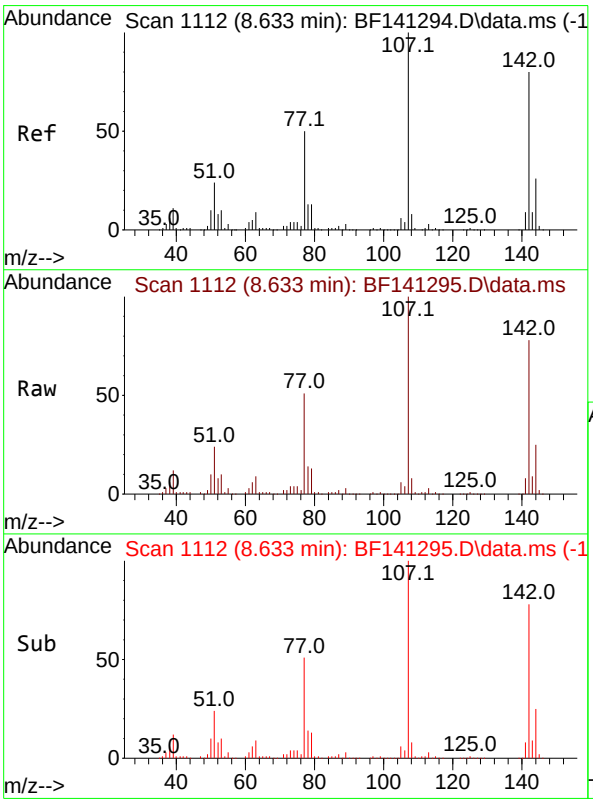
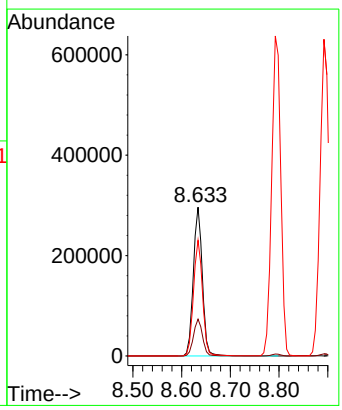
Supervised By :mohammad ahmed 02/04/2025

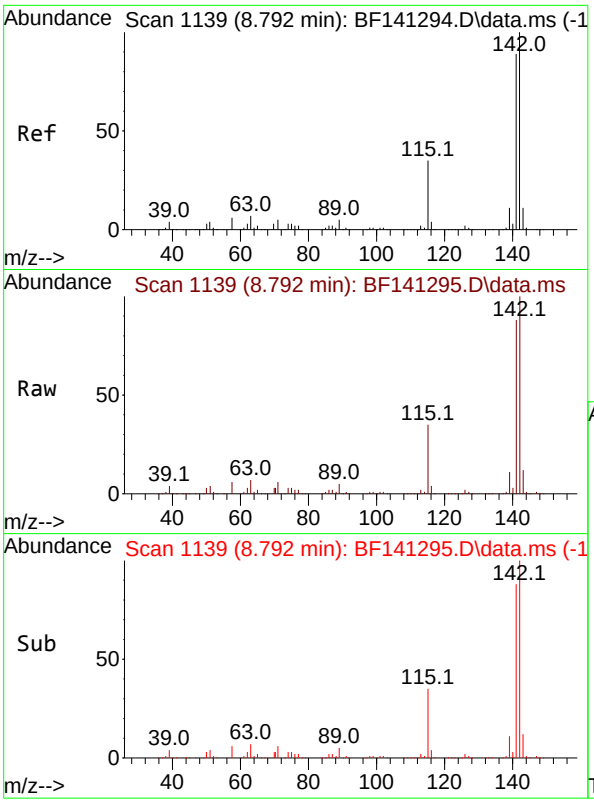


#36
4-Chloro-3-methylphenol
Concen: 48.973 ng
RT: 8.633 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:107 Resp: 385683

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.7	63.8	95.8

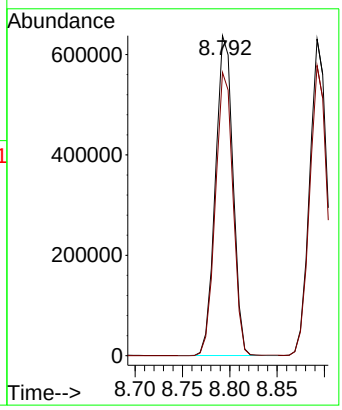




#37
2-Methylnaphthalene
Concen: 48.006 ng
RT: 8.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 82298

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9



Instrument :
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ClientSampleId :
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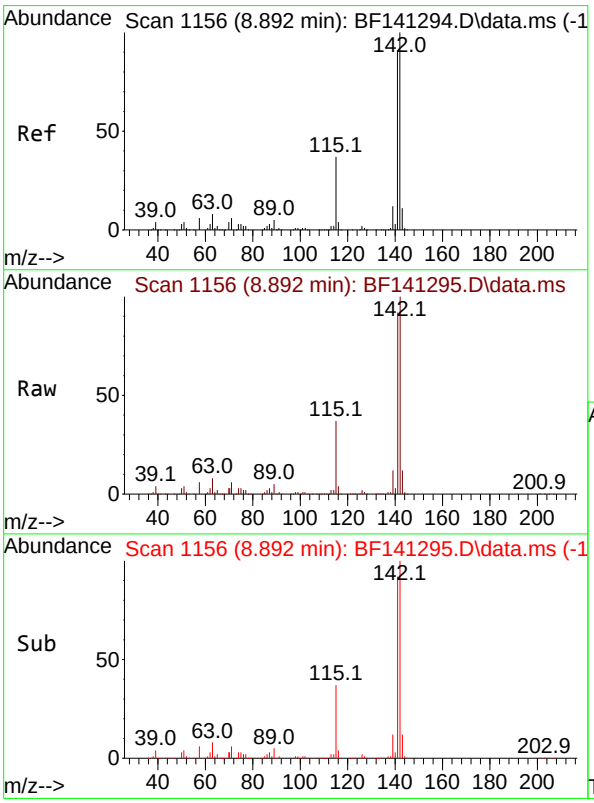
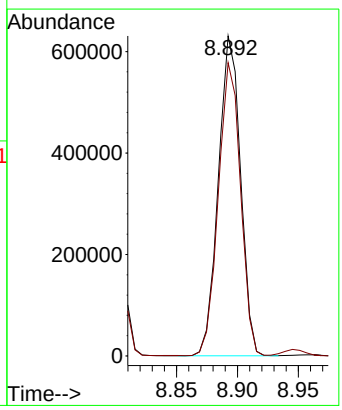
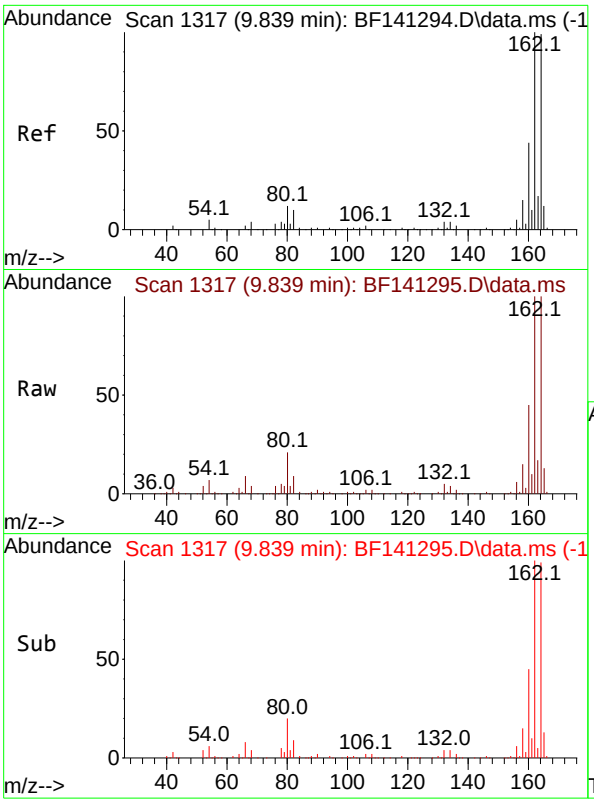


#38
1-Methylnaphthalene
Concen: 47.586 ng
RT: 8.892 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:142 Resp: 799136

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.2	109.8

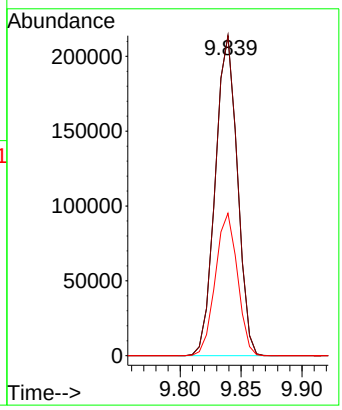




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:164 Resp: 26966

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	44.5	35.8	53.6



Instrument :
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ClientSampleId :
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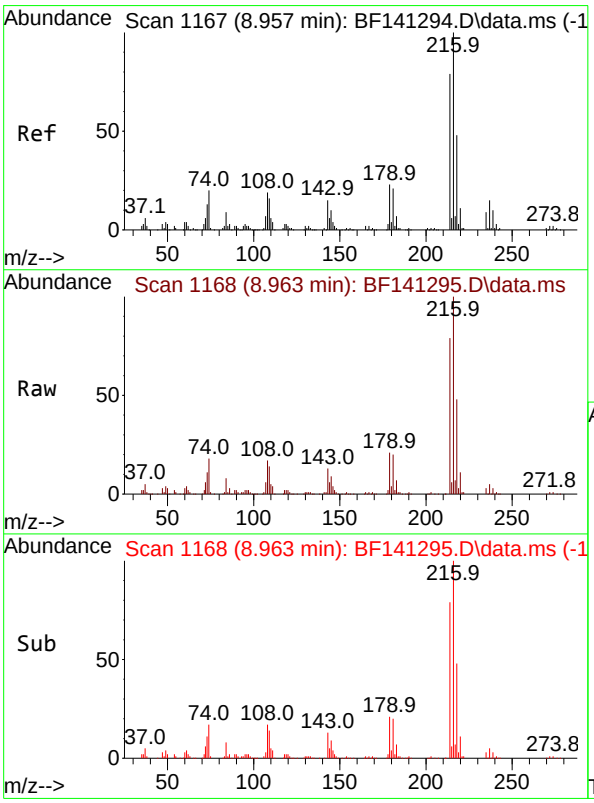
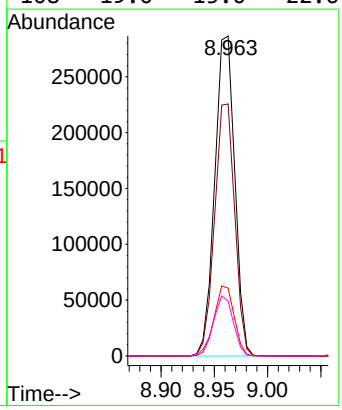
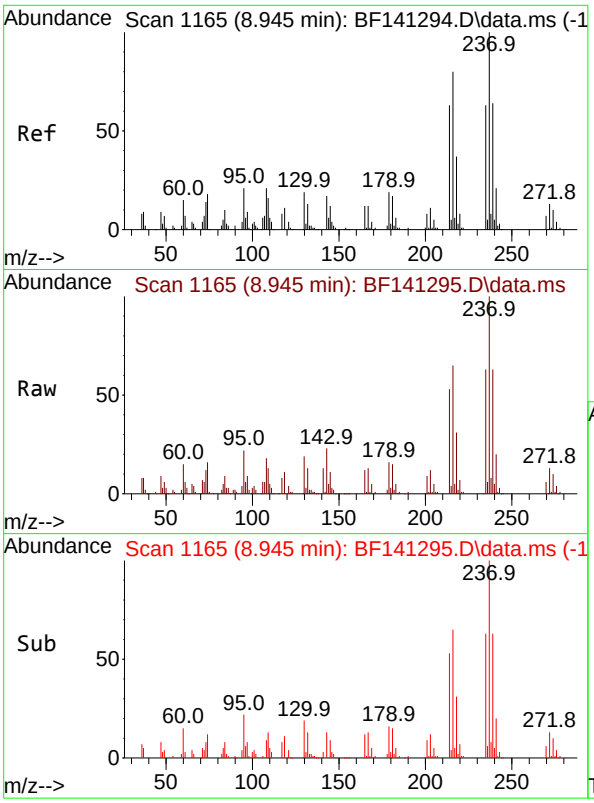


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.774 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:216 Resp: 373963

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	21.7	17.8	26.8
108	19.0	15.0	22.6

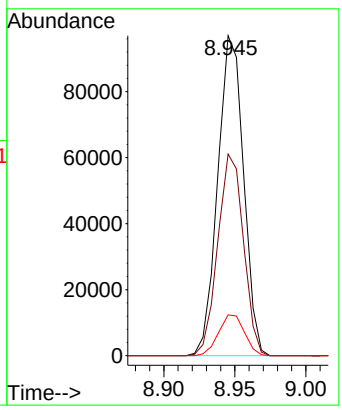




#41
Hexachlorocyclopentadiene
Concen: 53.227 ng
RT: 8.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:237 Resp: 12247

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	12.7	0.0	32.8



Instrument :
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ClientSampleId :
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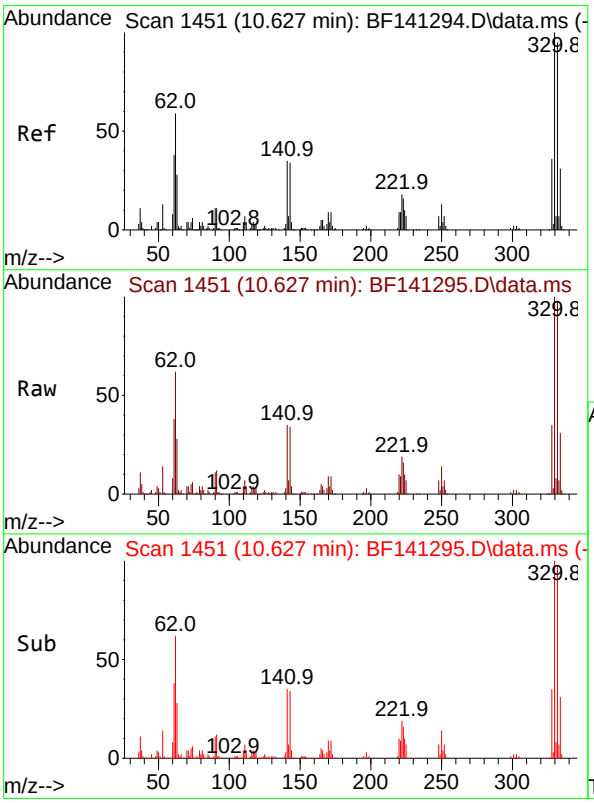
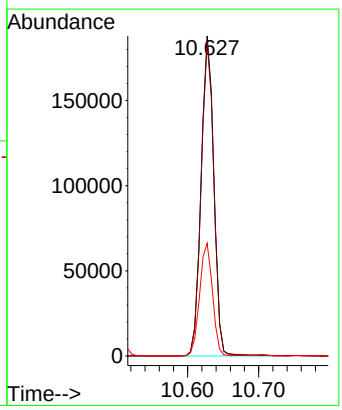
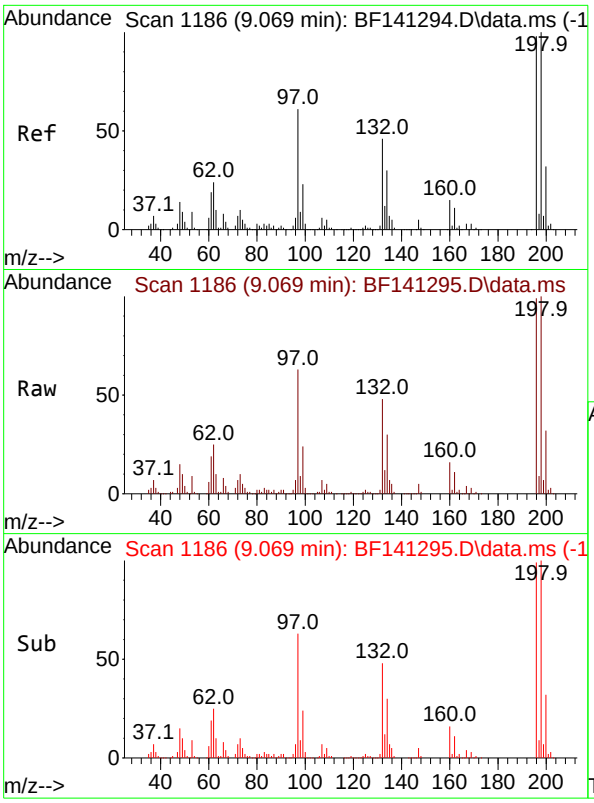


#42
2,4,6-Tribromophenol
Concen: 95.997 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:330 Resp: 235884

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.1	114.1
141	35.4	28.8	43.2

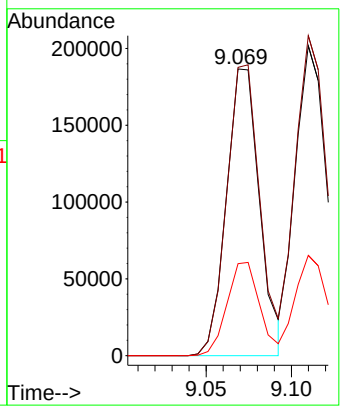




#43
2,4,6-Trichlorophenol
Concen: 50.545 ng
RT: 9.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 25297

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.1	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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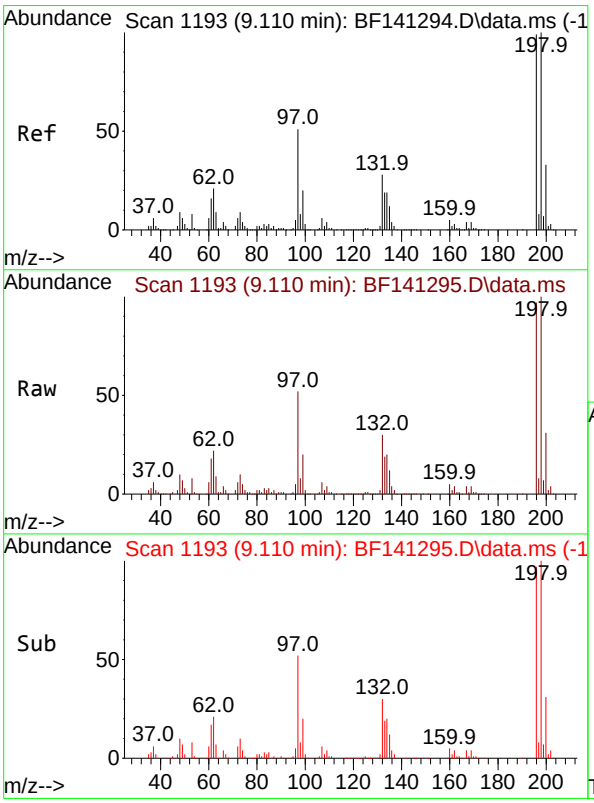
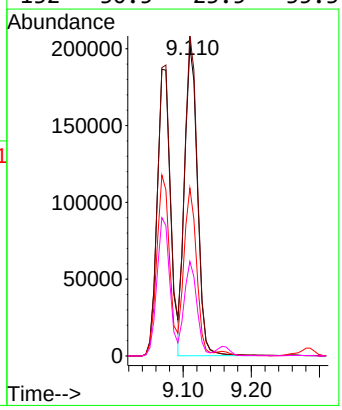
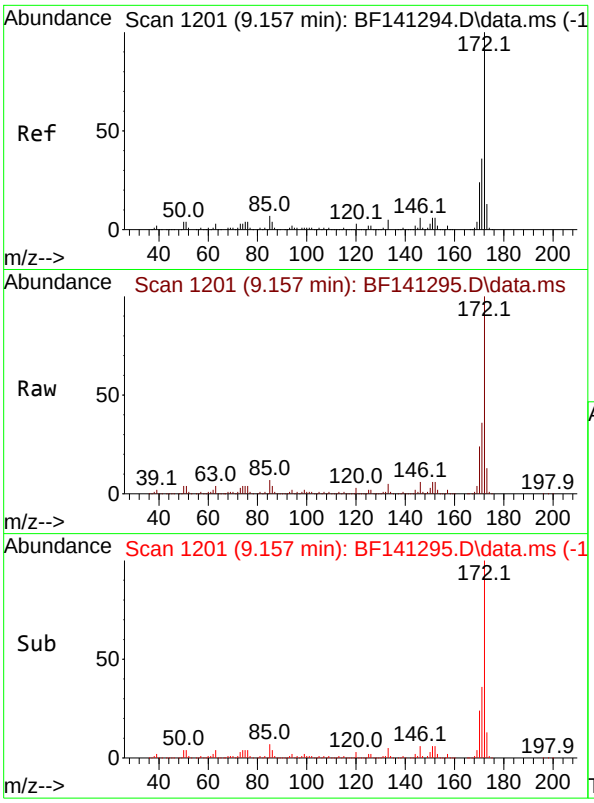


#44
2,4,5-Trichlorophenol
Concen: 48.438 ng
RT: 9.110 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:196 Resp: 263745

Ion	Ratio	Lower	Upper
196	100		
198	103.2	80.5	120.7
97	54.1	42.8	64.2
132	30.5	23.5	35.3

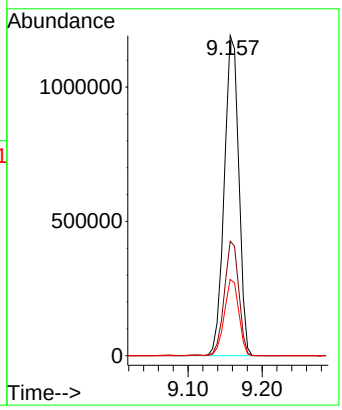




#45
2-Fluorobiphenyl
Concen: 92.721 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:172 Resp: 162082

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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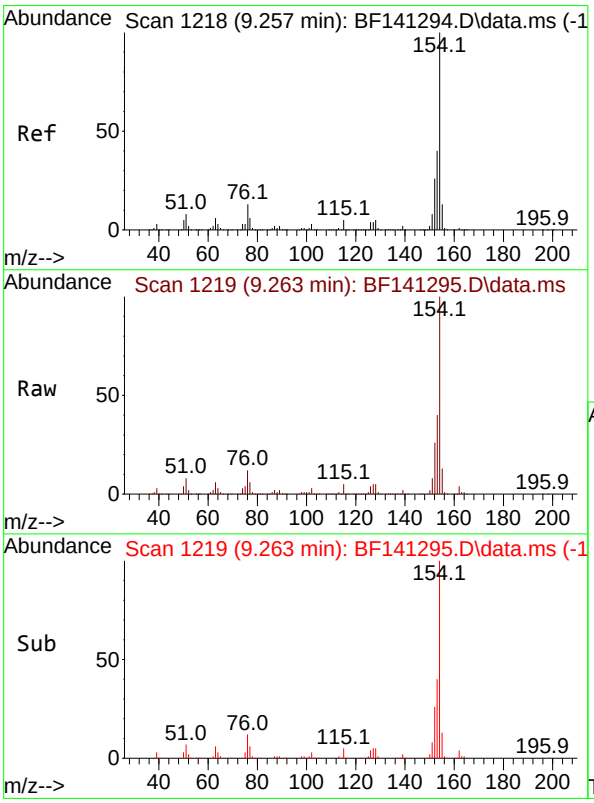
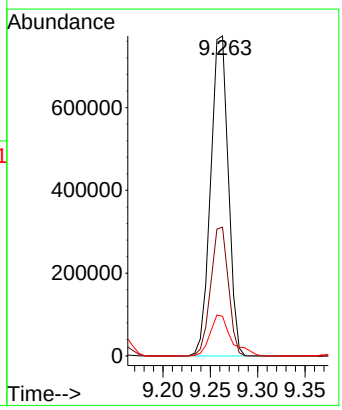
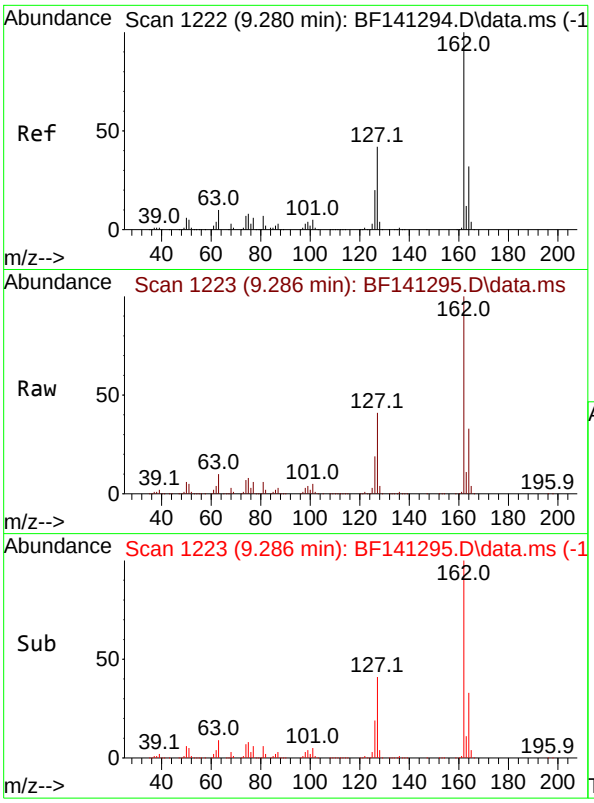


#46
1,1'-Biphenyl
Concen: 47.808 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 1005774

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	12.4	0.0	32.8

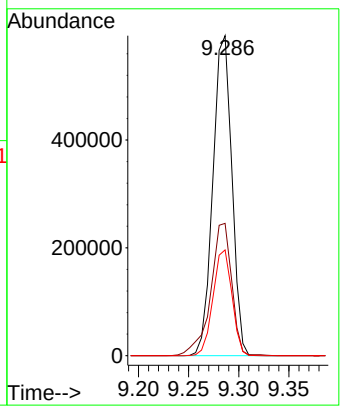




#47
2-Chloronaphthalene
Concen: 47.835 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:162 Resp: 78161

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.7	50.5
164	33.0	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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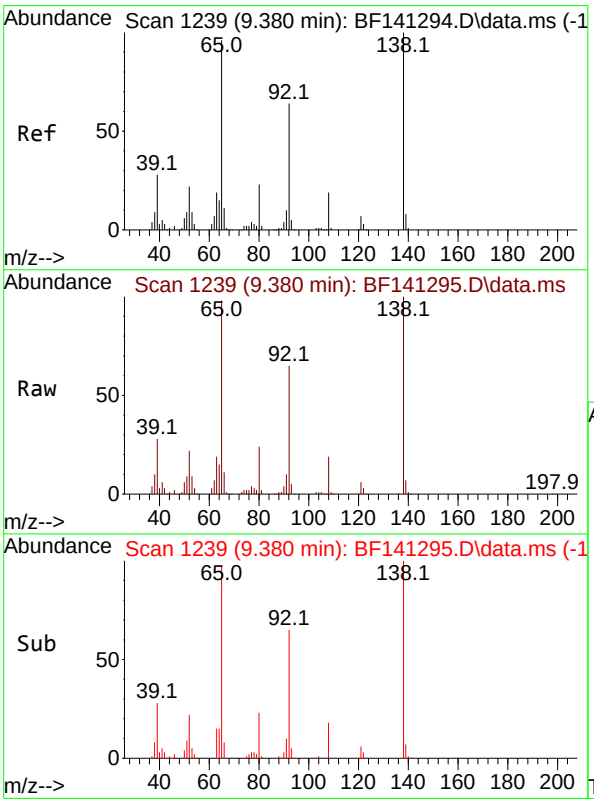
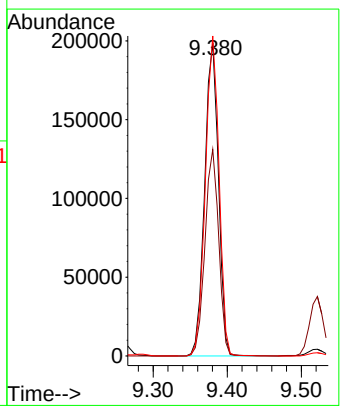
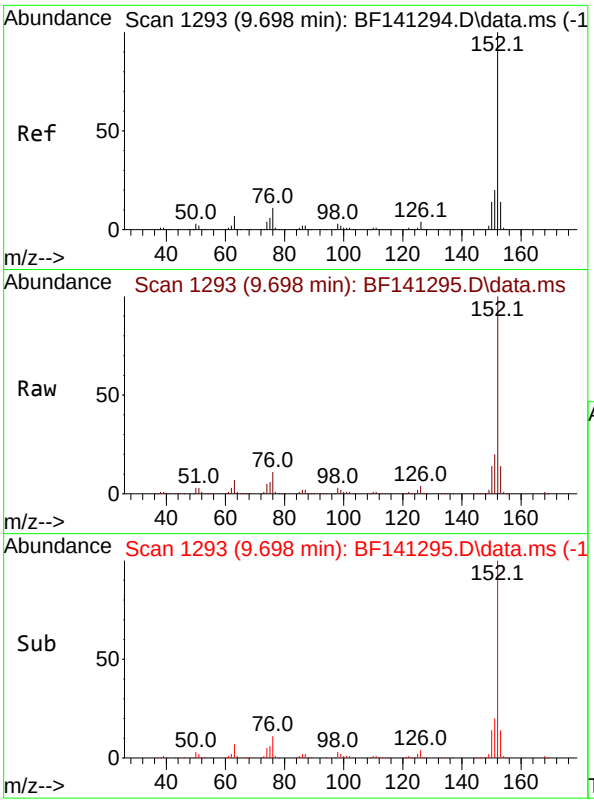


#48
2-Nitroaniline
Concen: 49.907 ng
RT: 9.380 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 65 Resp: 257199

Ion	Ratio	Lower	Upper
65	100		
92	66.0	53.3	79.9
138	102.3	83.6	125.4

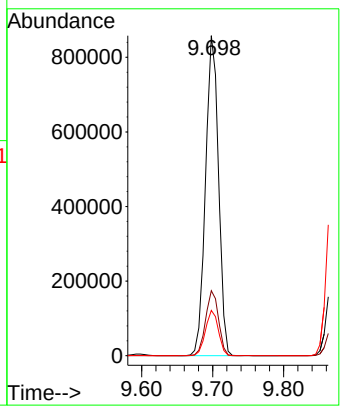




#49
Acenaphthylene
Concen: 47.595 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:152 Resp: 109223

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.2	11.0	16.6



Instrument :
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ClientSampleId :
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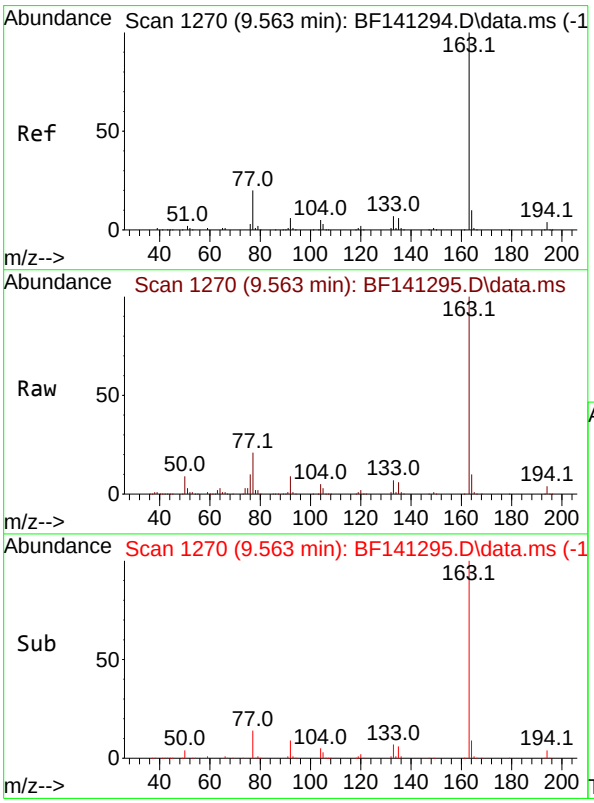
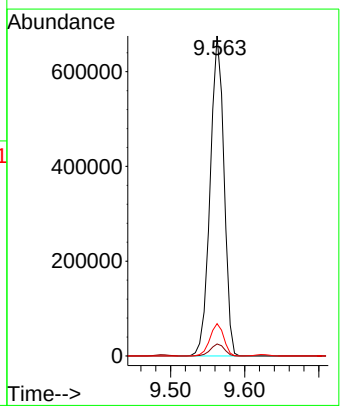
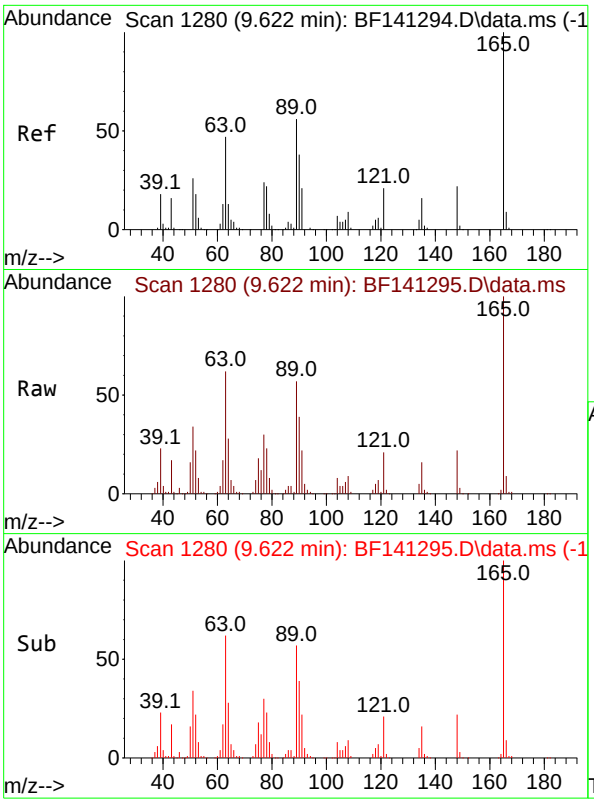


#50
Dimethylphthalate
Concen: 48.419 ng
RT: 9.563 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:163 Resp: 875569

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.0	12.0

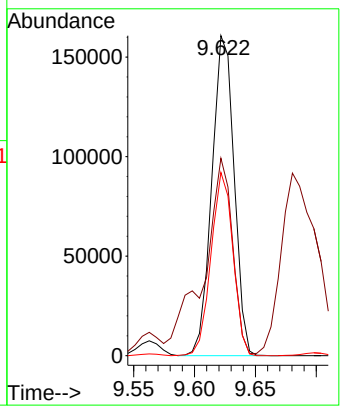




#51
2,6-Dinitrotoluene
Concen: 48.697 ng
RT: 9.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 20491

Ion	Ratio	Lower	Upper
165	100		
63	61.7	48.1	72.1
89	57.3	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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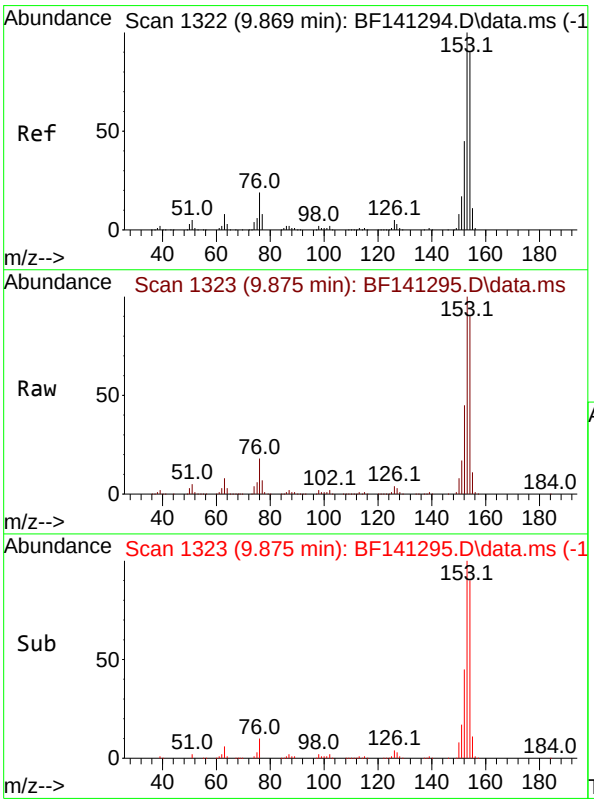
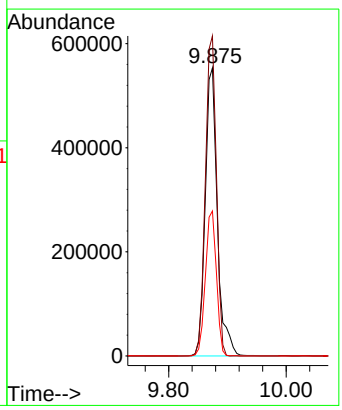
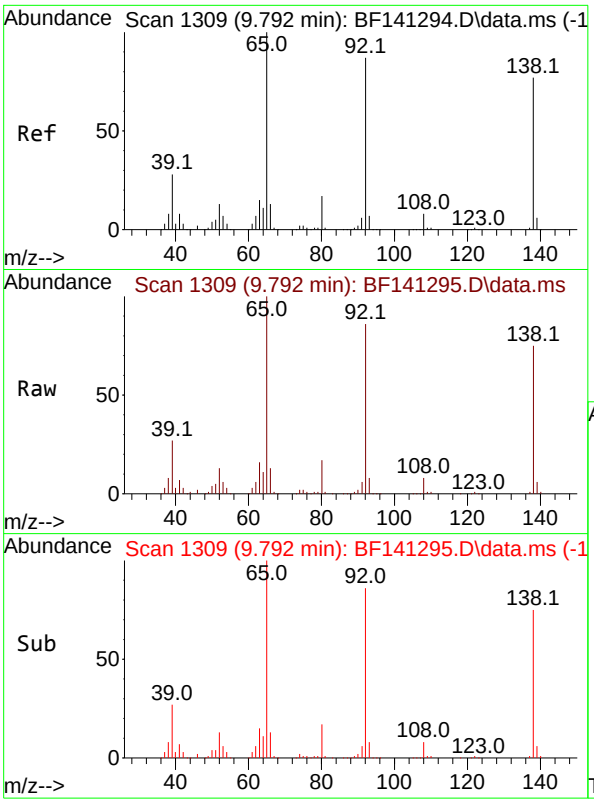


#52
Acenaphthene
Concen: 48.322 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:154 Resp: 789039

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	50.3	40.2	60.4





#53
3-Nitroaniline
Concen: 47.528 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:138 Resp: 19783

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.0	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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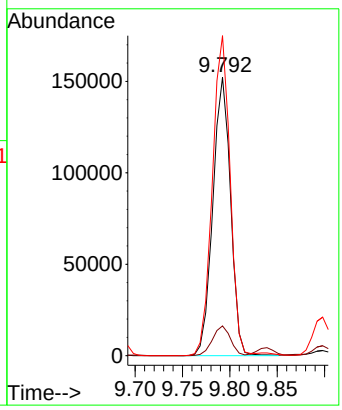
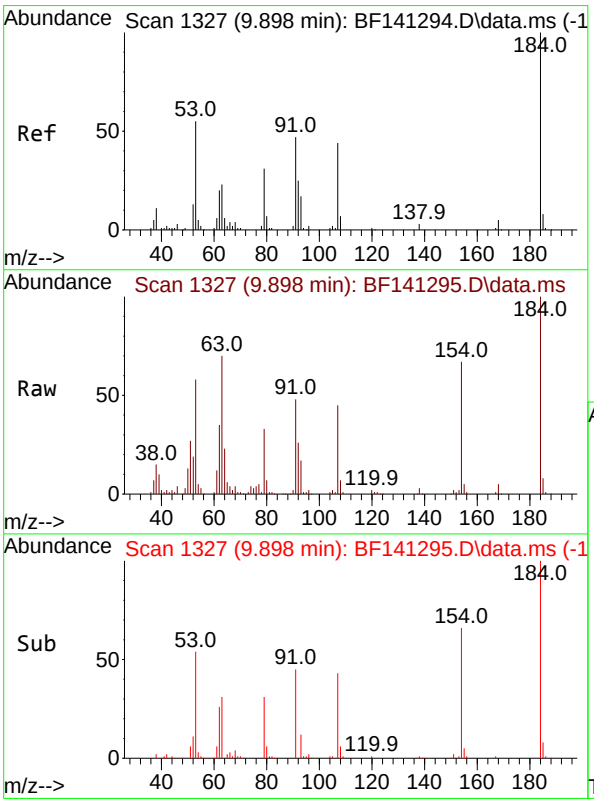
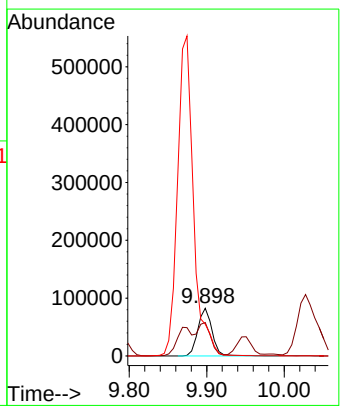


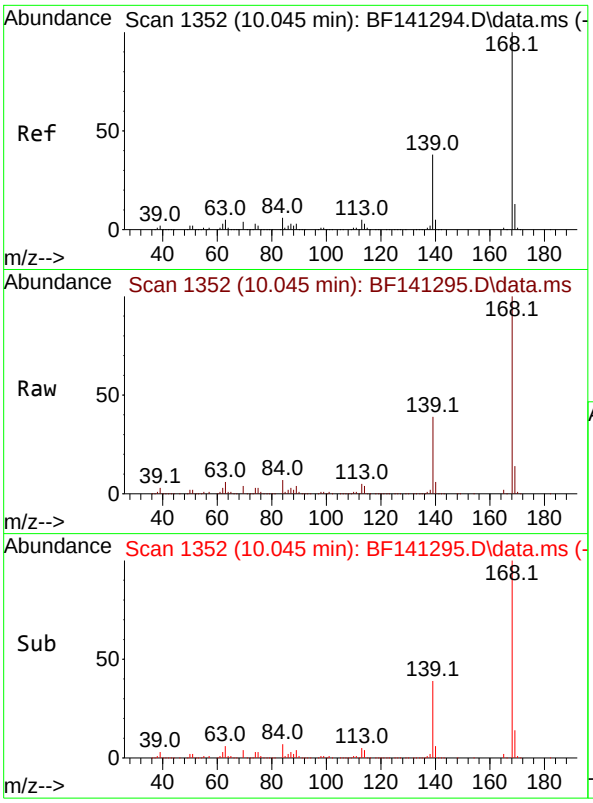


#54
2,4-Dinitrophenol
Concen: 53.096 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 105313

Ion	Ratio	Lower	Upper
184	100		
63	70.3	54.1	81.1
154	66.8	50.7	76.1

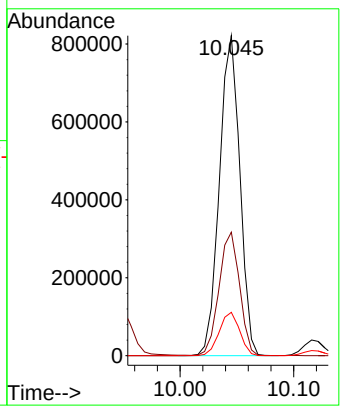




#55
Dibenzofuran
Concen: 47.082 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:168 Resp: 102818

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	46.0
169	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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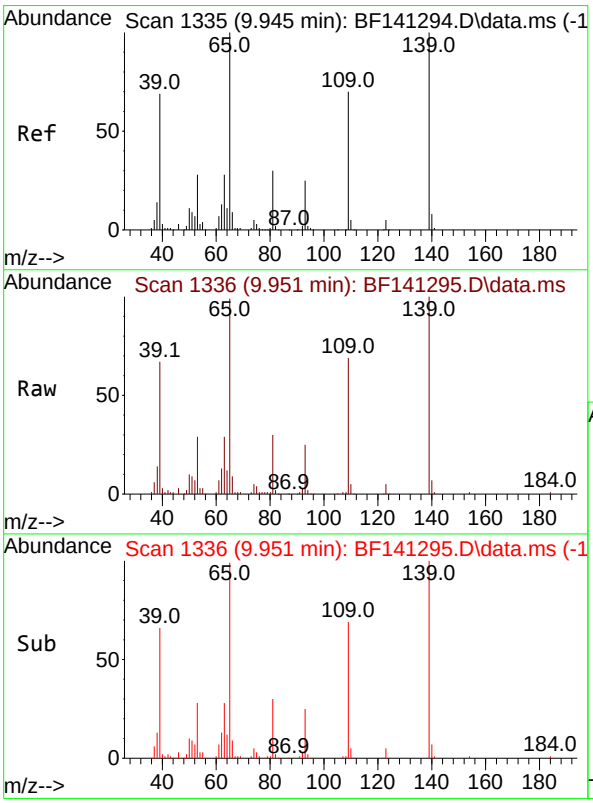
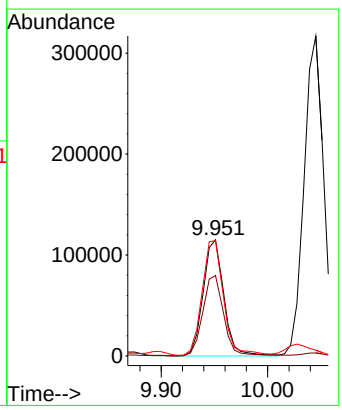
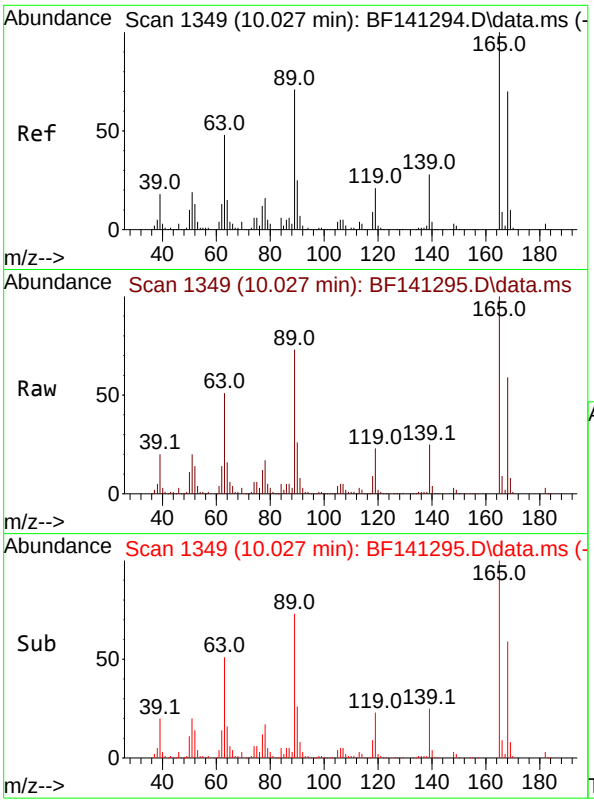


#56
4-Nitrophenol
Concen: 52.067 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:139 Resp: 155594

Ion	Ratio	Lower	Upper
139	100		
109	69.3	50.2	90.2
65	99.5	80.6	120.6

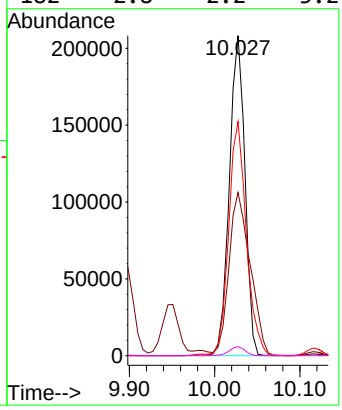




#57
2,4-Dinitrotoluene
Concen: 48.700 ng
RT: 10.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:165 Resp: 26432

Ion	Ratio	Lower	Upper
165	100		
63	51.0	39.2	58.8
89	73.1	56.9	85.3
182	2.8	2.2	3.2



Instrument :
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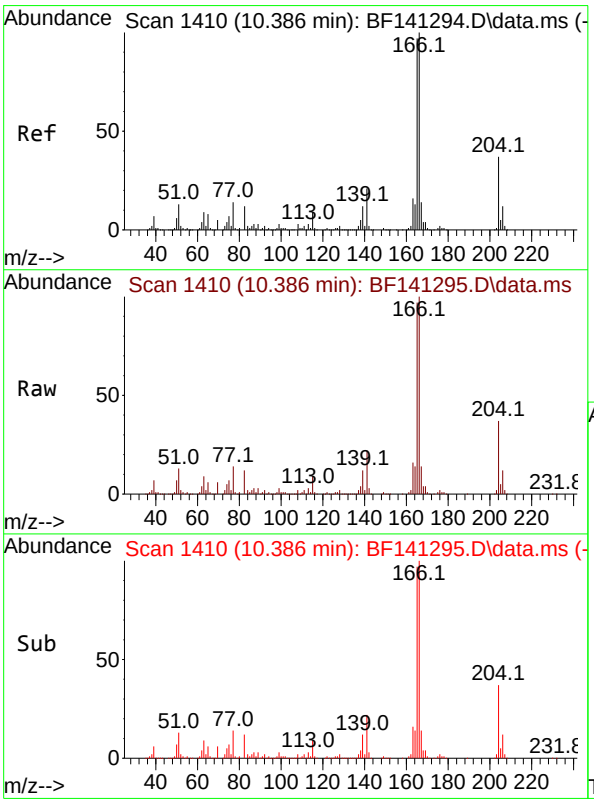
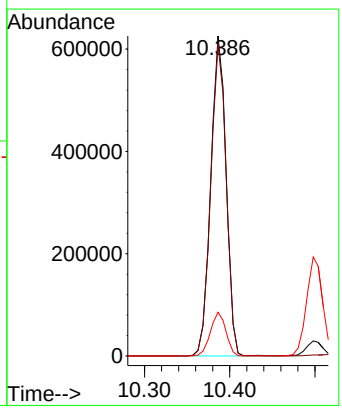
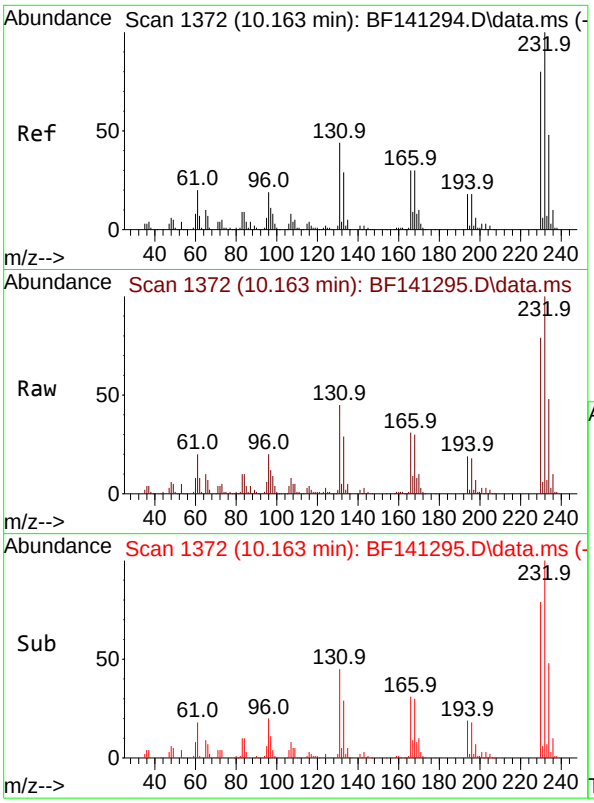


#58
Fluorene
Concen: 46.215 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:166 Resp: 784644

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.5	116.3
167	13.6	10.9	16.3

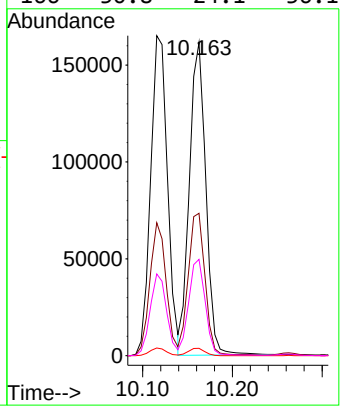




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.772 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:232 Resp: 20550

Ion	Ratio	Lower	Upper
232	100		
131	46.9	36.4	54.6
130	2.4	1.9	2.9
166	30.8	24.1	36.1



Instrument :
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ClientSampleId :
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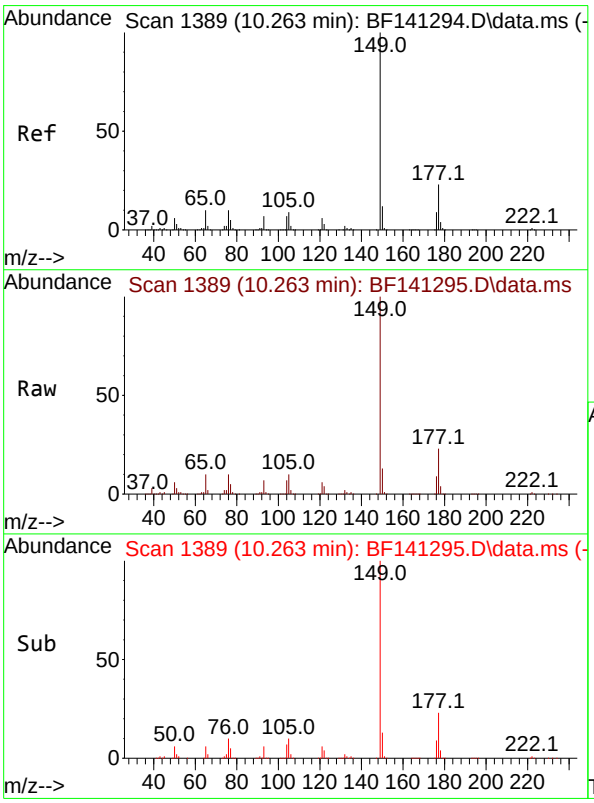
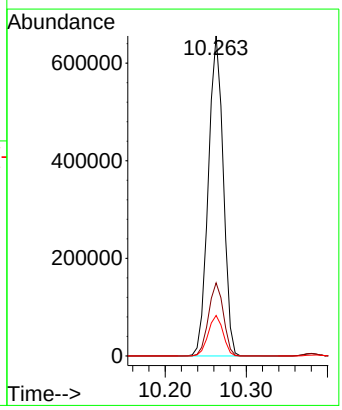
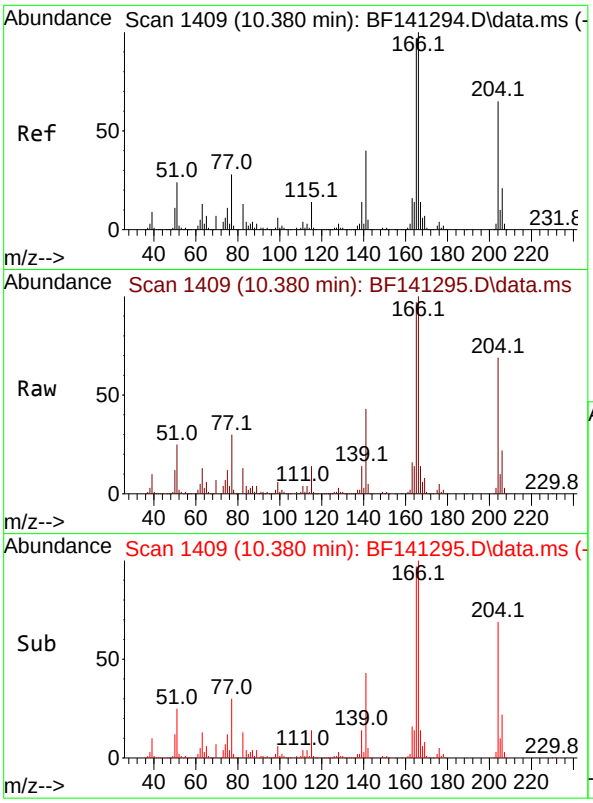


#60
Diethylphthalate
Concen: 47.668 ng
RT: 10.263 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 834803

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.976 ng
RT: 10.380 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:204 Resp: 380948

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	62.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
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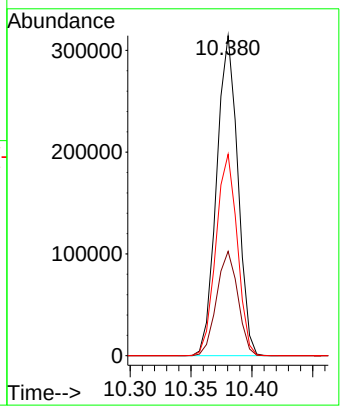
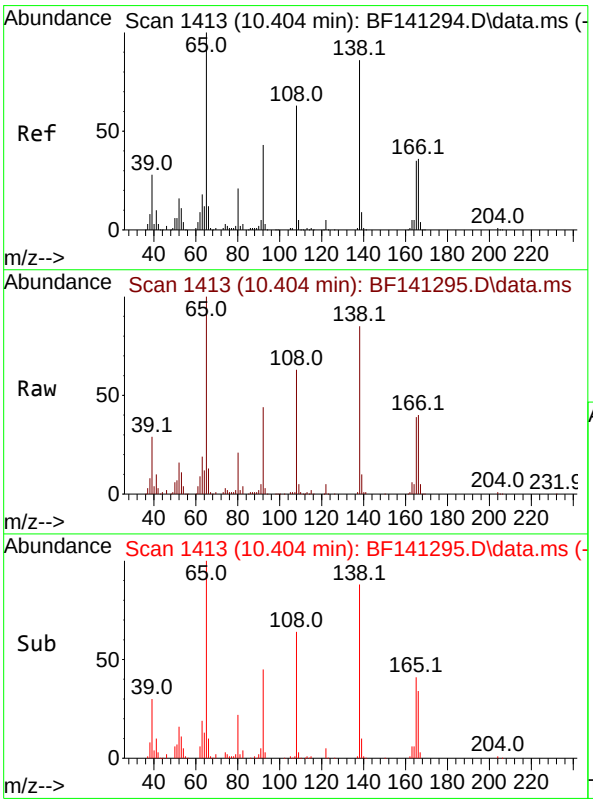
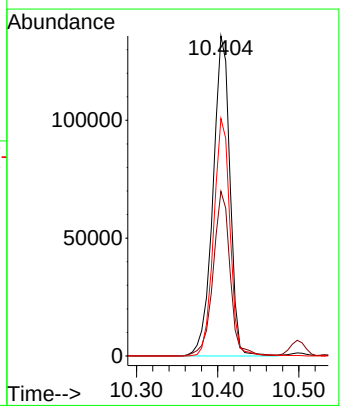


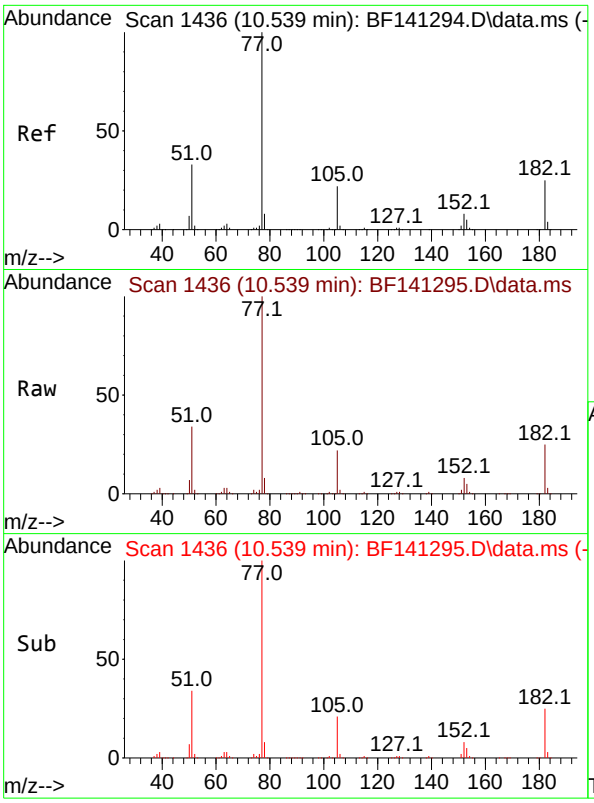


#62
4-Nitroaniline
Concen: 49.579 ng
RT: 10.404 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:138 Resp: 198241

Ion	Ratio	Lower	Upper
138	100		
92	51.5	30.1	70.1
108	74.2	53.1	93.1

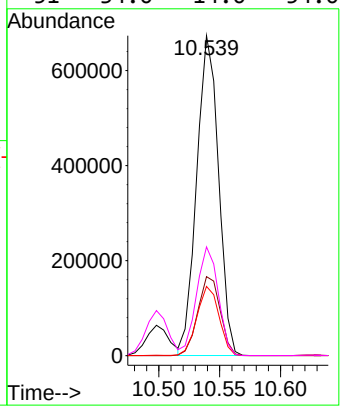




#63
Azobenzene
Concen: 47.955 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion: 77 Resp: 84179

Ion	Ratio	Lower	Upper
77	100		
182	24.7	5.1	45.1
105	21.7	1.8	41.8
51	34.0	14.0	54.0



Instrument :
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ClientSampleId :
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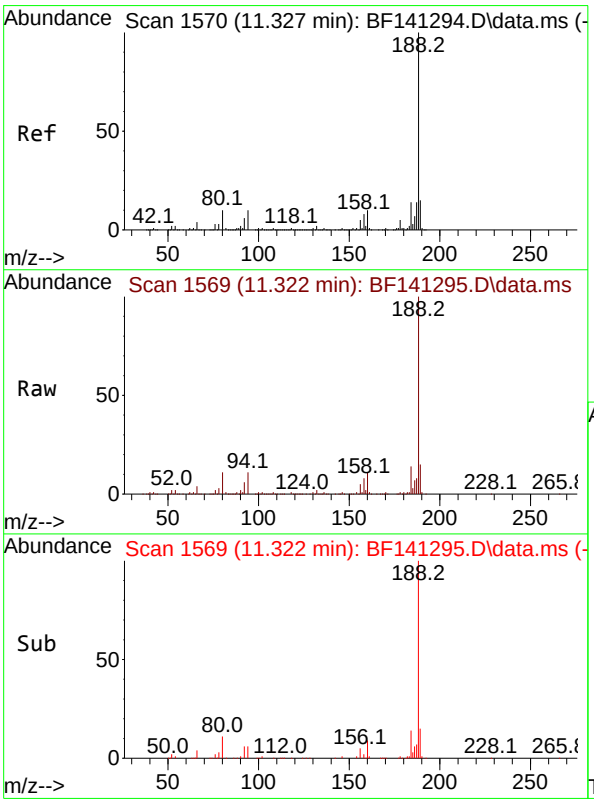
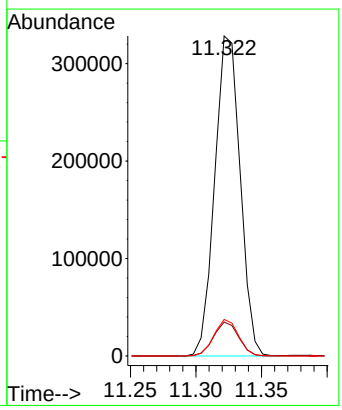
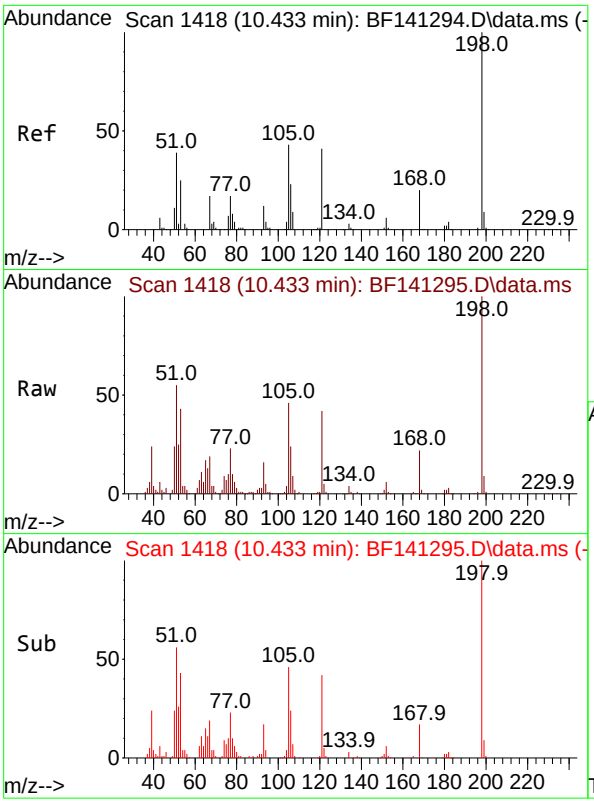


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:188 Resp: 442506

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.4	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 54.710 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:198 Resp: 14457

Ion	Ratio	Lower	Upper
198	100		
51	55.4	33.4	73.4
105	45.8	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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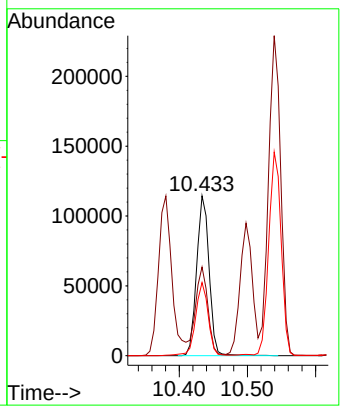
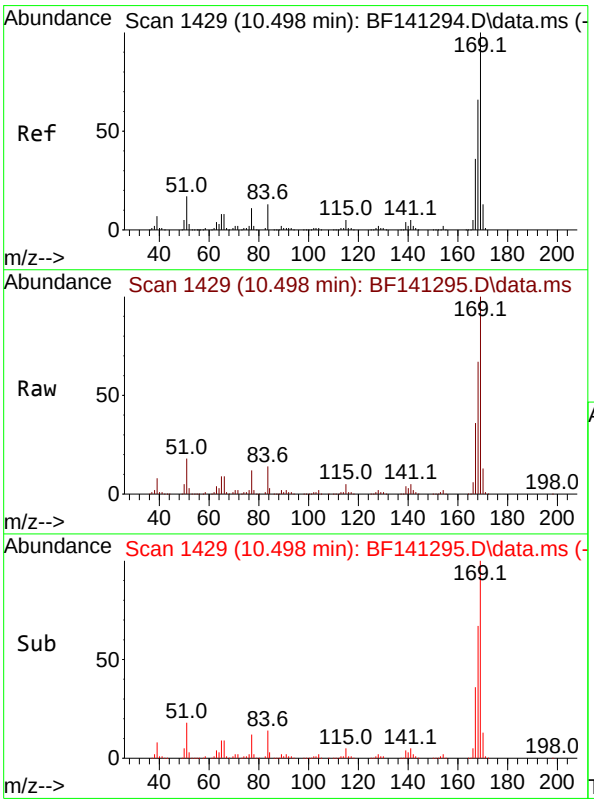
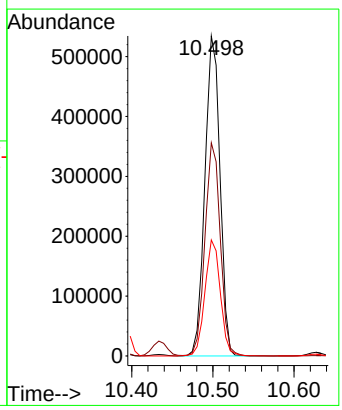


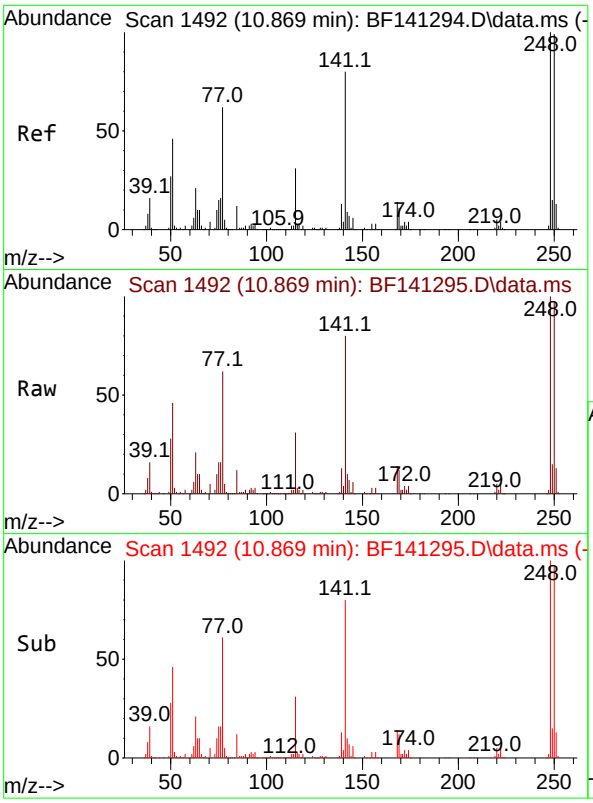


#66
n-Nitrosodiphenylamine
Concen: 47.968 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:169 Resp: 688202

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.2	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 48.745 ng
RT: 10.869 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:248 Resp: 24112

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	79.5	63.7	95.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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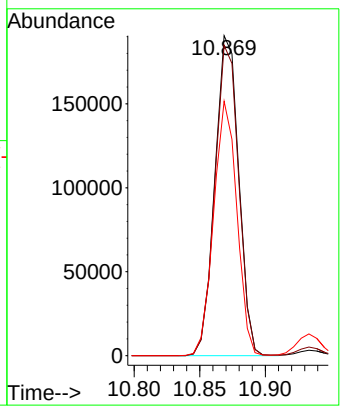
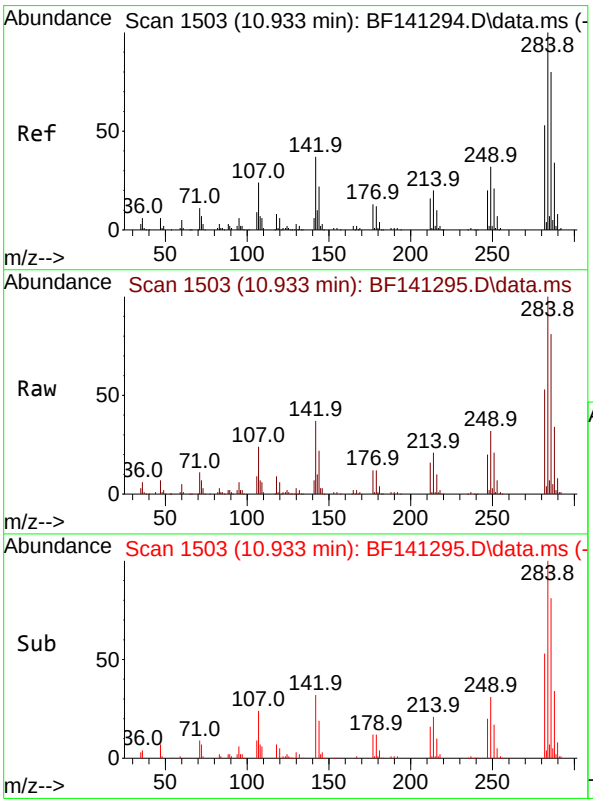
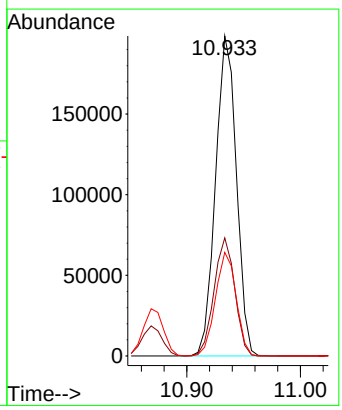


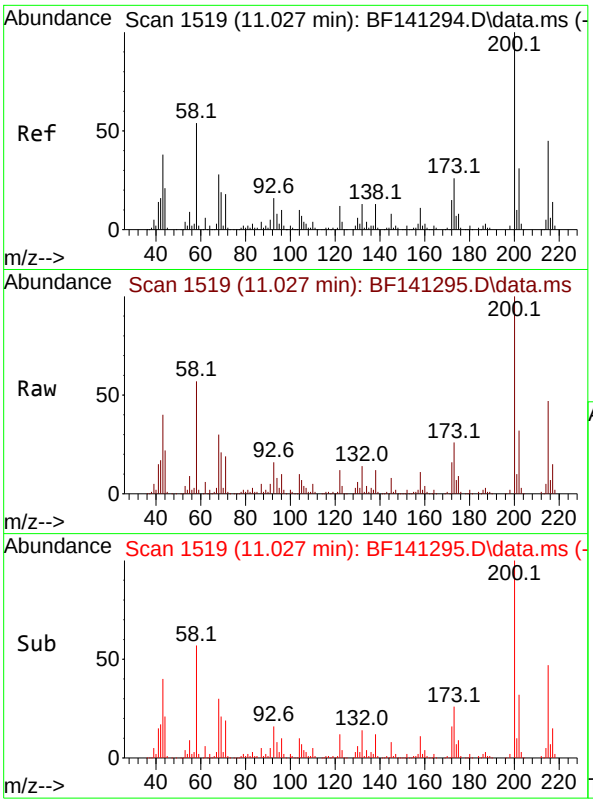


#68
Hexachlorobenzene
Concen: 48.250 ng
RT: 10.933 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:284 Resp: 253174

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	32.3	25.4	38.2

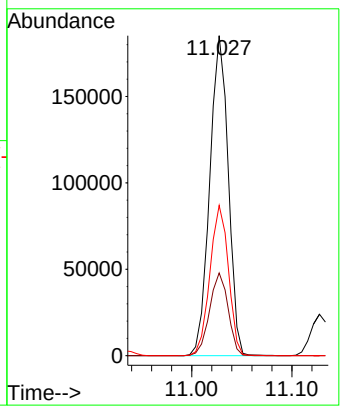




#69
Atrazine
Concen: 49.457 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:200 Resp: 23799

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.9	45.9
215	46.9	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
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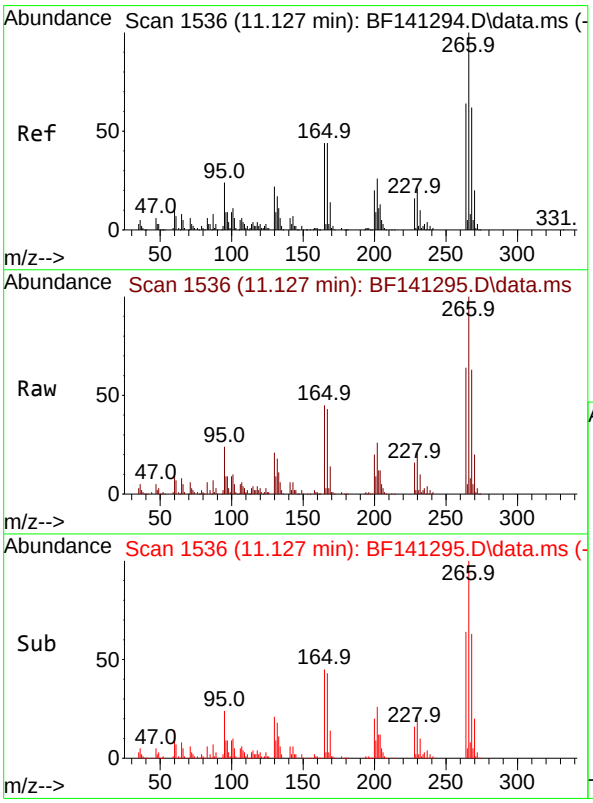
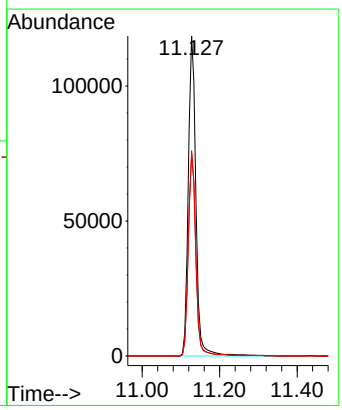
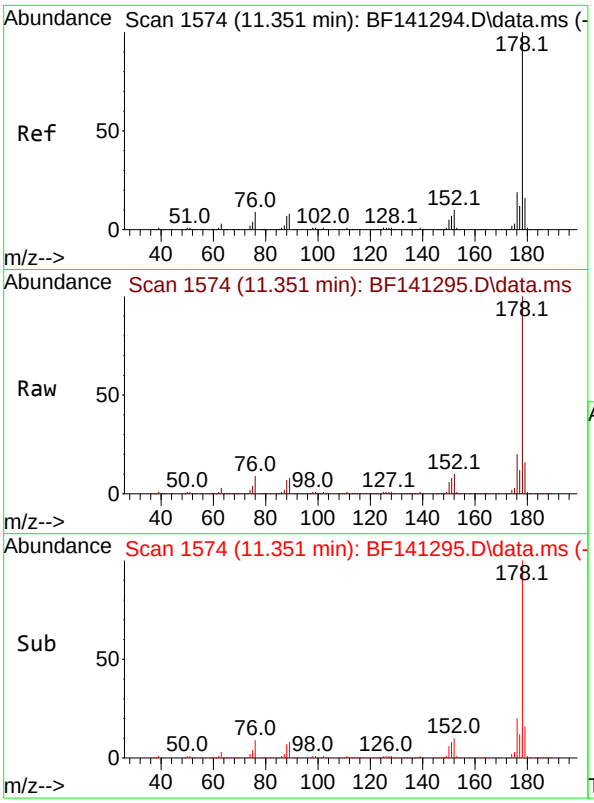


#70
Pentachlorophenol
Concen: 52.515 ng
RT: 11.127 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:266 Resp: 161568

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.9	74.9
264	64.1	51.0	76.4

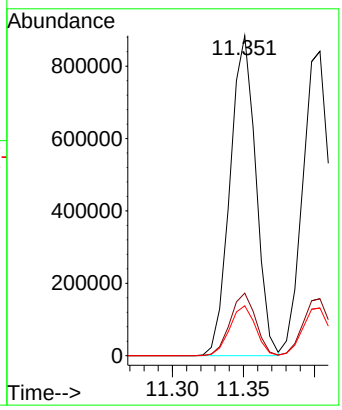




#71
Phenanthrene
Concen: 46.903 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 111492

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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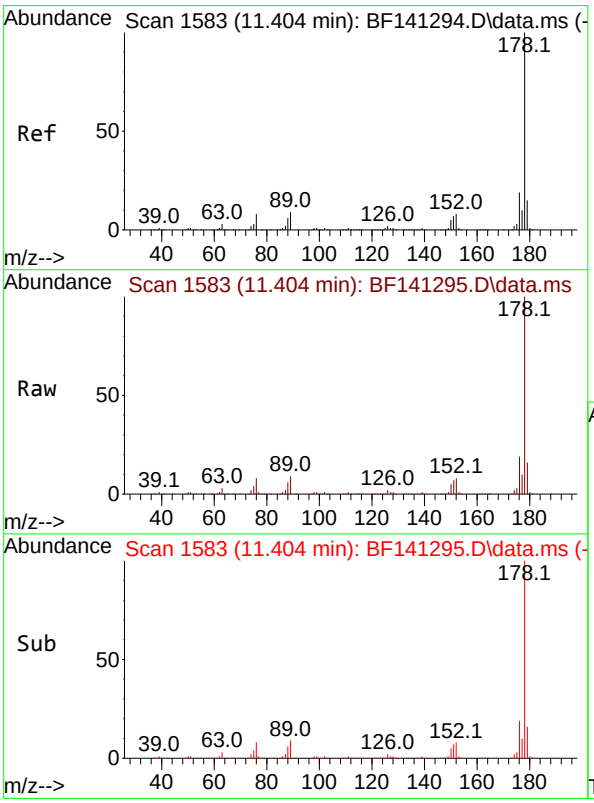
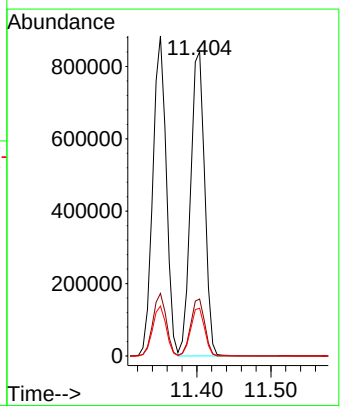
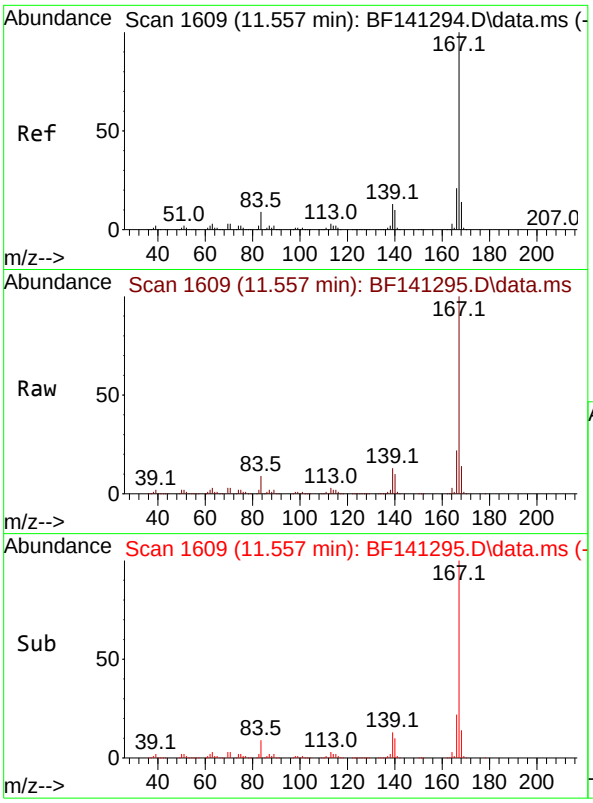


#72
Anthracene
Concen: 47.686 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:178 Resp: 1105681

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

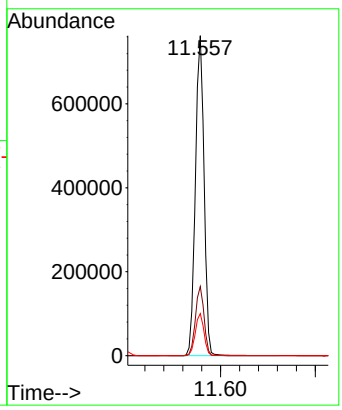




#73
Carbazole
Concen: 47.304 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:167 Resp: 97154

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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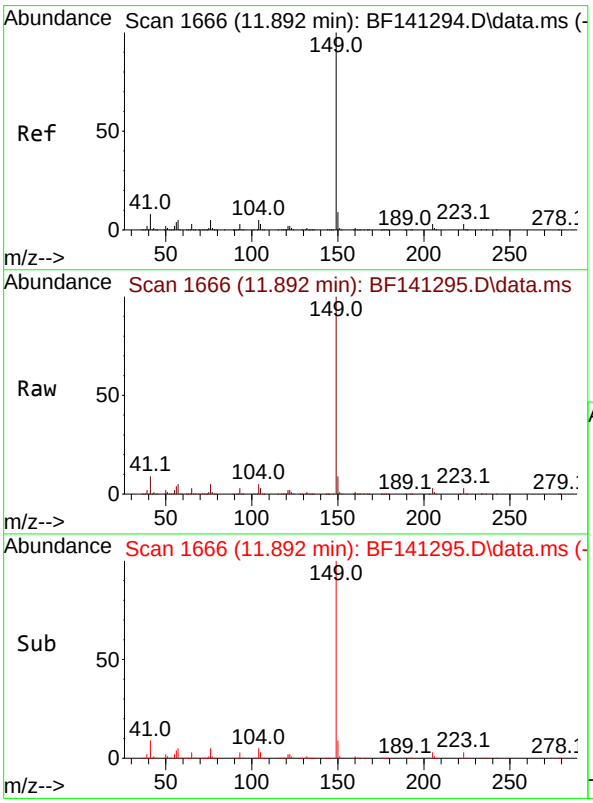
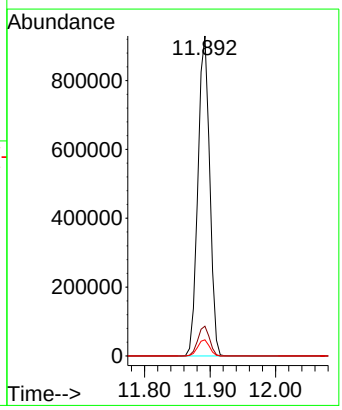
Supervised By :mohammad ahmed 02/04/2025

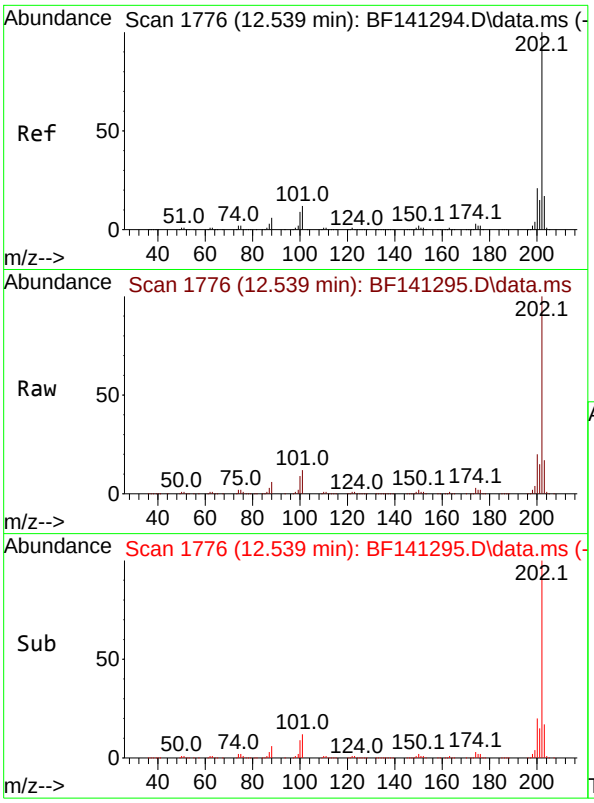


#74
Di-n-butylphthalate
Concen: 46.961 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 1162607

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

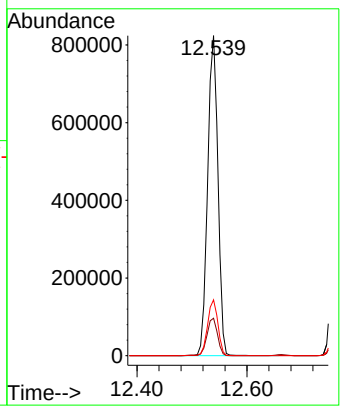




#75
Fluoranthene
Concen: 45.923 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 106551

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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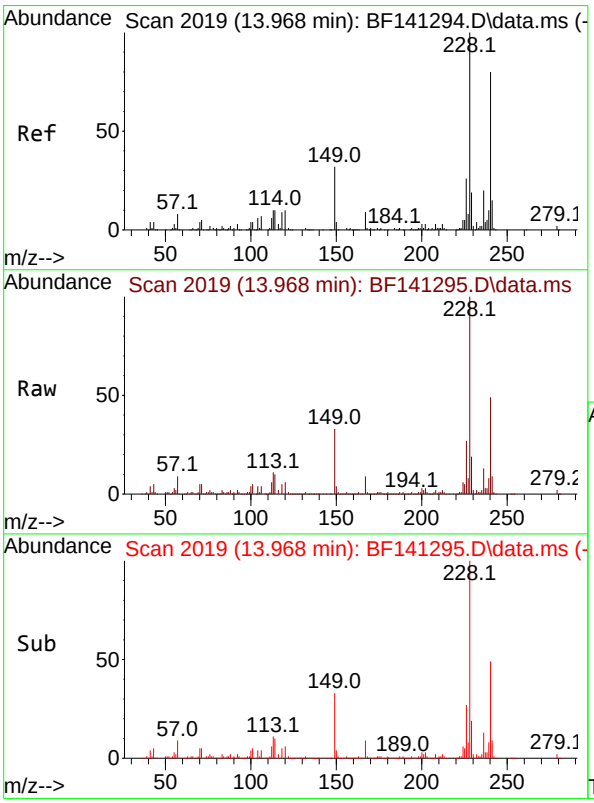
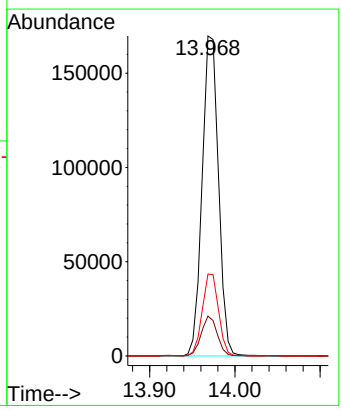
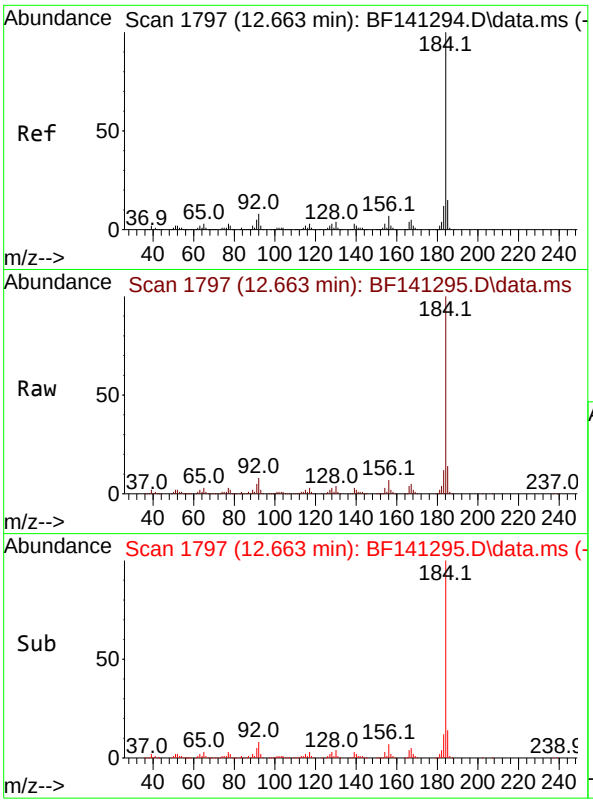


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:240 Resp: 226571

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.6	19.7	29.5

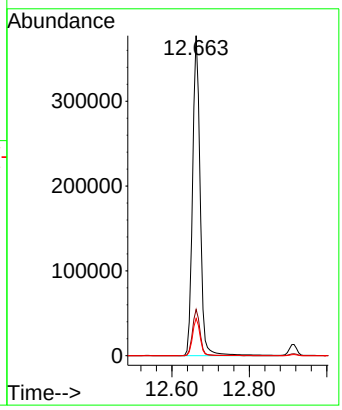




#77
Benzidine
Concen: 74.515 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:184 Resp: 51335

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
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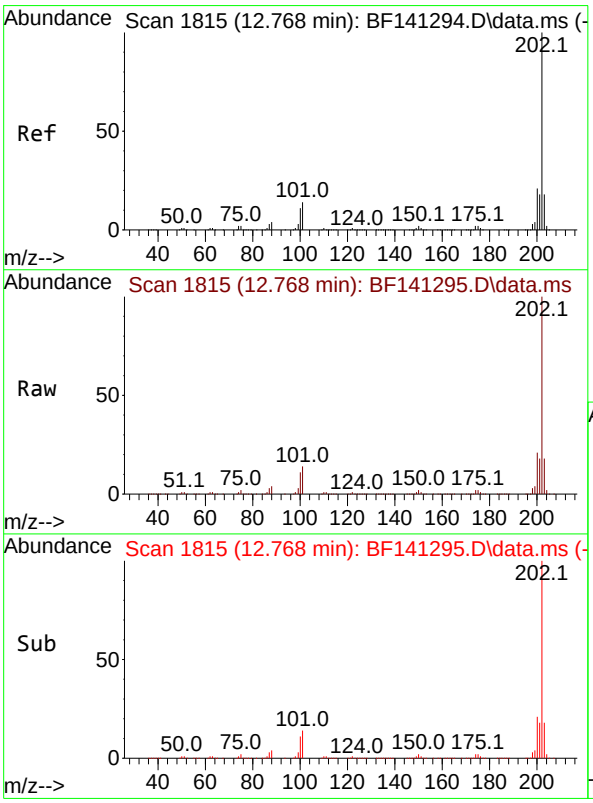
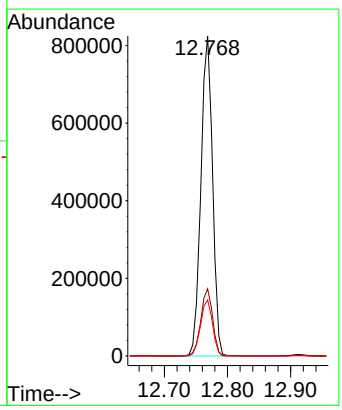
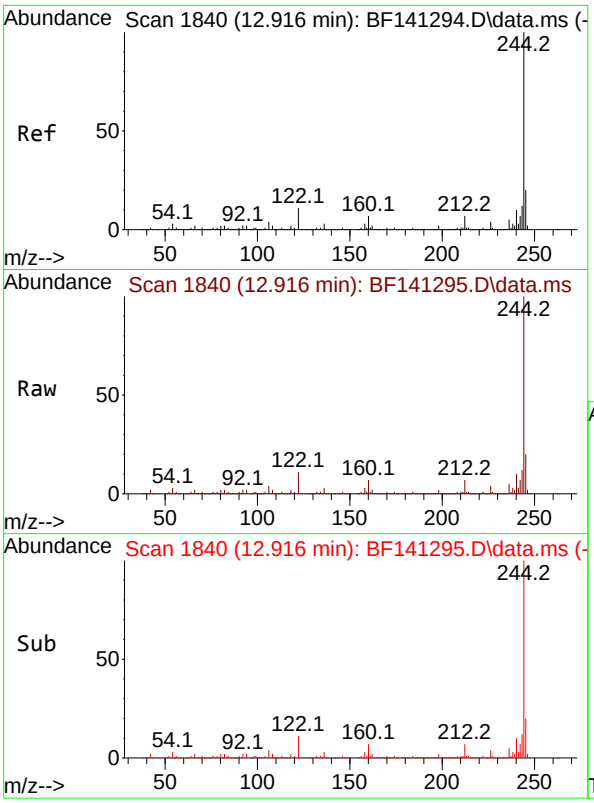


#78
Pyrene
Concen: 48.410 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:202 Resp: 1059044

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	14.3	21.5

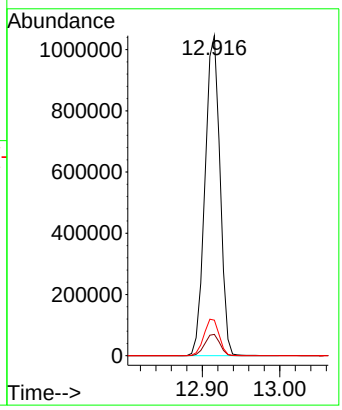




#79
Terphenyl-d14
Concen: 95.222 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:244 Resp: 140210

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
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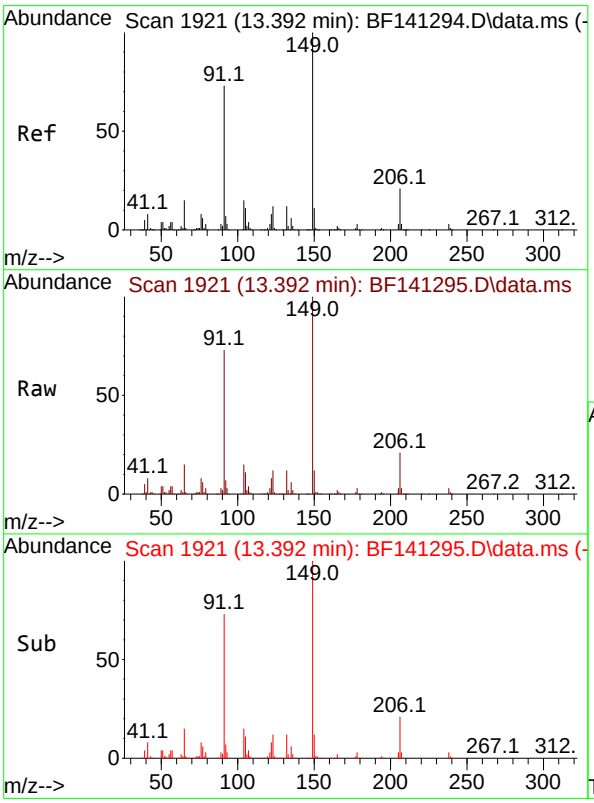
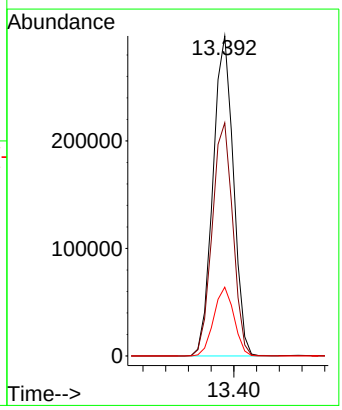
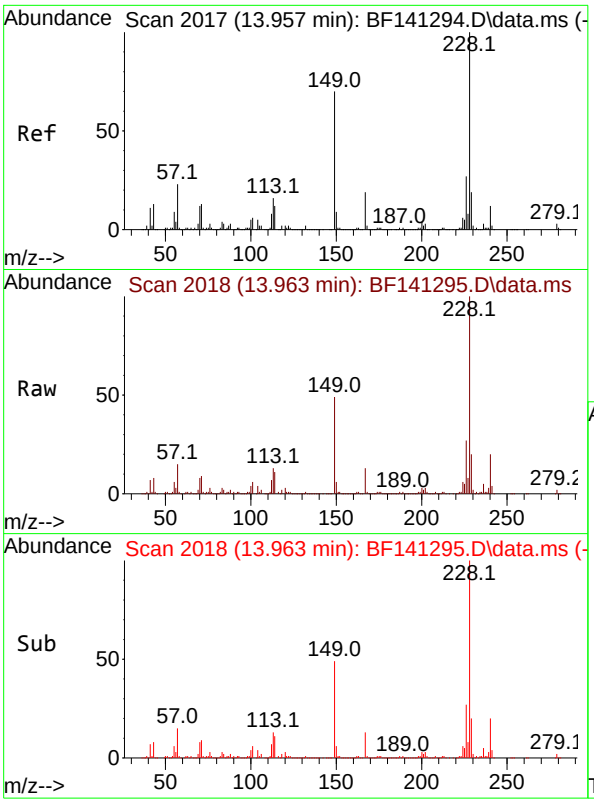


#80
Butylbenzylphthalate
Concen: 49.222 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 371889

Ion	Ratio	Lower	Upper
149	100		
91	72.9	58.6	87.8
206	21.5	16.7	25.1

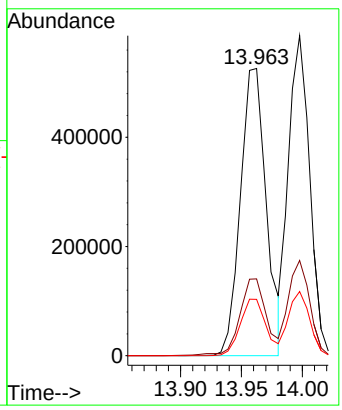




#81
Benzo(a)anthracene
Concen: 50.158 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 77892

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.6	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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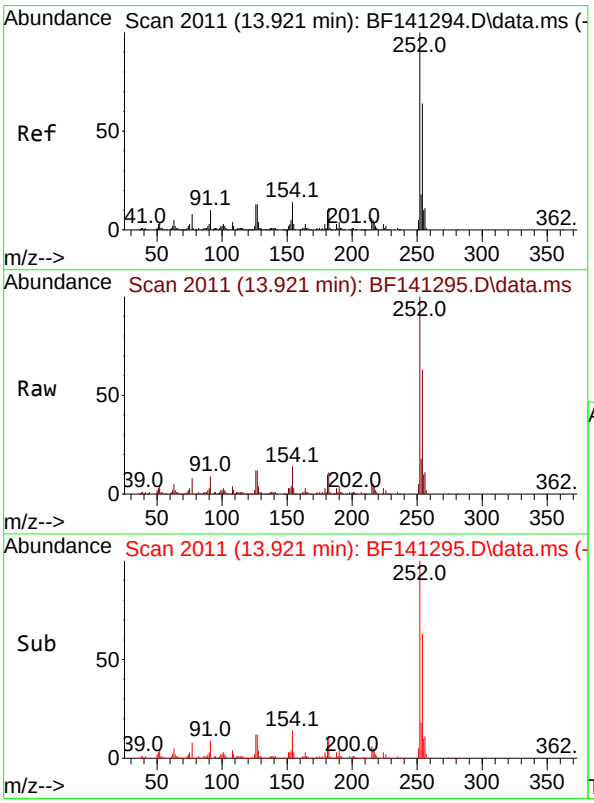
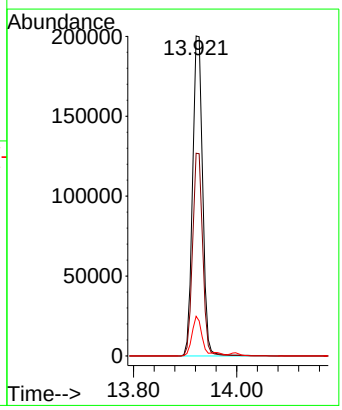
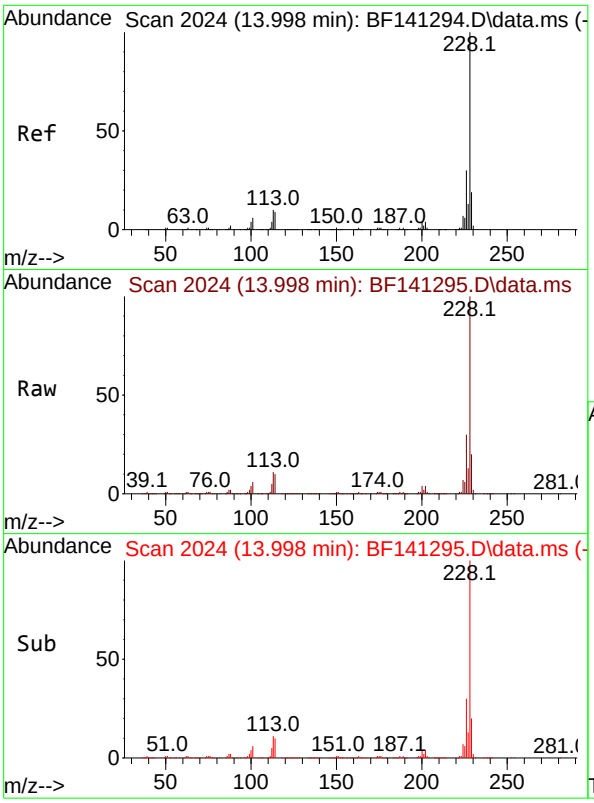


#82
3,3'-Dichlorobenzidine
Concen: 55.645 ng
RT: 13.921 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 270572

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.3	76.9
126	12.4	10.0	15.0

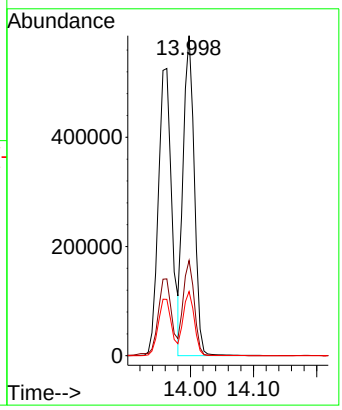




#83
Chrysene
Concen: 49.829 ng
RT: 13.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:228 Resp: 71756

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.1	36.1
229	20.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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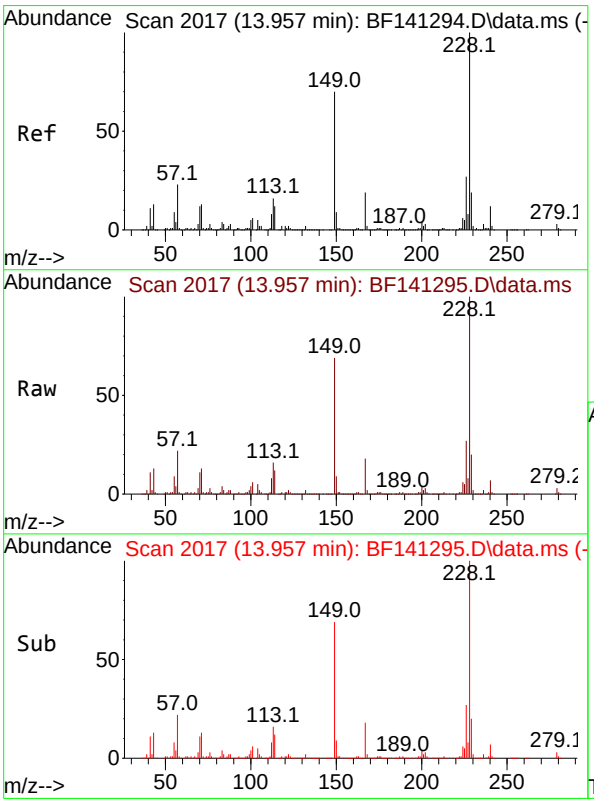
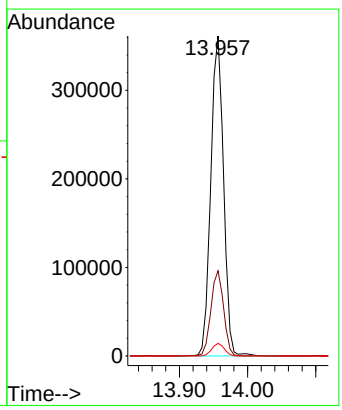
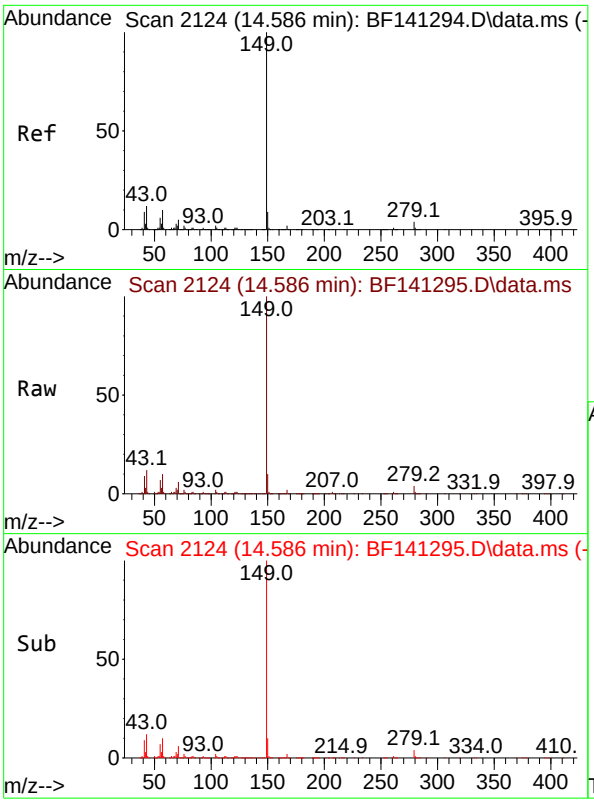


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.620 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 470441

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.8	32.8
279	3.9	3.3	4.9

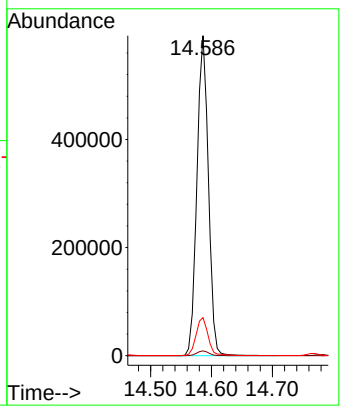




#85
Di-n-octyl phthalate
Concen: 52.127 ng
RT: 14.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:149 Resp: 77303

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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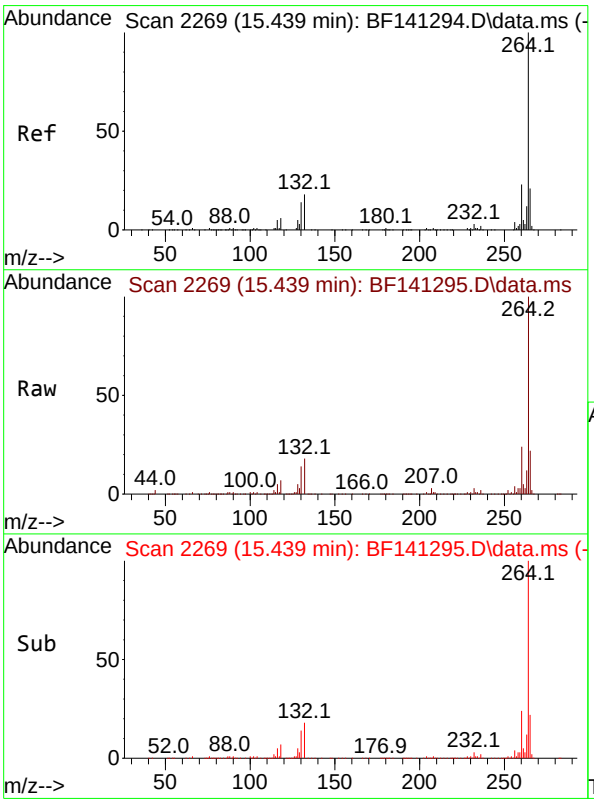
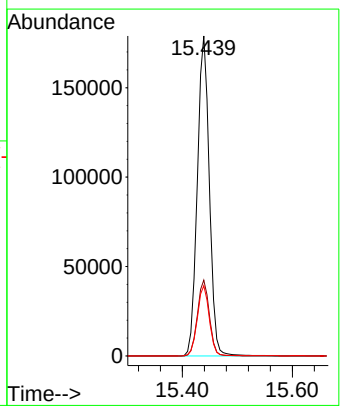
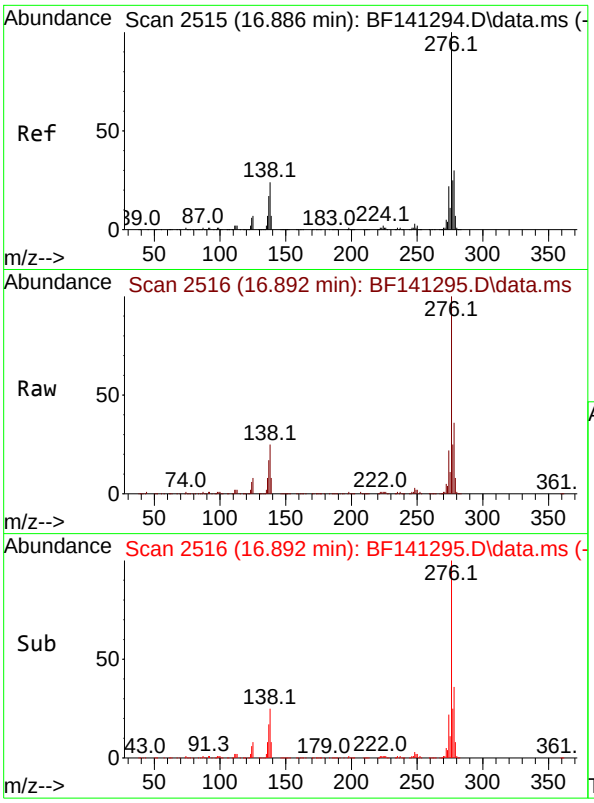


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:264 Resp: 272084

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.0	16.7	25.1

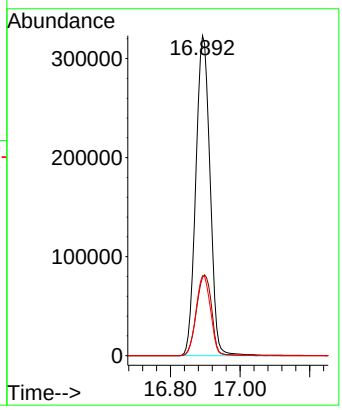




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.584 ng
RT: 16.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 91671

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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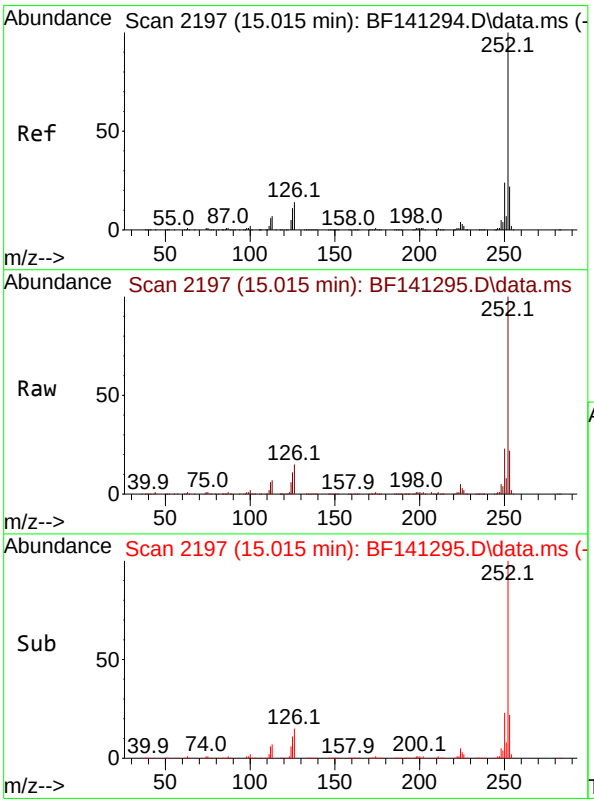
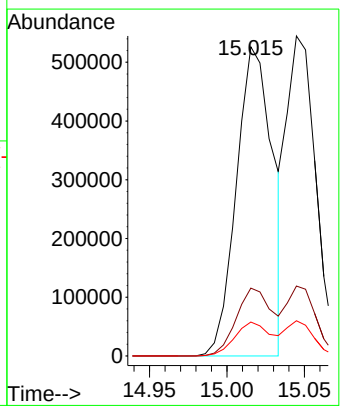
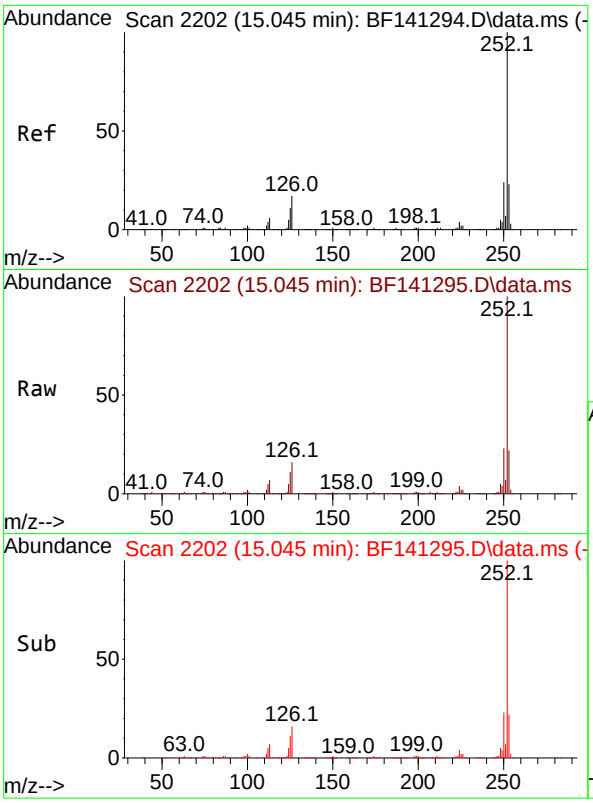


#88
Benzo(b)fluoranthene
Concen: 50.916 ng
RT: 15.015 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 860351

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8

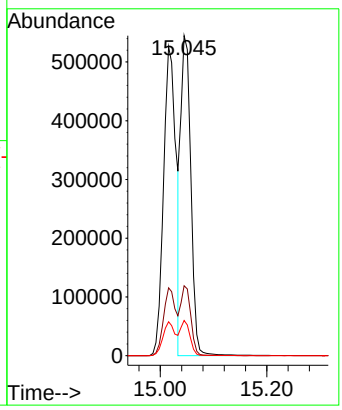




#89
Benzo(k)fluoranthene
Concen: 47.153 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 71350

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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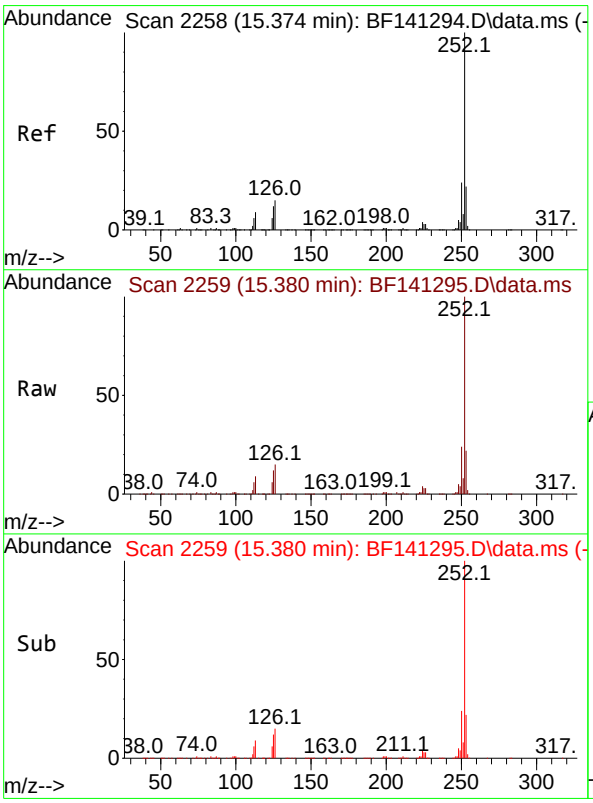
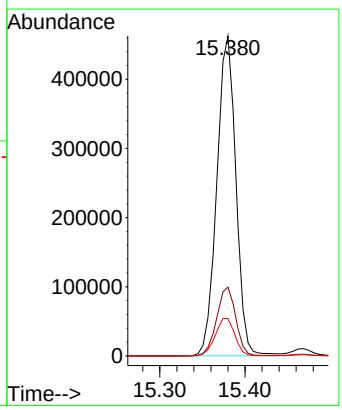
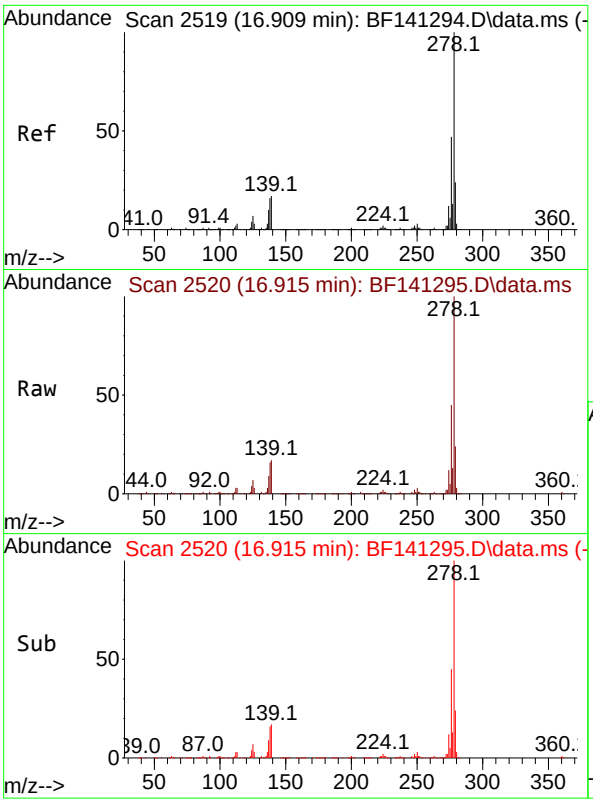


#90
Benzo(a)pyrene
Concen: 49.985 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:252 Resp: 721834

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.7	9.4	14.2

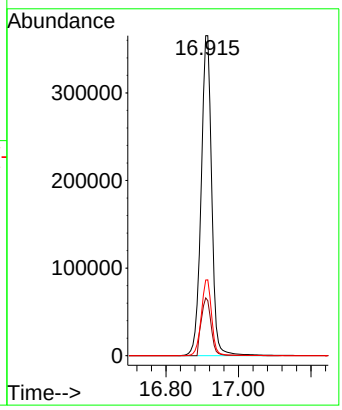




#91
Dibenzo(a,h)anthracene
Concen: 51.907 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:278 Resp: 73939

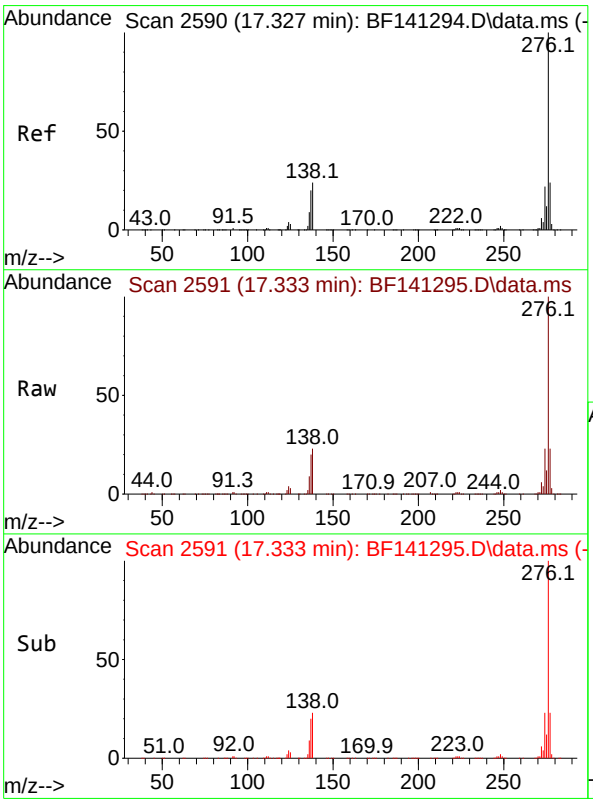
Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

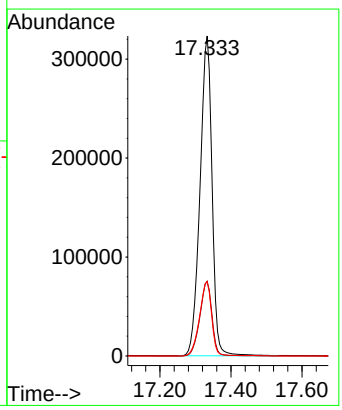
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 50.990 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF141295.D
Acq: 29 Jan 2025 16:11

Tgt Ion:276 Resp: 764064

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.2	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	125203	20.000	ng		0.00
21) Naphthalene-d8	8.086	136	490777	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	260269	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	434671	20.000	ng		0.00
76) Chrysene-d12	13.974	240	225615	20.000	ng		0.00
86) Perylene-d12	15.451	264	265921	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.404	112	952391	113.729	ng		0.00
7) Phenol-d6	6.434	99	1210477	113.542	ng		0.00
23) Nitrobenzene-d5	7.369	82	1098197	115.711	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	279105	113.824	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	1824372	102.411	ng		0.00
79) Terphenyl-d14	12.916	244	1665591	109.453	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.487	88	213805	58.657	ng		99
3) Pyridine	3.216	79	527201	60.698	ng		99
4) n-Nitrosodimethylamine	3.181	42	305314	61.956	ng		99
6) Aniline	6.463	93	506937	55.493	ng	#	89
8) 2-Chlorophenol	6.587	128	509043	56.606	ng		98
9) Benzaldehyde	6.351	77	314238	48.677	ng		98
10) Phenol	6.445	94	640034	56.549	ng		94
11) bis(2-Chloroethyl)ether	6.539	93	499321	58.245	ng		99
12) 1,3-Dichlorobenzene	6.739	146	553756	55.698	ng		99
13) 1,4-Dichlorobenzene	6.816	146	558572	55.945	ng		100
14) 1,2-Dichlorobenzene	6.975	146	513179	54.417	ng		99
15) Benzyl Alcohol	6.945	79	422722	58.473	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	859130	57.194	ng		99
17) 2-Methylphenol	7.057	107	420597	58.211	ng		99
18) Hexachloroethane	7.316	117	210746	57.649	ng		97
19) n-Nitroso-di-n-propyla...	7.222	70	355036	56.162	ng		97
20) 3+4-Methylphenols	7.210	107	496888	54.781	ng		98
22) Acetophenone	7.216	105	651575	53.679	ng		99
24) Nitrobenzene	7.386	77	572234	58.138	ng		99
25) Isophorone	7.622	82	953671	58.383	ng		98
26) 2-Nitrophenol	7.698	139	280785	61.652	ng		99
27) 2,4-Dimethylphenol	7.739	122	350784m	60.006	ng		
28) bis(2-Chloroethoxy)met...	7.833	93	605644	57.853	ng		99
29) 2,4-Dichlorophenol	7.939	162	421748	58.315	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	465841	55.787	ng		99
31) Naphthalene	8.104	128	1475900	54.933	ng		99
32) Benzoic acid	7.863	122	380664m	76.193	ng		
33) 4-Chloroaniline	8.157	127	513149	56.786	ng		99
34) Hexachlorobutadiene	8.222	225	275524	56.533	ng		100
35) Caprolactam	8.533	113	141023	60.337	ng		99
36) 4-Chloro-3-methylphenol	8.633	107	452438	58.389	ng		97
37) 2-Methylnaphthalene	8.792	142	941153	55.126	ng		98
38) 1-Methylnaphthalene	8.892	142	917389	54.632	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	430239	56.609	ng		100
41) Hexachlorocyclopentadiene	8.945	237	141387	66.154	ng		100
43) 2,4,6-Trichlorophenol	9.075	196	288290	58.588	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	314912	59.000	ng	99
46) 1,1'-Biphenyl	9.263	154	1139946	54.084	ng	99
47) 2-Chloronaphthalene	9.286	162	902561	55.247	ng	99
48) 2-Nitroaniline	9.380	65	300339	59.861	ng	98
49) Acenaphthylene	9.698	152	1258733	54.924	ng	100
50) Dimethylphthalate	9.569	163	1012298	56.075	ng	100
51) 2,6-Dinitrotoluene	9.627	165	241241	58.050	ng	98
52) Acenaphthene	9.875	154	921519	56.639	ng	100
53) 3-Nitroaniline	9.792	138	232680	56.245	ng	99
54) 2,4-Dinitrophenol	9.898	184	132244	84.109	ng	95
55) Dibenzofuran	10.045	168	1202027	54.629	ng	99
56) 4-Nitrophenol	9.951	139	190620	66.120	ng	99
57) 2,4-Dinitrotoluene	10.027	165	315221	58.312	ng	97
58) Fluorene	10.386	166	915246	53.236	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	252964	60.106	ng	100
60) Diethylphthalate	10.263	149	983788	55.897	ng	100
61) 4-Chlorophenyl-phenyle...	10.380	204	445841	53.136	ng	99
62) 4-Nitroaniline	10.410	138	242716	61.216	ng	99
63) Azobenzene	10.539	77	996603	56.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	174248	71.103	ng	99
66) n-Nitrosodiphenylamine	10.504	169	800147	55.423	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	286647	57.957	ng	96
68) Hexachlorobenzene	10.933	284	302508	57.366	ng	99
69) Atrazine	11.033	200	306524	66.863	ng	99
70) Pentachlorophenol	11.127	266	194335	65.443	ng	99
71) Phenanthrene	11.351	178	1316980	54.311	ng	100
72) Anthracene	11.404	178	1298334	54.763	ng	99
73) Carbazole	11.557	167	1173330	55.874	ng	99
74) Di-n-butylphthalate	11.892	149	1410222	55.325	ng	100
75) Fluoranthene	12.539	202	1279995	52.878	ng	99
77) Benzidine	12.663	184	490009	67.692	ng	100
78) Pyrene	12.768	202	1284820	57.717	ng	100
80) Butylbenzylphthalate	13.392	149	465533	60.745	ng	99
81) Benzo(a)anthracene	13.962	228	917219	57.742	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	315503	64.819	ng	100
83) Chrysene	14.004	228	841120	58.239	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	564642	57.438	ng	99
85) Di-n-octyl phthalate	14.598	149	951473	64.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.909	276	1054987	61.732	ng	99
88) Benzo(b)fluoranthene	15.033	252	971433	56.615	ng	99
89) Benzo(k)fluoranthene	15.062	252	845842	55.934	ng	100
90) Benzo(a)pyrene	15.392	252	838283	58.588	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	854214	62.119	ng	98
92) Benzo(g,h,i)perylene	17.351	276	881804	61.510	ng	100

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

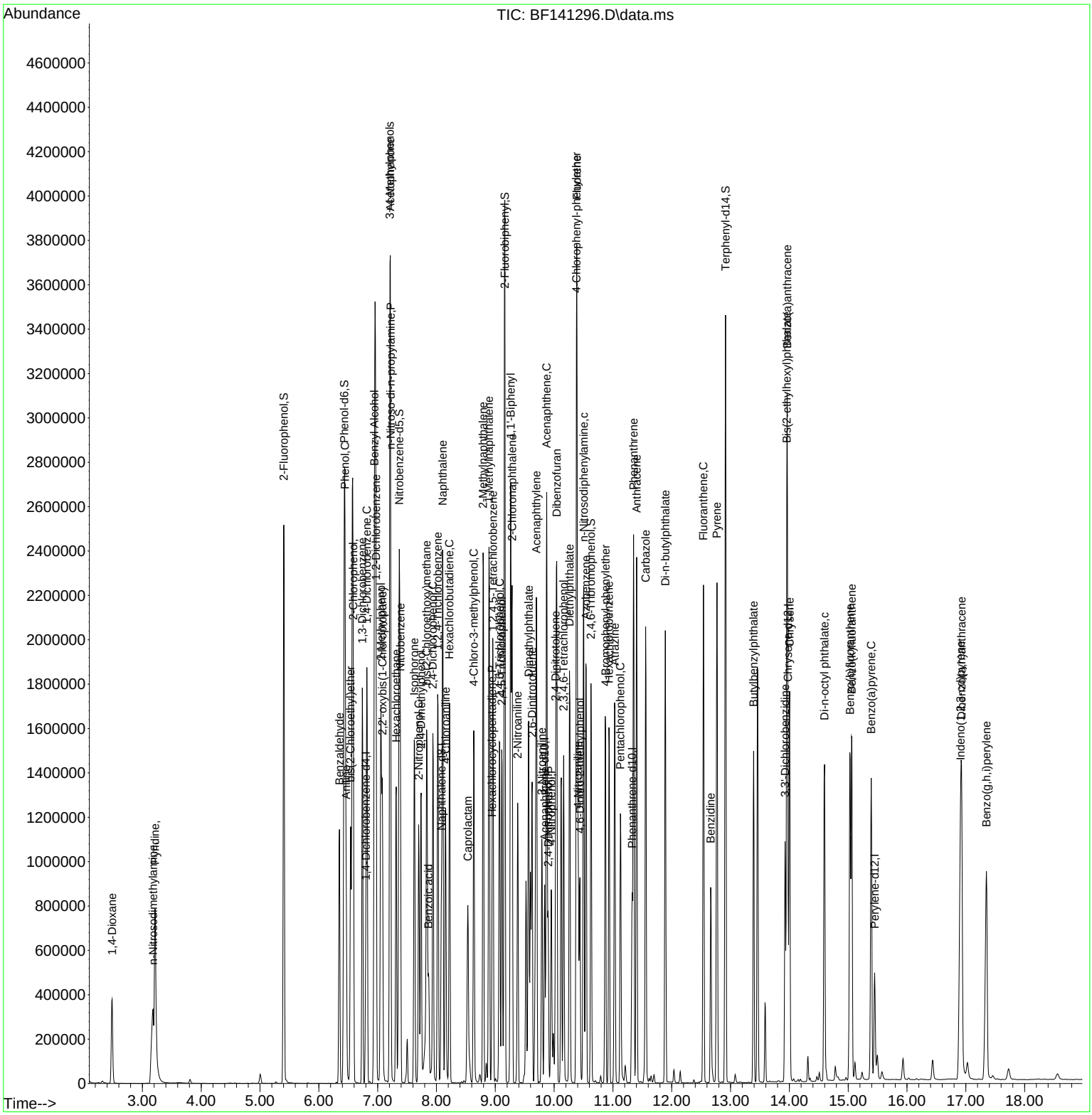
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141296.D
Acq On : 29 Jan 2025 16:38
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

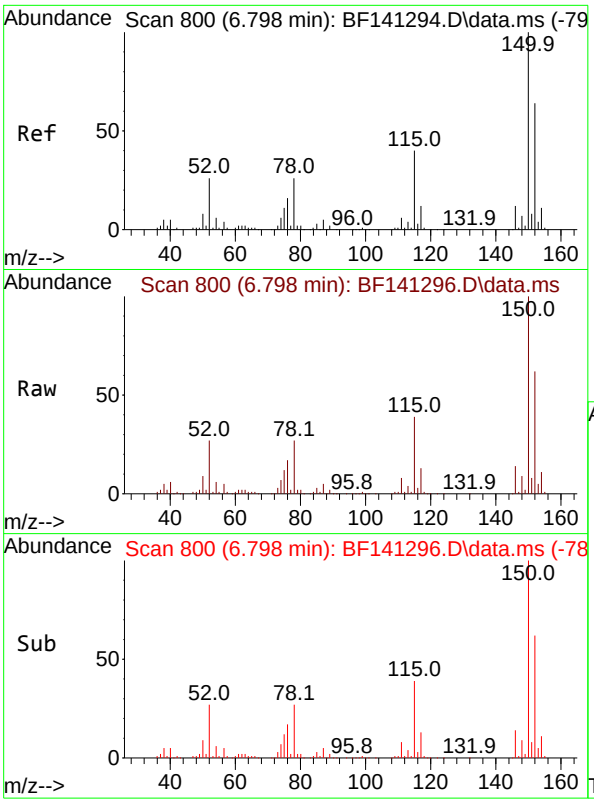
Quant Time: Jan 29 17:20:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:14:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

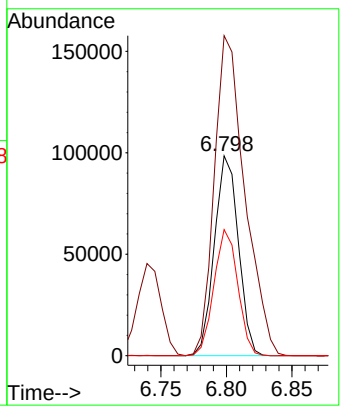




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 12520

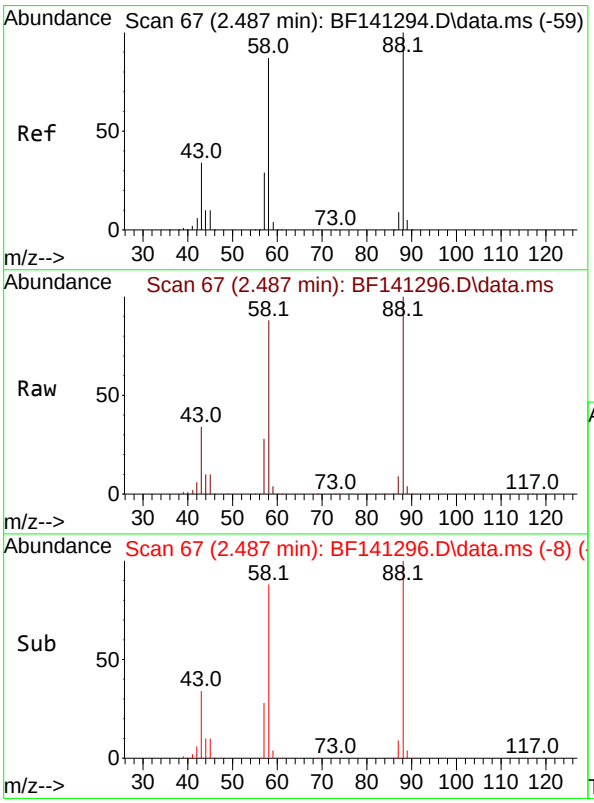
Ion	Ratio	Lower	Upper
152	100		
150	160.2	125.9	188.9
115	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

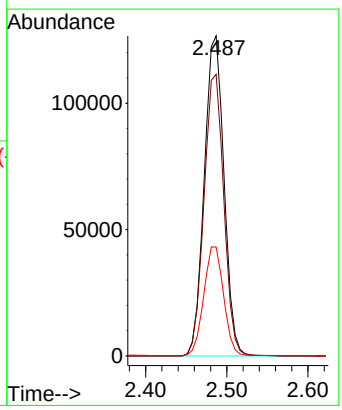
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

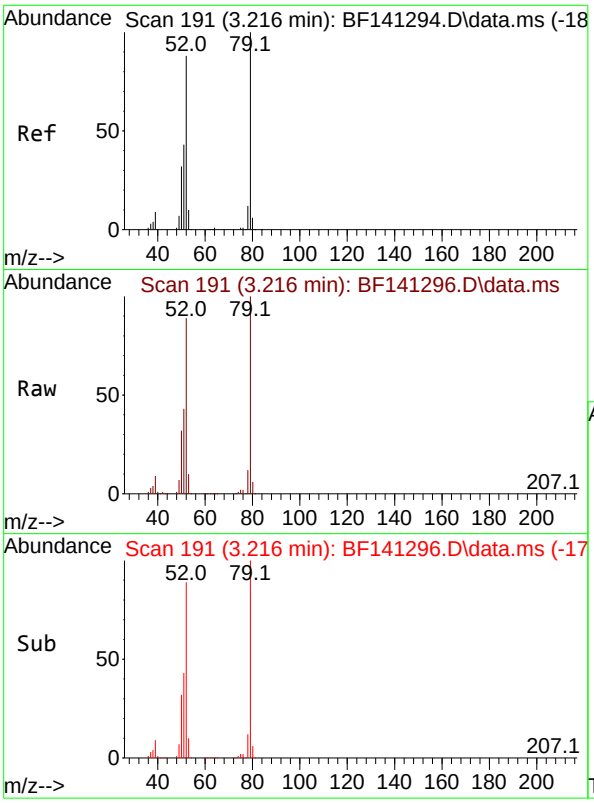


#2
1,4-Dioxane
Concen: 58.657 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 88 Resp: 213805

Ion	Ratio	Lower	Upper
88	100		
58	88.5	70.2	105.4
43	34.0	27.6	41.4

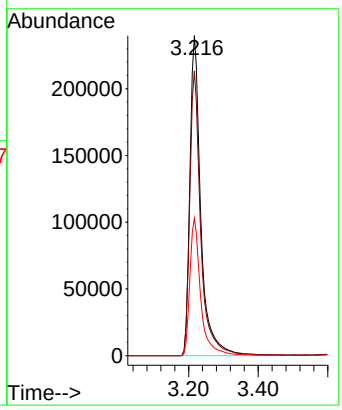




#3
Pyridine
Concen: 60.698 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 52720

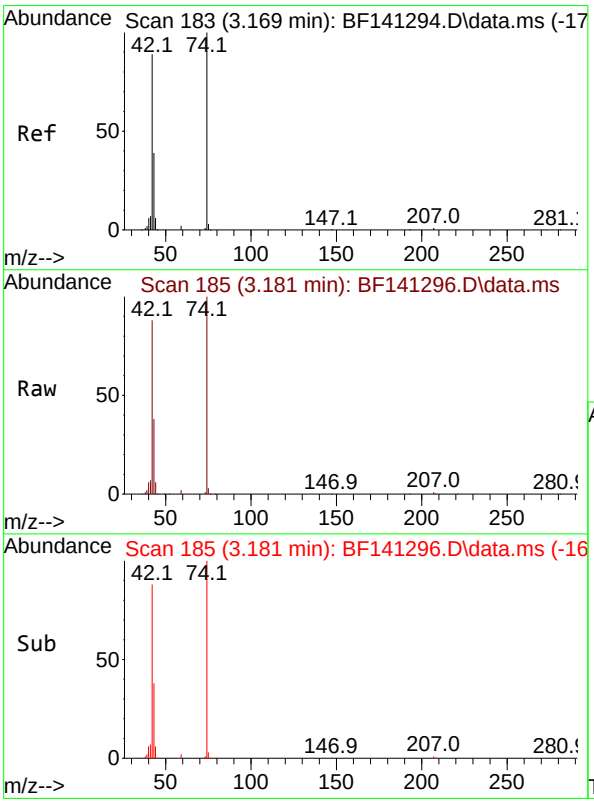
Ion	Ratio	Lower	Upper
79	100		
52	89.0	70.3	105.5
51	42.9	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

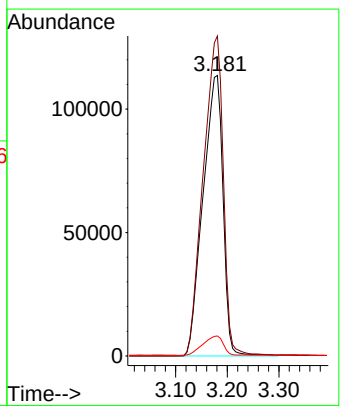
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

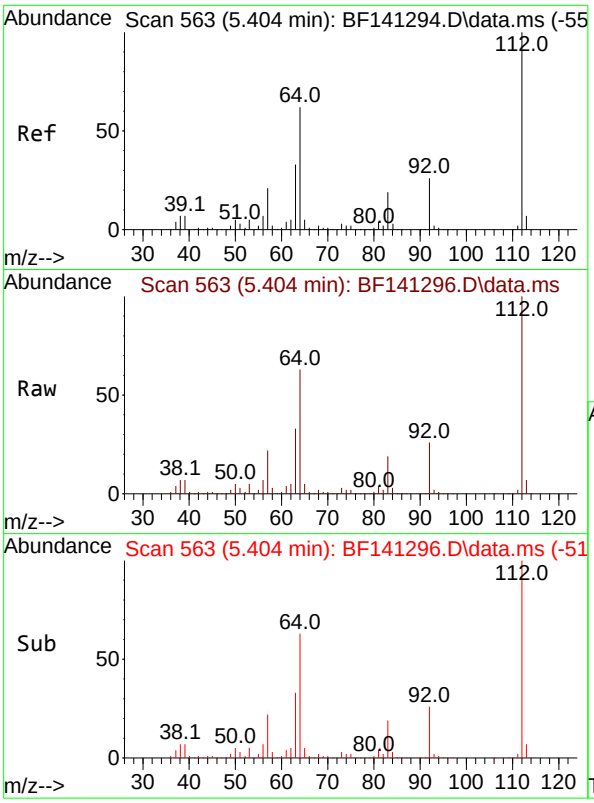


#4
n-Nitrosodimethylamine
Concen: 61.956 ng
RT: 3.181 min Scan# 185
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 42 Resp: 305314

Ion	Ratio	Lower	Upper
42	100		
74	114.1	90.3	135.5
44	7.2	5.7	8.5

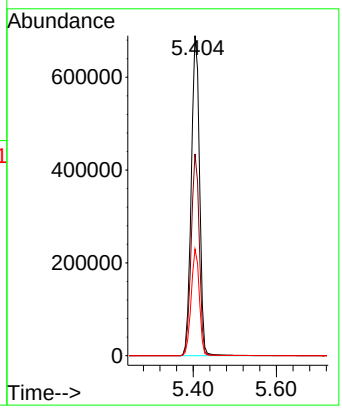




#5
2-Fluorophenol
Concen: 113.729 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:112 Resp: 95239

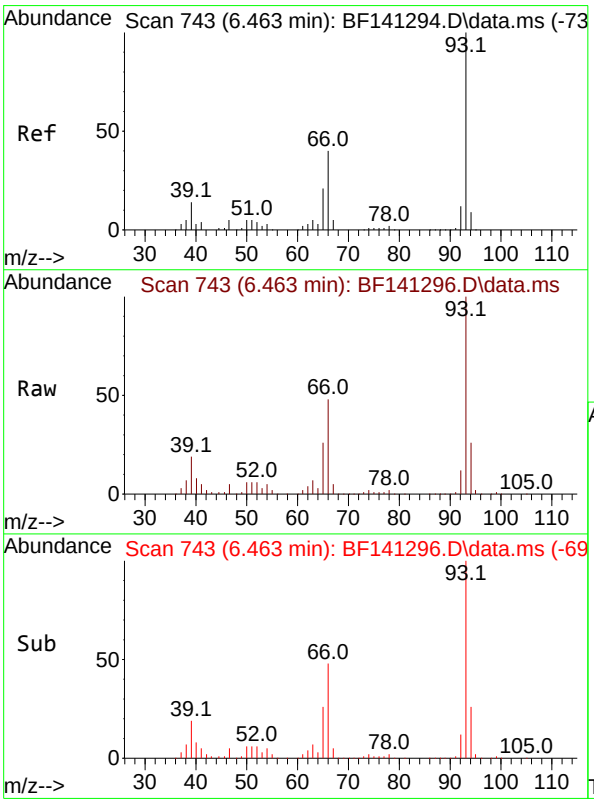
Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

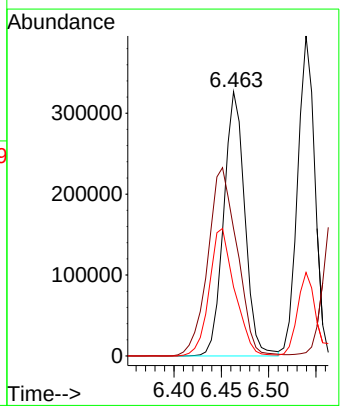
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

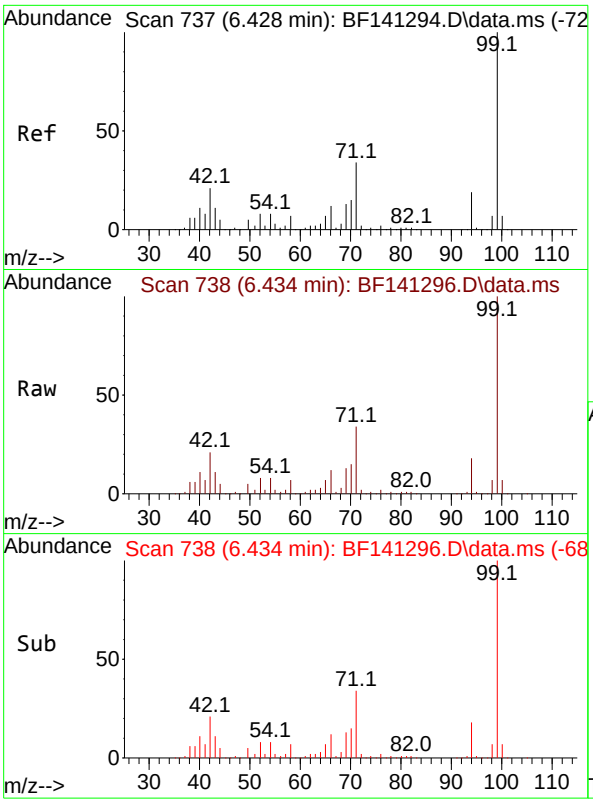


#6
Aniline
Concen: 55.493 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 506937

Ion	Ratio	Lower	Upper
93	100		
66	48.2	32.5	48.7
65	26.1	17.0	25.6#

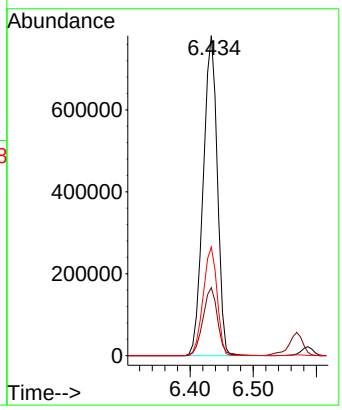




#7
Phenol-d6
Concen: 113.542 ng
RT: 6.434 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 99 Resp: 121047

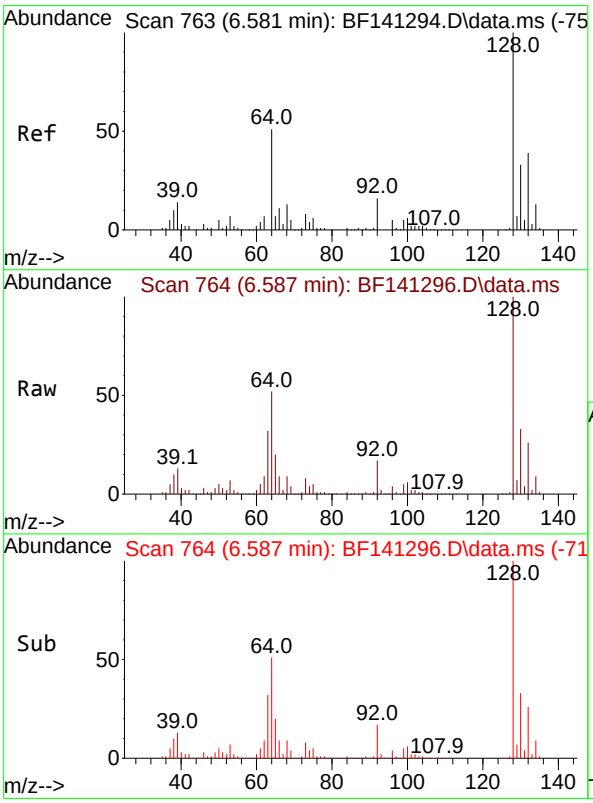
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.9	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

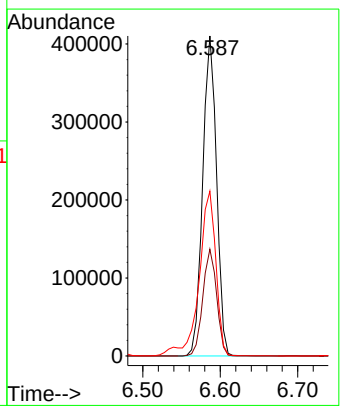
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

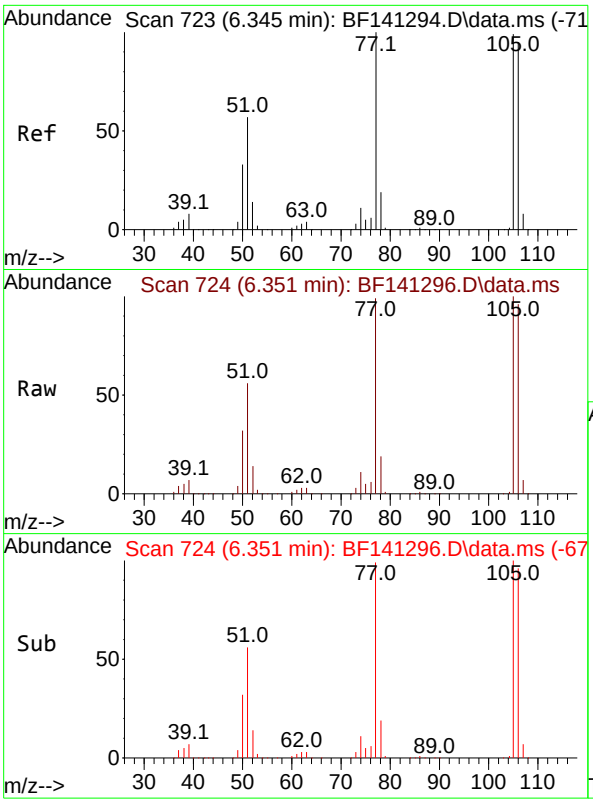


#8
2-Chlorophenol
Concen: 56.606 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 509043

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	51.5	32.9	72.9

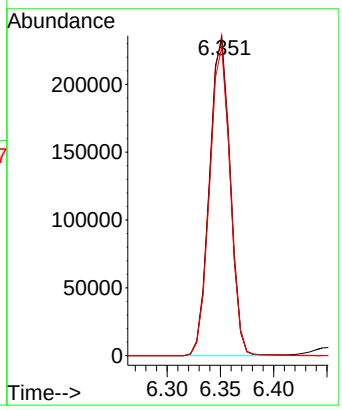




#9
Benzaldehyde
Concen: 48.677 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 31423

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.4	119.4
106	97.6	74.6	114.6



Instrument :
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ClientSampleId :
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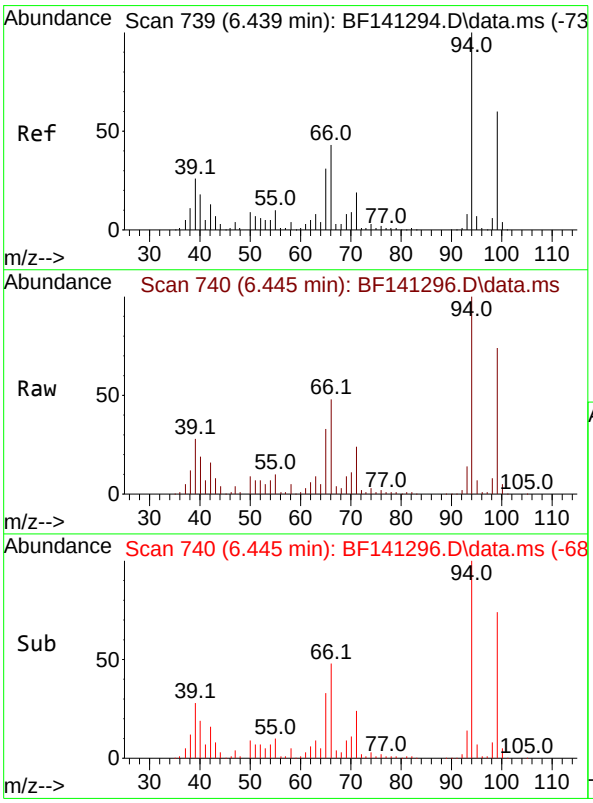
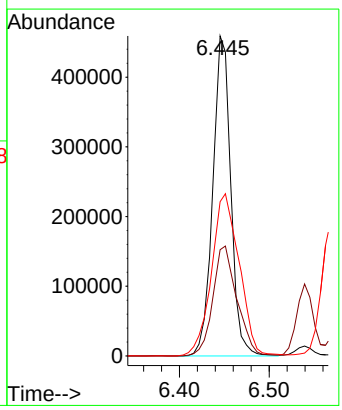
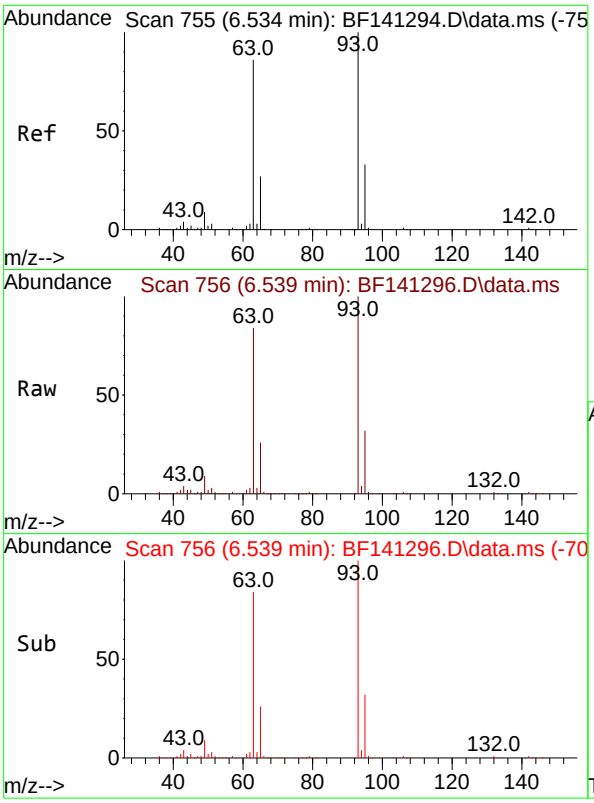


#10
Phenol
Concen: 56.549 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 94 Resp: 640034

Ion	Ratio	Lower	Upper
94	100		
65	33.2	10.8	50.8
66	48.2	23.3	63.3





#11
bis(2-Chloroethyl)ether
Concen: 58.245 ng
RT: 6.539 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 49932

Ion	Ratio	Lower	Upper
93	100		
63	83.9	65.0	105.0
95	32.3	12.4	52.4

Instrument :
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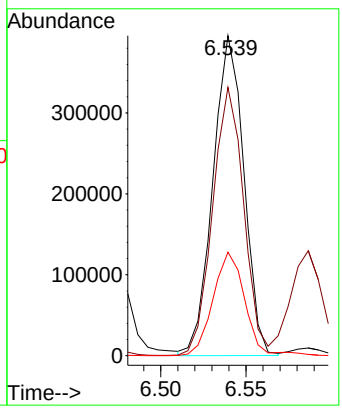
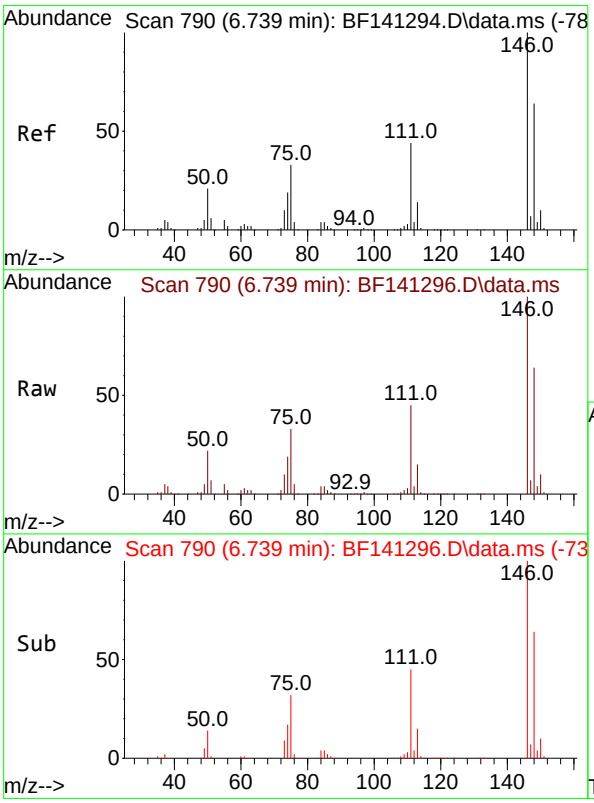
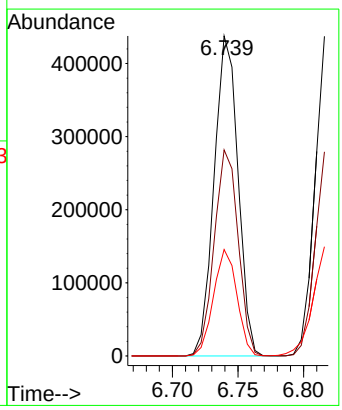


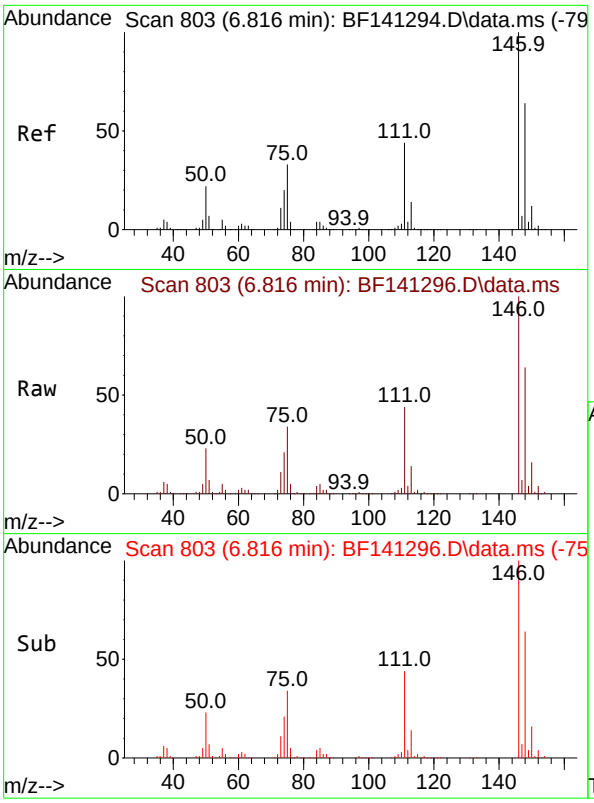


#12
1,3-Dichlorobenzene
Concen: 55.698 ng
RT: 6.739 min Scan# 790
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 553756

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
75	33.2	26.2	39.4

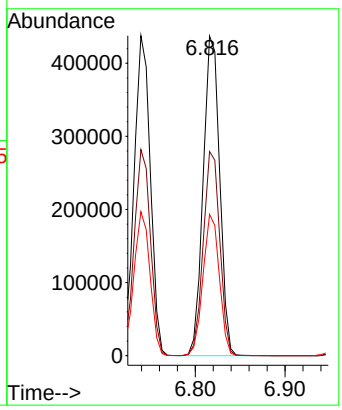




#13
1,4-Dichlorobenzene
Concen: 55.945 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 55857

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.2	76.8
111	44.2	35.0	52.4



Instrument :
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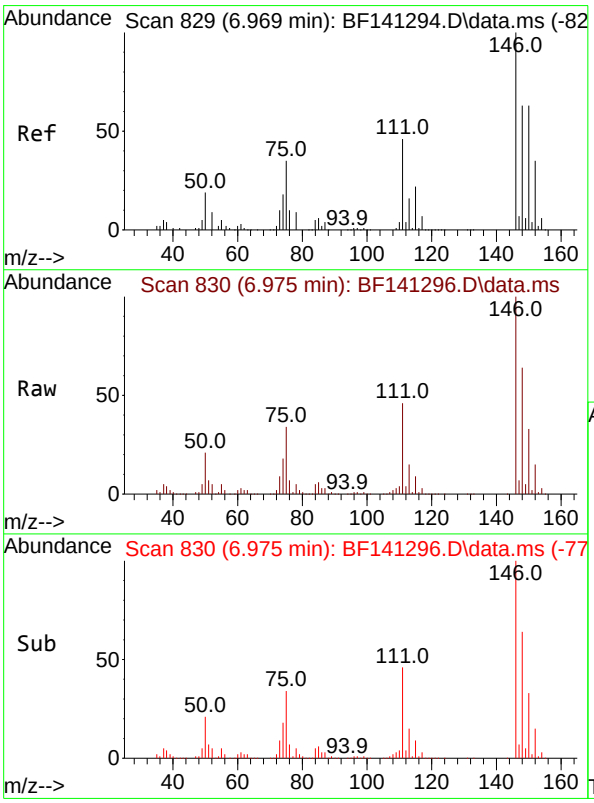
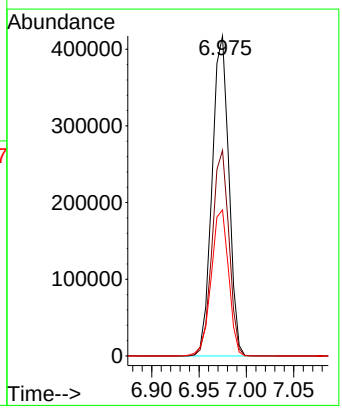
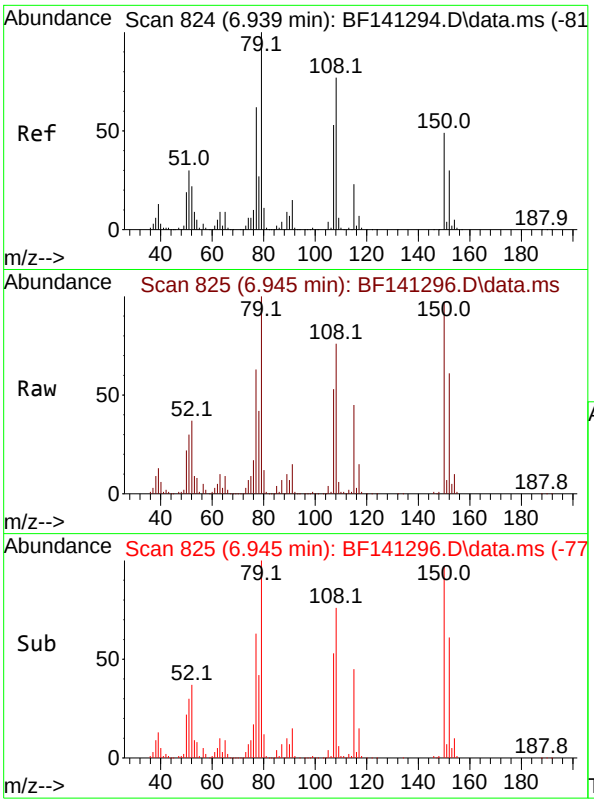


#14
1,2-Dichlorobenzene
Concen: 54.417 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:146 Resp: 513179

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	45.7	36.6	55.0





#15
Benzyl Alcohol
Concen: 58.473 ng
RT: 6.945 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 79 Resp: 42272

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.4	92.0
77	63.3	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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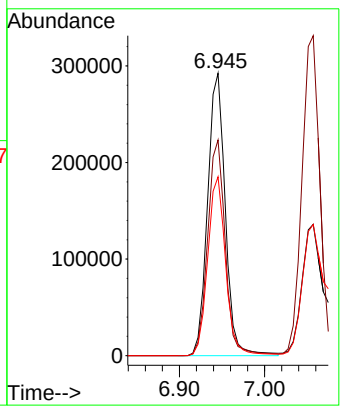
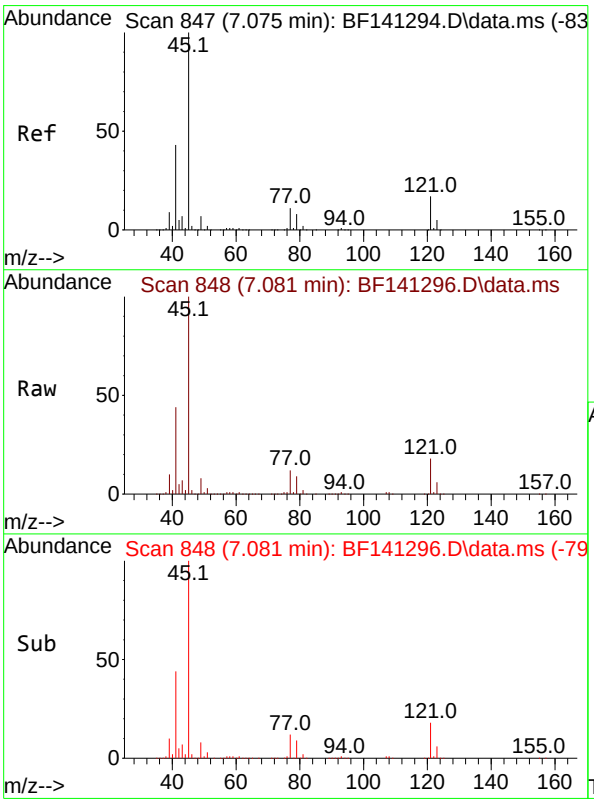
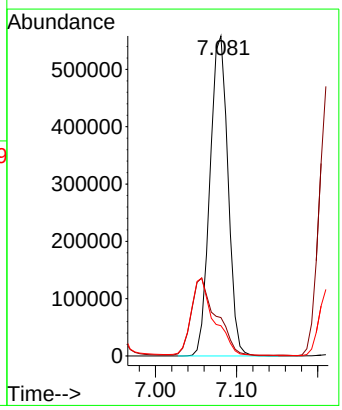


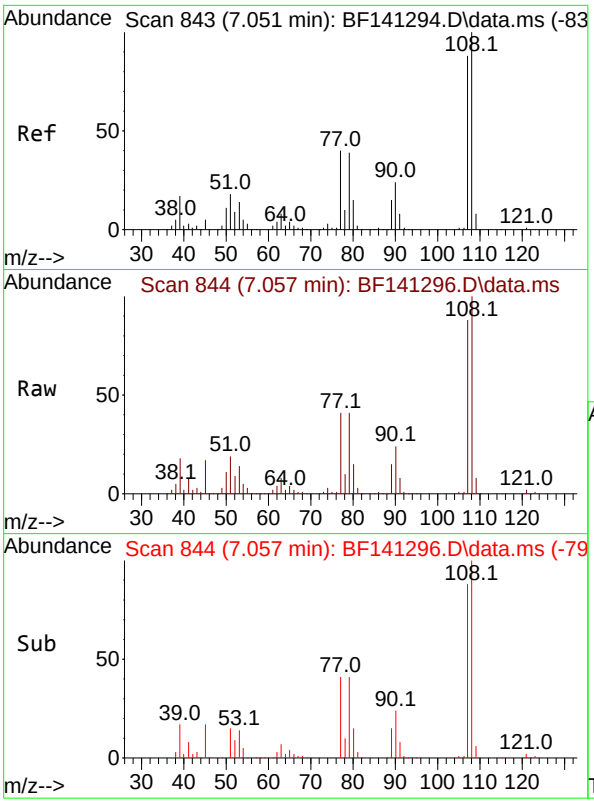


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.194 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 45 Resp: 859130

Ion	Ratio	Lower	Upper
45	100		
77	12.0	0.0	31.8
79	9.4	0.0	29.1

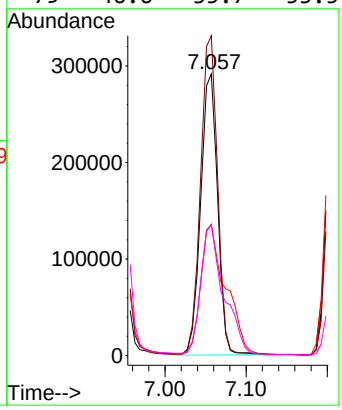




#17
2-Methylphenol
Concen: 58.211 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 42059

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.8	136.2
77	46.6	36.2	54.4
79	46.6	35.7	53.5



Instrument :
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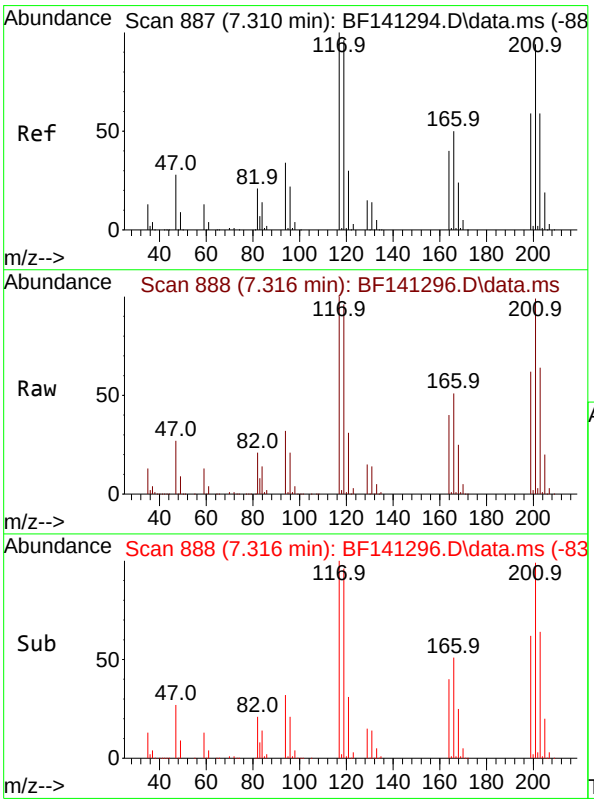
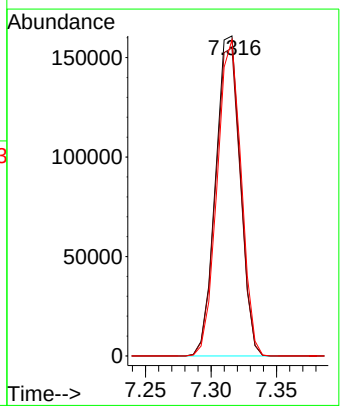
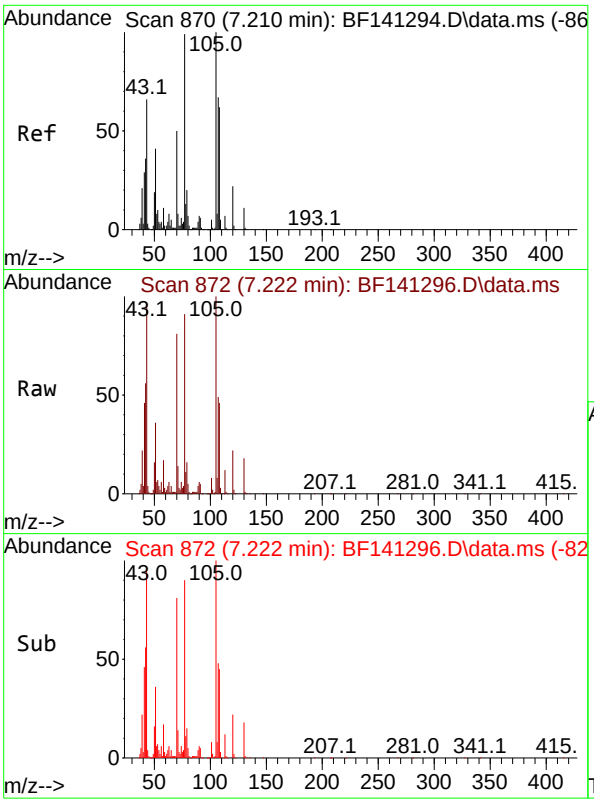


#18
Hexachloroethane
Concen: 57.649 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:117 Resp: 210746

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	114.8
201	98.8	74.8	112.2

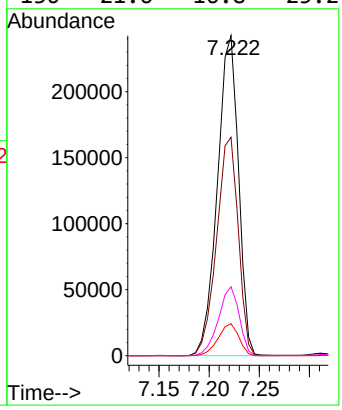




#19
n-Nitroso-di-n-propylamine
Concen: 56.162 ng
RT: 7.222 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 70 Resp: 35503

Ion	Ratio	Lower	Upper
70	100		
42	68.3	56.8	85.2
101	10.0	7.7	11.5
130	21.6	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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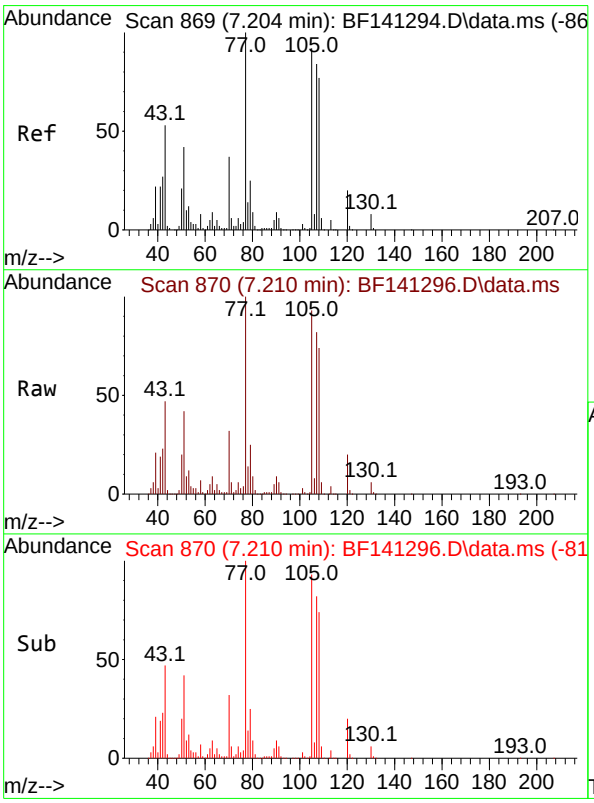
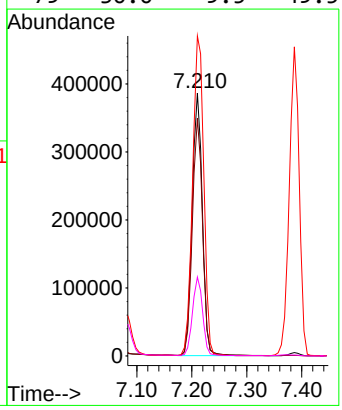
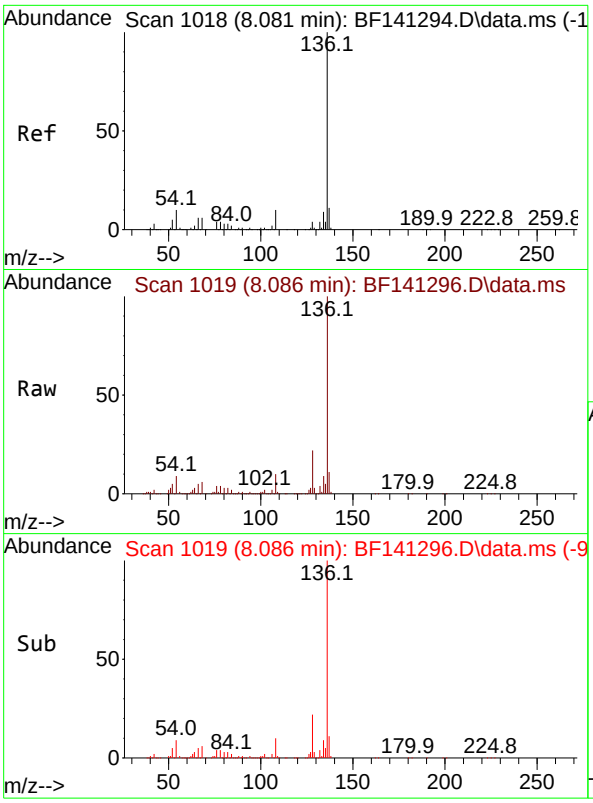


#20
3+4-Methylphenols
Concen: 54.781 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 496888

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.9	110.9
77	121.7	98.5	138.5
79	30.0	9.5	49.5

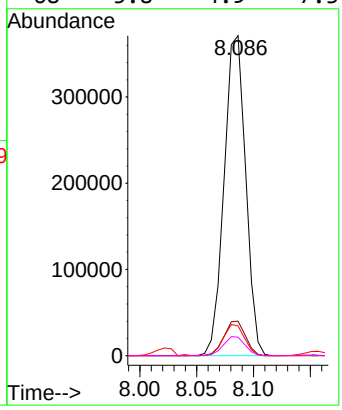




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:136 Resp: 49077

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.3	7.8	11.8
68	5.8	4.9	7.3



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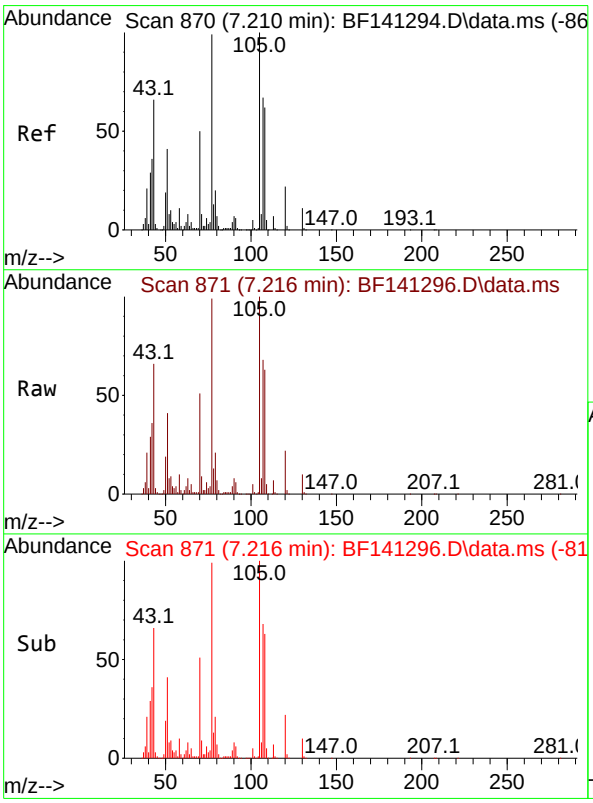
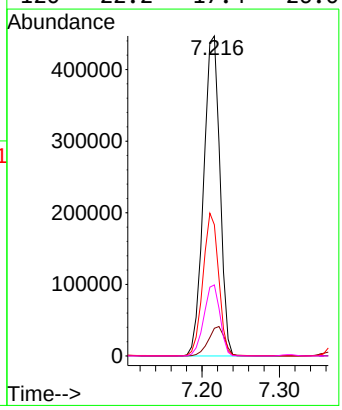
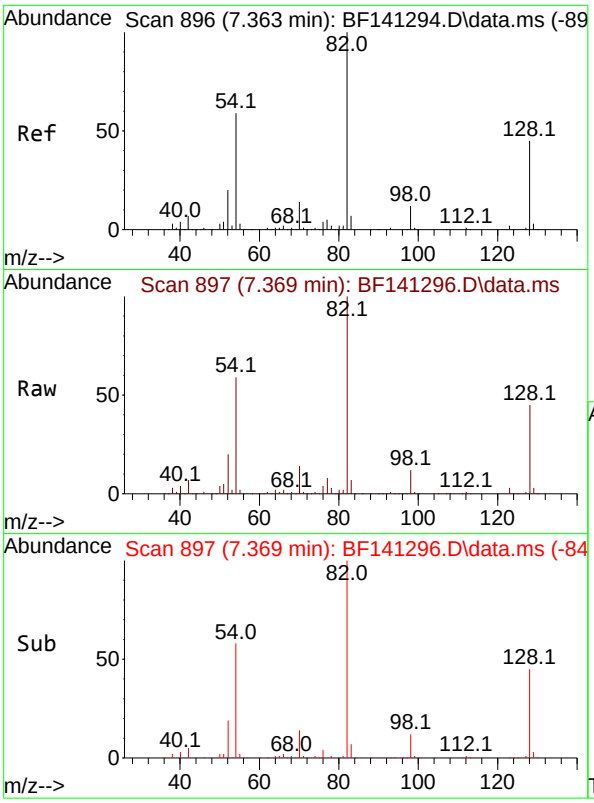


#22
Acetophenone
Concen: 53.679 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:105 Resp: 651575

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.8	10.2
51	41.0	32.6	49.0
120	22.2	17.4	26.0

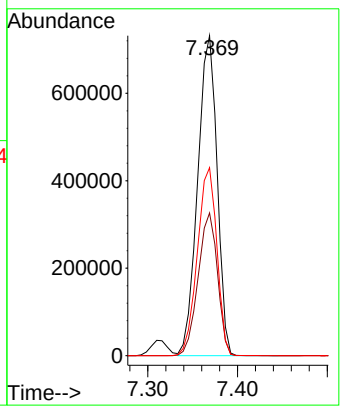




#23
Nitrobenzene-d5
Concen: 115.711 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 109819

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7



Instrument :
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ClientSampleId :
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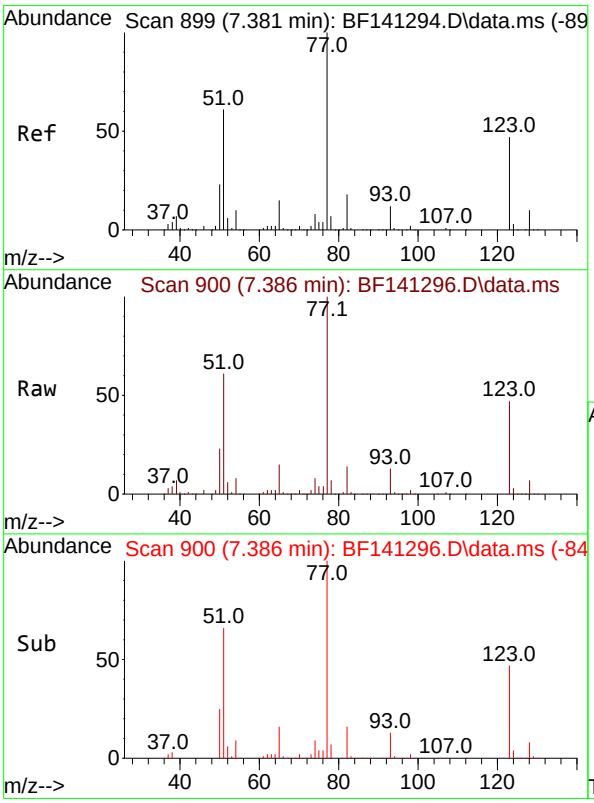
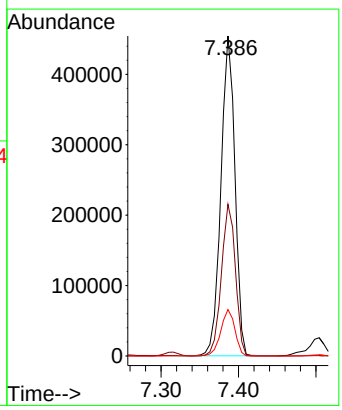
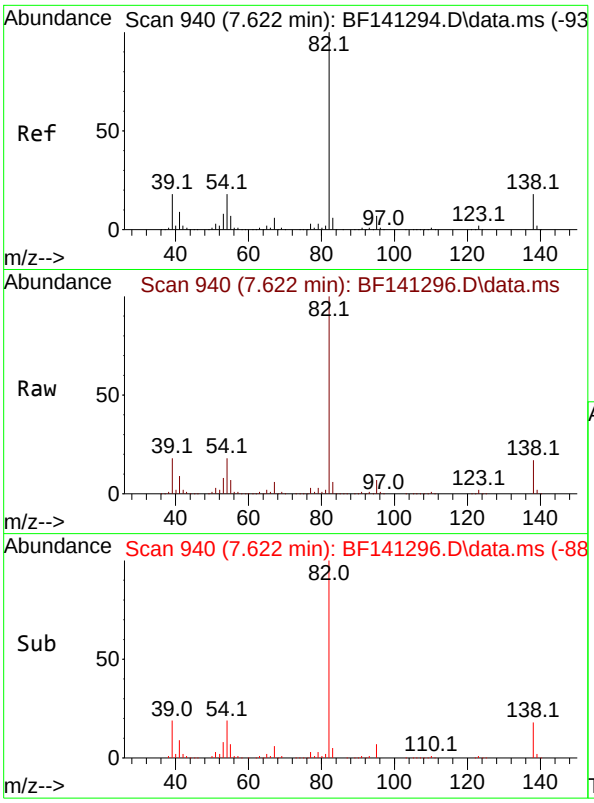


#24
Nitrobenzene
Concen: 58.138 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 572234

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.3	55.9
65	14.5	11.8	17.6

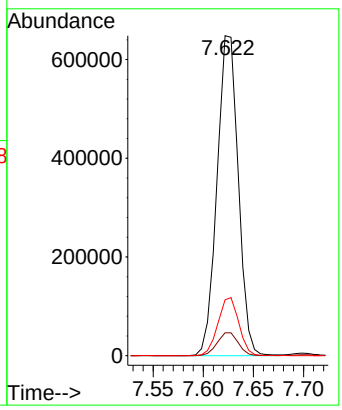




#25
Isophorone
Concen: 58.383 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 82 Resp: 95367

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	17.5	14.7	22.1



Instrument :
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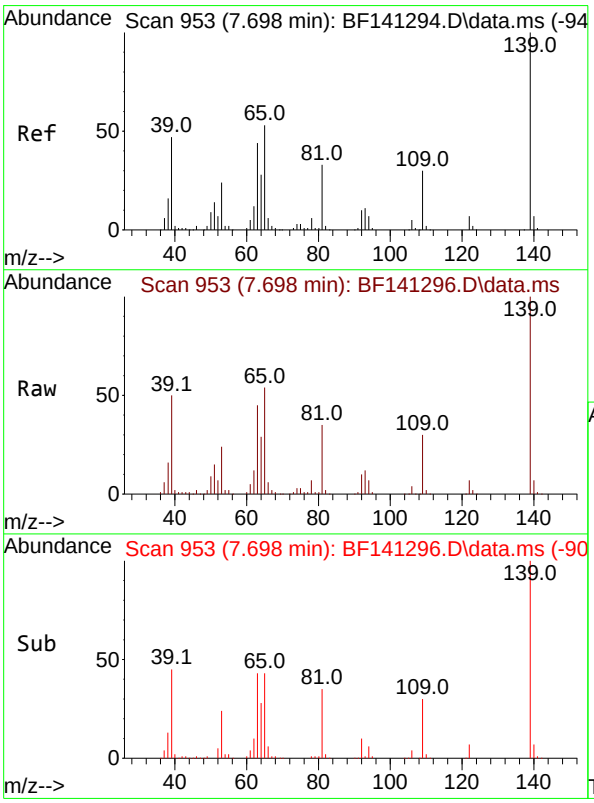
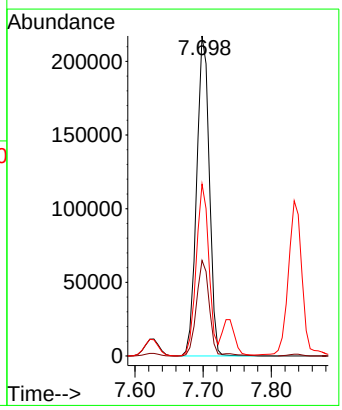
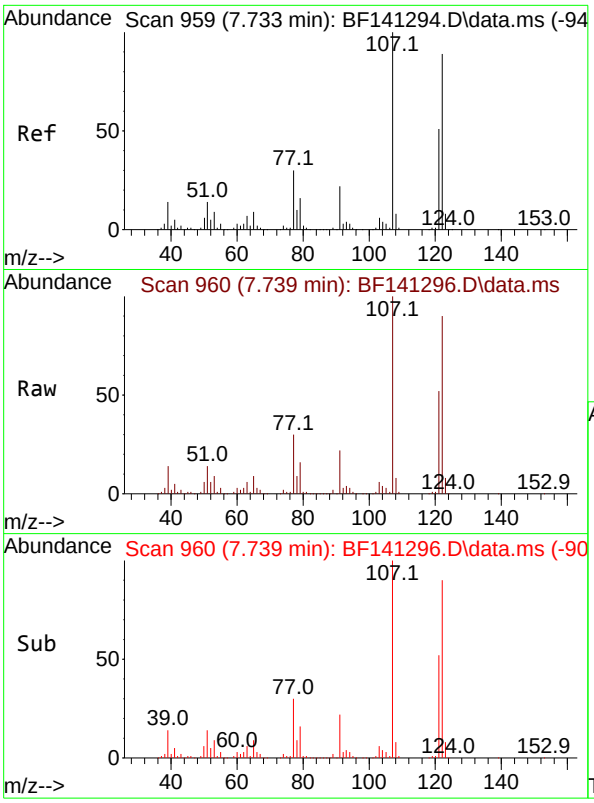


#26
2-Nitrophenol
Concen: 61.652 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 280785

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.8	35.6
65	53.7	42.2	63.4

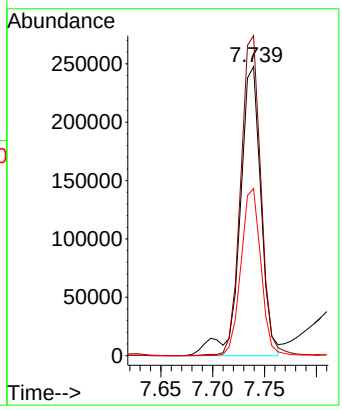




#27
2,4-Dimethylphenol
Concen: 60.006 ng m
RT: 7.739 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 35078

Ion	Ratio	Lower	Upper
122	100		
107	110.7	89.9	134.9
121	57.8	46.1	69.1



Instrument :
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ClientSampleId :
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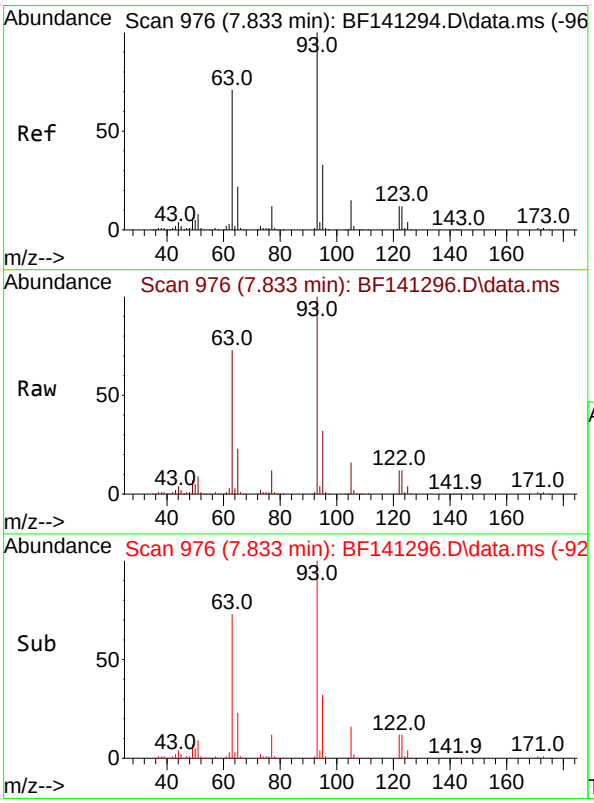
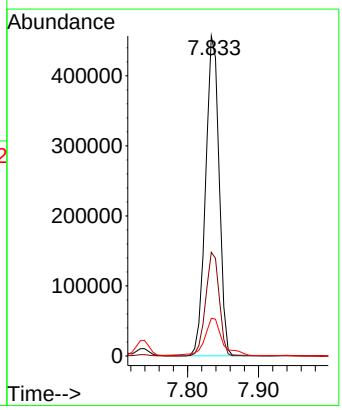
Supervised By :mohammad ahmed 02/04/2025

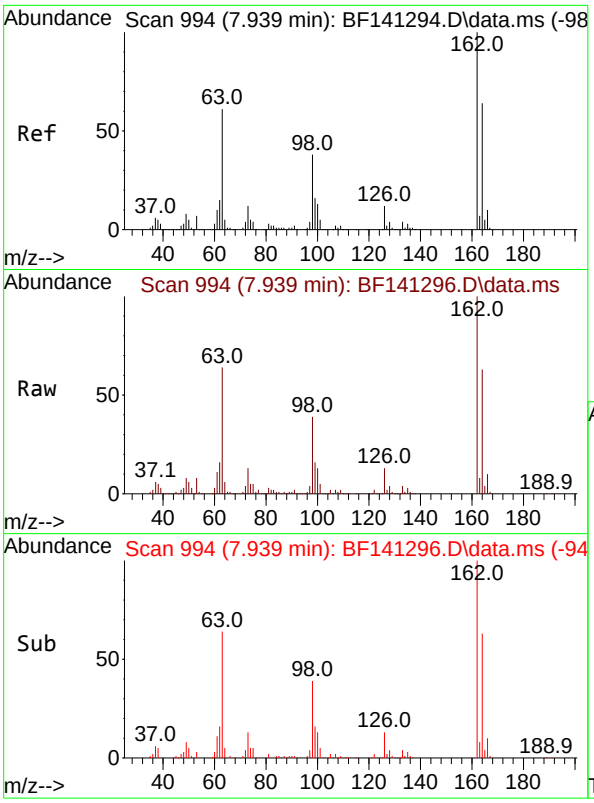


#28
bis(2-Chloroethoxy)methane
Concen: 57.853 ng
RT: 7.833 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 93 Resp: 605644

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.2
123	11.8	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 58.315 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 42174

Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.2	84.2
98	38.9	18.2	58.2

Instrument :
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ClientSampleId :
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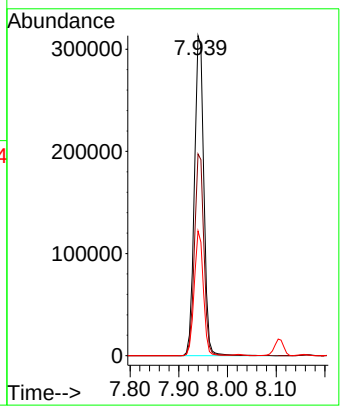
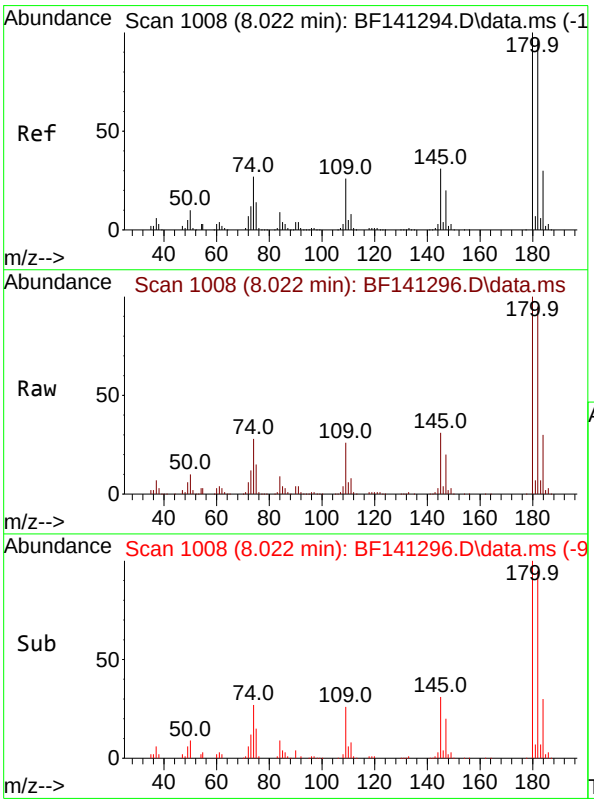
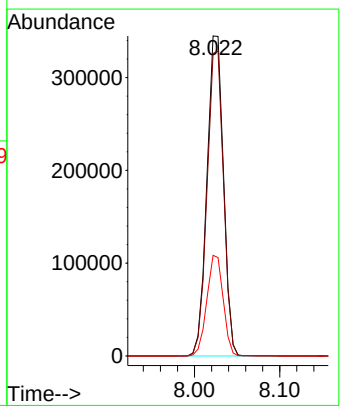


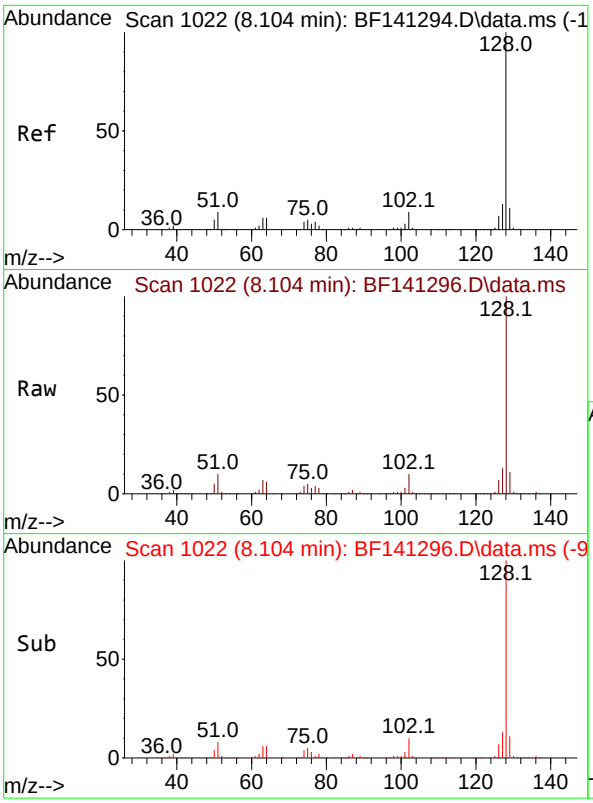


#30
1,2,4-Trichlorobenzene
Concen: 55.787 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:180 Resp: 465841

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.4	114.6
145	31.4	24.9	37.3

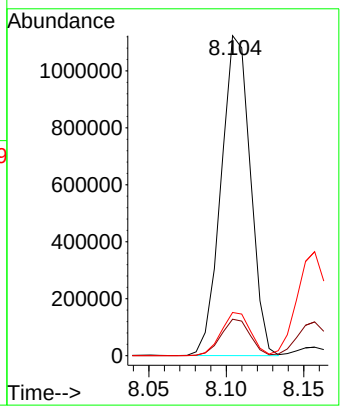




#31
Naphthalene
Concen: 54.933 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:128 Resp: 147590(

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.9	13.3
127	13.5	10.6	15.8



Instrument :
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ClientSampleId :
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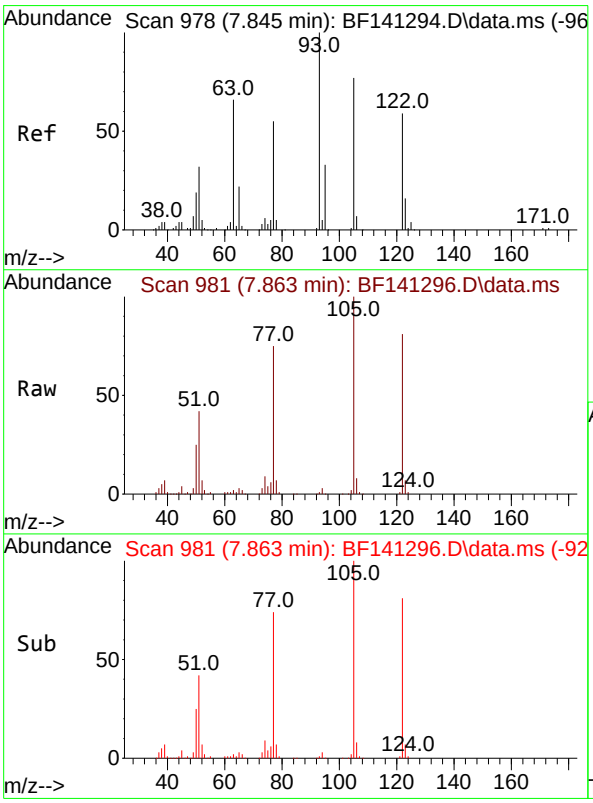
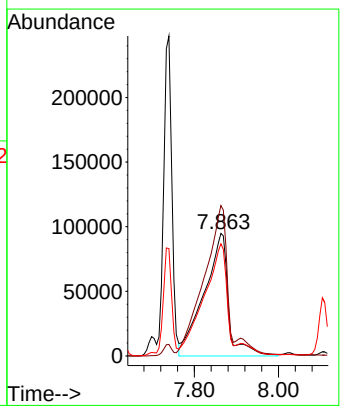
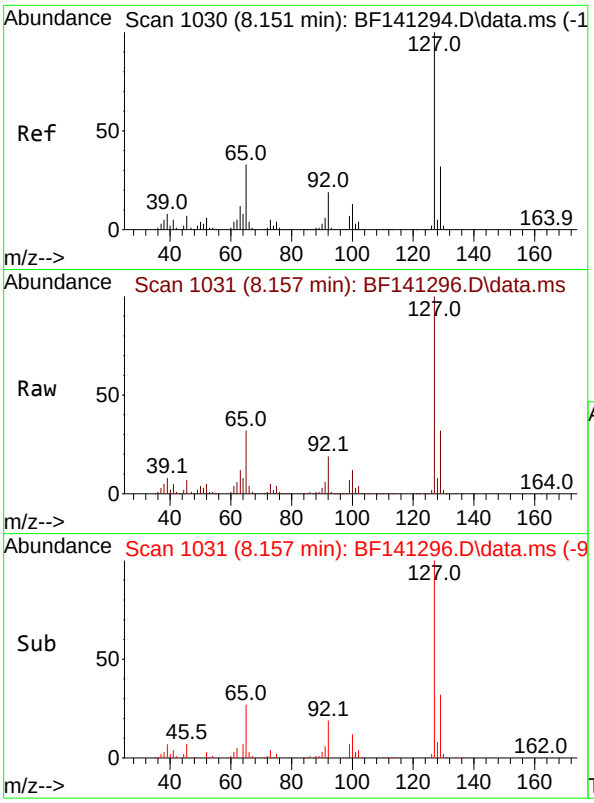


#32
Benzoic acid
Concen: 76.193 ng m
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:122 Resp: 380664

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.4	143.4
77	91.6	70.9	110.9

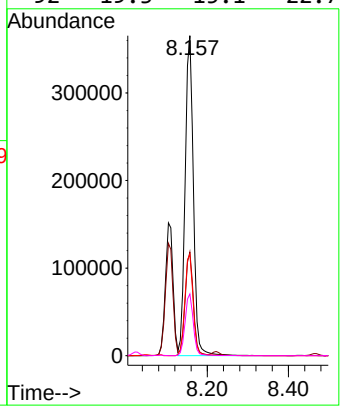




#33
4-Chloroaniline
Concen: 56.786 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:127 Resp: 51314

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	31.7	26.4	39.6
92	19.3	15.1	22.7



Instrument :
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ClientSampleId :
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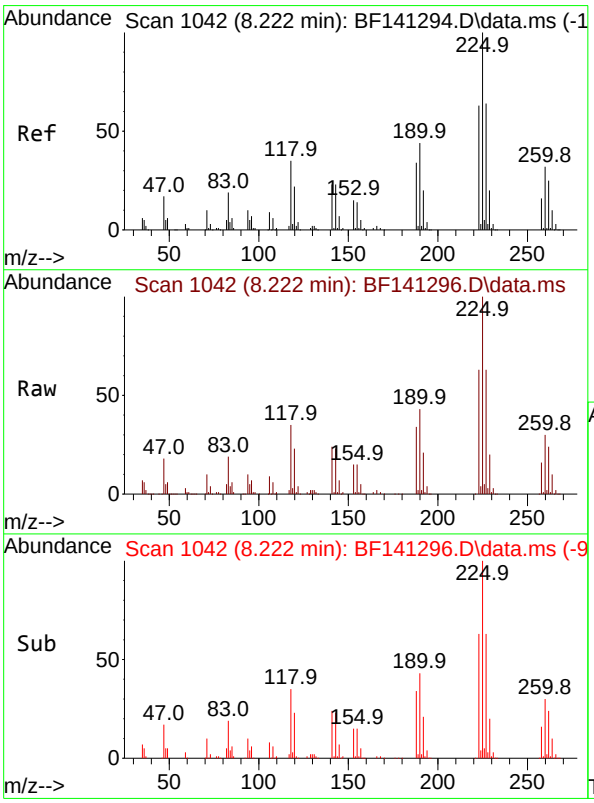
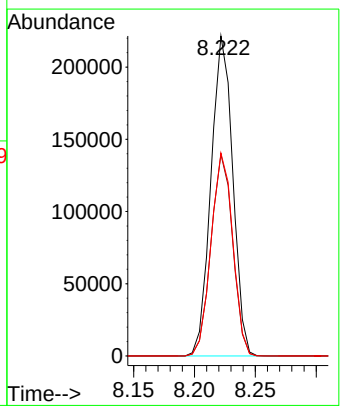
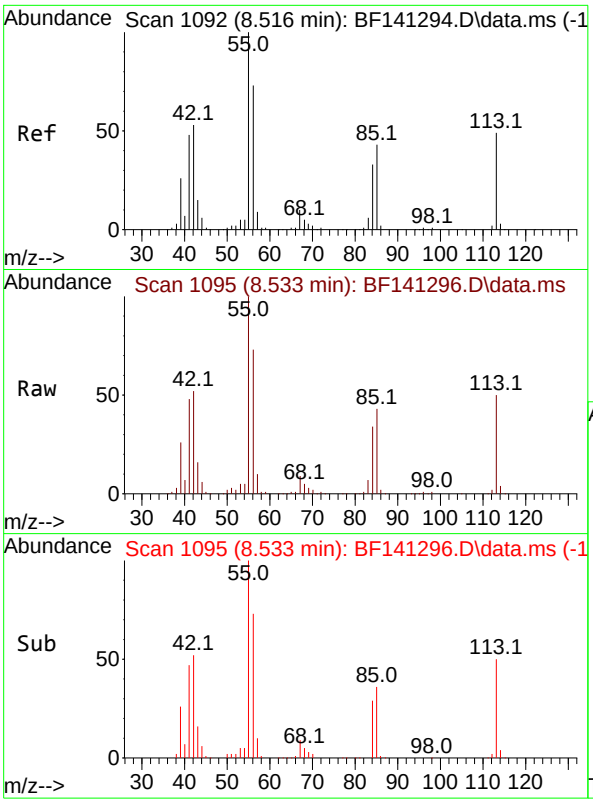


#34
Hexachlorobutadiene
Concen: 56.533 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:225 Resp: 275524

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.4	51.3	76.9

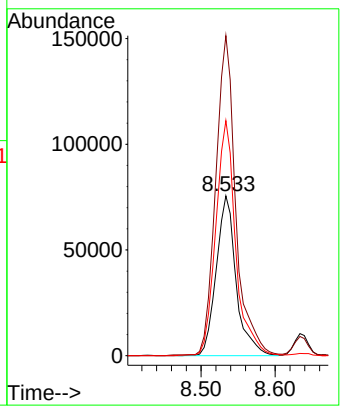




#35
Caprolactam
Concen: 60.337 ng
RT: 8.533 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:113 Resp: 14102

Ion	Ratio	Lower	Upper
113	100		
55	200.2	182.9	222.9
56	147.0	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
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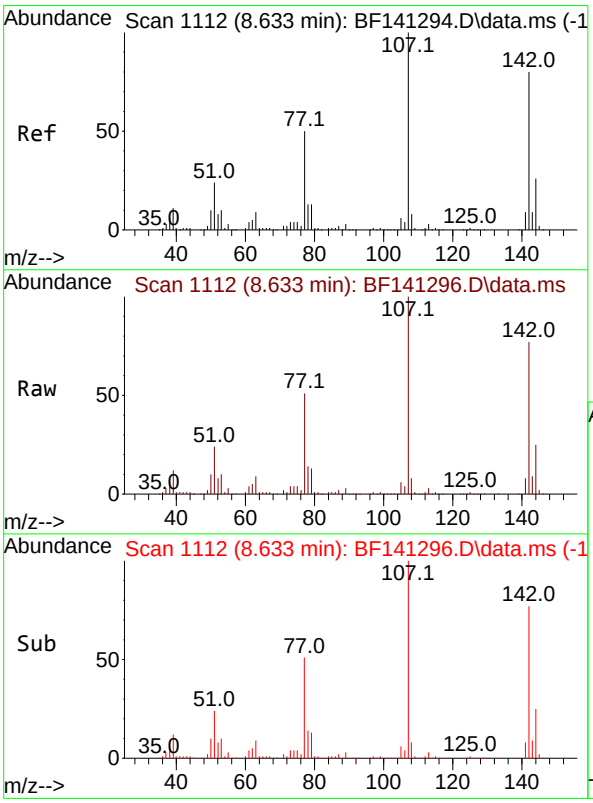
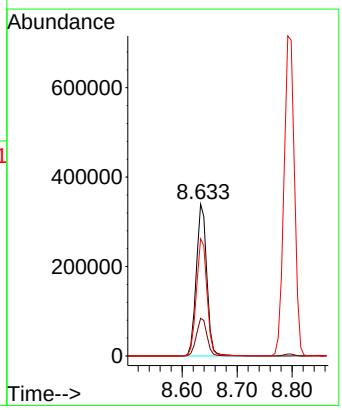
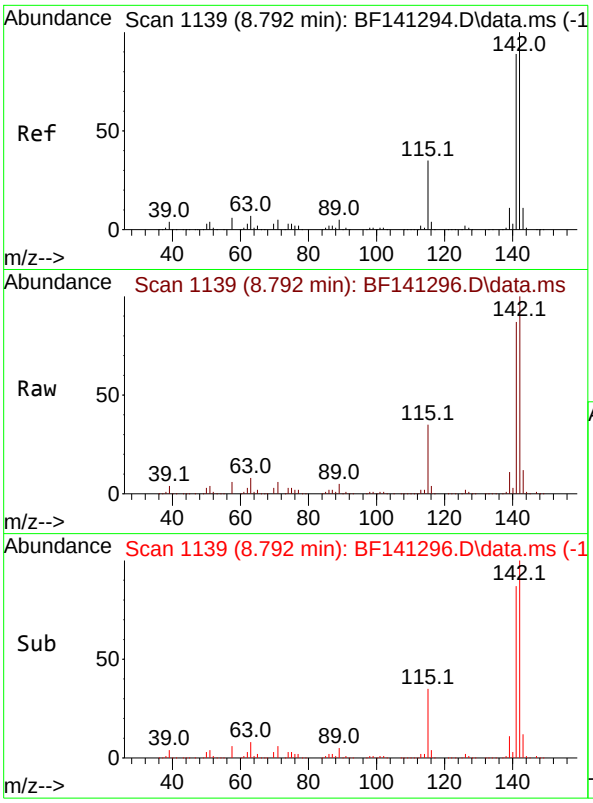


#36
4-Chloro-3-methylphenol
Concen: 58.389 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:107 Resp: 452438

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	77.2	63.8	95.8

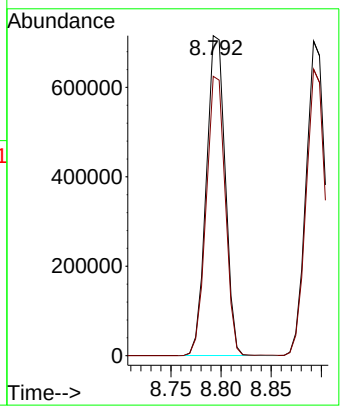




#37
2-Methylnaphthalene
Concen: 55.126 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 94115

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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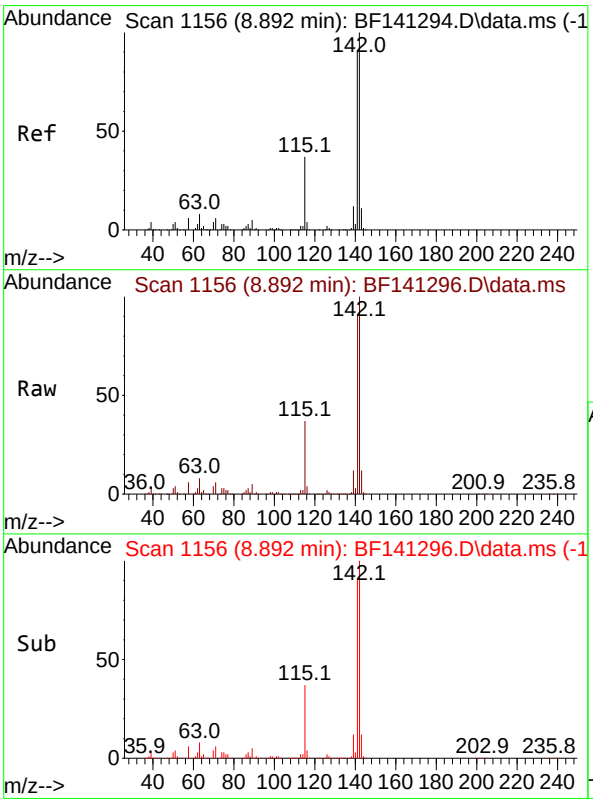
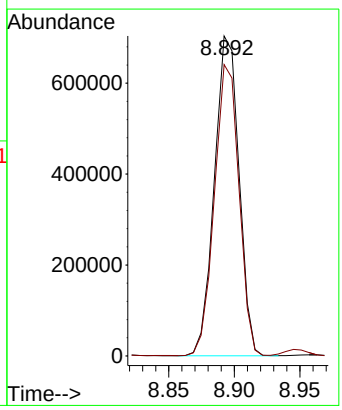
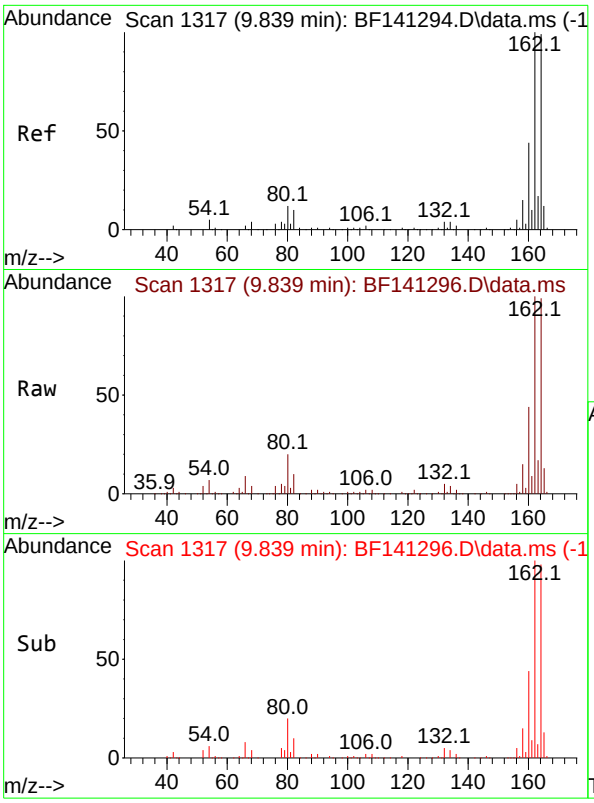


#38
1-Methylnaphthalene
Concen: 54.632 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:142 Resp: 917389

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.2	109.8

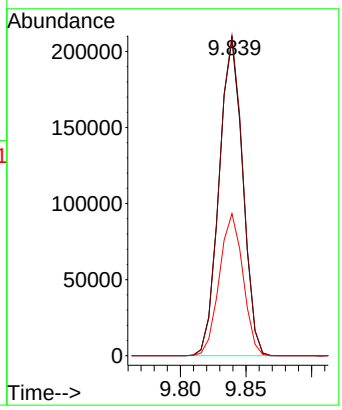




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:164 Resp: 26026

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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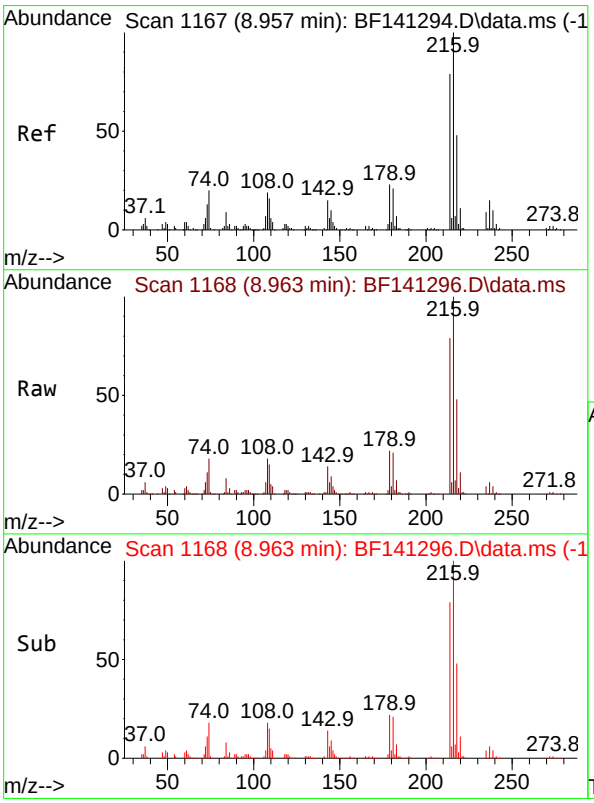
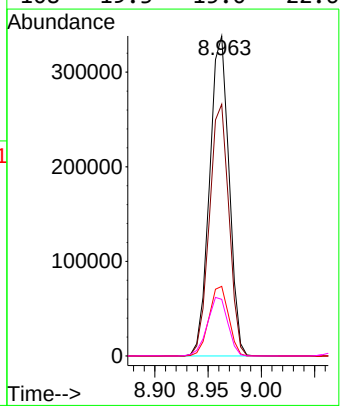
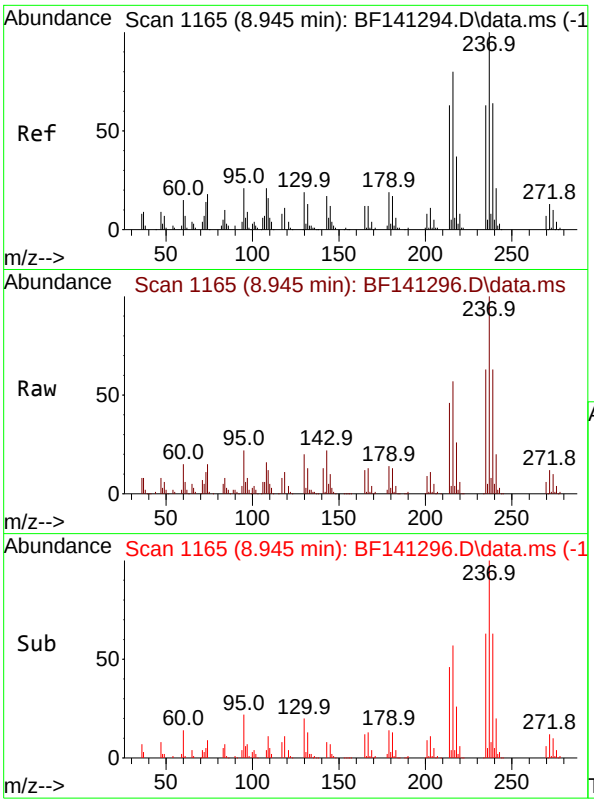


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.609 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:216 Resp: 430239

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.2	94.8
179	22.0	17.8	26.8
108	19.3	15.0	22.6

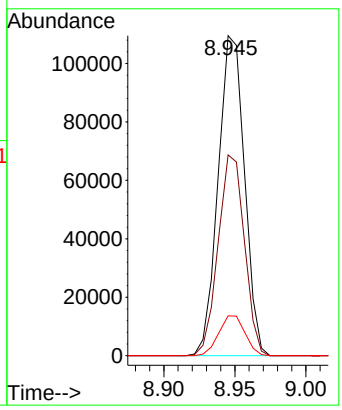




#41
Hexachlorocyclopentadiene
Concen: 66.154 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:237 Resp: 14138

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.9	82.9
272	12.5	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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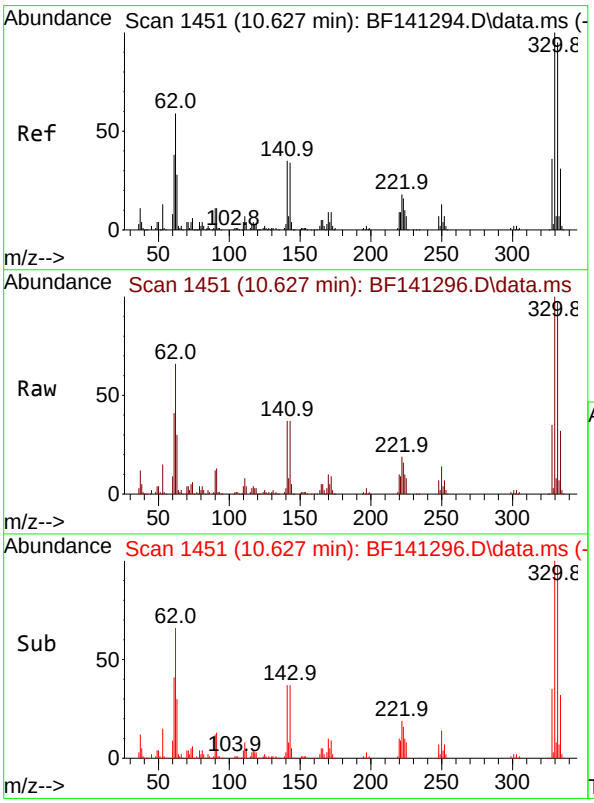
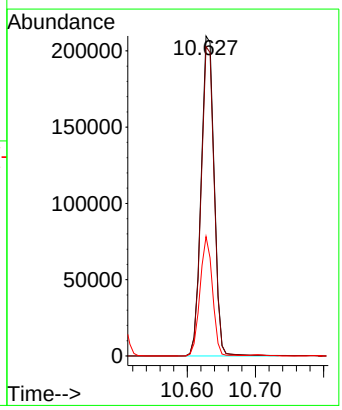
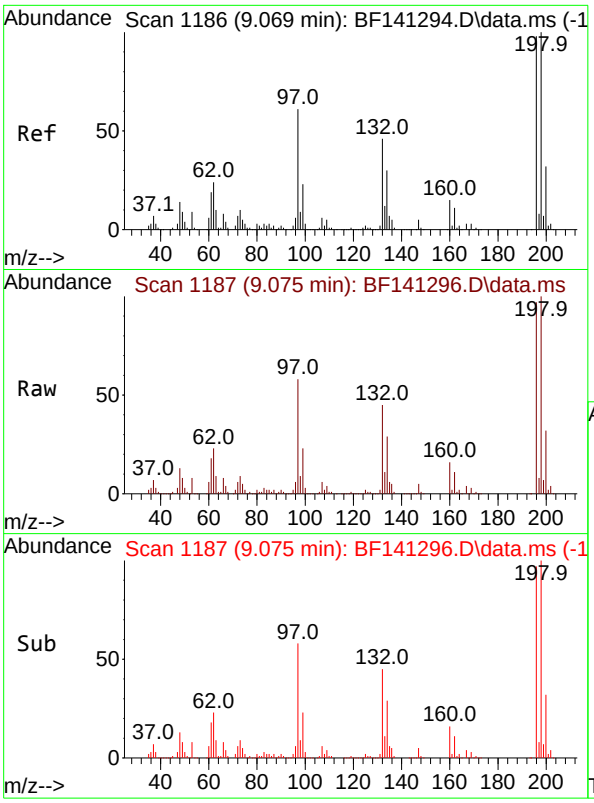


#42
2,4,6-Tribromophenol
Concen: 113.824 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:330 Resp: 279105

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.8	28.8	43.2

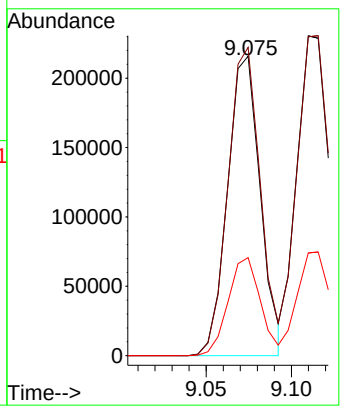




#43
2,4,6-Trichlorophenol
Concen: 58.588 ng
RT: 9.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 28829

Ion	Ratio	Lower	Upper
196	100		
198	102.9	81.8	122.6
200	32.7	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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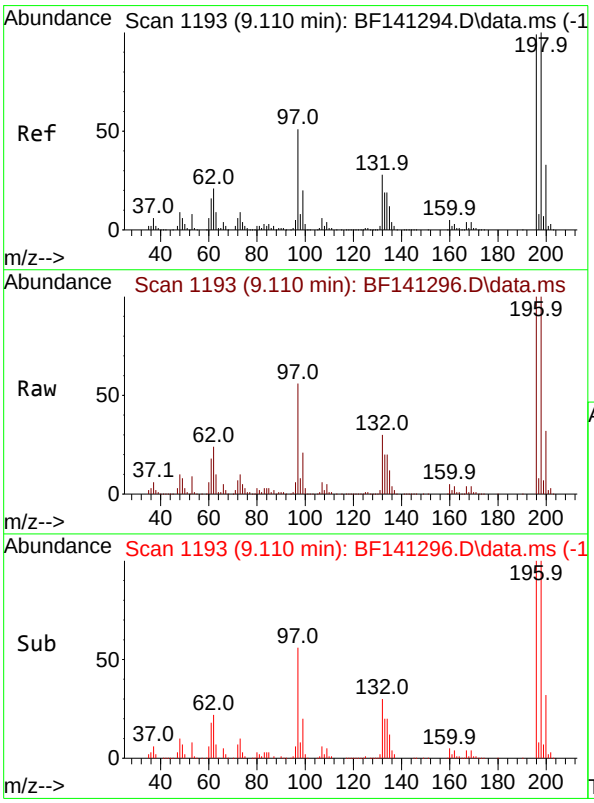
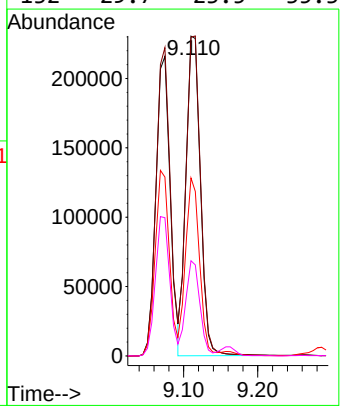
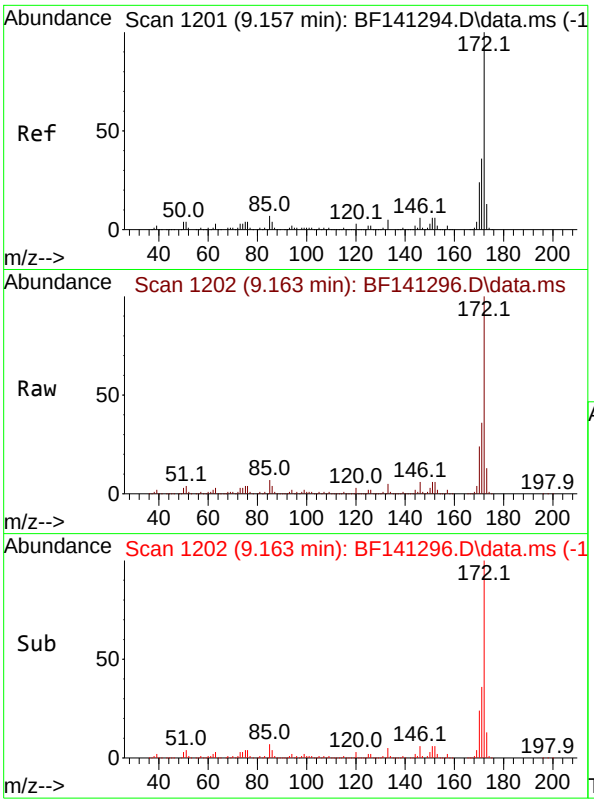


#44
2,4,5-Trichlorophenol
Concen: 59.000 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:196 Resp: 314912

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.5	120.7
97	55.7	42.8	64.2
132	29.7	23.5	35.3

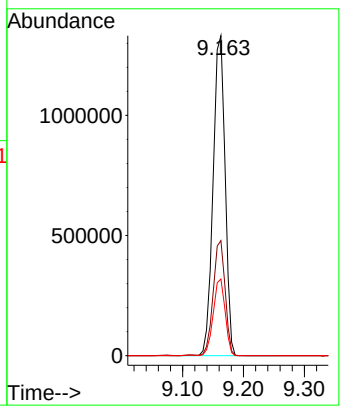




#45
2-Fluorobiphenyl
Concen: 102.411 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:172 Resp: 182437

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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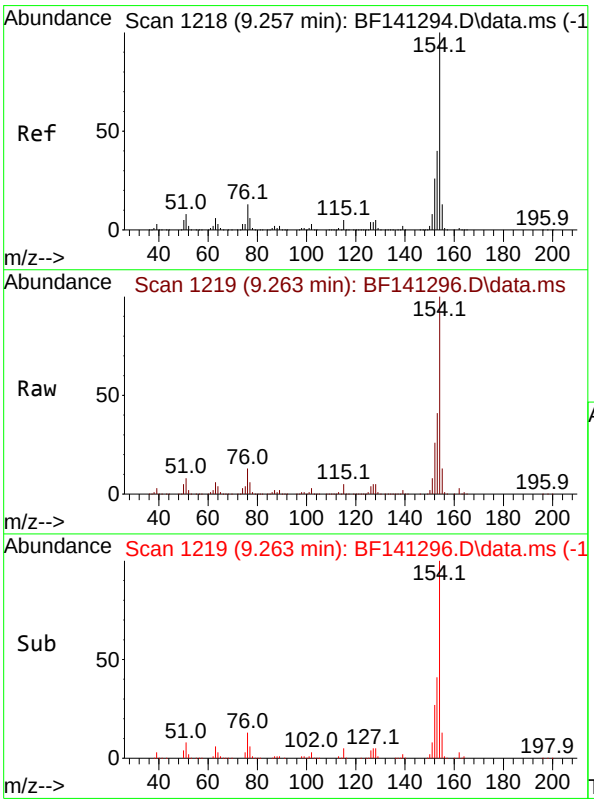
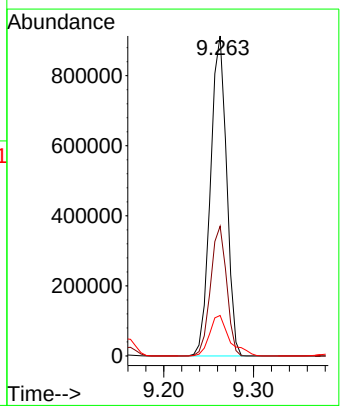
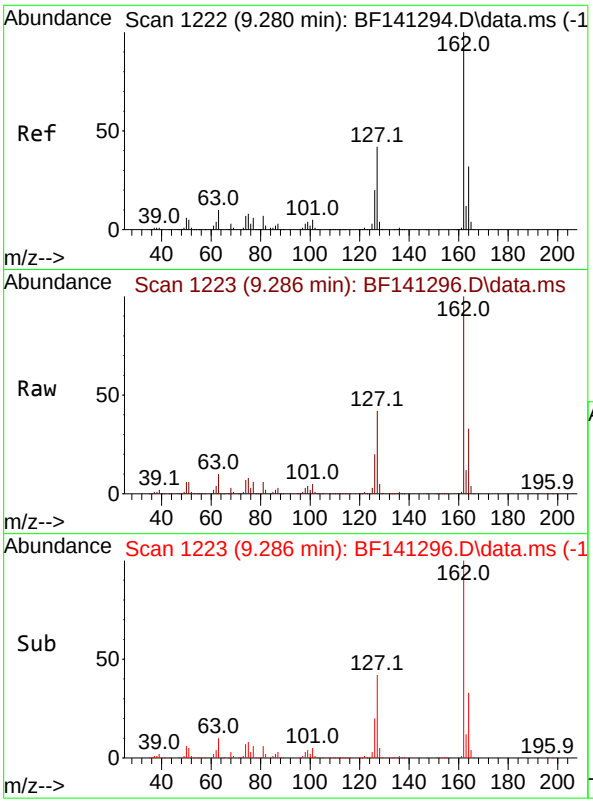


#46
1,1'-Biphenyl
Concen: 54.084 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 1139946

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	12.7	0.0	32.8

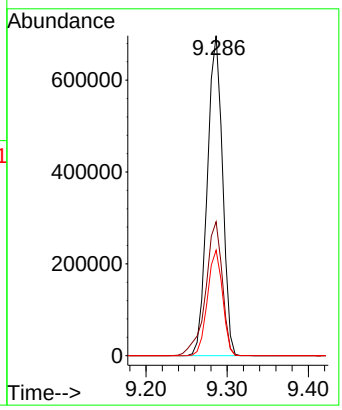




#47
2-Chloronaphthalene
Concen: 55.247 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:162 Resp: 90256

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.7	50.5
164	33.0	25.9	38.9



Instrument :
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ClientSampleId :
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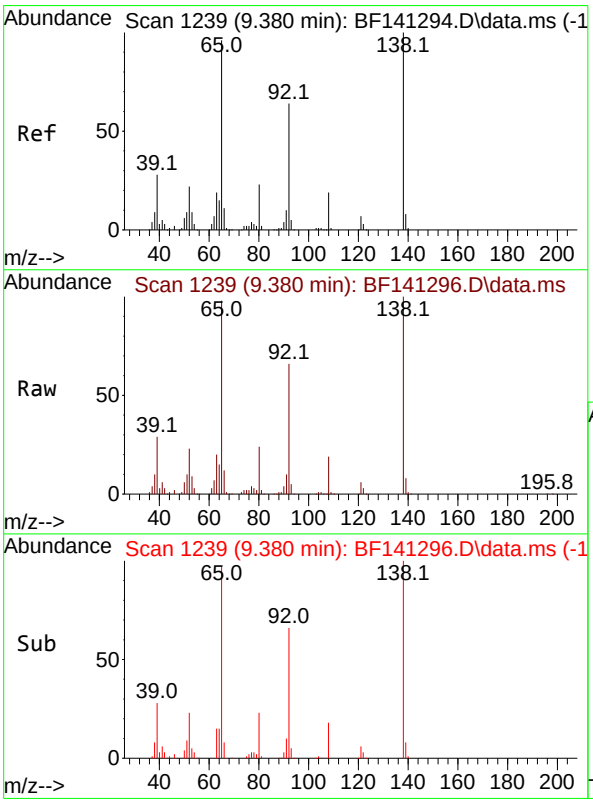
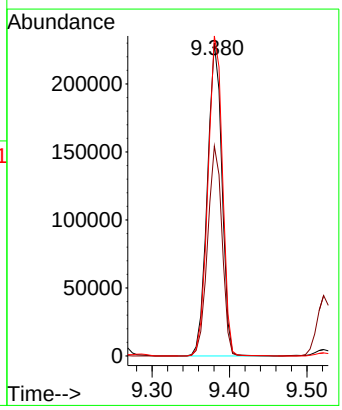
Supervised By :mohammad ahmed 02/04/2025

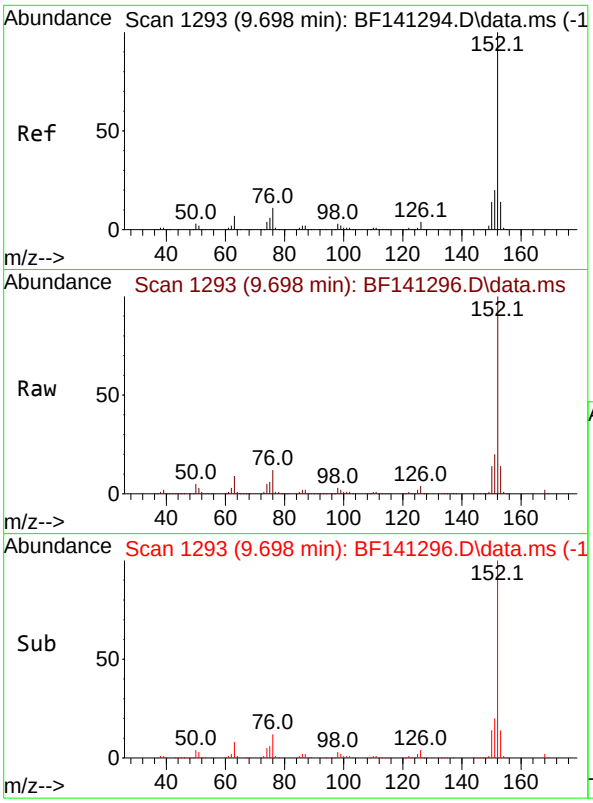


#48
2-Nitroaniline
Concen: 59.861 ng
RT: 9.380 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 65 Resp: 300339

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.3	79.9
138	102.3	83.6	125.4

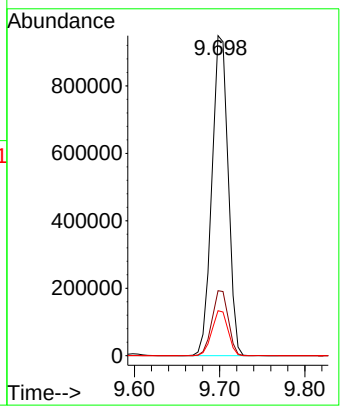




#49
Acenaphthylene
Concen: 54.924 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:152 Resp: 125873

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.1	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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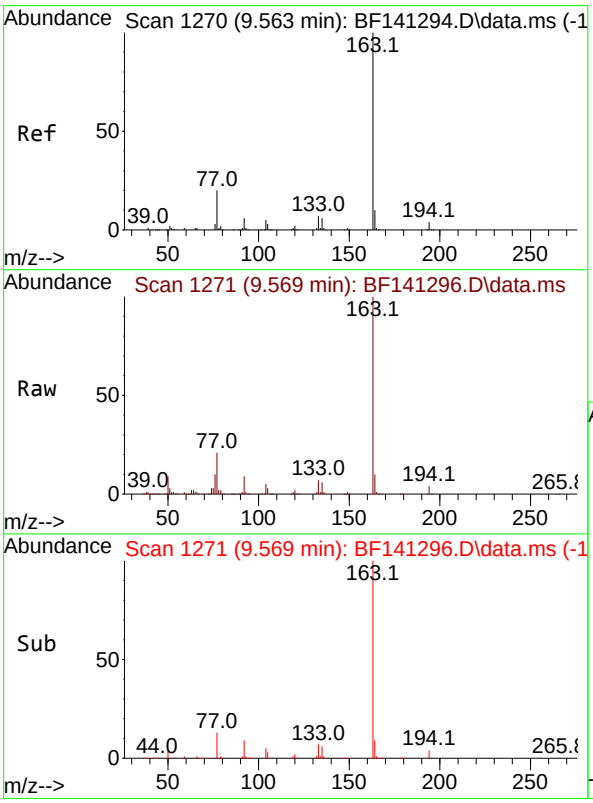
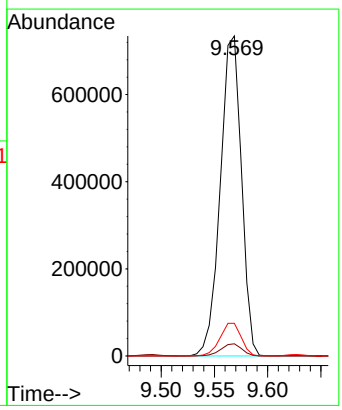
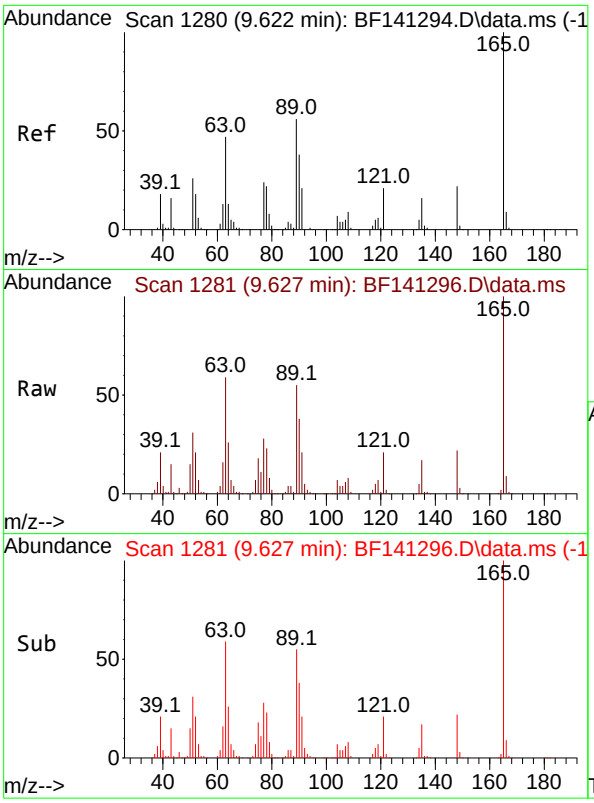


#50
Dimethylphthalate
Concen: 56.075 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:163 Resp: 1012298

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

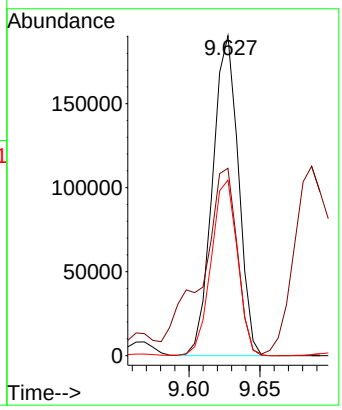




#51
2,6-Dinitrotoluene
Concen: 58.050 ng
RT: 9.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 24124

Ion	Ratio	Lower	Upper
165	100		
63	58.5	48.1	72.1
89	54.8	44.9	67.3



Instrument :
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ClientSampleId :
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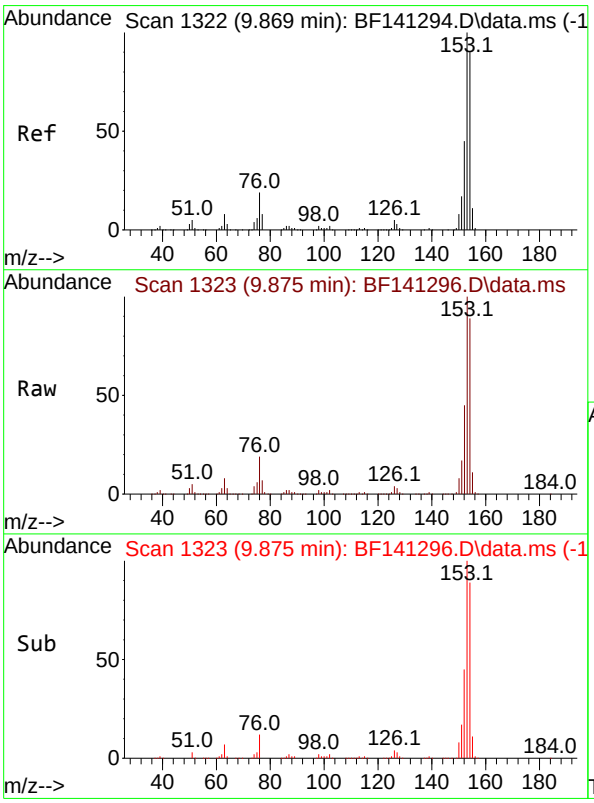
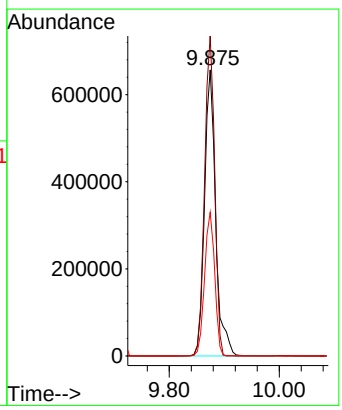
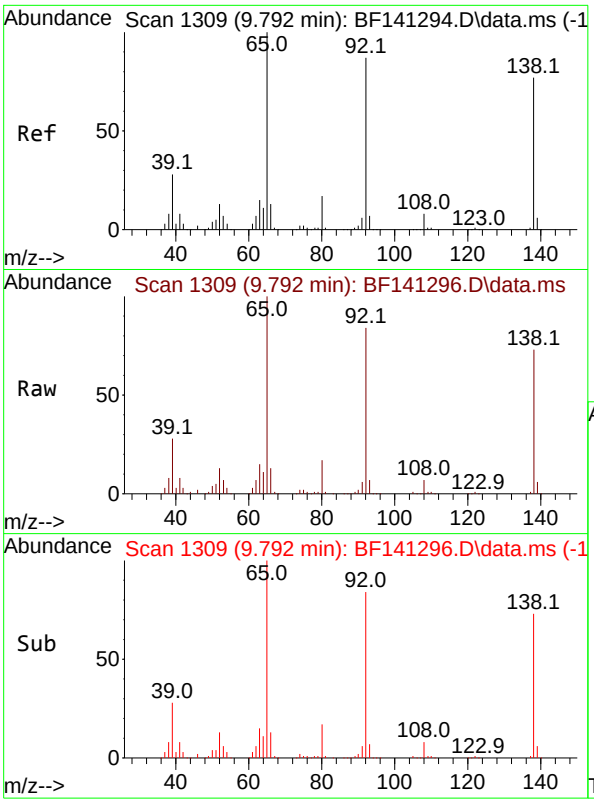


#52
Acenaphthene
Concen: 56.639 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:154 Resp: 921519

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.2	40.2	60.4





#53
3-Nitroaniline
Concen: 56.245 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 23268

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.6	12.8
92	115.2	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
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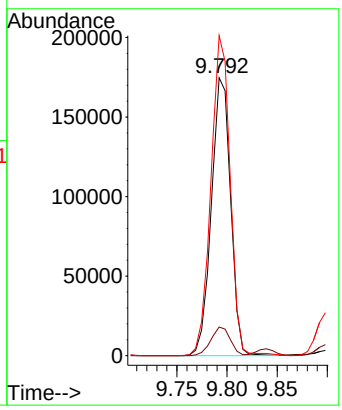
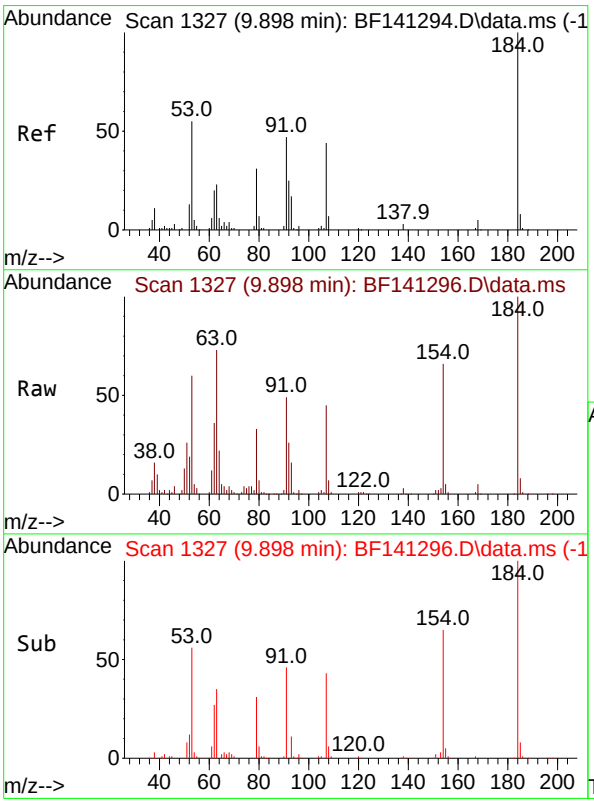
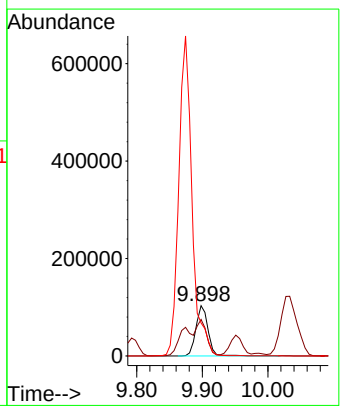


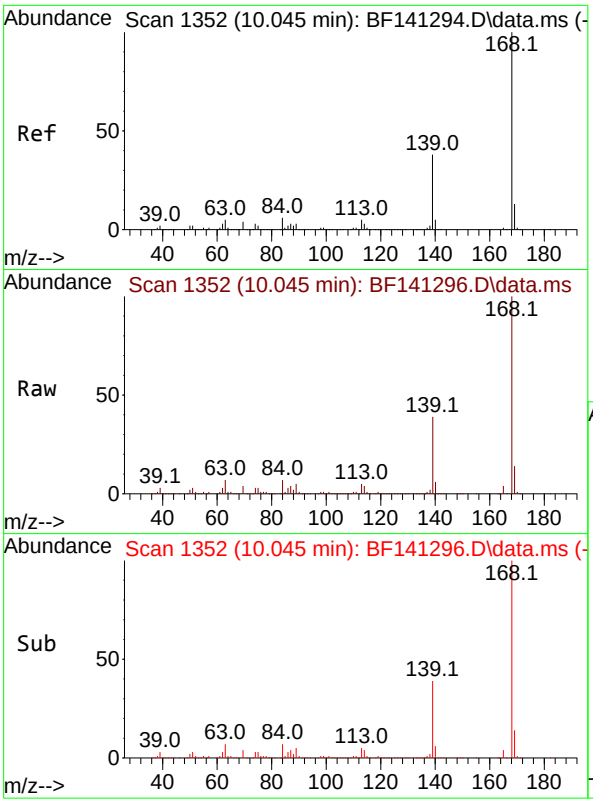


#54
2,4-Dinitrophenol
Concen: 84.109 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 132244

Ion	Ratio	Lower	Upper
184	100		
63	72.8	54.1	81.1
154	65.5	50.7	76.1

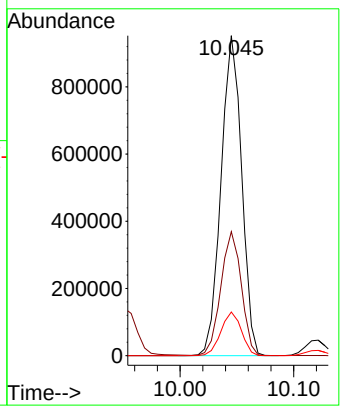




#55
Dibenzofuran
Concen: 54.629 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:168 Resp: 120202

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	46.0
169	13.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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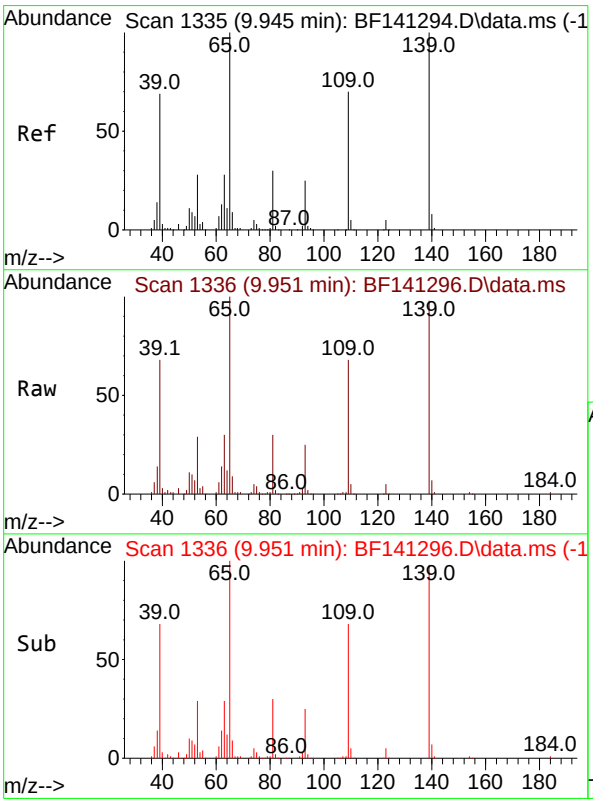
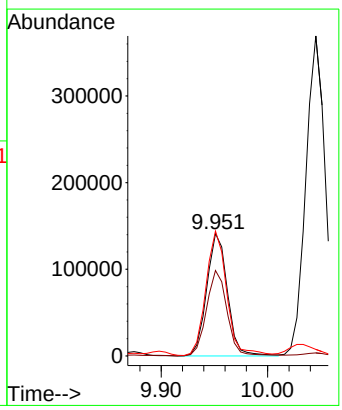
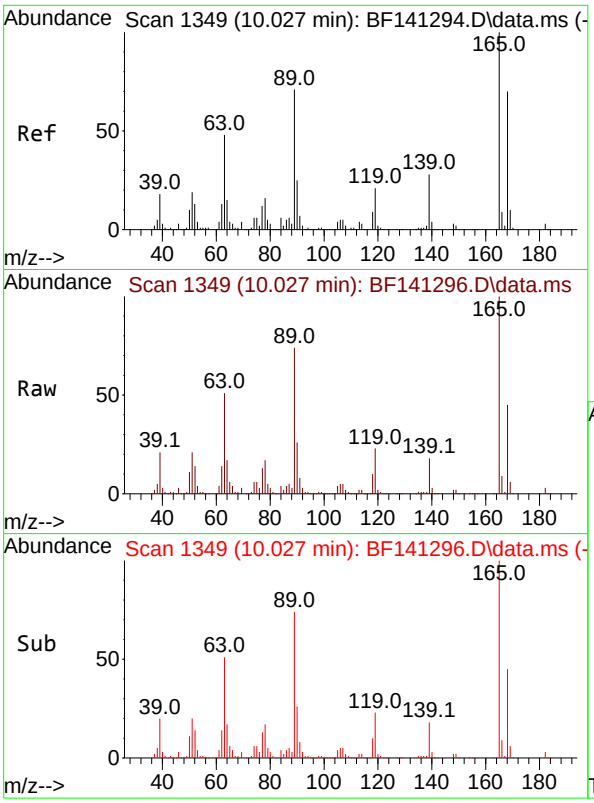


#56
4-Nitrophenol
Concen: 66.120 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:139 Resp: 190620

Ion	Ratio	Lower	Upper
139	100		
109	69.8	50.2	90.2
65	102.1	80.6	120.6

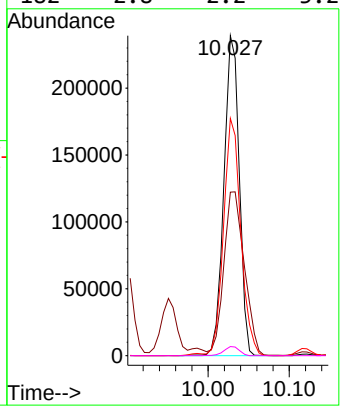




#57
2,4-Dinitrotoluene
Concen: 58.312 ng
RT: 10.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:165 Resp: 31522

Ion	Ratio	Lower	Upper
165	100		
63	51.1	39.2	58.8
89	74.2	56.9	85.3
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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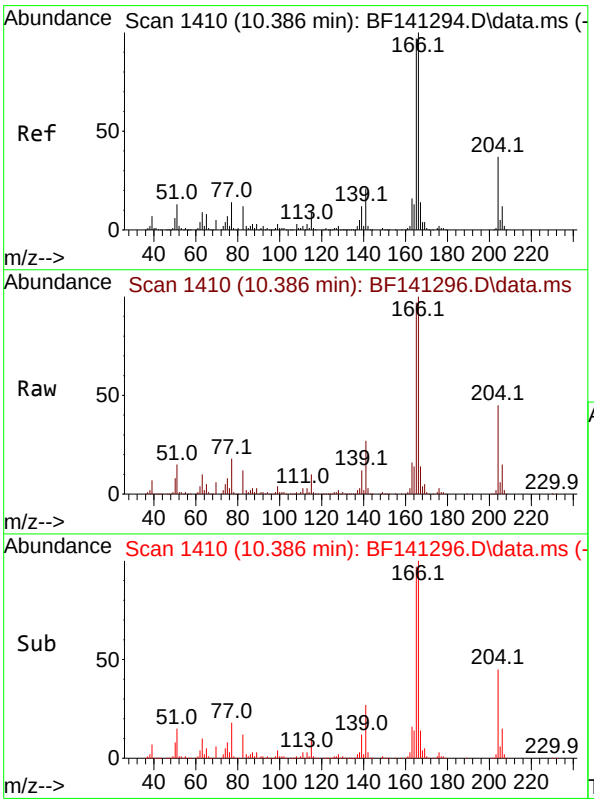
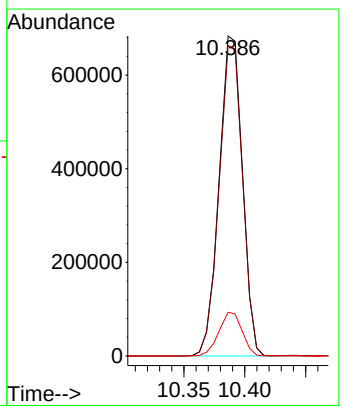
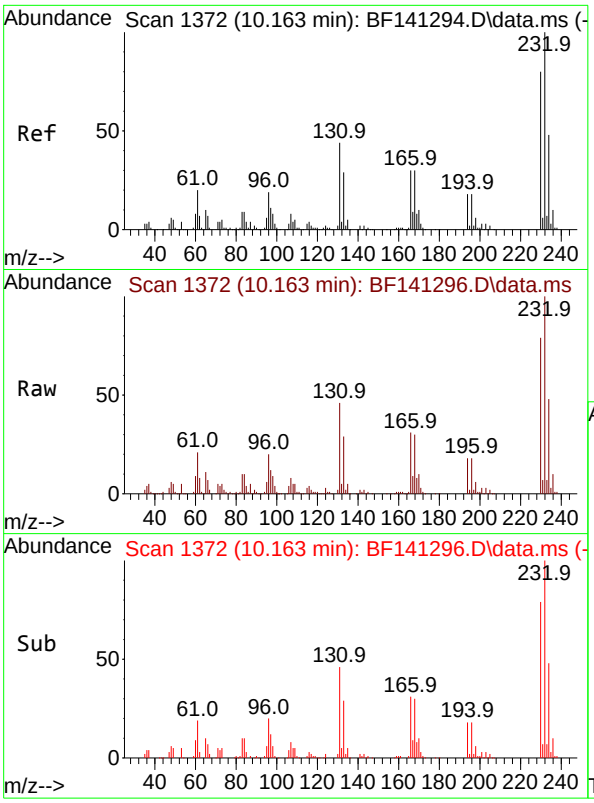


#58
Fluorene
Concen: 53.236 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:166 Resp: 915246

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.6	10.9	16.3

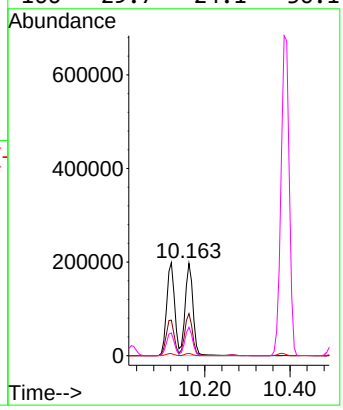




#59
2,3,4,6-Tetrachlorophenol
Concen: 60.106 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:232 Resp: 25296

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.4	54.6
130	2.3	1.9	2.9
166	29.7	24.1	36.1



Instrument :
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ClientSampleId :
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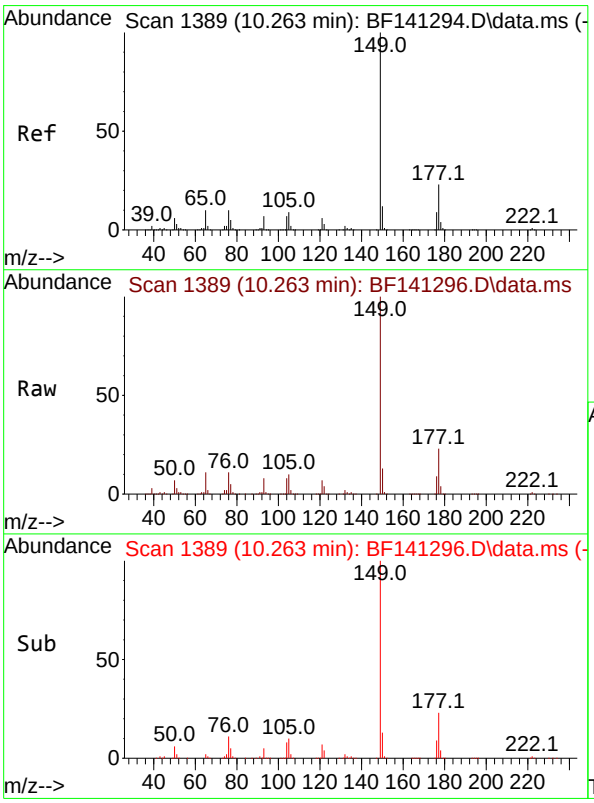
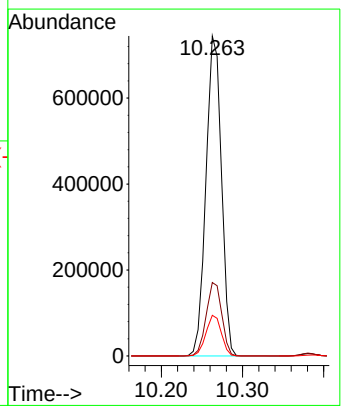
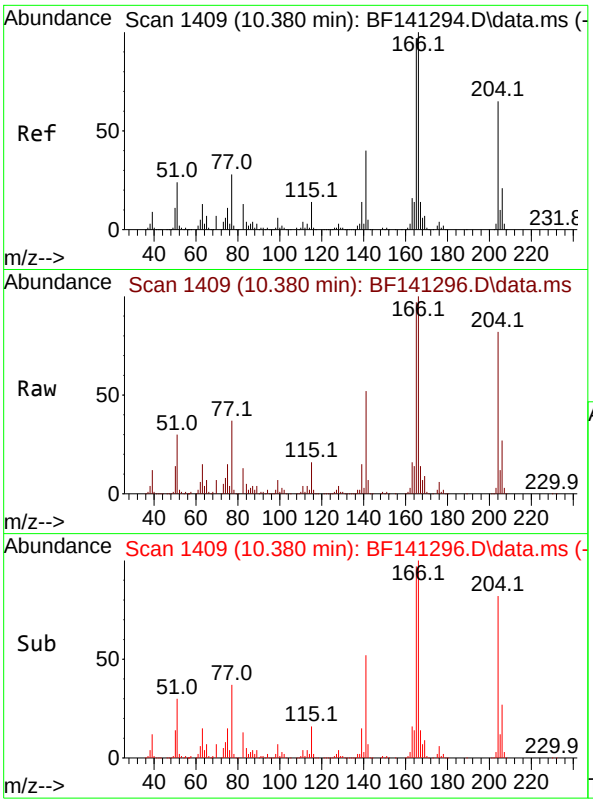


#60
Diethylphthalate
Concen: 55.897 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 983788

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.7	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 53.136 ng
RT: 10.380 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:204 Resp: 44584

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.9	38.9
141	63.2	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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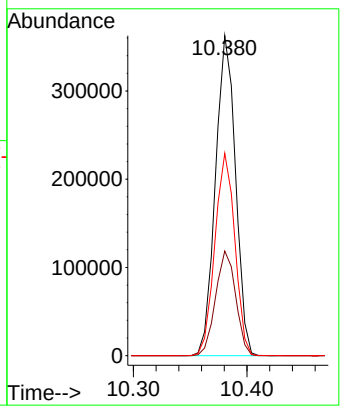
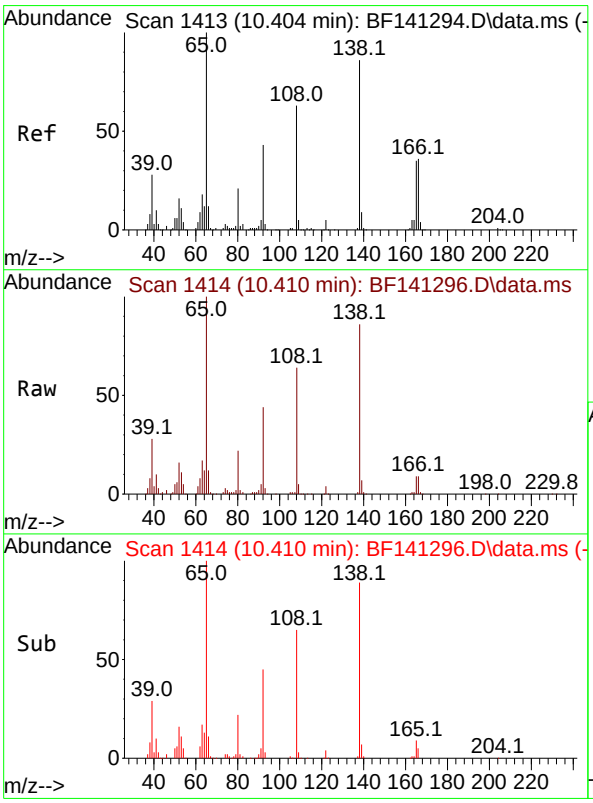
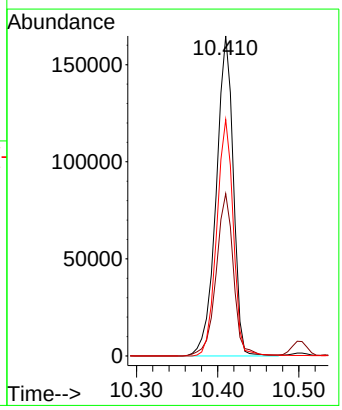


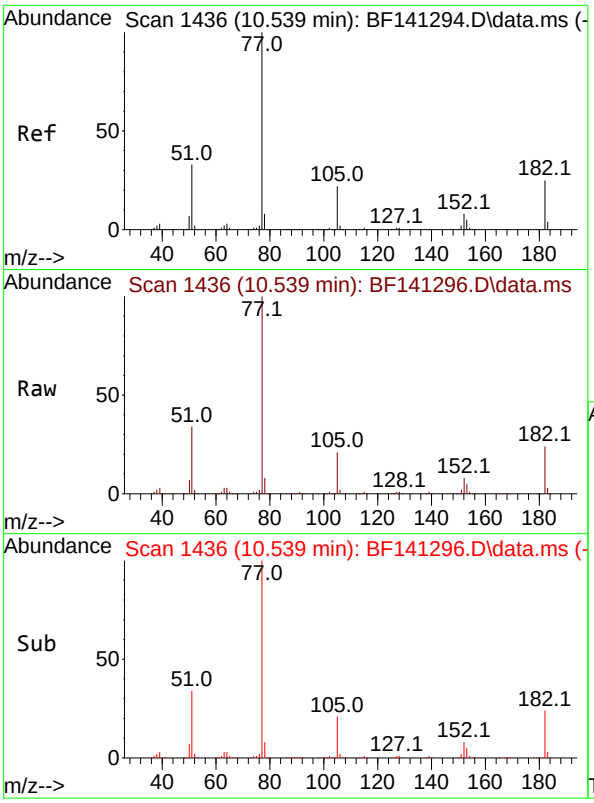


#62
4-Nitroaniline
Concen: 61.216 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:138 Resp: 242716

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.1	70.1
108	73.8	53.1	93.1

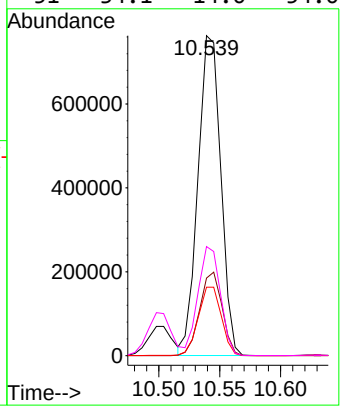




#63
Azobenzene
Concen: 56.821 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion: 77 Resp: 99660

Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.1	45.1
105	21.4	1.8	41.8
51	34.1	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
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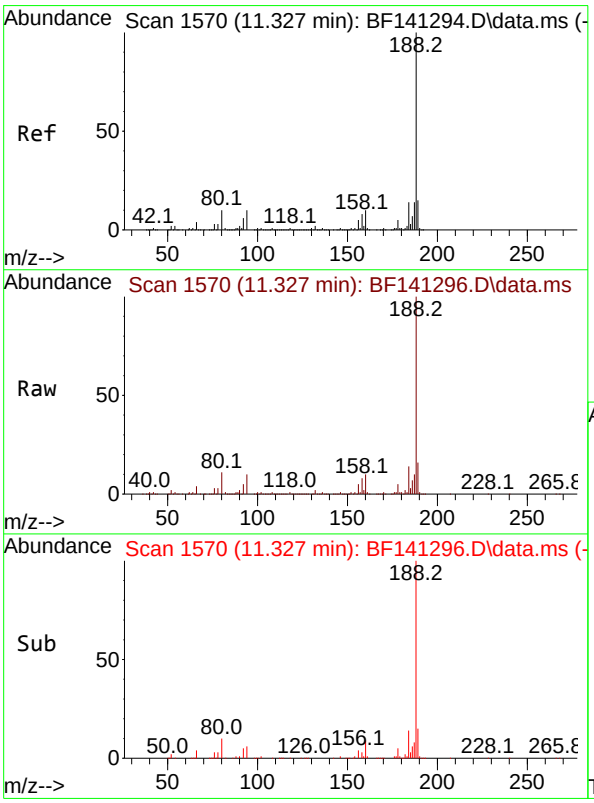
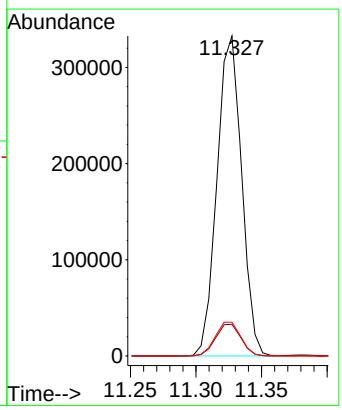
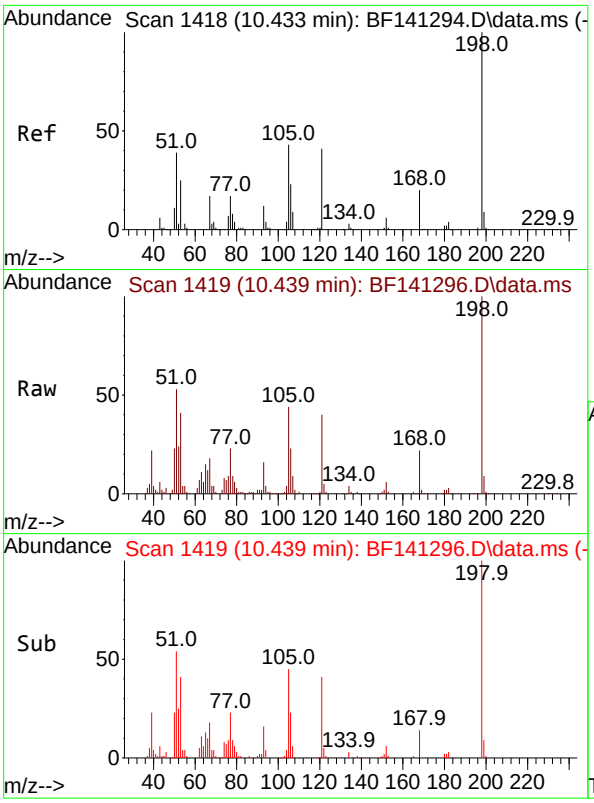


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:188 Resp: 434671

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.6	8.2	12.4

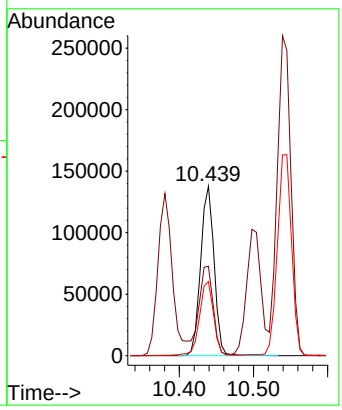




#65
4,6-Dinitro-2-methylphenol
Concen: 71.103 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:198 Resp: 17424

Ion	Ratio	Lower	Upper
198	100		
51	52.8	33.4	73.4
105	43.7	24.4	64.4



Instrument :
BNA_F
ClientSampleId :
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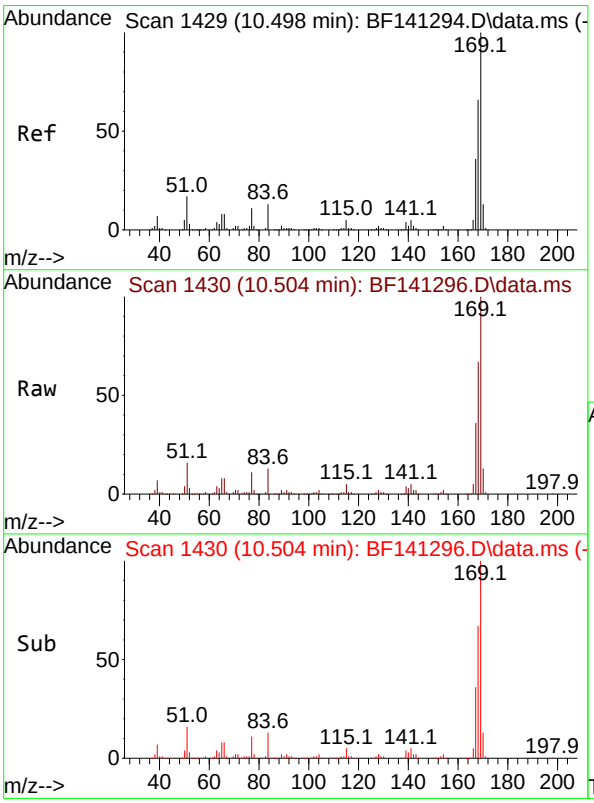
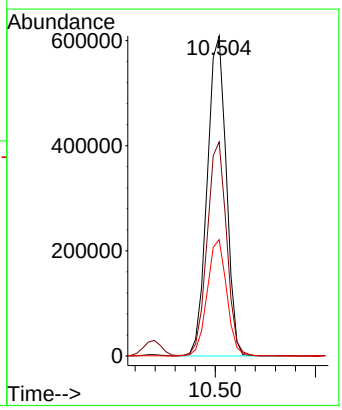
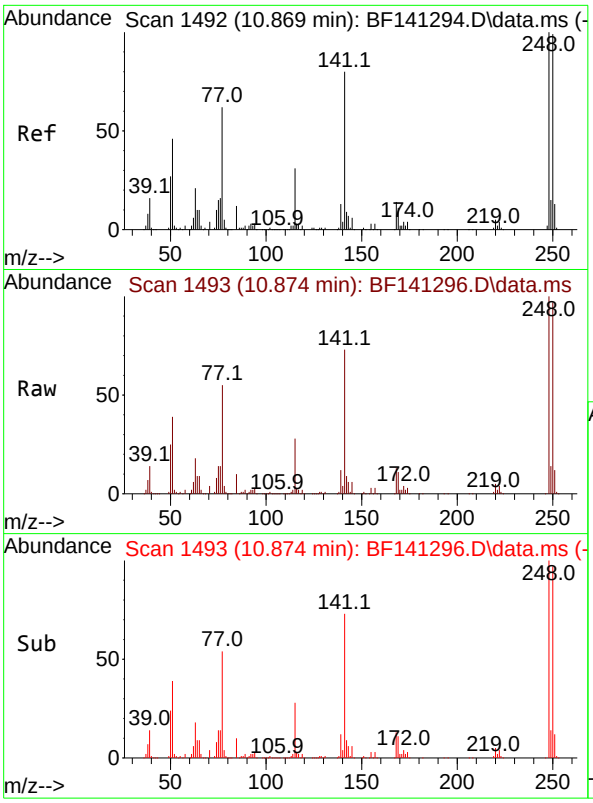


#66
n-Nitrosodiphenylamine
Concen: 55.423 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:169 Resp: 800147

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.3	28.8	43.2

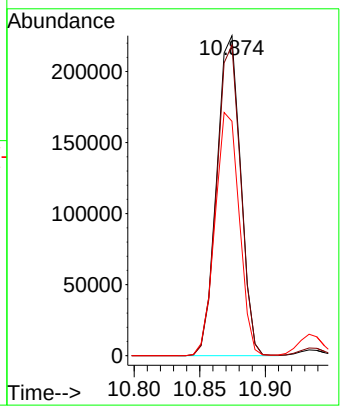




#67
4-Bromophenyl-phenylether
Concen: 57.957 ng
RT: 10.874 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:248 Resp: 28664

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	73.2	63.7	95.5



Instrument :
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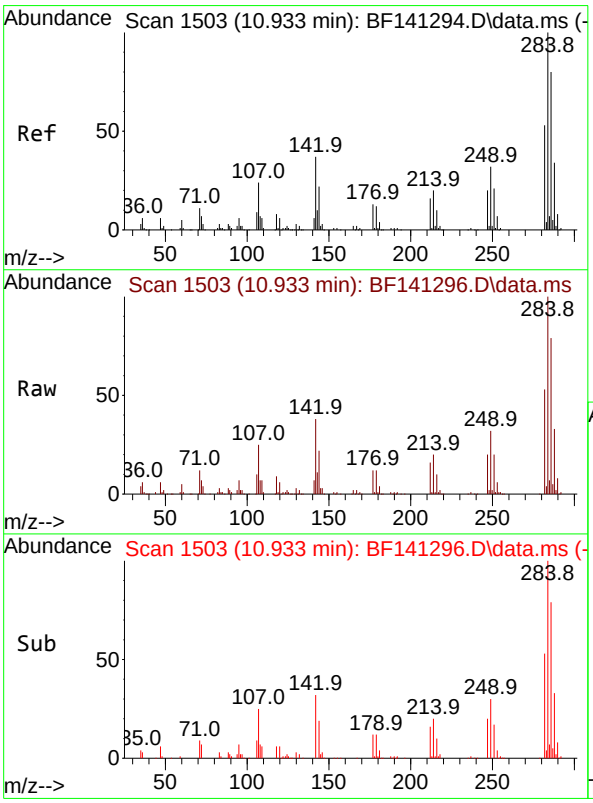
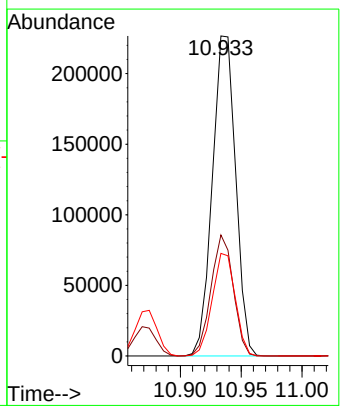
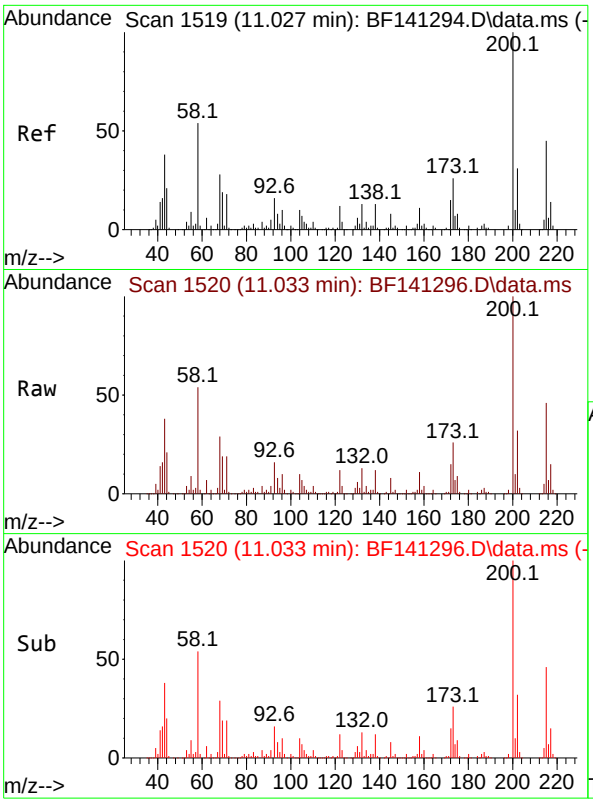


#68
Hexachlorobenzene
Concen: 57.366 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:284 Resp: 302508

Ion	Ratio	Lower	Upper
284	100		
142	37.8	29.5	44.3
249	32.0	25.4	38.2

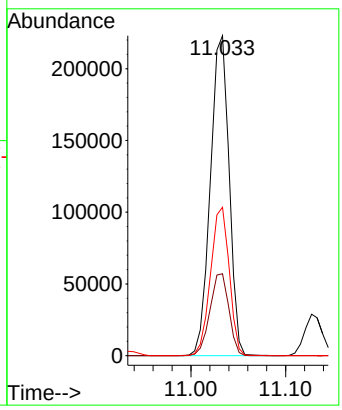




#69
Atrazine
Concen: 66.863 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:200 Resp: 30652

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.9	45.9
215	46.4	25.2	65.2



Instrument :
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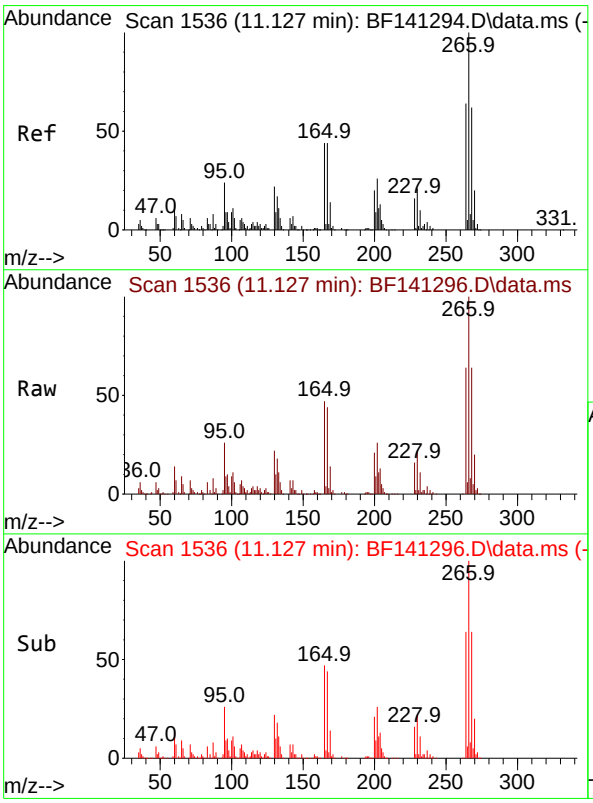
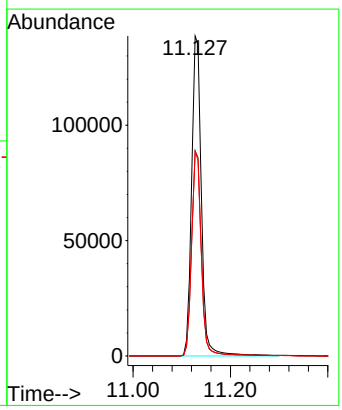
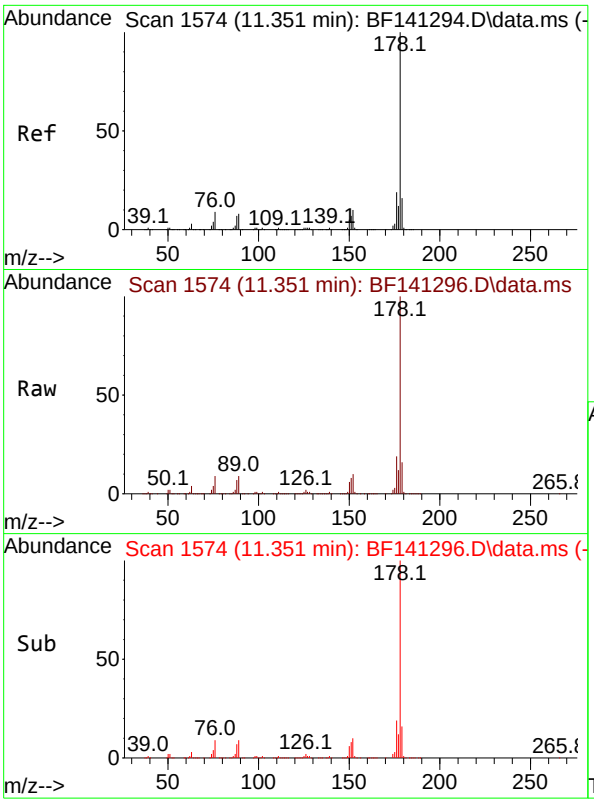


#70
Pentachlorophenol
Concen: 65.443 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:266 Resp: 194335

Ion	Ratio	Lower	Upper
266	100		
268	64.1	49.9	74.9
264	63.9	51.0	76.4

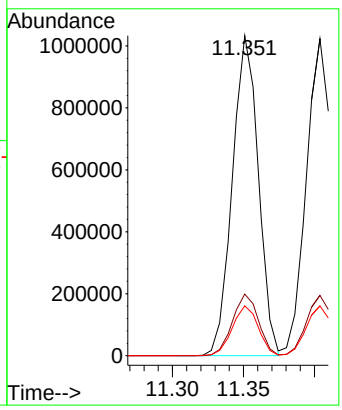




#71
Phenanthrene
Concen: 54.311 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 131698

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.5	18.7



Instrument :
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ClientSampleId :
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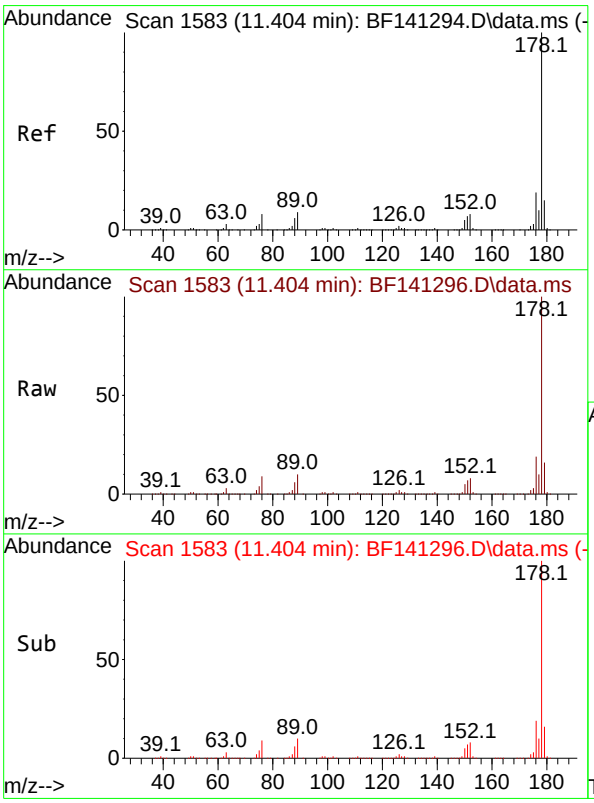
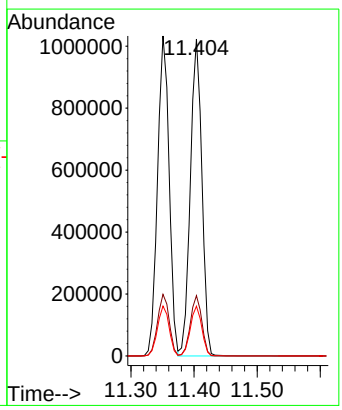
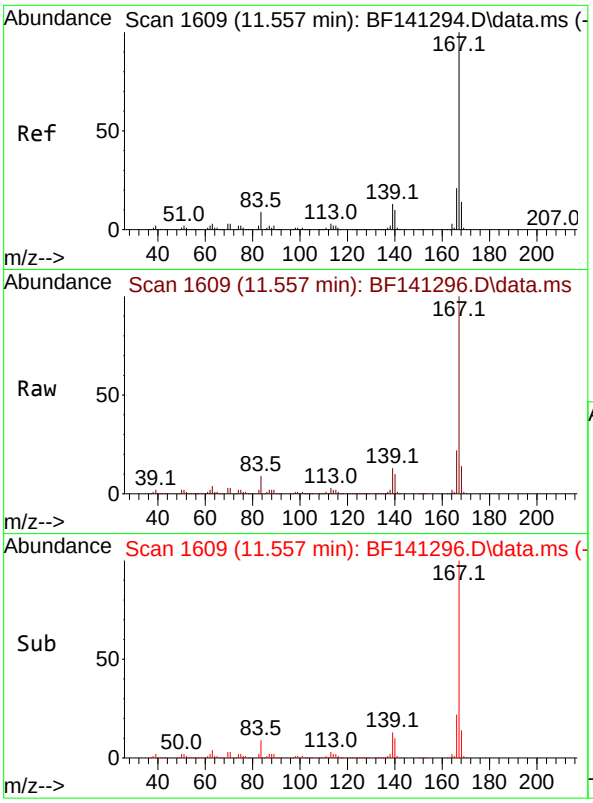


#72
Anthracene
Concen: 54.763 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:178 Resp: 1298334

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.7	12.3	18.5

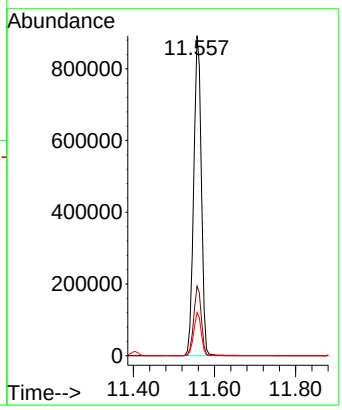




#73
Carbazole
Concen: 55.874 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:167 Resp: 117333

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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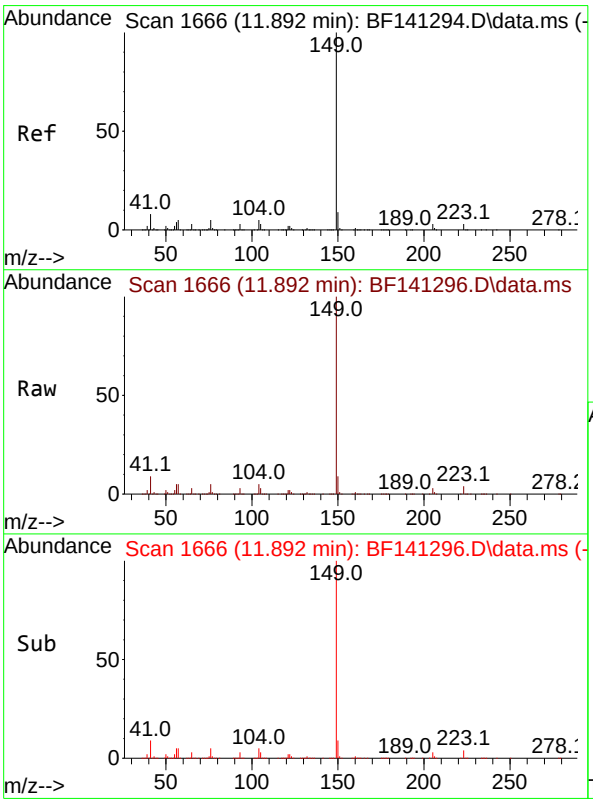
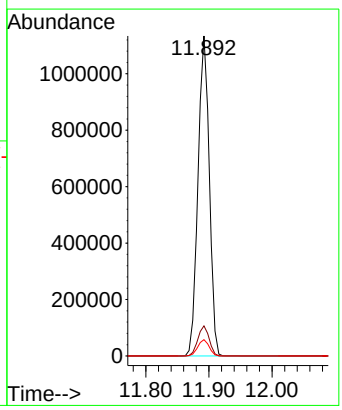
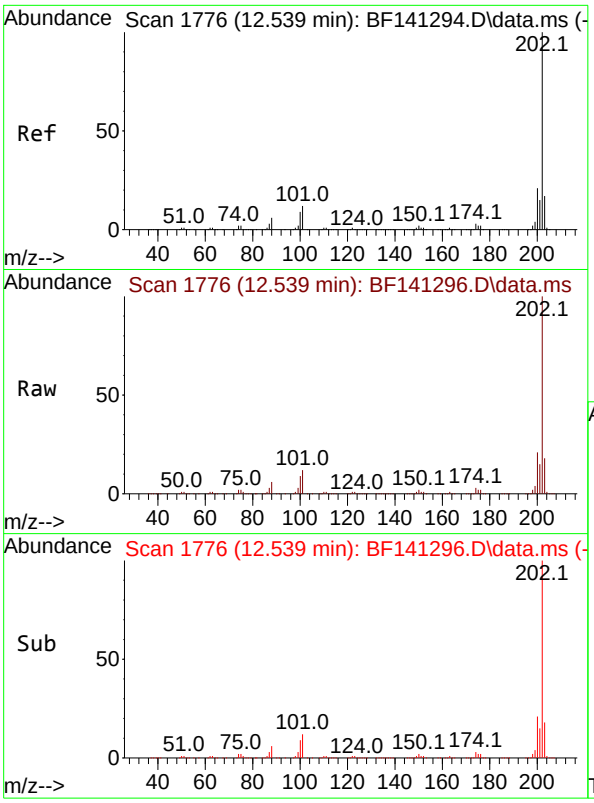


#74
Di-n-butylphthalate
Concen: 55.325 ng
RT: 11.892 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 1410222

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9





#75
Fluoranthene
Concen: 52.878 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 127999

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.7
203	17.9	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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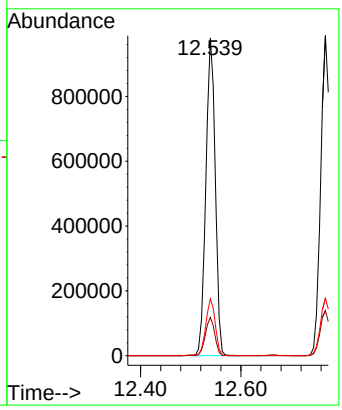
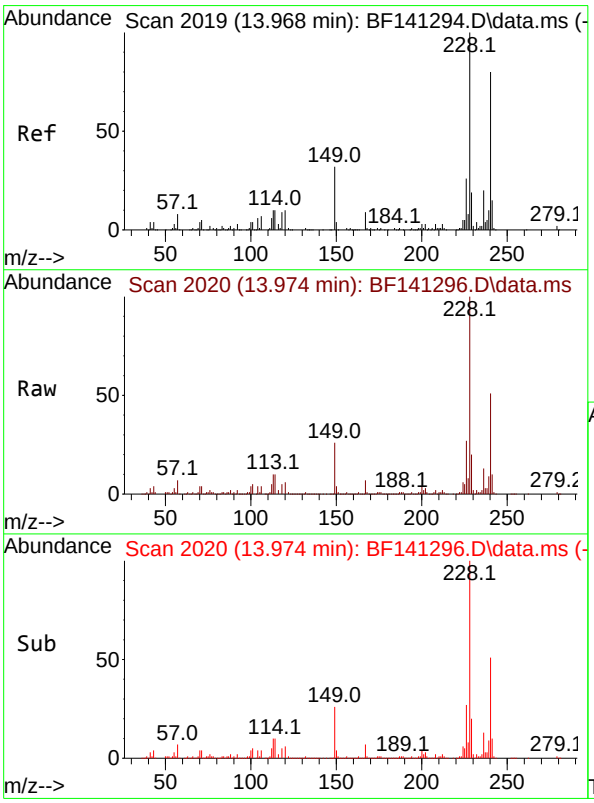
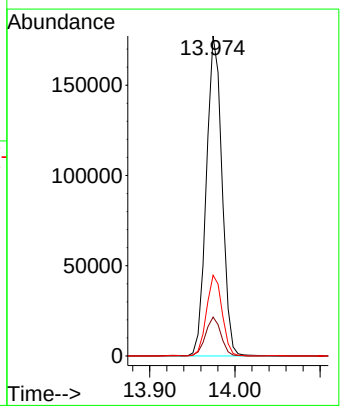


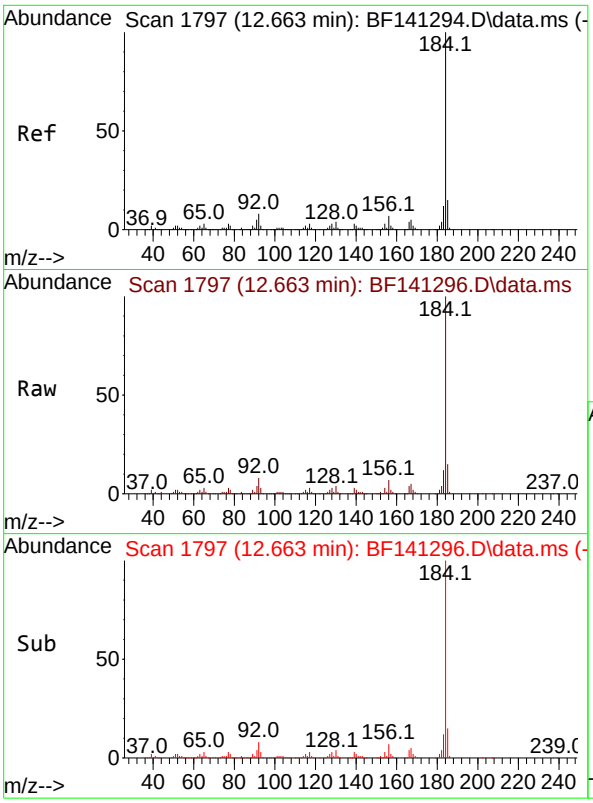


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:240 Resp: 225615

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.2	19.7	29.5

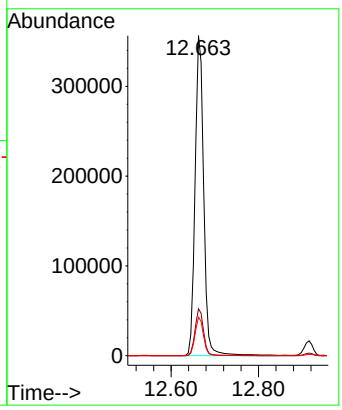




#77
Benzidine
Concen: 67.692 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:184 Resp: 490009

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	12.0	9.5	14.3



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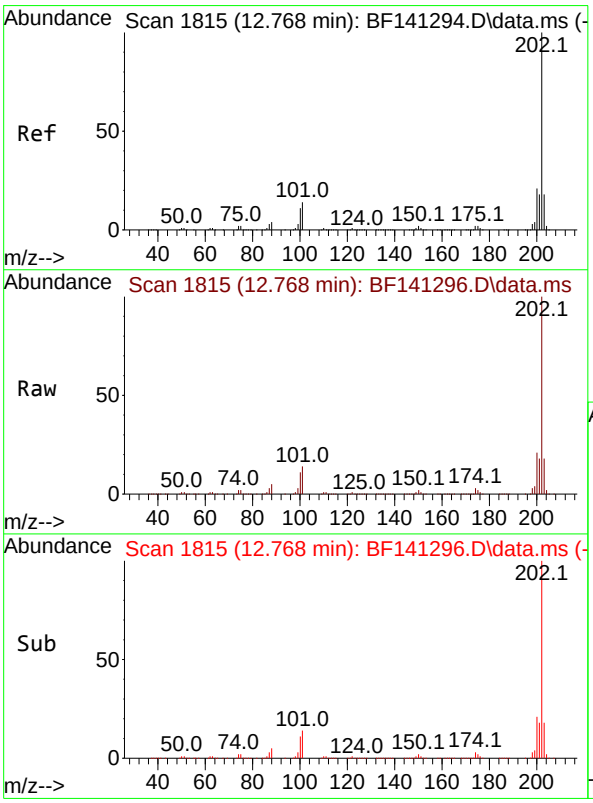
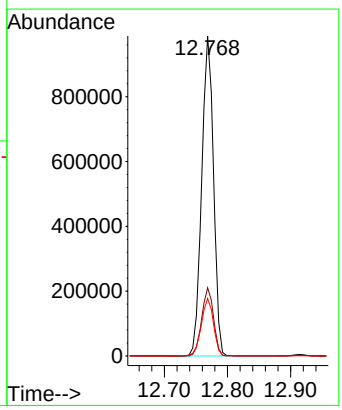
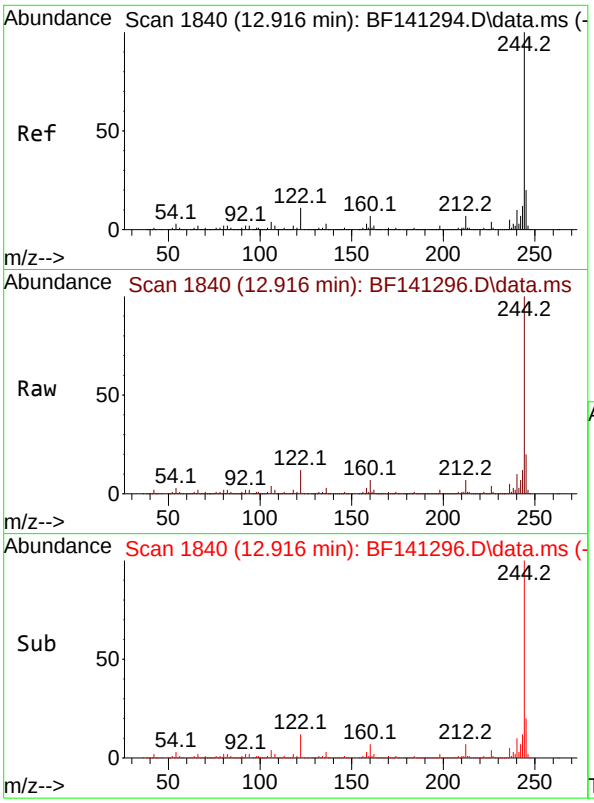


#78
Pyrene
Concen: 57.717 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:202 Resp: 1284820

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

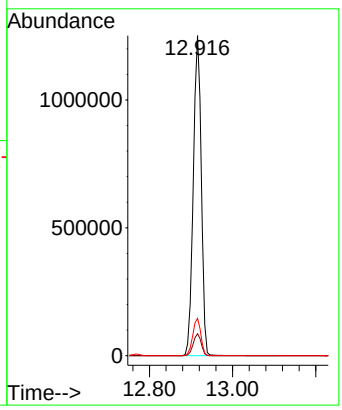




#79
Terphenyl-d14
Concen: 109.453 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:244 Resp: 166559

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.6	8.8	13.2



Instrument :
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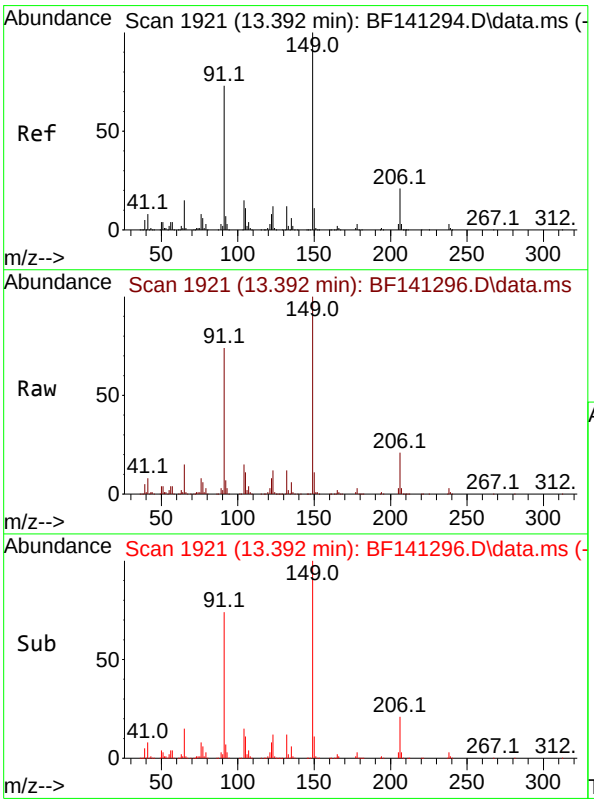
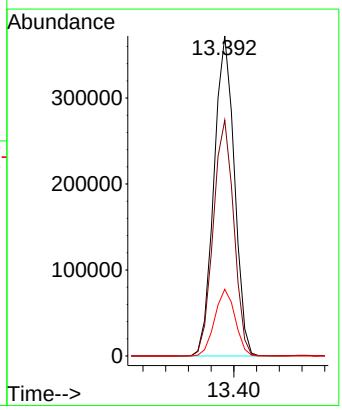
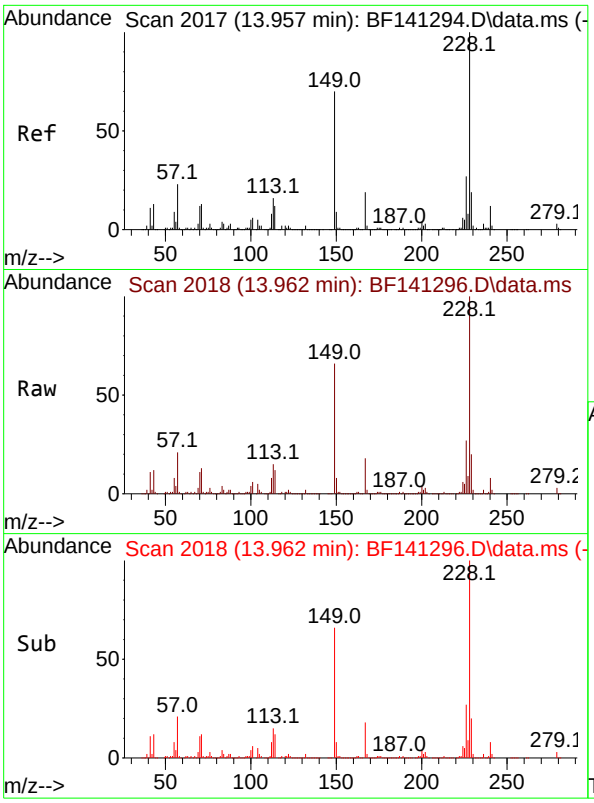


#80
Butylbenzylphthalate
Concen: 60.745 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 465533

Ion	Ratio	Lower	Upper
149	100		
91	73.7	58.6	87.8
206	20.8	16.7	25.1

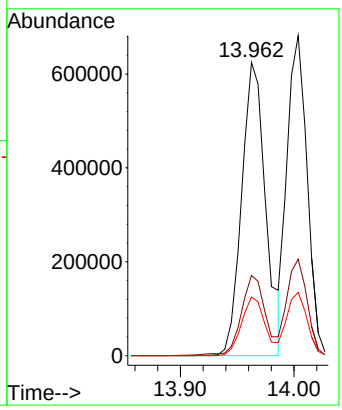




#81
Benzo(a)anthracene
Concen: 57.742 ng
RT: 13.962 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 91721

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.0	15.5	23.3



Instrument :
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ClientSampleId :
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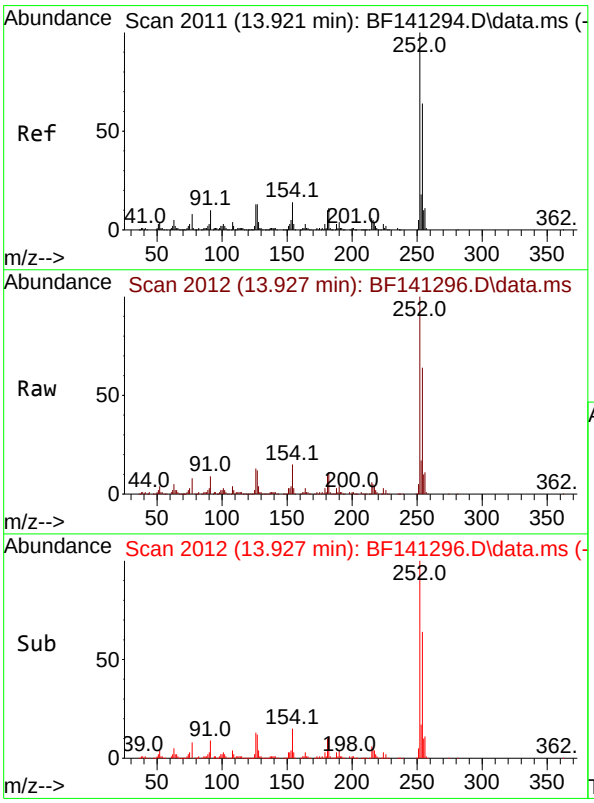
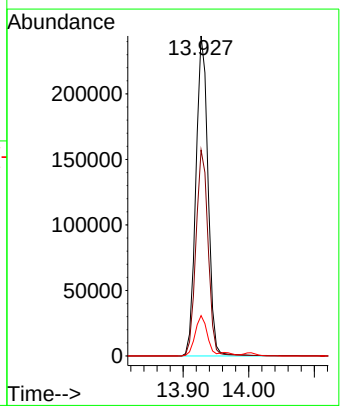
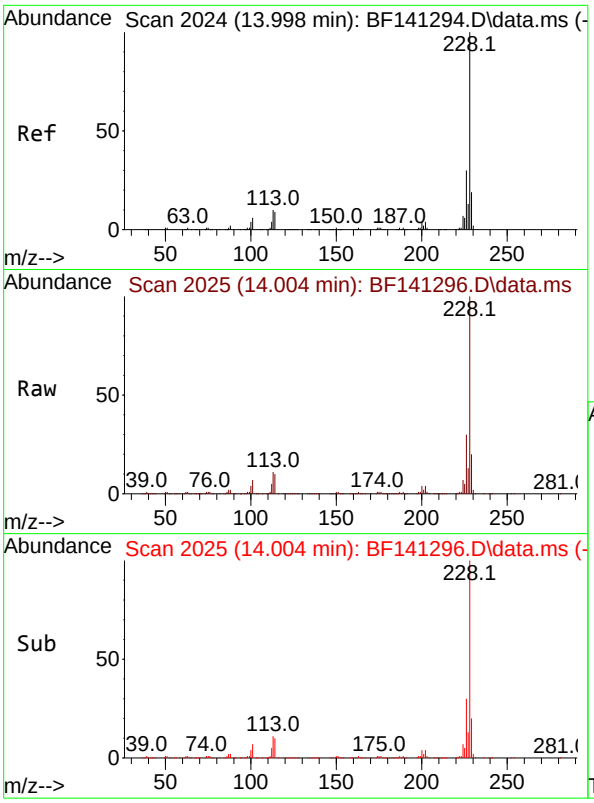


#82
3,3'-Dichlorobenzidine
Concen: 64.819 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 315503

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.3	76.9
126	12.6	10.0	15.0

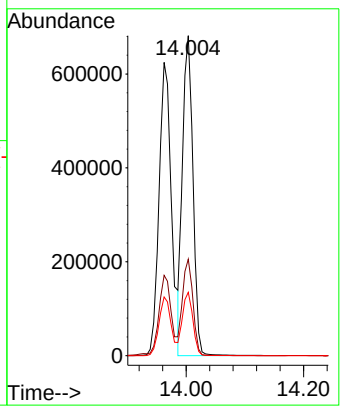




#83
Chrysene
Concen: 58.239 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:228 Resp: 84112

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4



Instrument :
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ClientSampleId :
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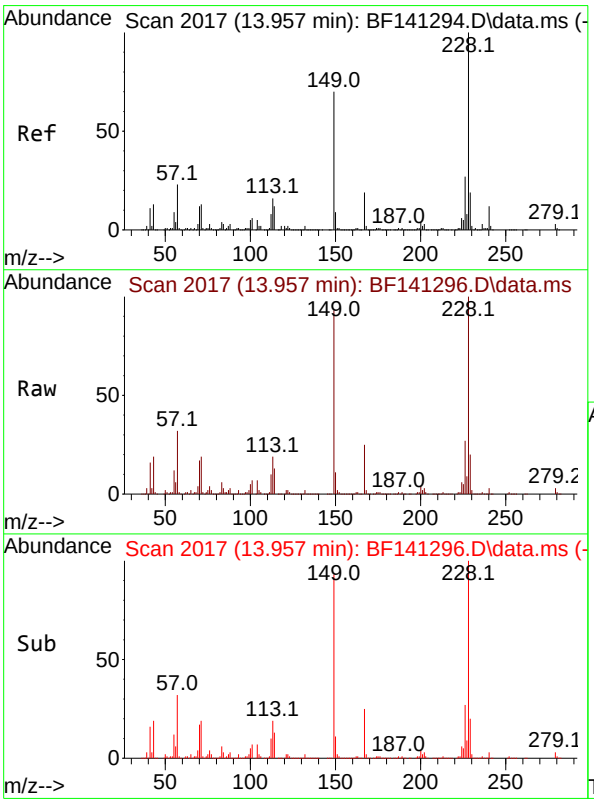
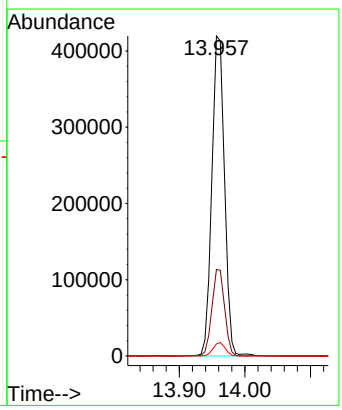
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

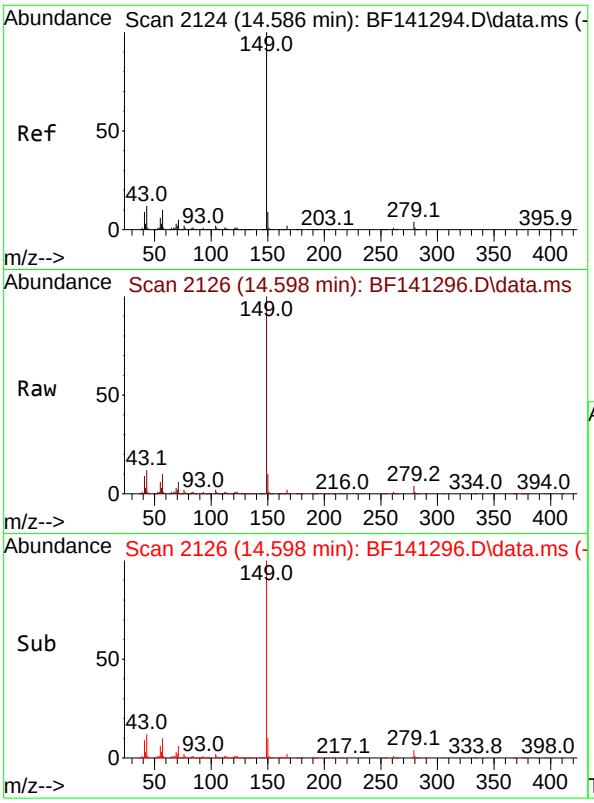


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.438 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 564642

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	3.8	3.3	4.9

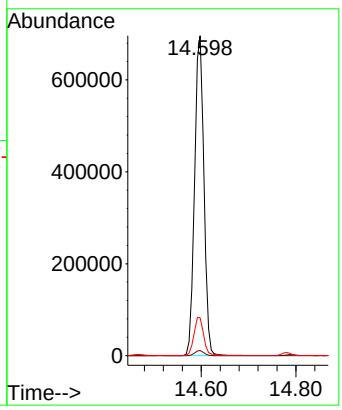




#85
Di-n-octyl phthalate
Concen: 64.953 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:149 Resp: 95147

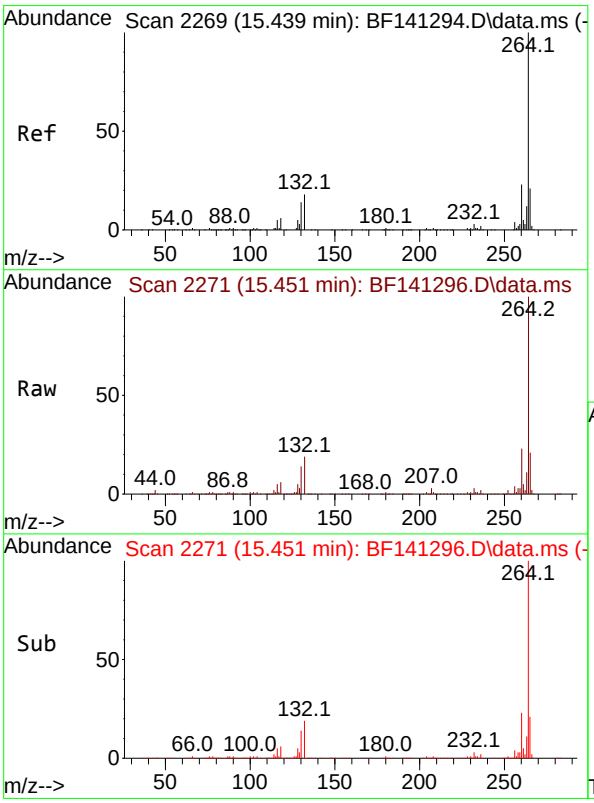
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

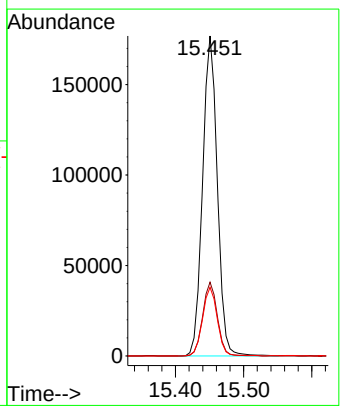
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

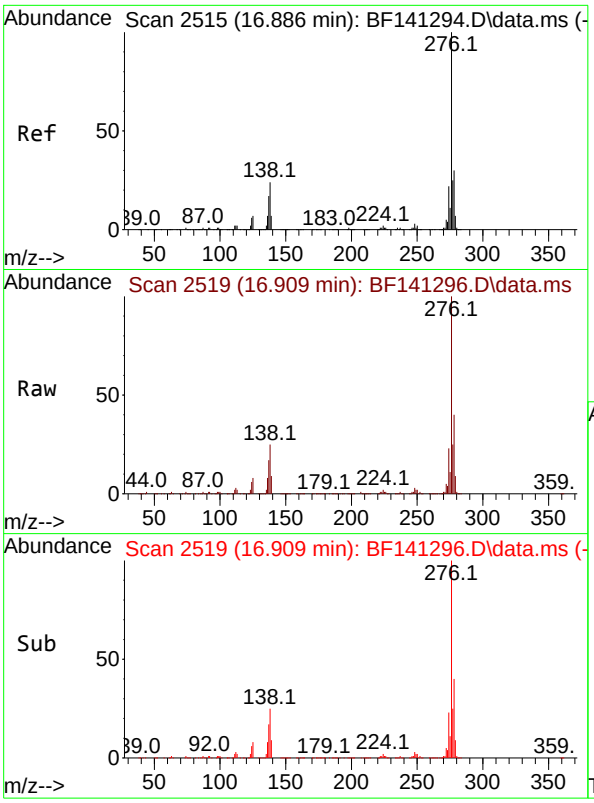


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:264 Resp: 265921

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.5	16.7	25.1

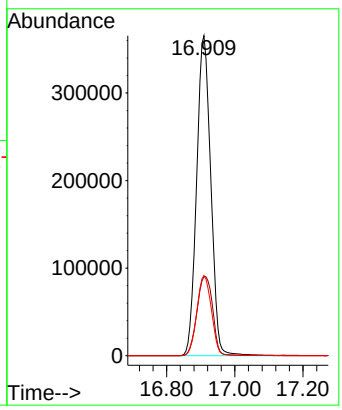




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.732 ng
RT: 16.909 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 105498

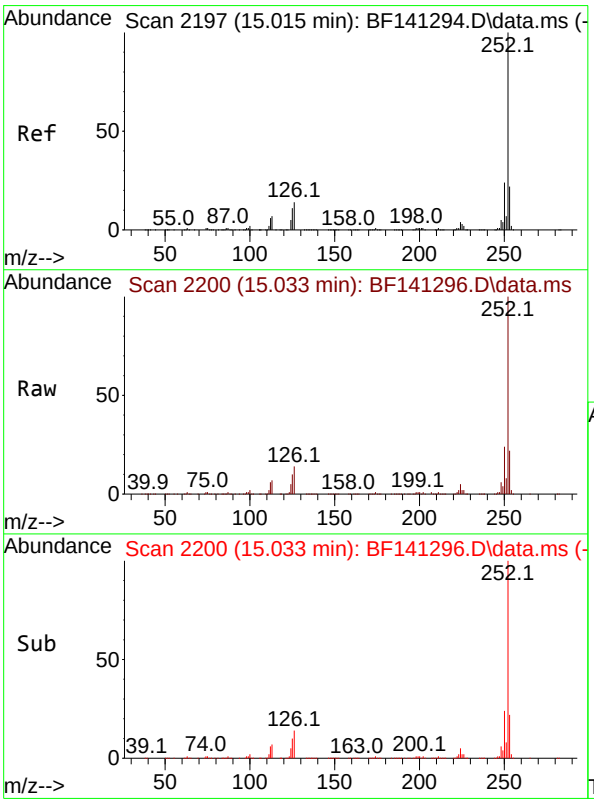
Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.7	32.5
277	25.8	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

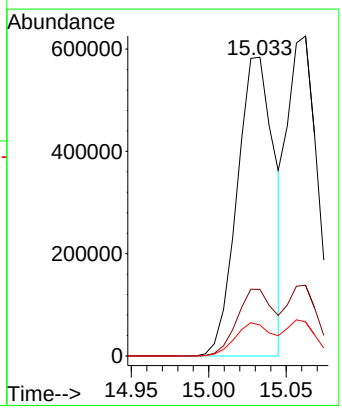
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

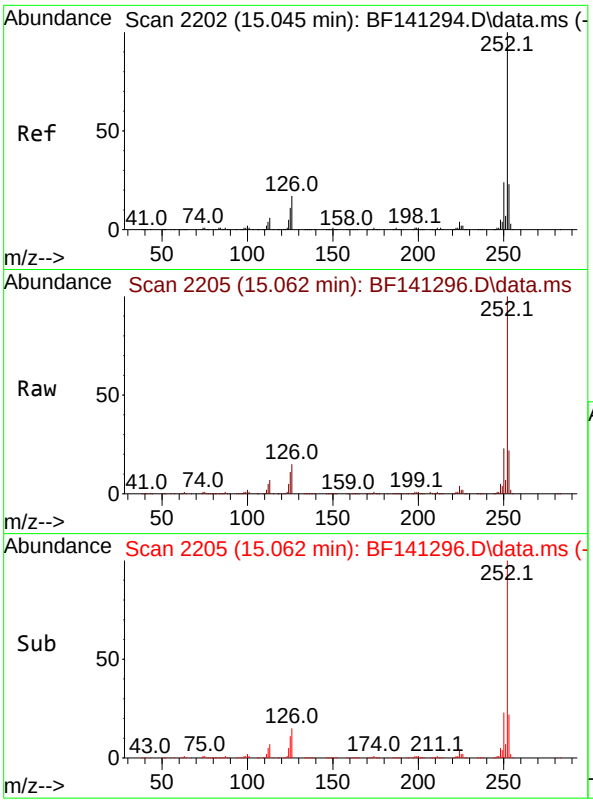


#88
Benzo(b)fluoranthene
Concen: 56.615 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 971433

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	10.3	8.6	12.8

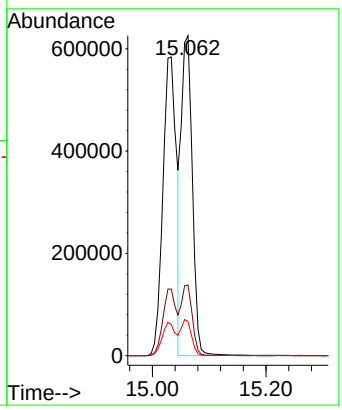




#89
Benzo(k)fluoranthene
Concen: 55.934 ng
RT: 15.062 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 84584

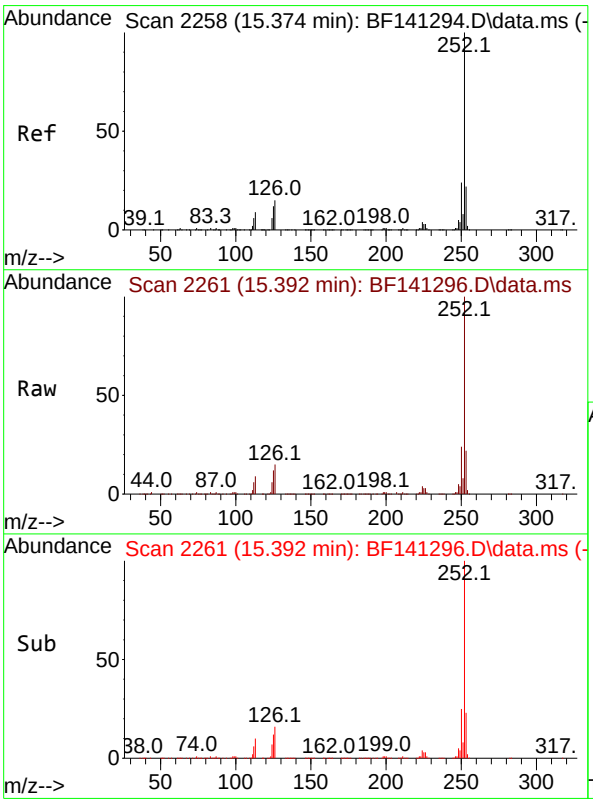
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

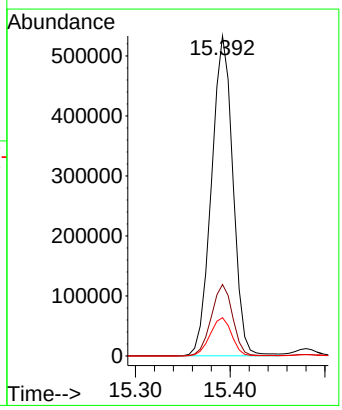
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

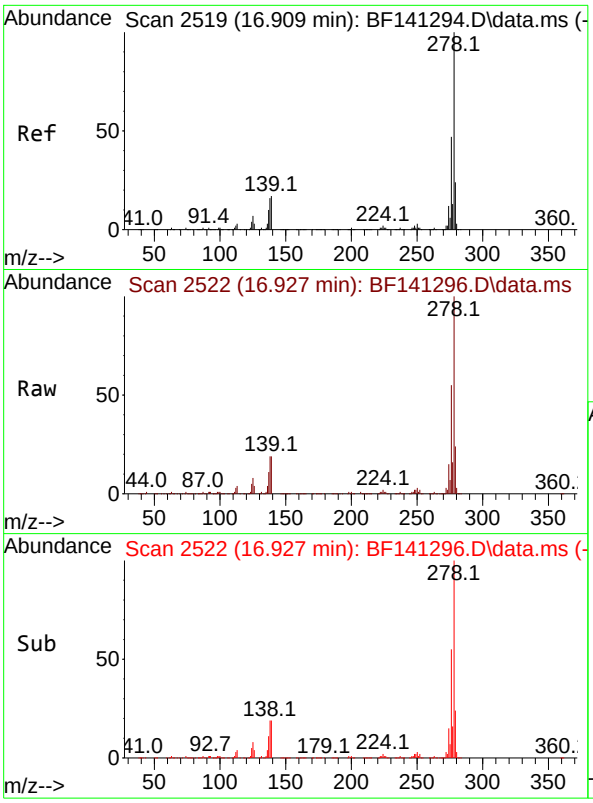


#90
Benzo(a)pyrene
Concen: 58.588 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:252 Resp: 838283

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.0	9.4	14.2

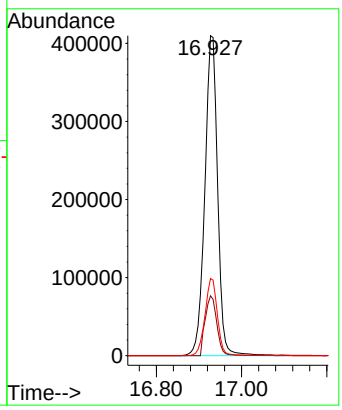




#91
Dibenzo(a,h)anthracene
Concen: 62.119 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:278 Resp: 85421

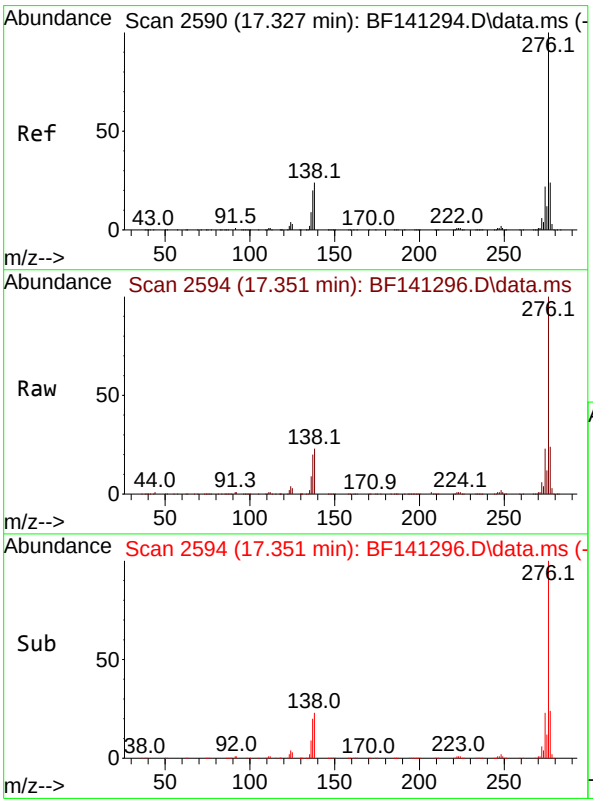
Ion	Ratio	Lower	Upper
278	100		
139	18.7	13.9	20.9
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

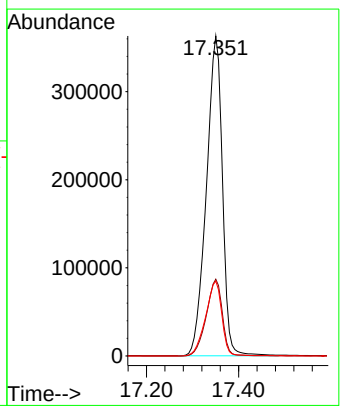
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025



#92
Benzo(g,h,i)perylene
Concen: 61.510 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF141296.D
Acq: 29 Jan 2025 16:38

Tgt Ion:276 Resp: 881804

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	129386	20.000	ng		0.00
21) Naphthalene-d8	8.087	136	500219	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	259556	20.000	ng		0.00
64) Phenanthrene-d10	11.328	188	415634	20.000	ng		0.00
76) Chrysene-d12	13.974	240	216592	20.000	ng		0.00
86) Perylene-d12	15.439	264	271797	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	1203835	140.330	ng		0.00
7) Phenol-d6	6.440	99	1526343	139.796	ng		0.00
23) Nitrobenzene-d5	7.369	82	1396346	145.214	ng		0.00
42) 2,4,6-Tribromophenol	10.634	330	337670	139.281	ng		0.00
45) 2-Fluorobiphenyl	9.163	172	2248567	129.739	ng		0.00
79) Terphenyl-d14	12.916	244	1910783	132.741	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.493	88	274366	73.111	ng		100
3) Pyridine	3.228	79	684346	76.095	ng		99
4) n-Nitrosodimethylamine	3.199	42	399245	77.974	ng		99
6) Aniline	6.469	93	607667	65.185	ng	#	86
8) 2-Chlorophenol	6.593	128	639957	69.519	ng		97
9) Benzaldehyde	6.351	77	376227	58.226	ng		100
10) Phenol	6.451	94	804078	69.411	ng		90
11) bis(2-Chloroethyl)ether	6.546	93	648287	73.535	ng		98
12) 1,3-Dichlorobenzene	6.746	146	704973	69.446	ng		99
13) 1,4-Dichlorobenzene	6.822	146	706528	69.256	ng		99
14) 1,2-Dichlorobenzene	6.975	146	641551	66.867	ng		99
15) Benzyl Alcohol	6.946	79	532270	71.549	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	1092827	70.953	ng		98
17) 2-Methylphenol	7.057	107	545097	73.368	ng		97
18) Hexachloroethane	7.316	117	265593	70.765	ng		97
19) n-Nitroso-di-n-propyla...	7.228	70	452303	69.874	ng		97
20) 3+4-Methylphenols	7.216	107	613997	66.467	ng		96
22) Acetophenone	7.216	105	824220	67.811	ng	#	96
24) Nitrobenzene	7.393	77	716200	71.762	ng		99
25) Isophorone	7.628	82	1229697	74.193	ng		99
26) 2-Nitrophenol	7.704	139	358664	76.912	ng		98
27) 2,4-Dimethylphenol	7.740	122	445560	74.779	ng		99
28) bis(2-Chloroethoxy)met...	7.840	93	767960	72.405	ng		99
29) 2,4-Dichlorophenol	7.945	162	525117	71.573	ng		100
30) 1,2,4-Trichlorobenzene	8.028	180	584061	69.437	ng		100
31) Naphthalene	8.110	128	1838789	68.107	ng		99
32) Benzoic acid	7.881	122	484583	91.066	ng		99
33) 4-Chloroaniline	8.157	127	636568	69.737	ng		99
34) Hexachlorobutadiene	8.222	225	348822	70.904	ng		99
35) Caprolactam	8.545	113	177093	74.270	ng		99
36) 4-Chloro-3-methylphenol	8.640	107	566827	72.094	ng		98
37) 2-Methylnaphthalene	8.798	142	1165995	67.926	ng		98
38) 1-Methylnaphthalene	8.898	142	1146275	67.988	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	531237	70.756	ng		100
41) Hexachlorocyclopentadiene	8.951	237	180658	83.336	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	360370	73.727	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration

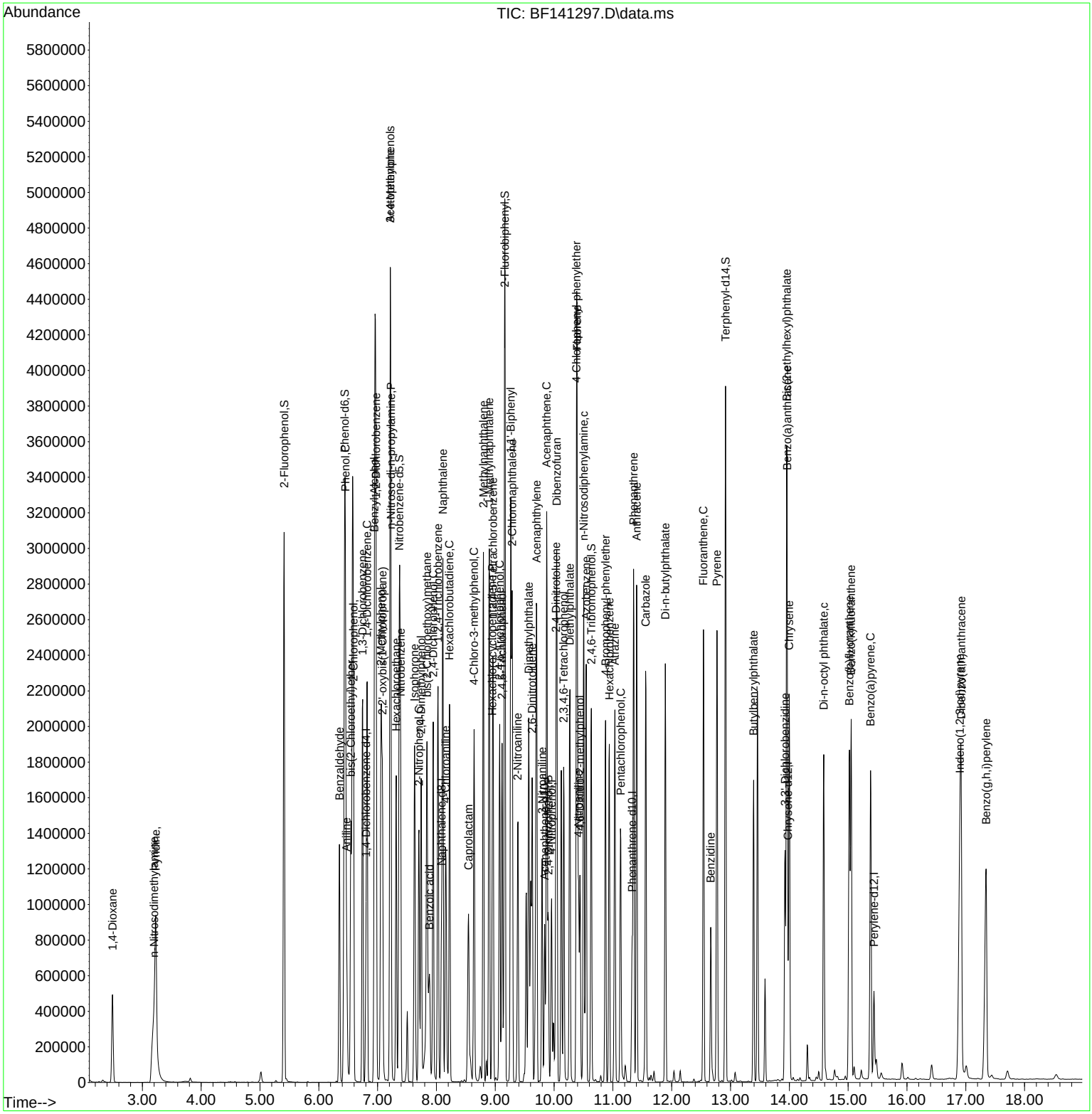
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	397887	74.958	ng	99
46) 1,1'-Biphenyl	9.263	154	1412015	68.298	ng	99
47) 2-Chloronaphthalene	9.287	162	1118593	69.578	ng	99
48) 2-Nitroaniline	9.381	65	378379	75.652	ng	97
49) Acenaphthylene	9.704	152	1552508	68.901	ng	99
50) Dimethylphthalate	9.569	163	1269770	71.308	ng	100
51) 2,6-Dinitrotoluene	9.628	165	300867	72.992	ng	99
52) Acenaphthene	9.875	154	1120345	69.700	ng	99
53) 3-Nitroaniline	9.798	138	274410	67.215	ng	99
54) 2,4-Dinitrophenol	9.904	184	169946	101.582	ng	99
55) Dibenzofuran	10.045	168	1451668	67.158	ng	98
56) 4-Nitrophenol	9.957	139	230369	78.788	ng	100
57) 2,4-Dinitrotoluene	10.034	165	375659	70.012	ng	93
58) Fluorene	10.392	166	1099129	65.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	302300	72.005	ng	98
60) Diethylphthalate	10.269	149	1189833	68.571	ng	99
61) 4-Chlorophenyl-phenyle...	10.381	204	541468	65.968	ng	99
62) 4-Nitroaniline	10.416	138	292019	73.604	ng	99
63) Azobenzene	10.545	77	1206328	69.582	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	217265	89.943	ng	96
66) n-Nitrosodiphenylamine	10.504	169	986121	72.353	ng	100
67) 4-Bromophenyl-phenylether	10.875	248	348615	74.136	ng	97
68) Hexachlorobenzene	10.939	284	361469	72.215	ng	97
69) Atrazine	11.033	200	372792	83.452	ng	99
70) Pentachlorophenol	11.133	266	235030	81.539	ng	99
71) Phenanthrene	11.351	178	1557660	68.257	ng	99
72) Anthracene	11.404	178	1535860	68.749	ng	99
73) Carbazole	11.557	167	1342447	67.630	ng	99
74) Di-n-butylphthalate	11.892	149	1626342	67.604	ng	99
75) Fluoranthene	12.539	202	1463196	64.490	ng	99
77) Benzidine	12.663	184	481470	67.834	ng	99
78) Pyrene	12.769	202	1450076	68.287	ng	100
80) Butylbenzylphthalate	13.392	149	528754	71.721	ng	99
81) Benzo(a)anthracene	13.963	228	1095972	72.323	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	389044	82.157	ng	99
83) Chrysene	13.998	228	1048083	75.964	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	662151	70.666	ng	99
85) Di-n-octyl phthalate	14.586	149	1171131	82.148	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1399119	79.715	ng	100
88) Benzo(b)fluoranthene	15.021	252	1235245	71.102	ng	100
89) Benzo(k)fluoranthene	15.051	252	1146296	75.010	ng	100
90) Benzo(a)pyrene	15.380	252	1098491	75.410	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	1117397	79.035	ng	99
92) Benzo(g,h,i)perylene	17.345	276	1155250	78.512	ng	100

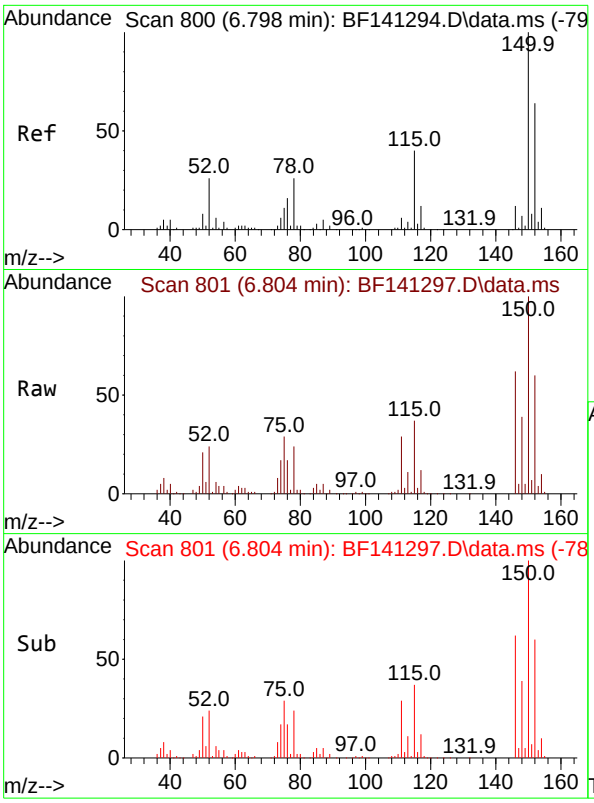
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141297.D
Acq On : 29 Jan 2025 17:05
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 29 17:32:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:26:12 2025
Response via : Initial Calibration



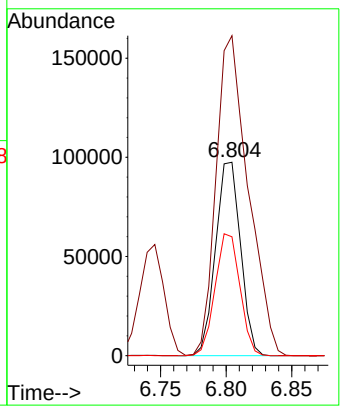


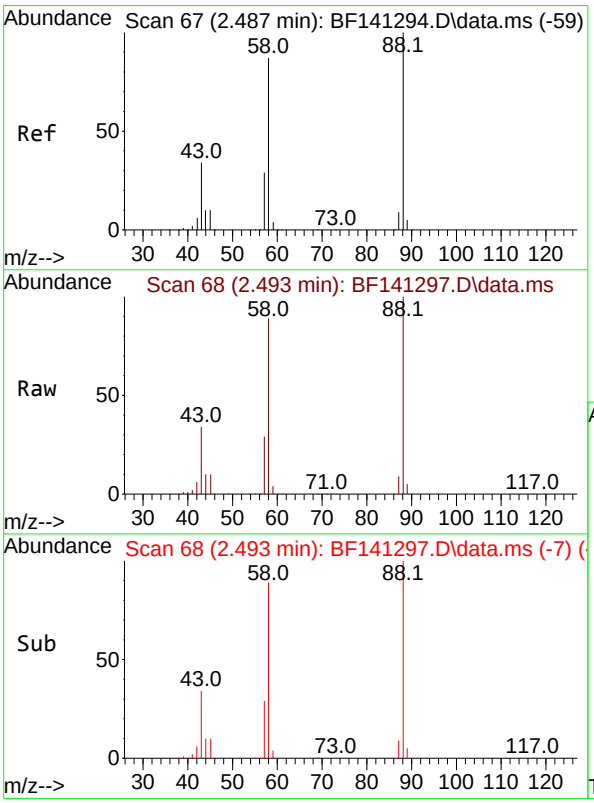
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 129386

Ion	Ratio	Lower	Upper
152	100		
150	165.5	125.9	188.9
115	61.4	49.7	74.5

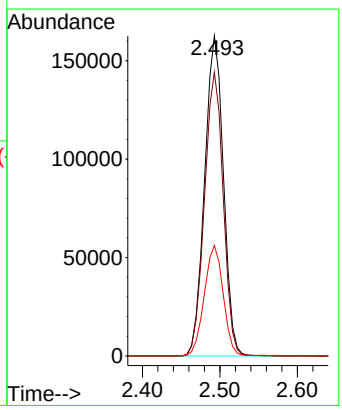


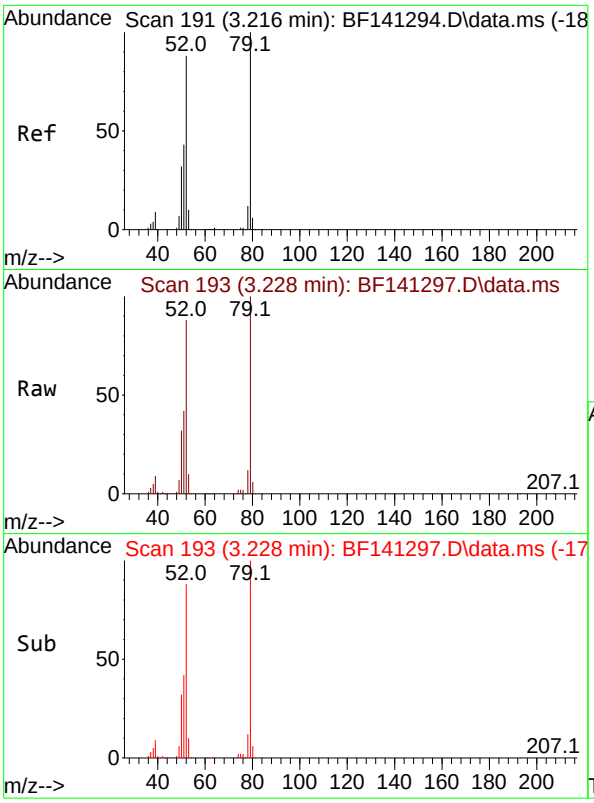


#2
1,4-Dioxane
Concen: 73.111 ng
RT: 2.493 min Scan# 68
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 88 Resp: 274366

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.4
43	34.3	27.6	41.4



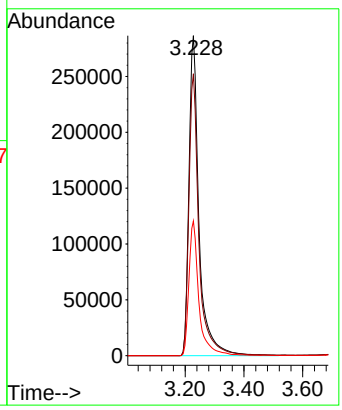


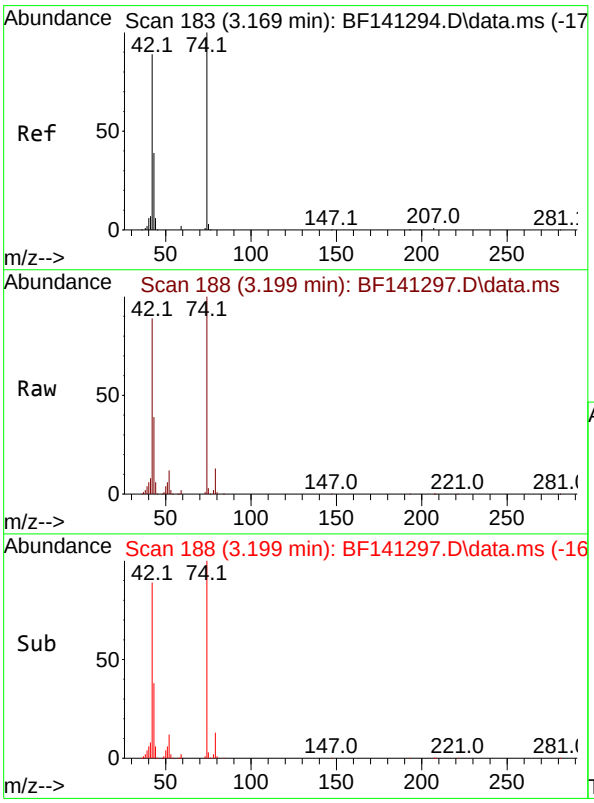
#3
Pyridine
Concen: 76.095 ng
RT: 3.228 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 684346

Ion	Ratio	Lower	Upper
79	100		
52	88.1	70.3	105.5
51	42.1	34.3	51.5

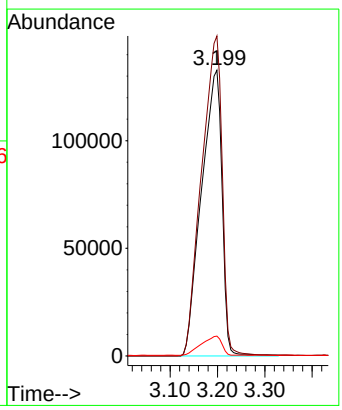


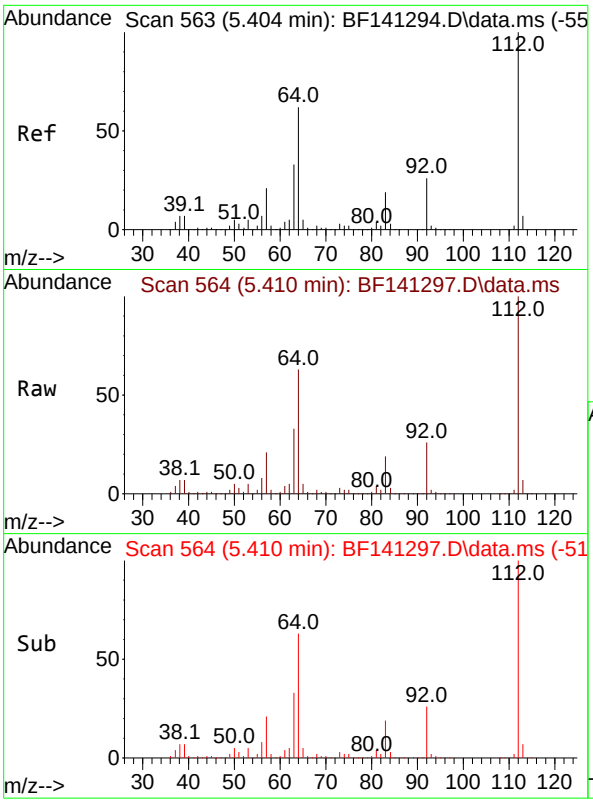


#4
n-Nitrosodimethylamine
Concen: 77.974 ng
RT: 3.199 min Scan# 188
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 42 Resp: 399245

Ion	Ratio	Lower	Upper
42	100		
74	112.0	90.3	135.5
44	6.9	5.7	8.5



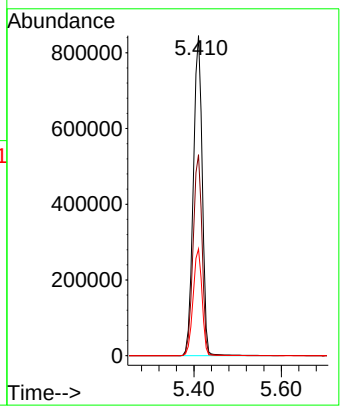


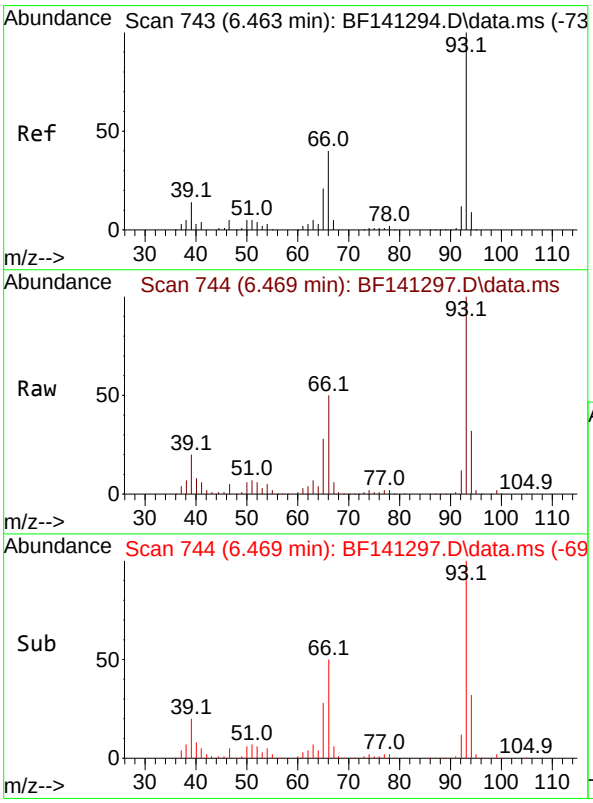
#5
2-Fluorophenol
Concen: 140.330 ng
RT: 5.410 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1203835

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.8	74.8
63	33.4	26.1	39.1

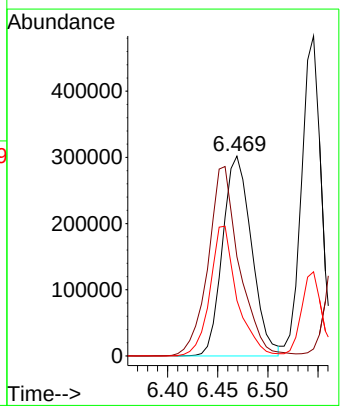


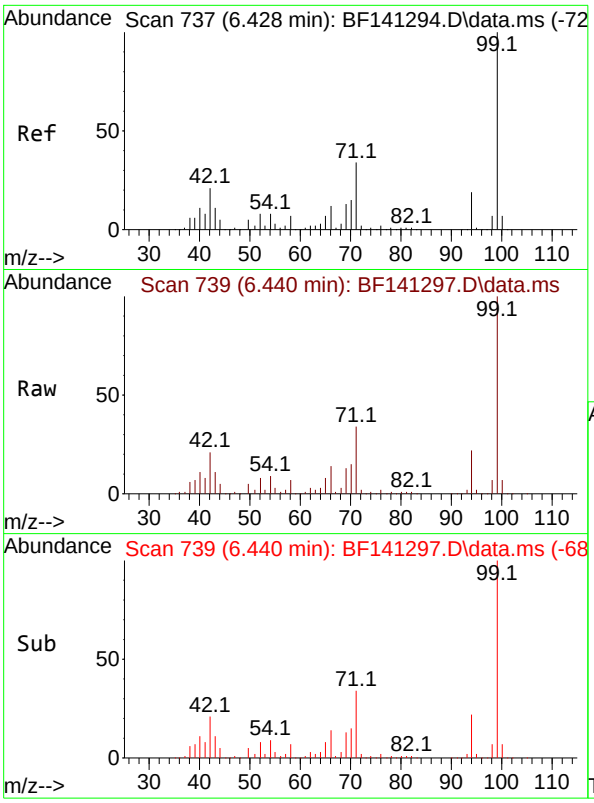


#6
Aniline
Concen: 65.185 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 607667

Ion	Ratio	Lower	Upper
93	100		
66	49.7	32.5	48.7#
65	27.8	17.0	25.6#



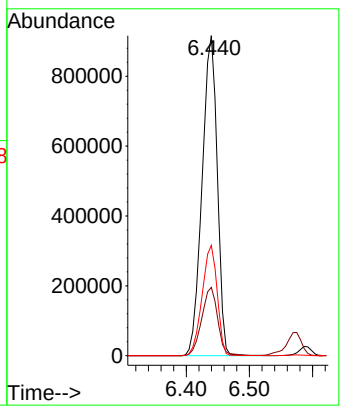


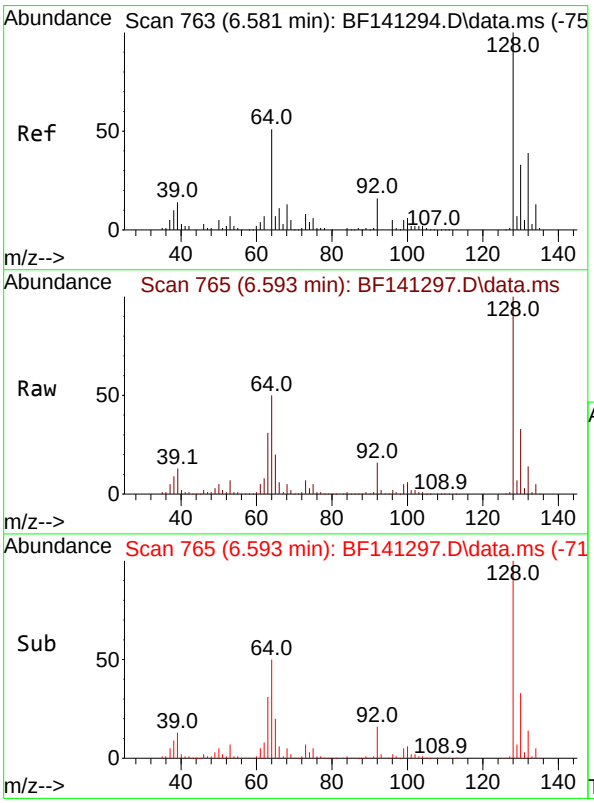
#7
Phenol-d6
Concen: 139.796 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1526343

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.1	25.7
71	34.4	26.9	40.3

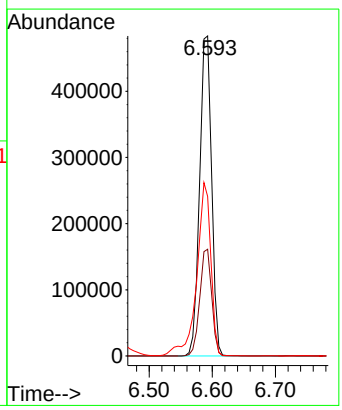


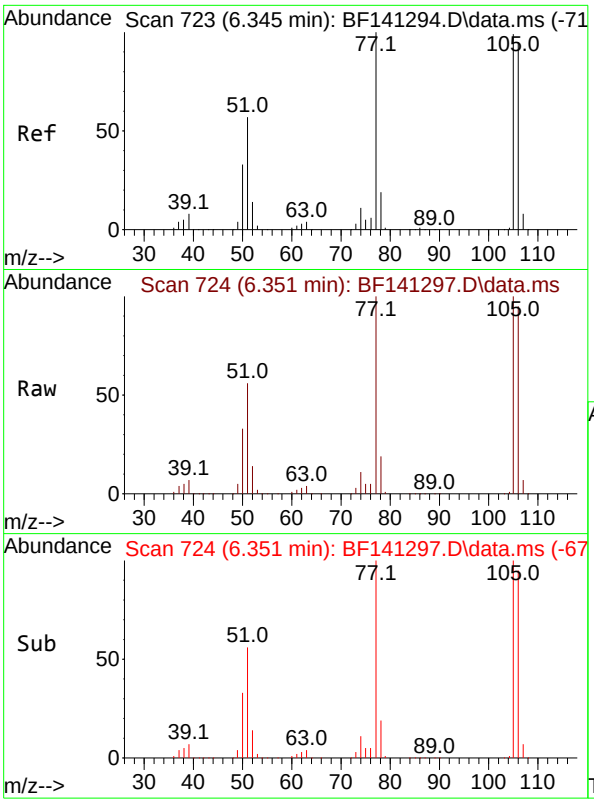


#8
2-Chlorophenol
Concen: 69.519 ng
RT: 6.593 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:128 Resp: 639957

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	49.8	32.9	72.9



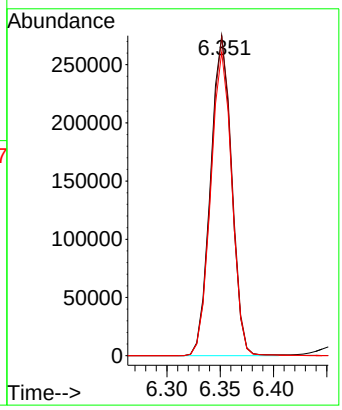


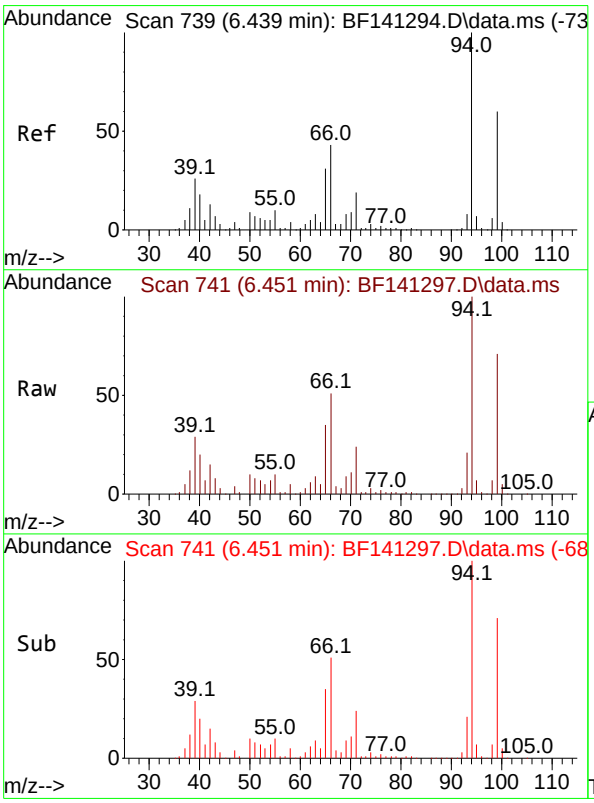
#9
Benzaldehyde
Concen: 58.226 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 376227

Ion	Ratio	Lower	Upper
77	100		
105	99.7	79.4	119.4
106	94.9	74.6	114.6

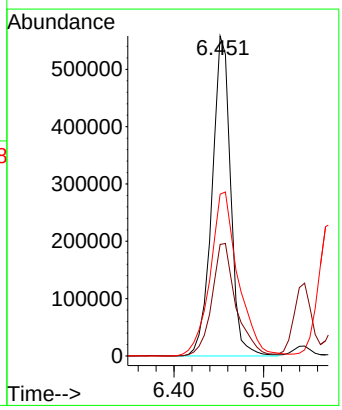


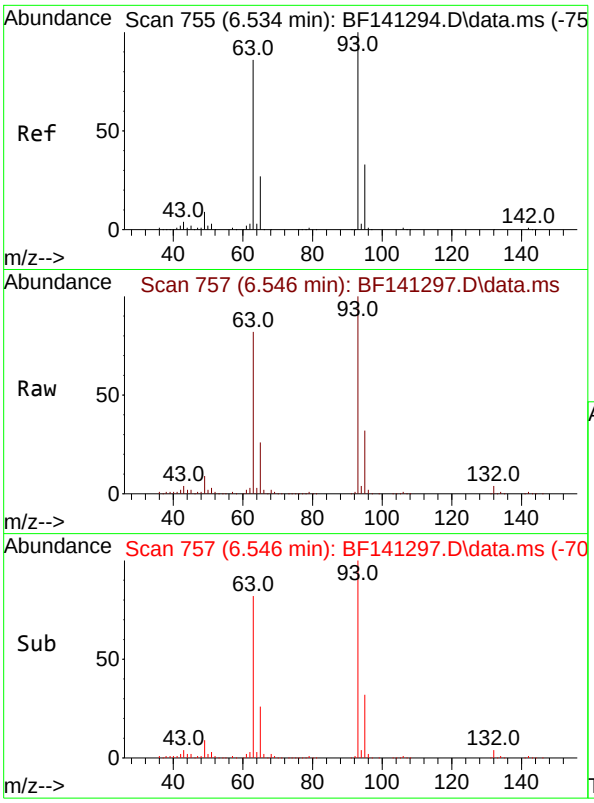


#10
Phenol
Concen: 69.411 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 94 Resp: 804078

Ion	Ratio	Lower	Upper
94	100		
65	34.9	10.8	50.8
66	50.6	23.3	63.3



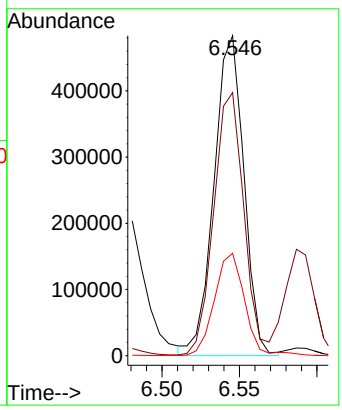


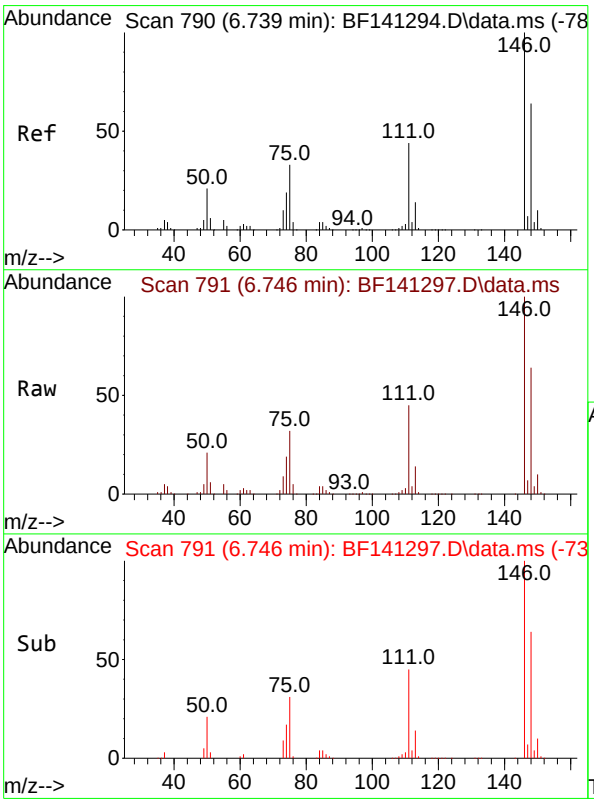
#11
bis(2-Chloroethyl)ether
Concen: 73.535 ng
RT: 6.546 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 648287

Ion	Ratio	Lower	Upper
93	100		
63	82.2	65.0	105.0
95	32.0	12.4	52.4

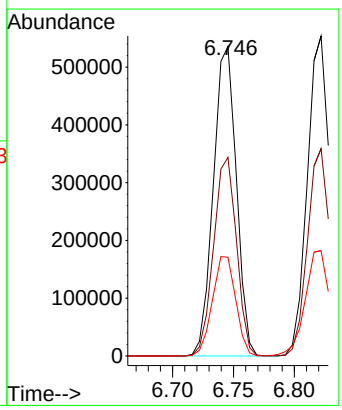


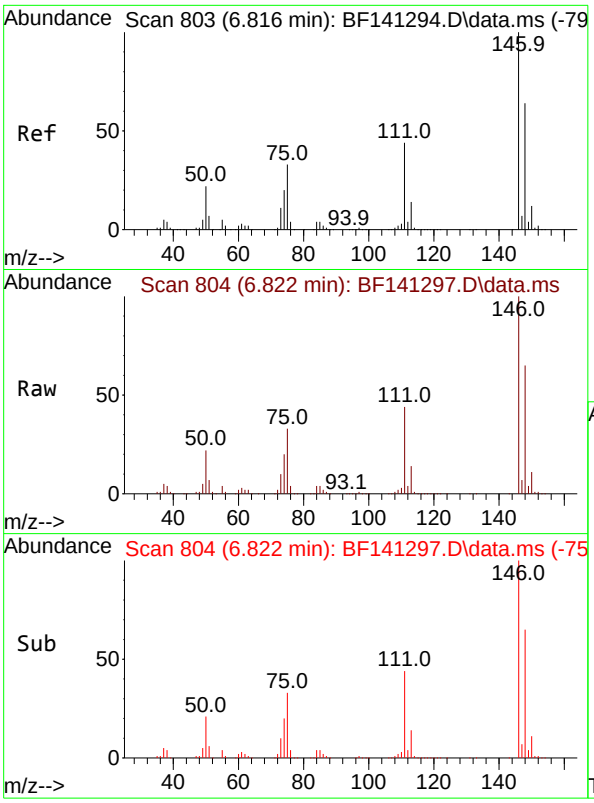


#12
1,3-Dichlorobenzene
Concen: 69.446 ng
RT: 6.746 min Scan# 791
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 704973

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	31.9	26.2	39.4



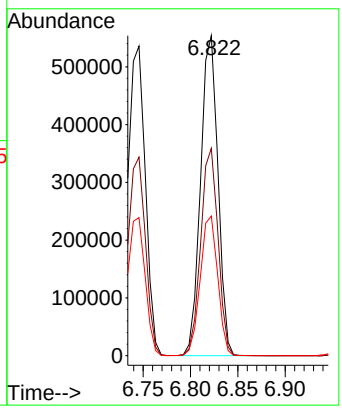


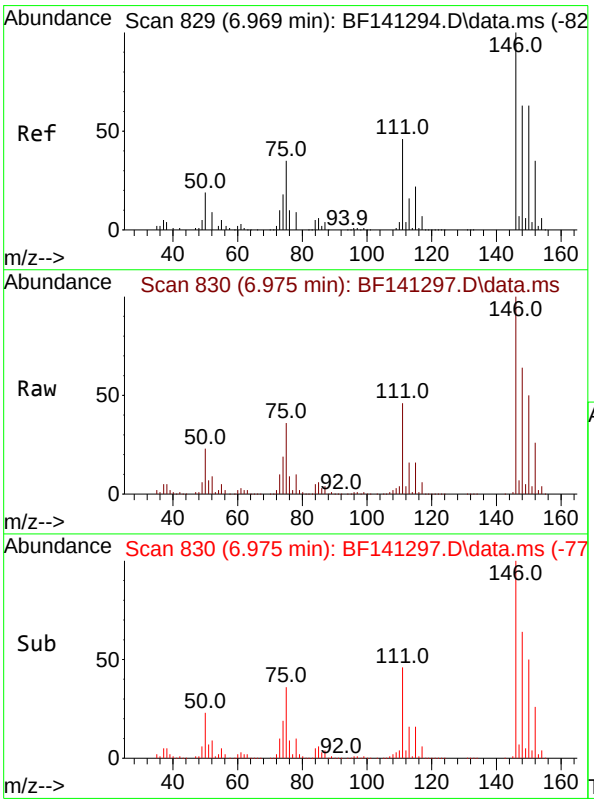
#13
1,4-Dichlorobenzene
Concen: 69.256 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 706528

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	43.6	35.0	52.4

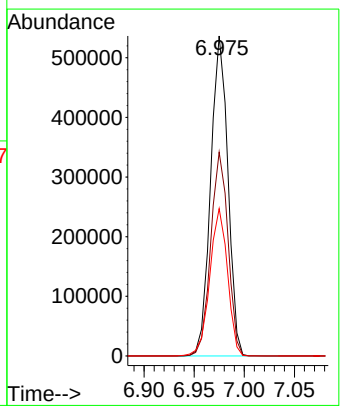


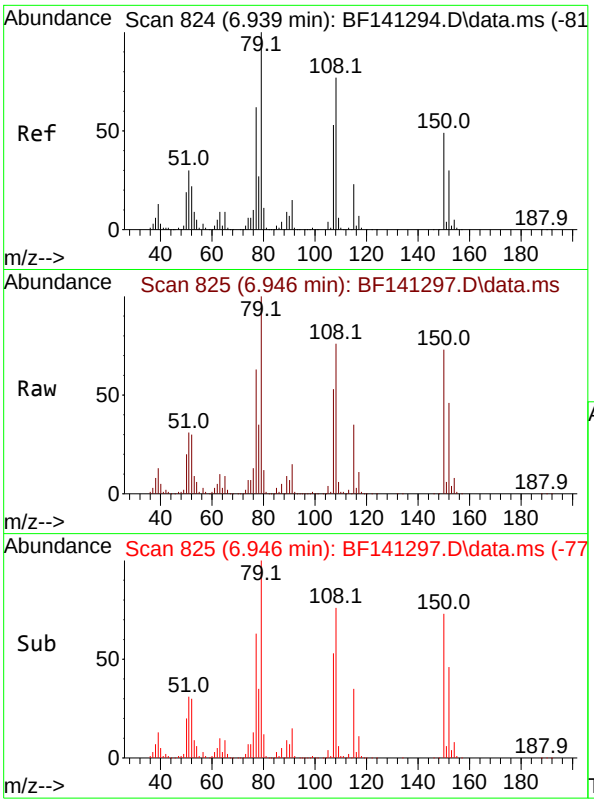


#14
1,2-Dichlorobenzene
Concen: 66.867 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:146 Resp: 641551

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	46.1	36.6	55.0



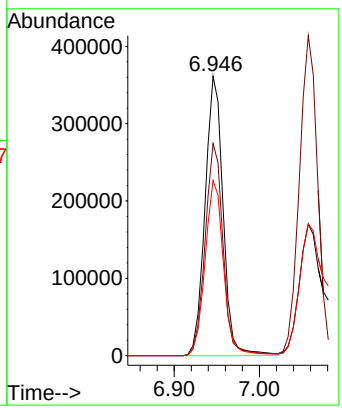


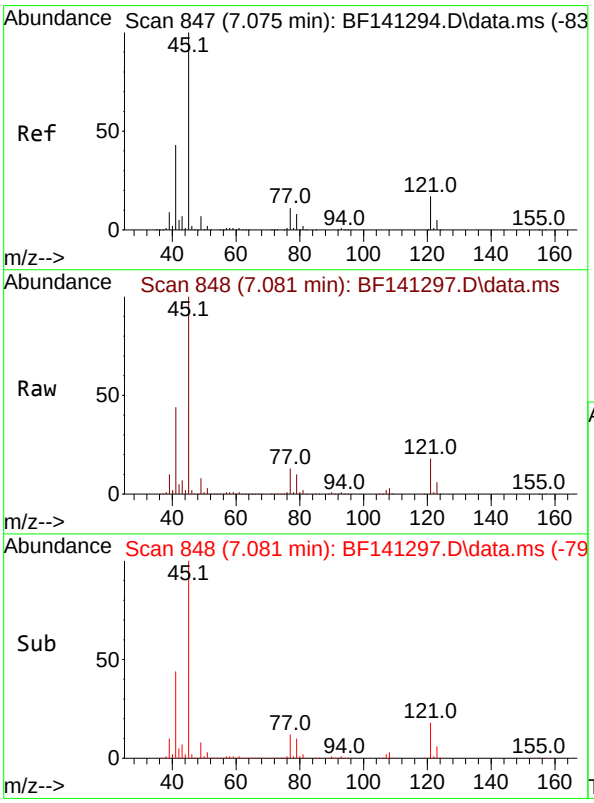
#15
Benzyl Alcohol
Concen: 71.549 ng
RT: 6.946 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 532270

Ion	Ratio	Lower	Upper
79	100		
108	75.9	61.4	92.0
77	62.7	49.9	74.9

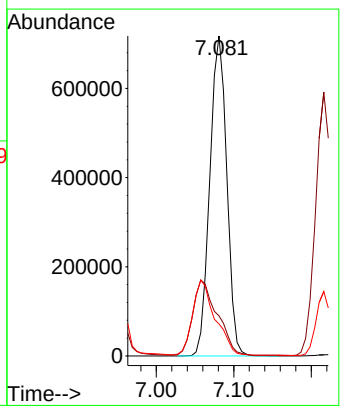


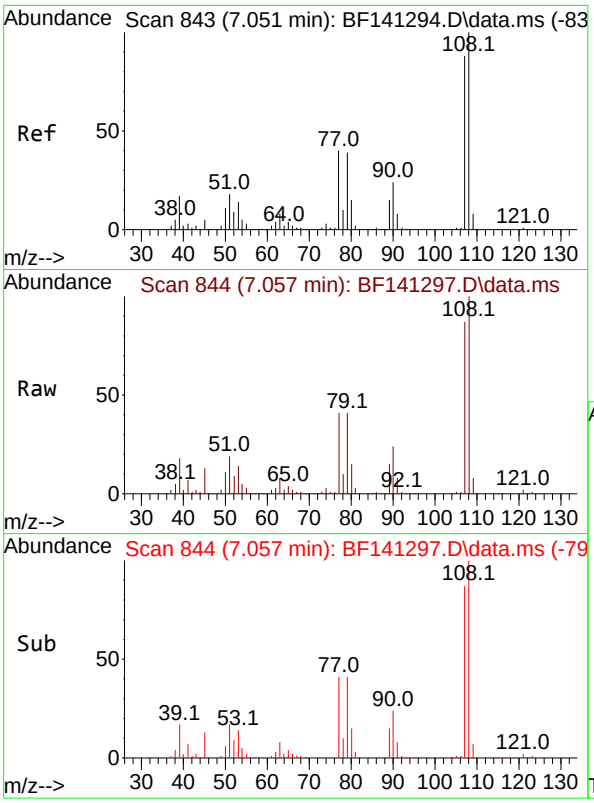


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.953 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 45 Resp: 1092827

Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	31.8
79	10.0	0.0	29.1



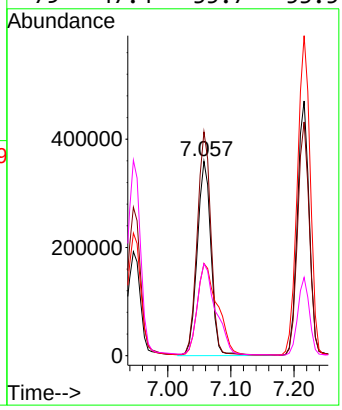


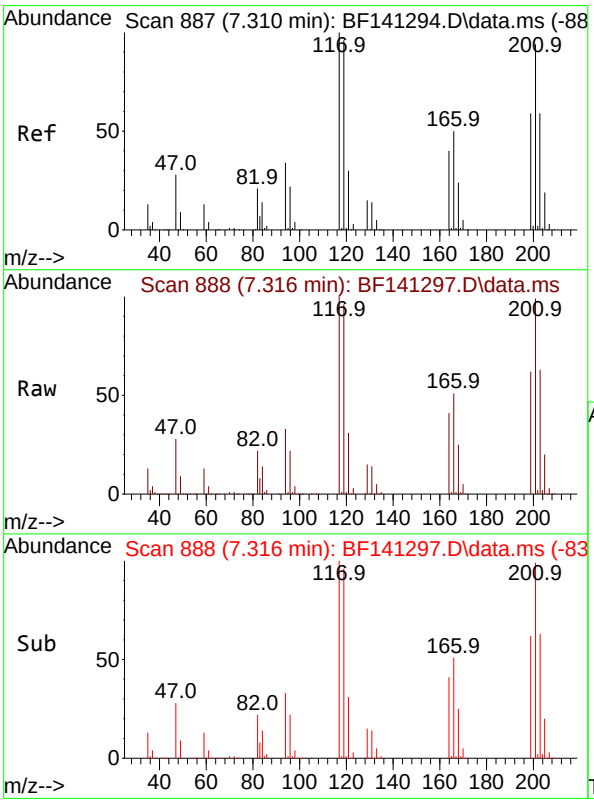
#17
2-Methylphenol
Concen: 73.368 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 545097

Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.8	136.2
77	47.5	36.2	54.4
79	47.4	35.7	53.5

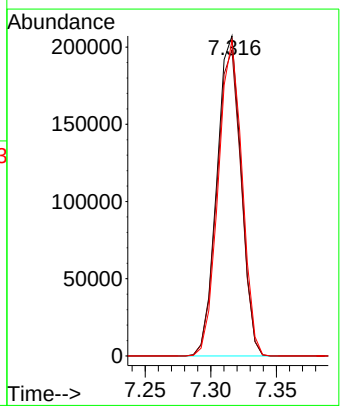


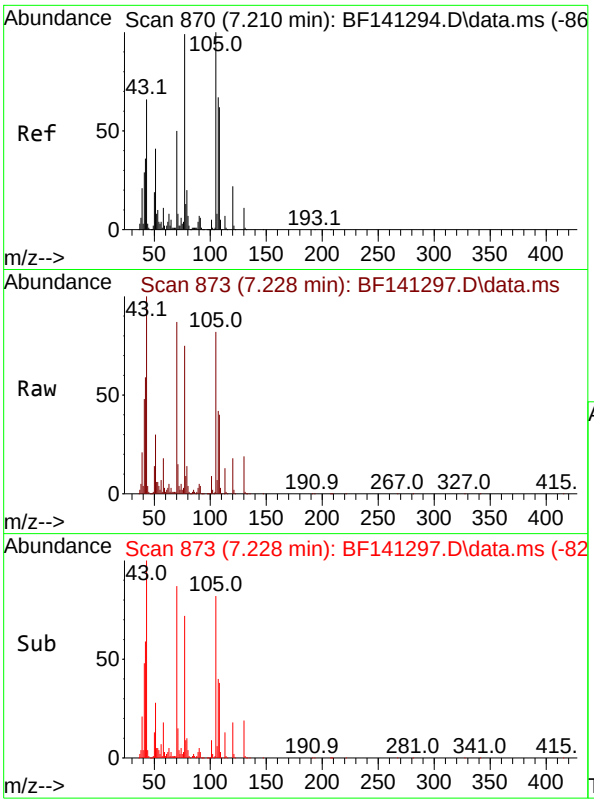


#18
Hexachloroethane
Concen: 70.765 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:117 Resp: 265593

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
201	98.6	74.8	112.2



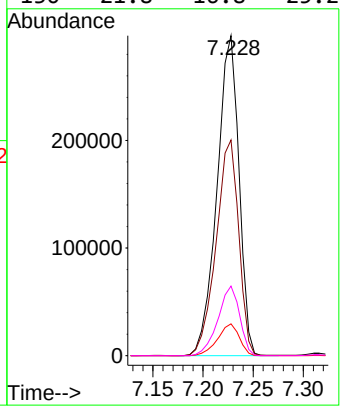


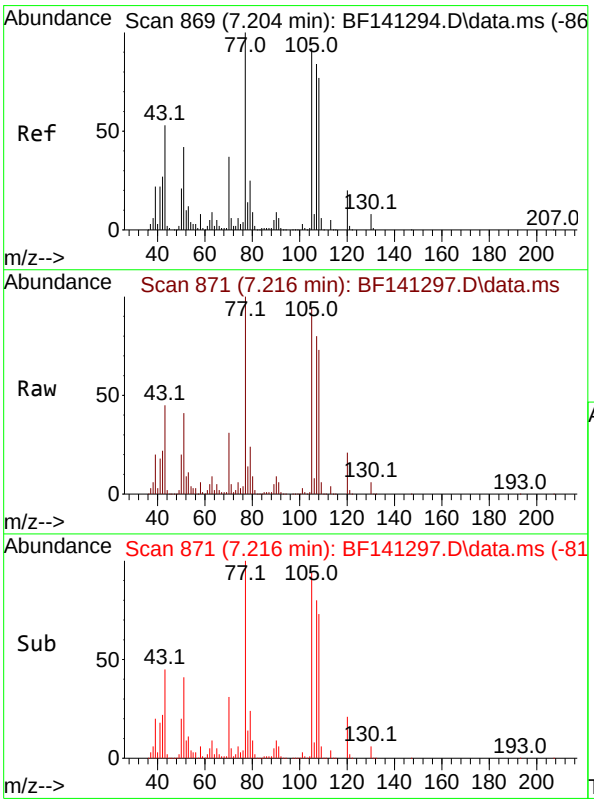
#19
n-Nitroso-di-n-propylamine
Concen: 69.874 ng
RT: 7.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 452303

Ion	Ratio	Lower	Upper
70	100		
42	67.4	56.8	85.2
101	9.9	7.7	11.5
130	21.8	16.8	25.2

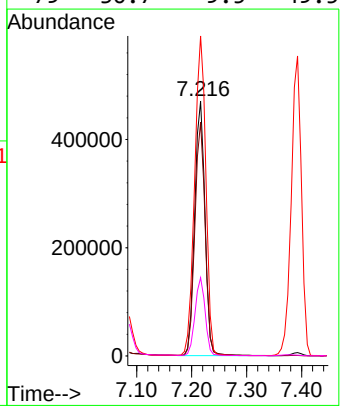


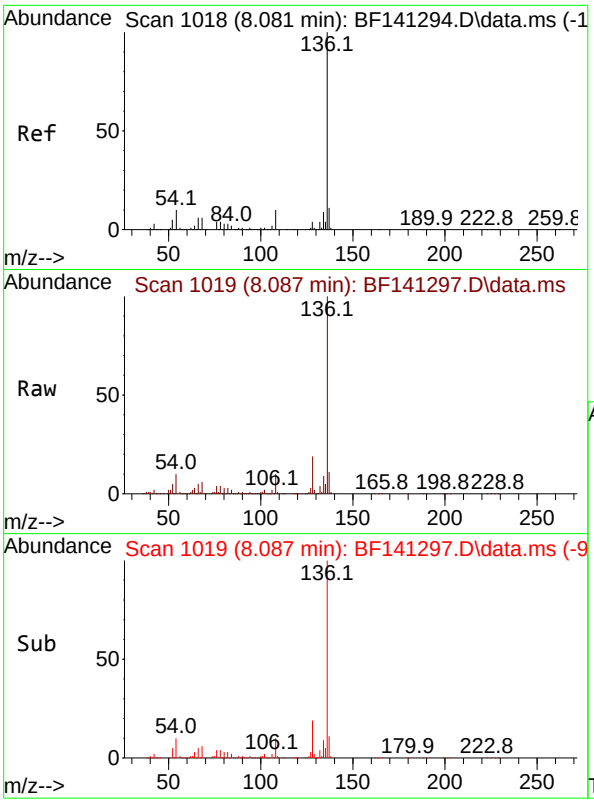


#20
3+4-Methylphenols
Concen: 66.467 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 613997

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.9	110.9
77	125.6	98.5	138.5
79	30.7	9.5	49.5



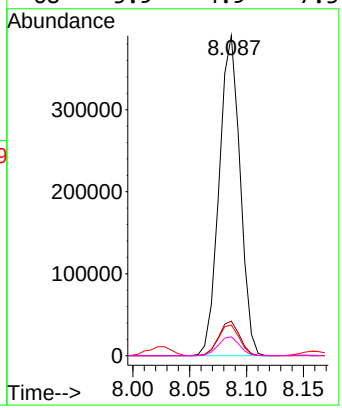


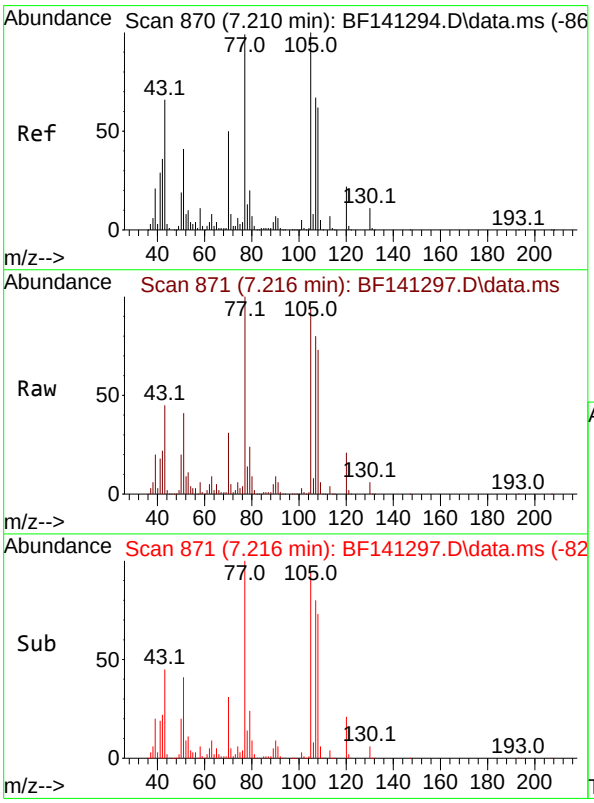
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 500219

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	7.8	11.8
68	5.9	4.9	7.3

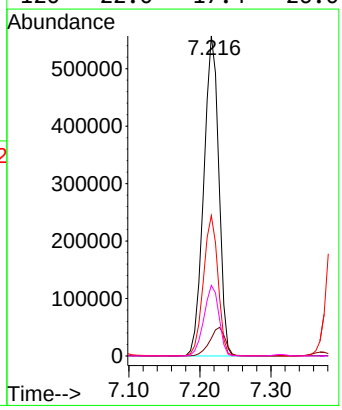


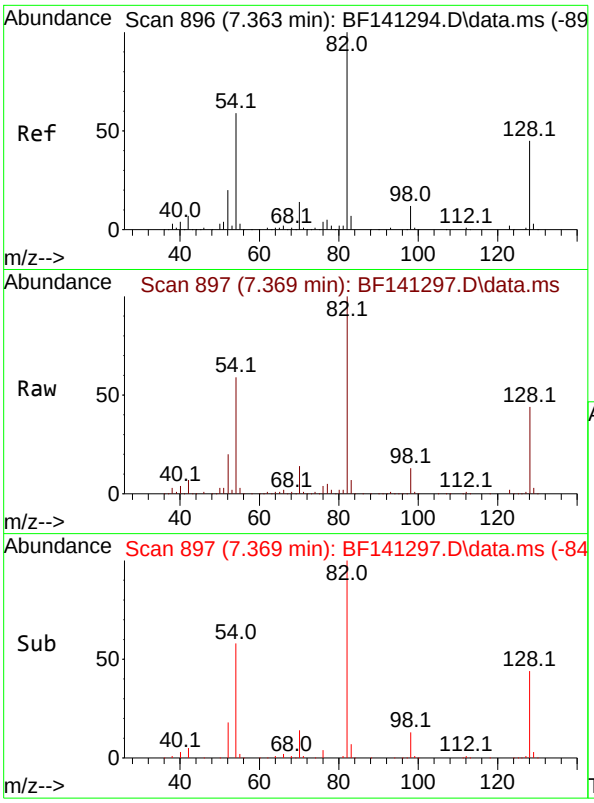


#22
Acetophenone
Concen: 67.811 ng
RT: 7.216 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:105 Resp: 824220

Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.8	10.2#
51	43.9	32.6	49.0
120	22.0	17.4	26.0



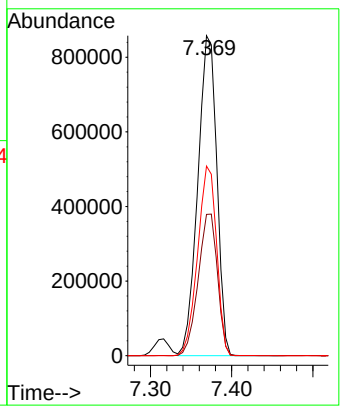


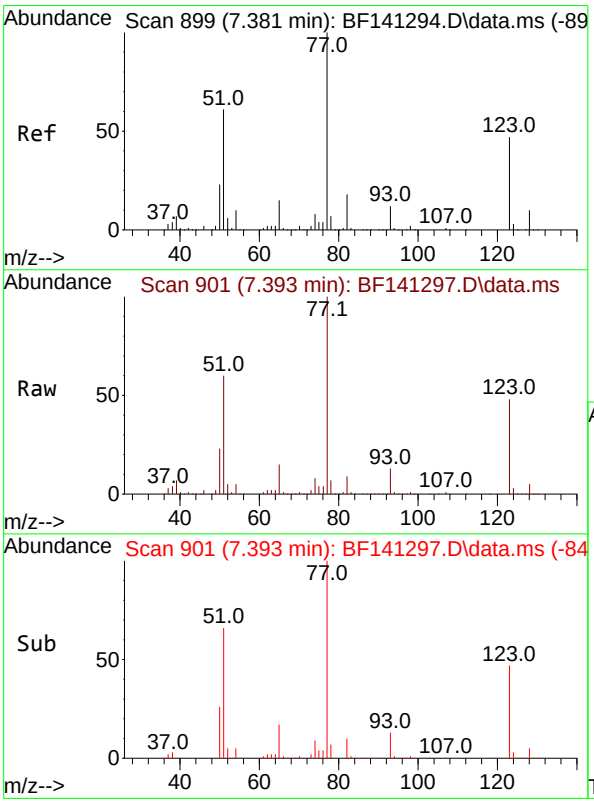
#23
Nitrobenzene-d5
Concen: 145.214 ng
RT: 7.369 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1396346

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	59.3	47.1	70.7

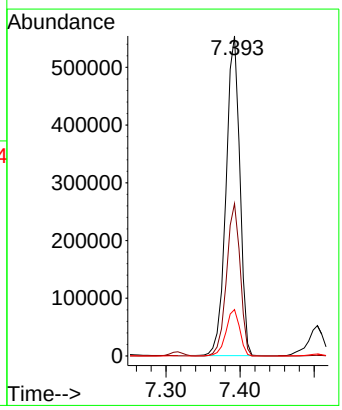


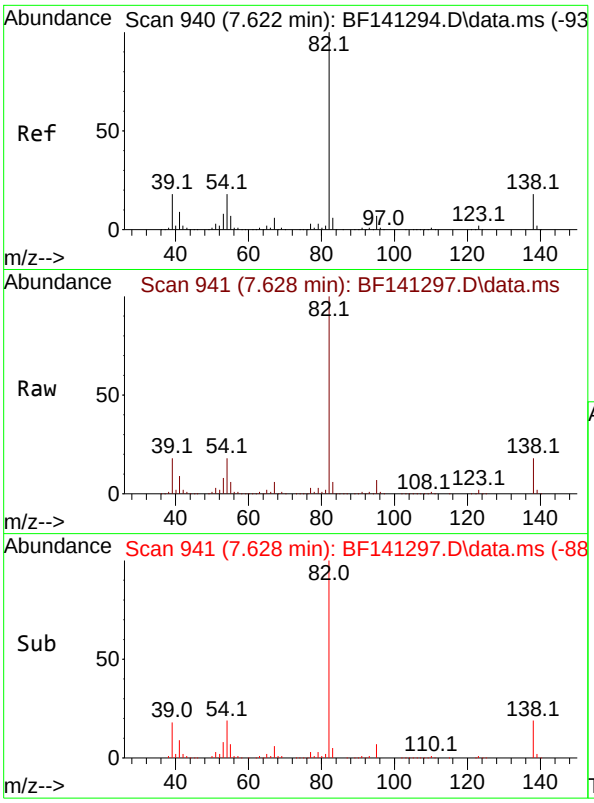


#24
Nitrobenzene
Concen: 71.762 ng
RT: 7.393 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 77 Resp: 716200

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.3	55.9
65	14.5	11.8	17.6



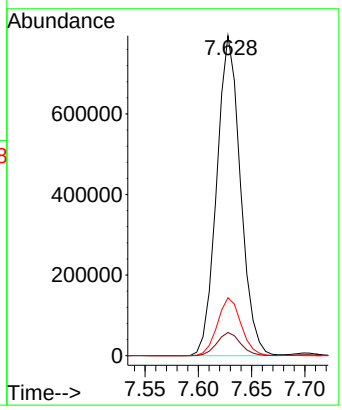


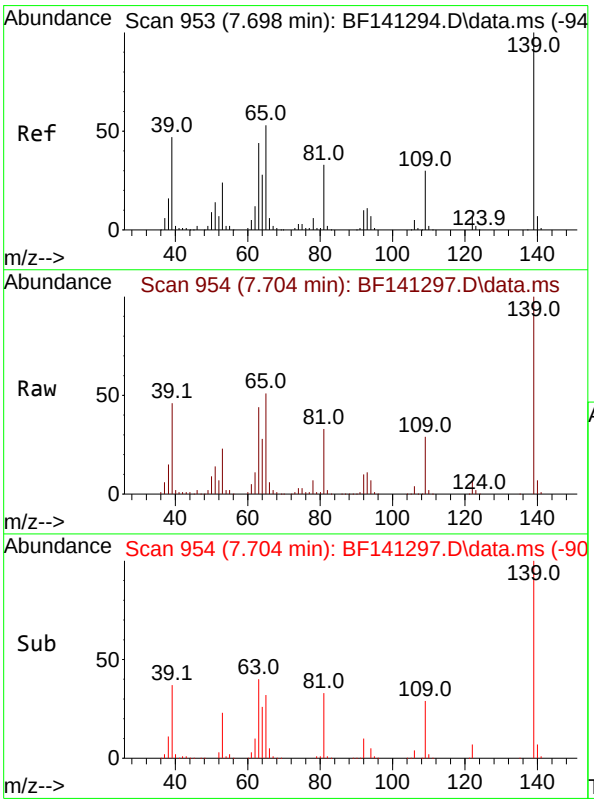
#25
Isophorone
Concen: 74.193 ng
RT: 7.628 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1229697

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.1	14.7	22.1

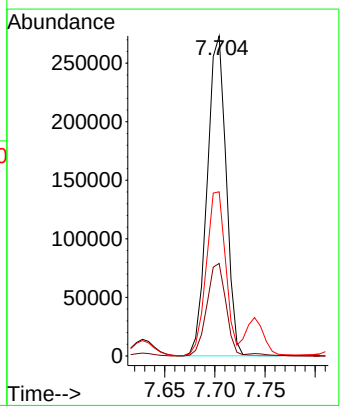


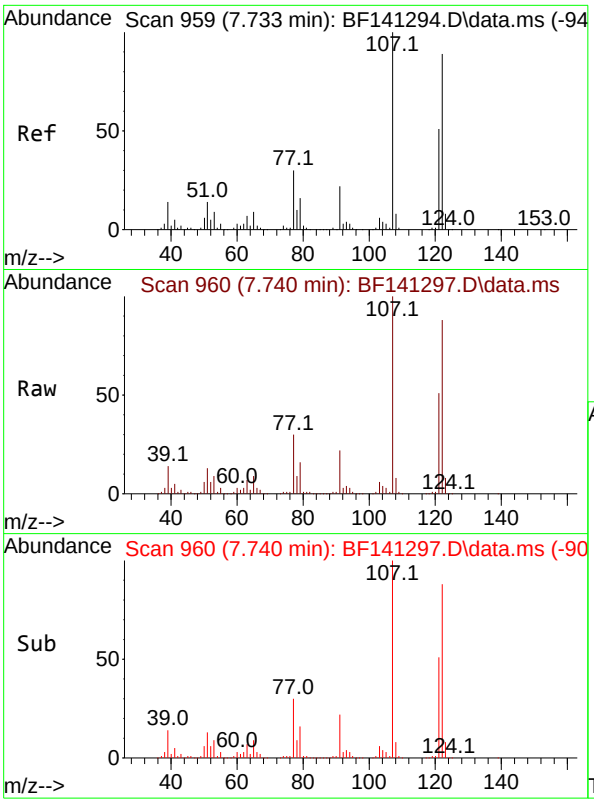


#26
2-Nitrophenol
Concen: 76.912 ng
RT: 7.704 min Scan# 954
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 358664

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.3	42.2	63.4



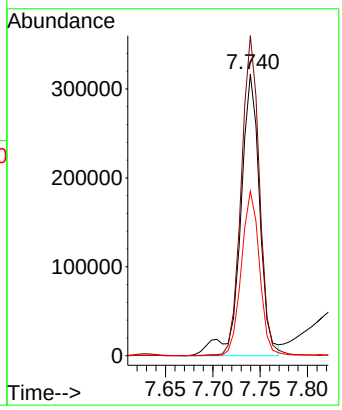


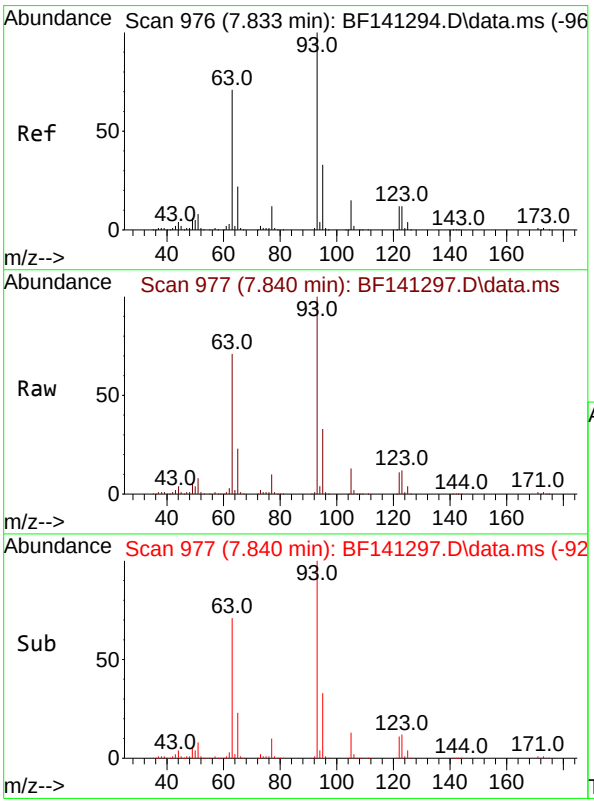
#27
2,4-Dimethylphenol
Concen: 74.779 ng
RT: 7.740 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 445560

Ion	Ratio	Lower	Upper
122	100		
107	113.7	89.9	134.9
121	58.5	46.1	69.1

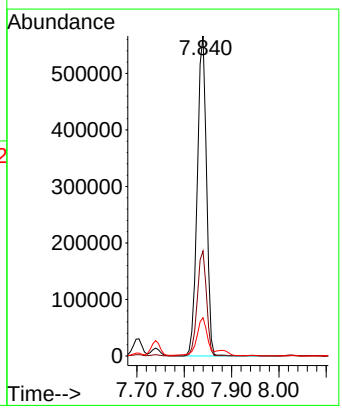


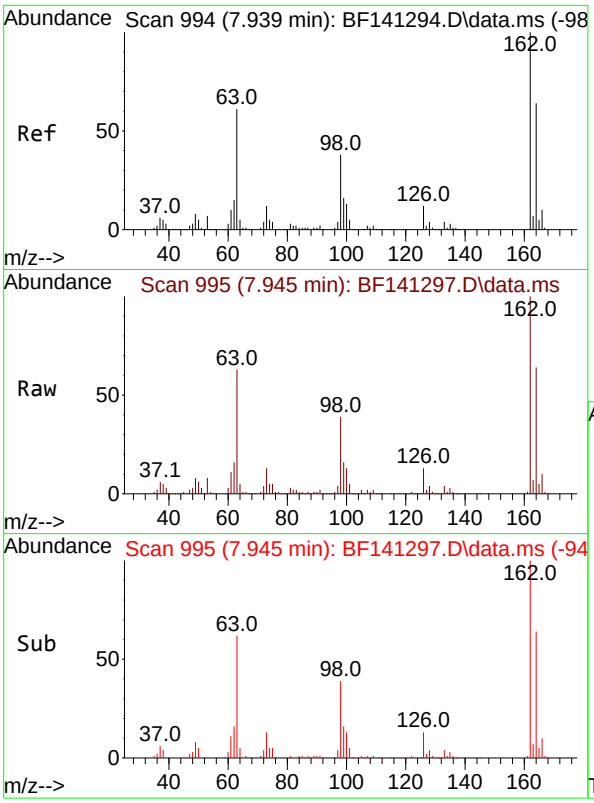


#28
bis(2-Chloroethoxy)methane
Concen: 72.405 ng
RT: 7.840 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 93 Resp: 767960

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.2
123	12.0	10.2	15.4



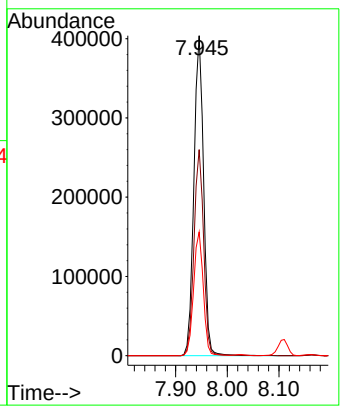


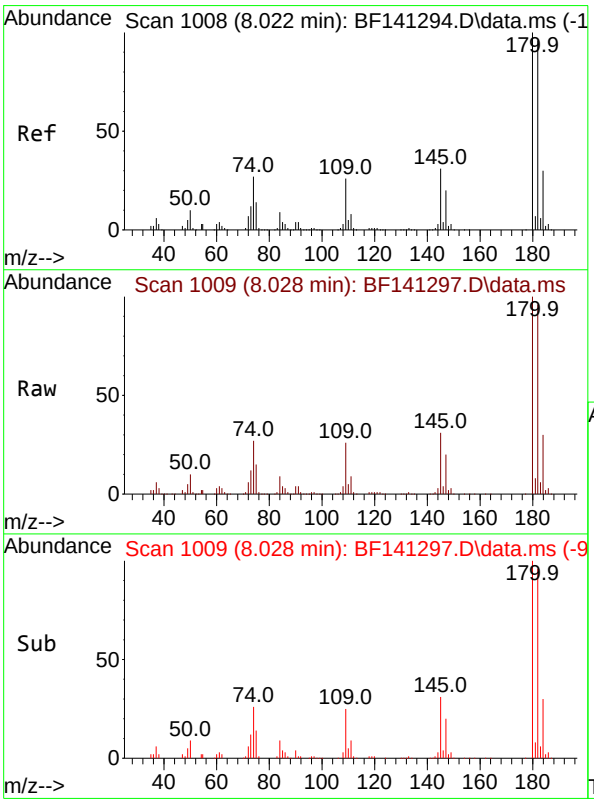
#29
2,4-Dichlorophenol
Concen: 71.573 ng
RT: 7.945 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 525117

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.6	18.2	58.2

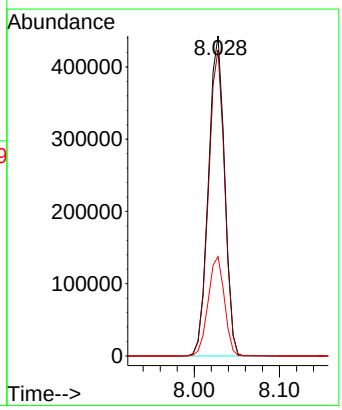


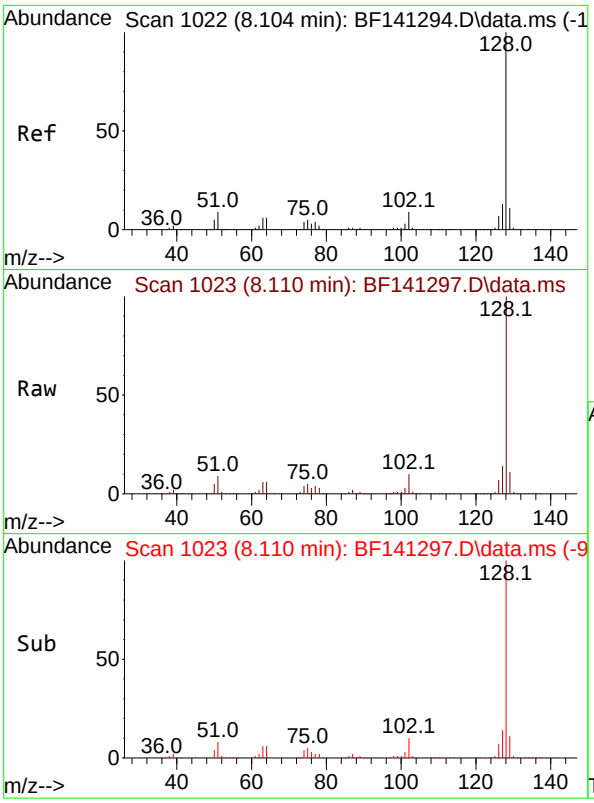


#30
1,2,4-Trichlorobenzene
Concen: 69.437 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:180 Resp: 584061

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.0	24.9	37.3



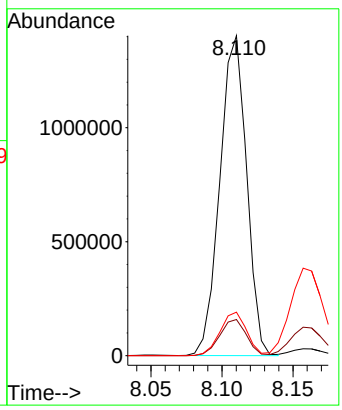


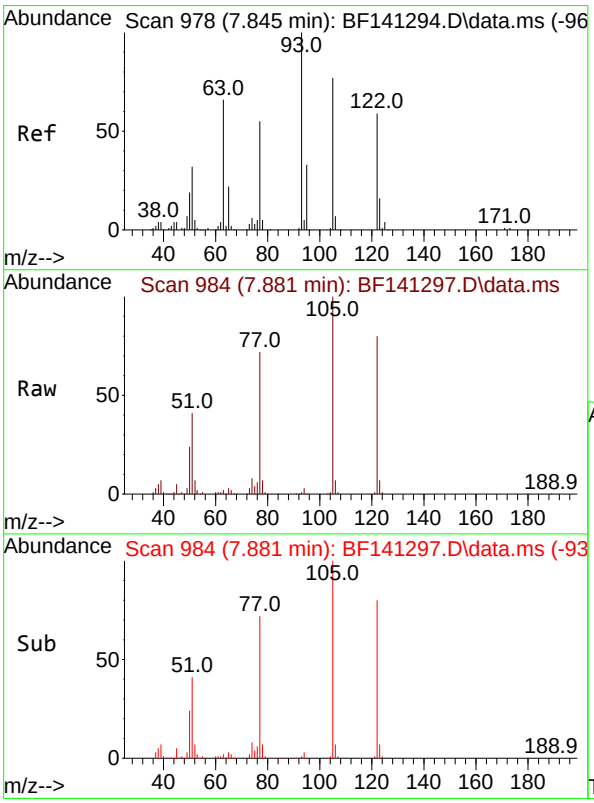
#31
Naphthalene
Concen: 68.107 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1838789

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

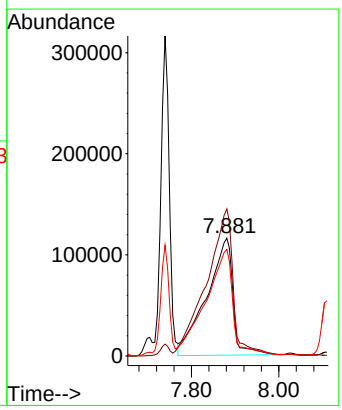


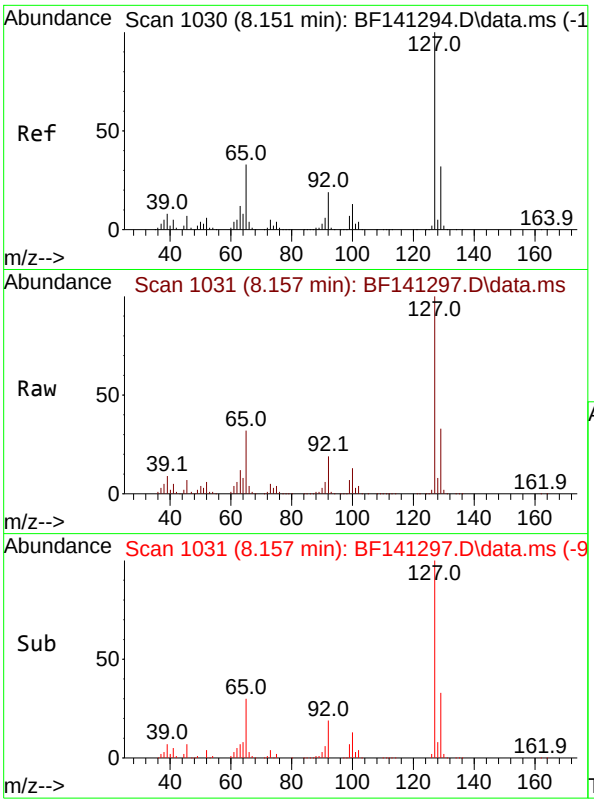


#32
Benzoic acid
Concen: 91.066 ng
RT: 7.881 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:122 Resp: 484583

Ion	Ratio	Lower	Upper
122	100		
105	124.8	103.4	143.4
77	90.5	70.9	110.9



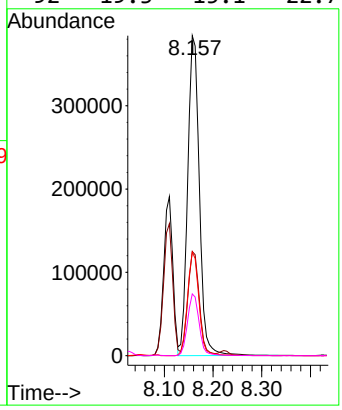


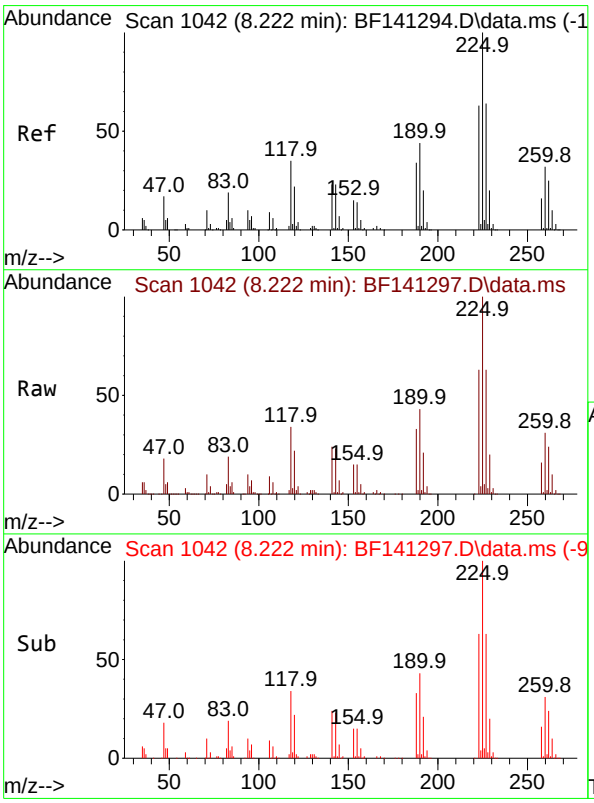
#33
4-Chloroaniline
Concen: 69.737 ng
RT: 8.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 636568

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.4	26.4	39.6
92	19.3	15.1	22.7

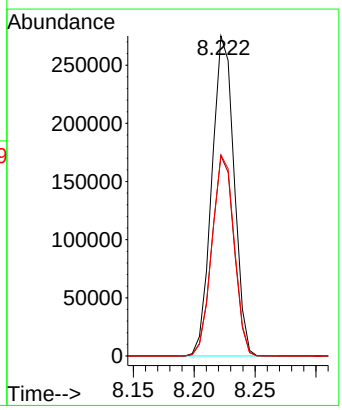


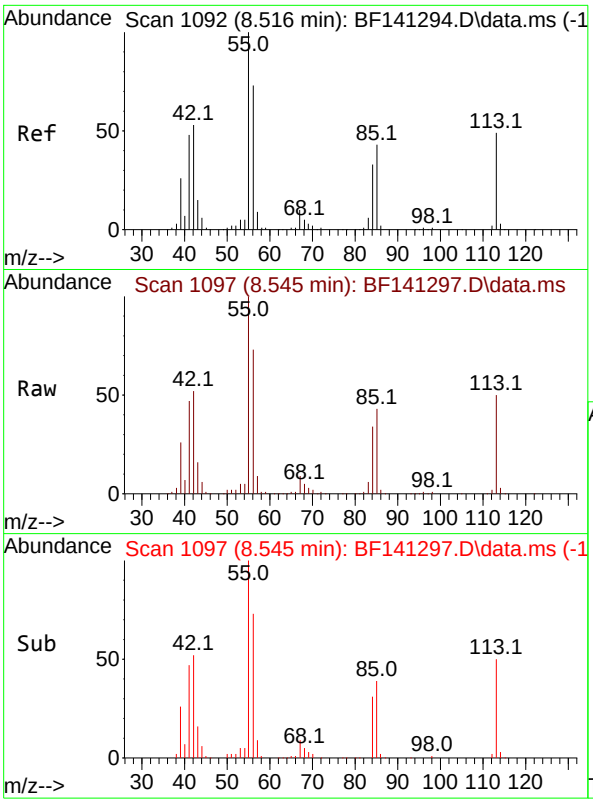


#34
Hexachlorobutadiene
Concen: 70.904 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:225 Resp: 348822

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.4	75.6
227	62.9	51.3	76.9



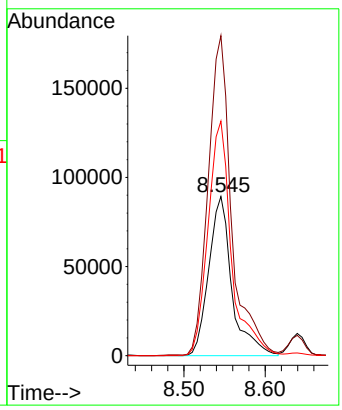


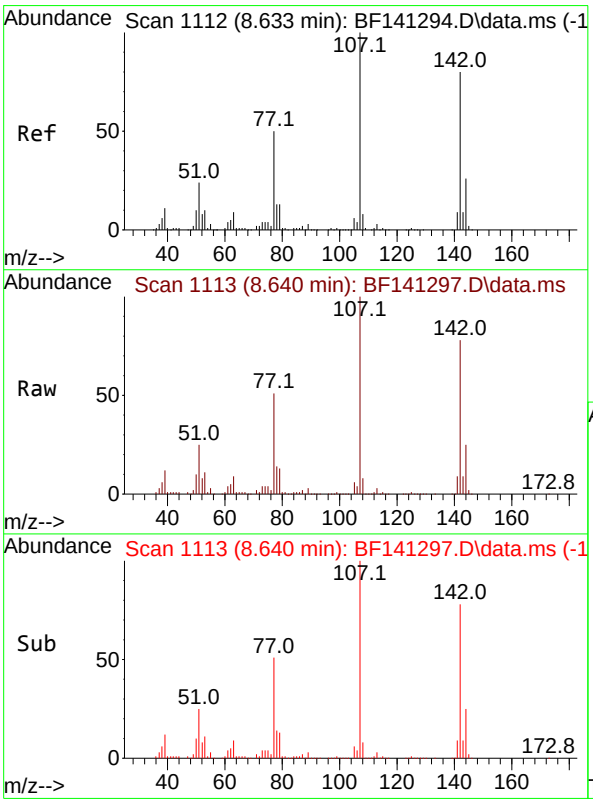
#35
Caprolactam
Concen: 74.270 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 177093

Ion	Ratio	Lower	Upper
113	100		
55	201.0	182.9	222.9
56	147.3	127.9	167.9

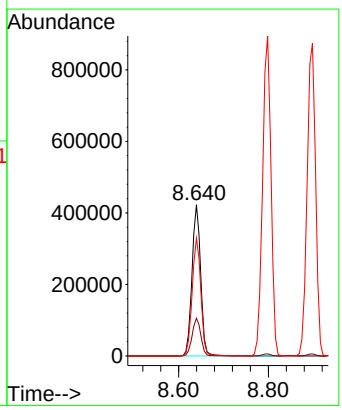


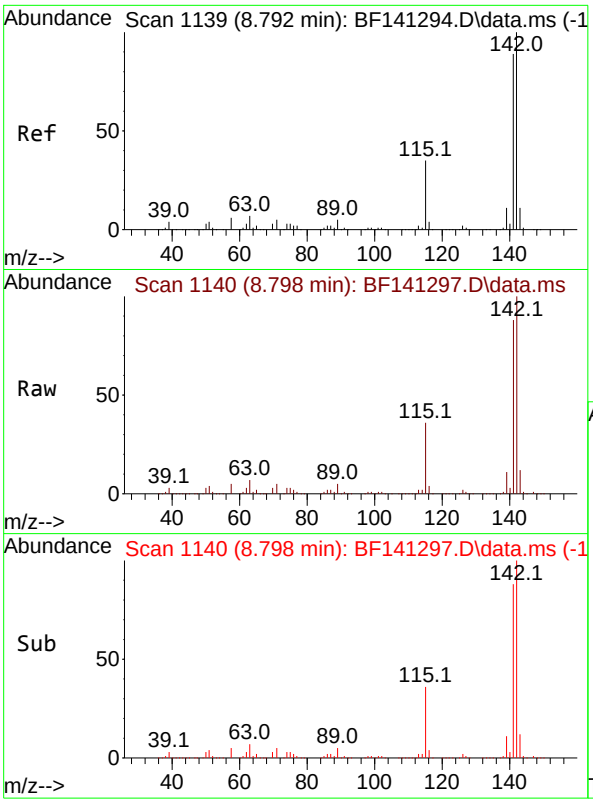


#36
4-Chloro-3-methylphenol
Concen: 72.094 ng
RT: 8.640 min Scan# 1113
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:107 Resp: 566827

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.7	31.1
142	77.9	63.8	95.8



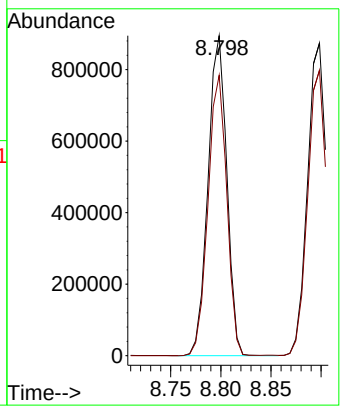


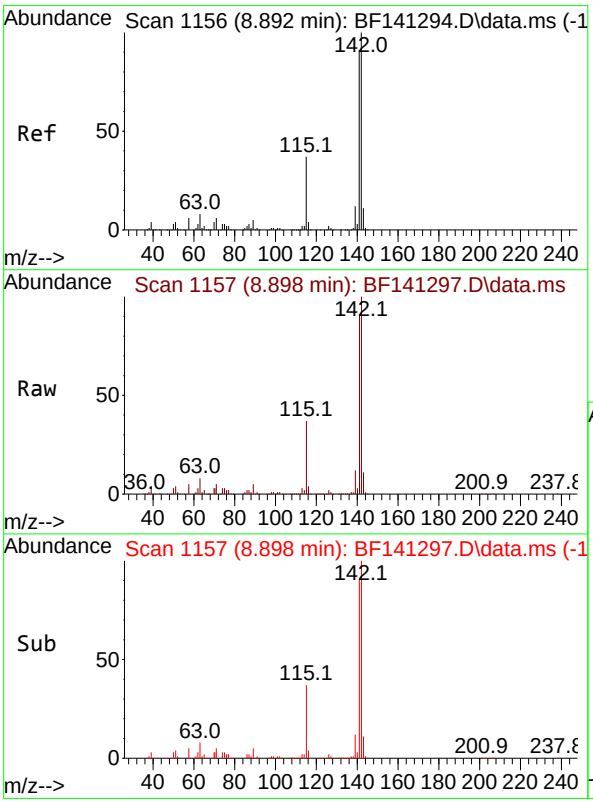
#37
2-Methylnaphthalene
Concen: 67.926 ng
RT: 8.798 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1165995

Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9

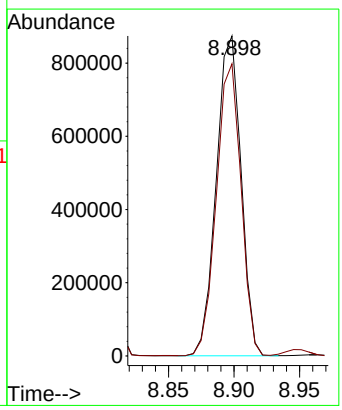


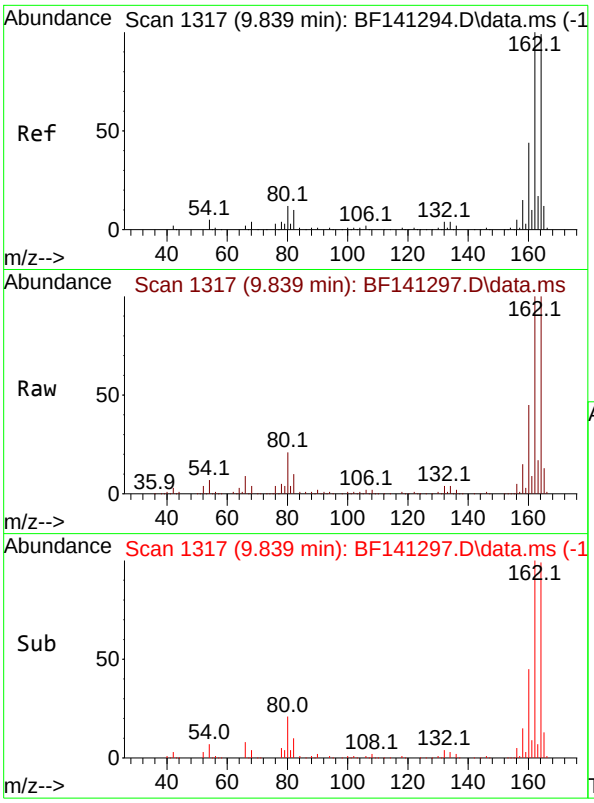


#38
1-Methylnaphthalene
Concen: 67.988 ng
RT: 8.898 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:142 Resp: 1146275

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8



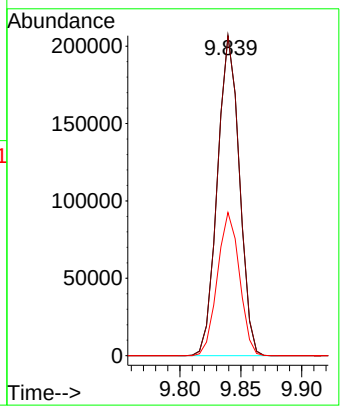


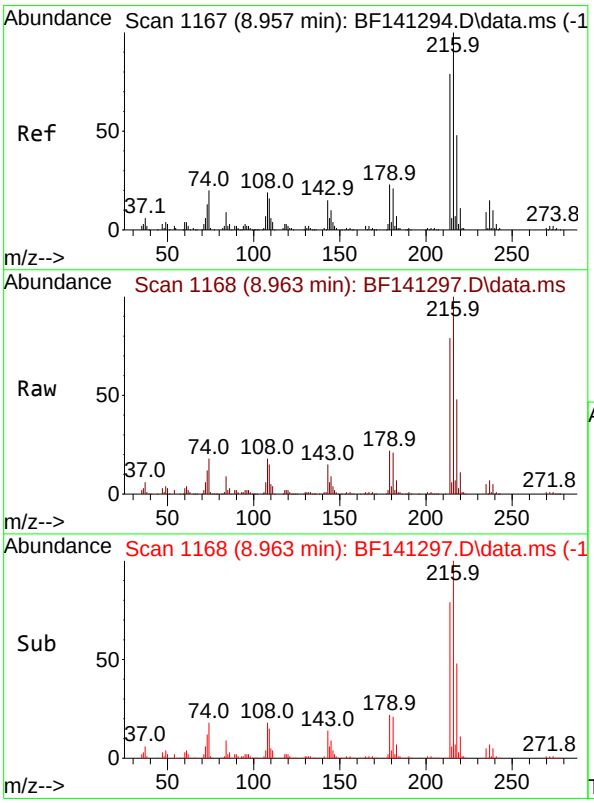
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 259556

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	44.8	35.8	53.6

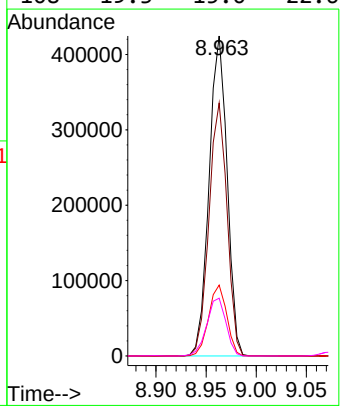


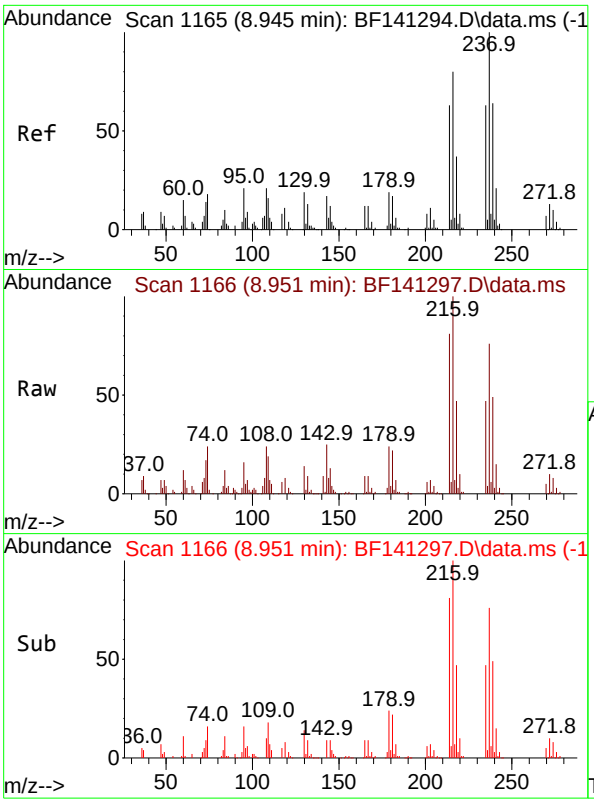


#40
1,2,4,5-Tetrachlorobenzene
Concen: 70.756 ng
RT: 8.963 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:216 Resp: 531237

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.2	94.8
179	22.3	17.8	26.8
108	19.3	15.0	22.6



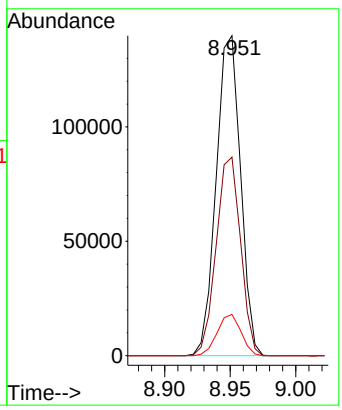


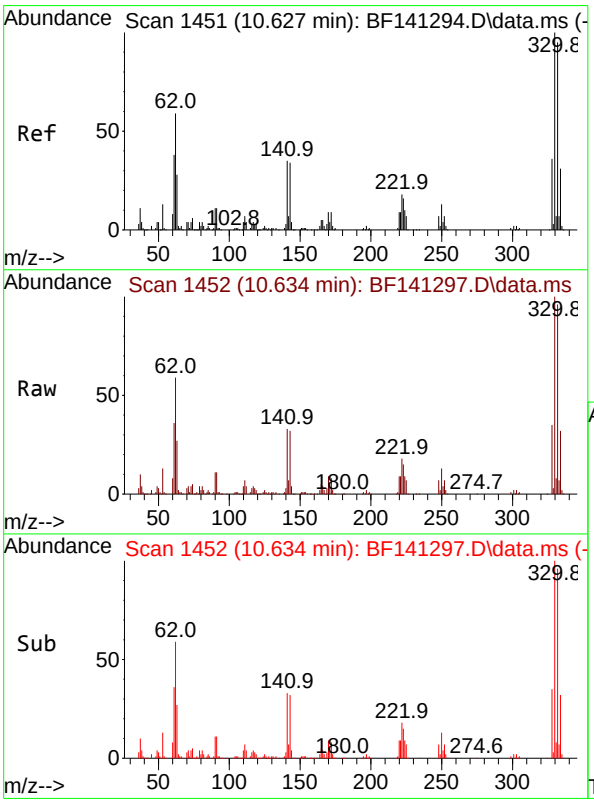
#41
Hexachlorocyclopentadiene
Concen: 83.336 ng
RT: 8.951 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 180658

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.9	82.9
272	12.9	0.0	32.8

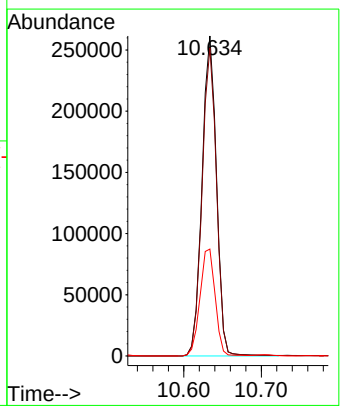


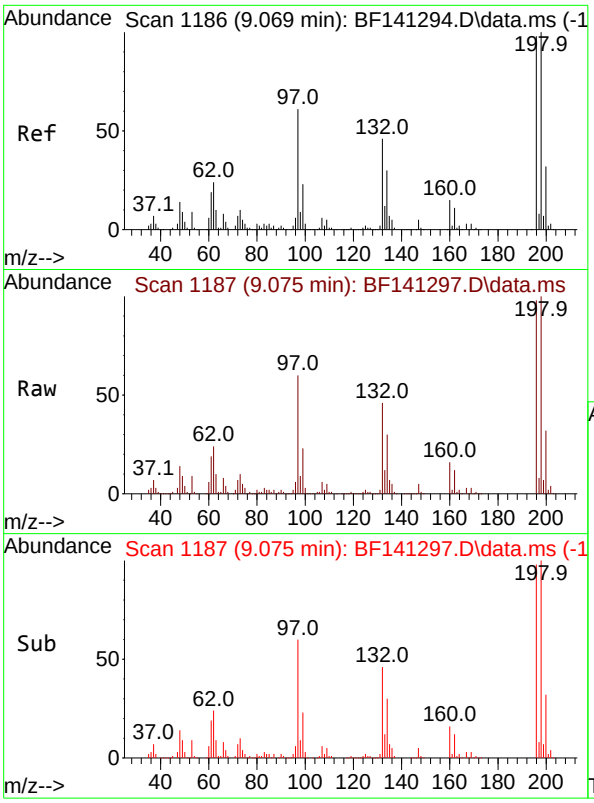


#42
2,4,6-Tribromophenol
Concen: 139.281 ng
RT: 10.634 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:330 Resp: 337670

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.1	114.1
141	35.3	28.8	43.2



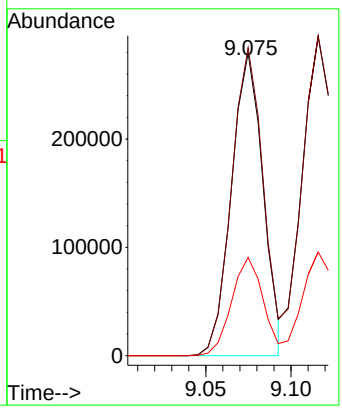


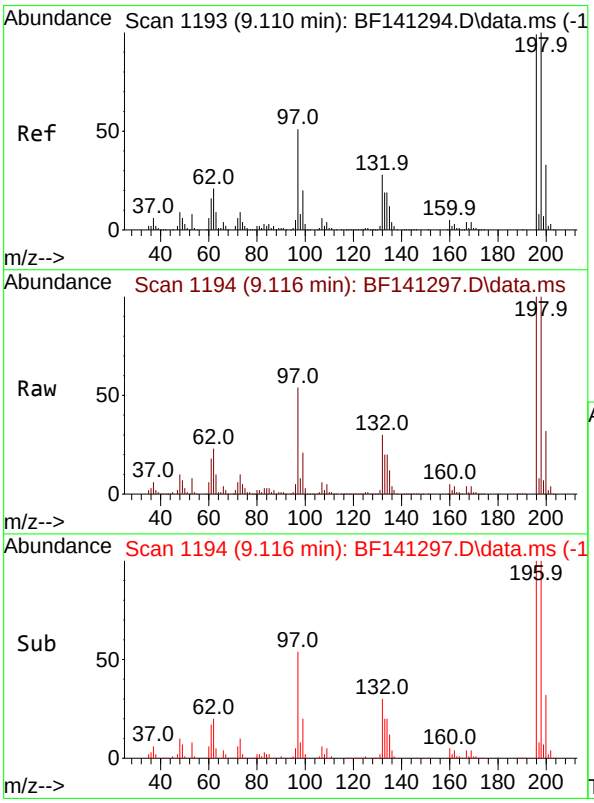
#43
2,4,6-Trichlorophenol
Concen: 73.727 ng
RT: 9.075 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 360370

Ion	Ratio	Lower	Upper
196	100		
198	101.8	81.8	122.6
200	32.5	26.3	39.5

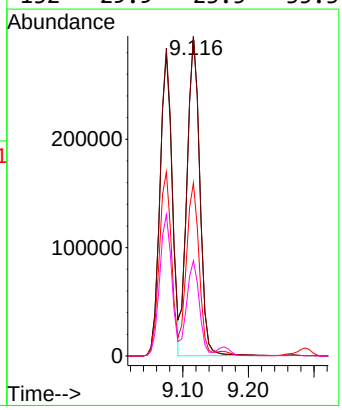


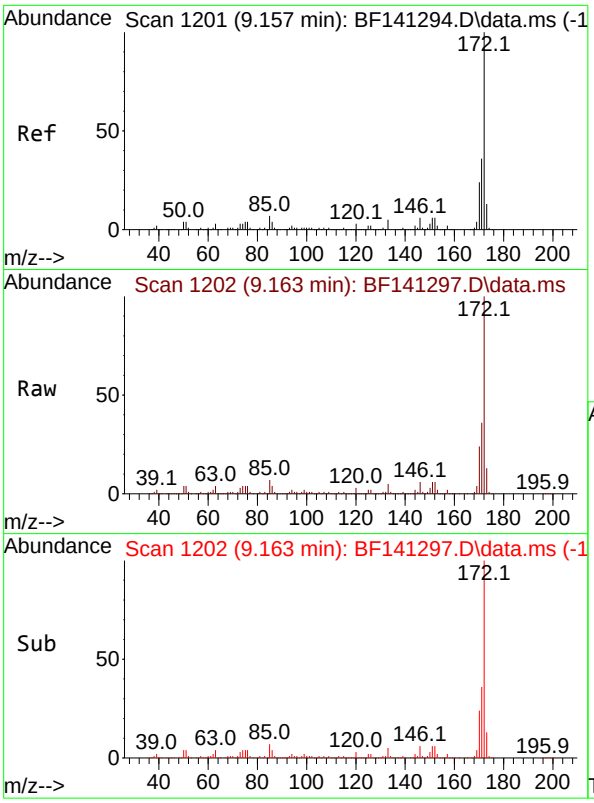


#44
2,4,5-Trichlorophenol
Concen: 74.958 ng
RT: 9.116 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:196 Resp: 397887

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.5	120.7
97	54.2	42.8	64.2
132	29.9	23.5	35.3



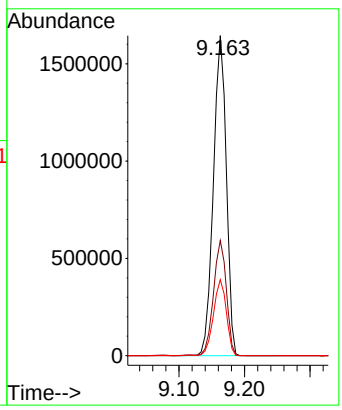


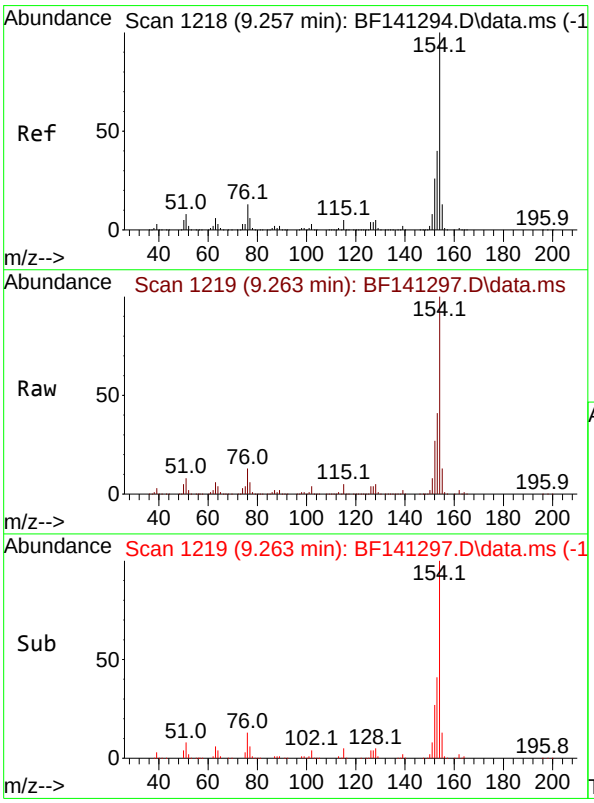
#45
2-Fluorobiphenyl
Concen: 129.739 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2248567

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.0	28.6

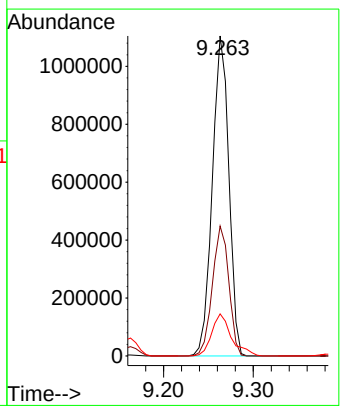


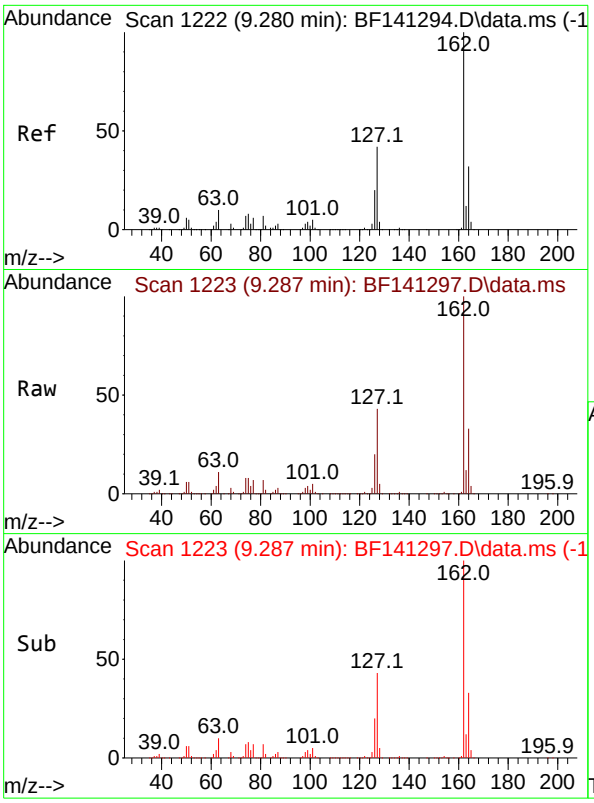


#46
1,1'-Biphenyl
Concen: 68.298 ng
RT: 9.263 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1412015

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8



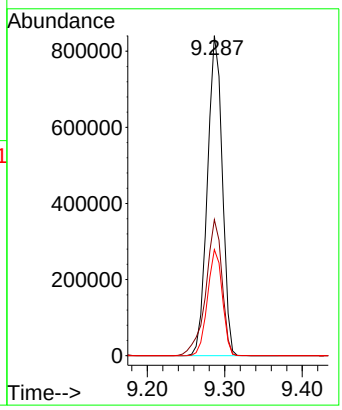


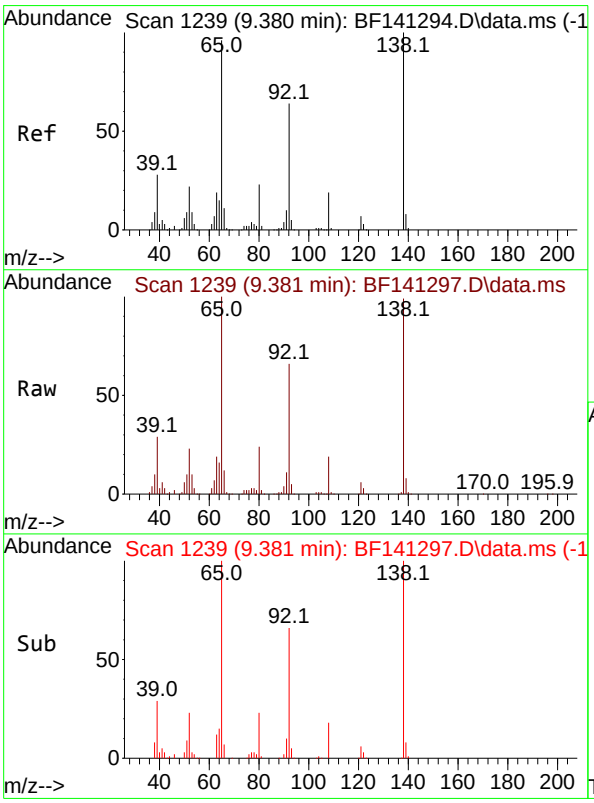
#47
2-Chloronaphthalene
Concen: 69.578 ng
RT: 9.287 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1118593

Ion	Ratio	Lower	Upper
162	100		
127	42.5	33.7	50.5
164	33.1	25.9	38.9

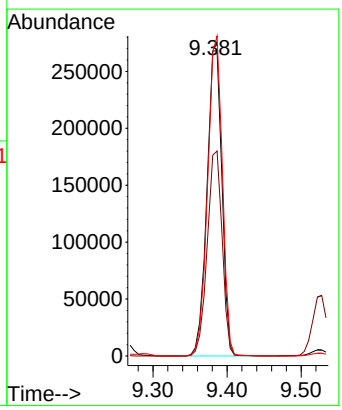


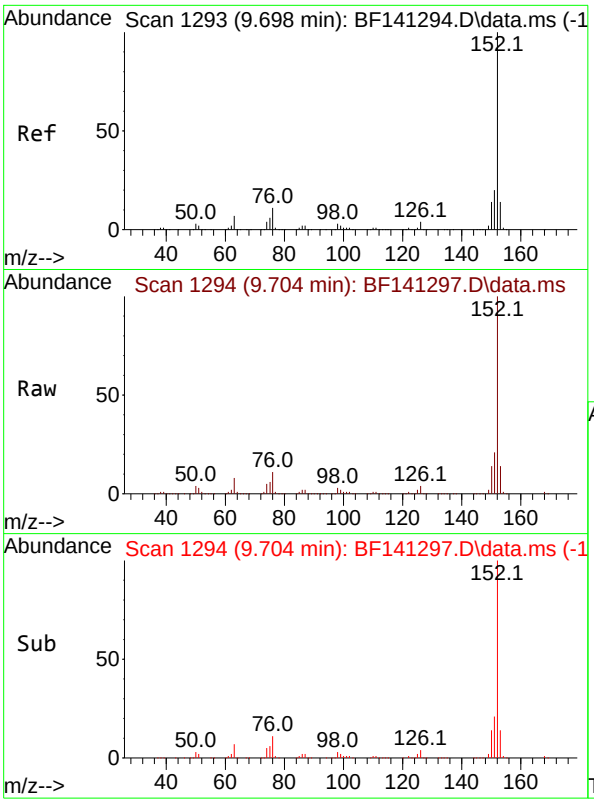


#48
2-Nitroaniline
Concen: 75.652 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion: 65 Resp: 378379

Ion	Ratio	Lower	Upper
65	100		
92	65.8	53.3	79.9
138	99.5	83.6	125.4



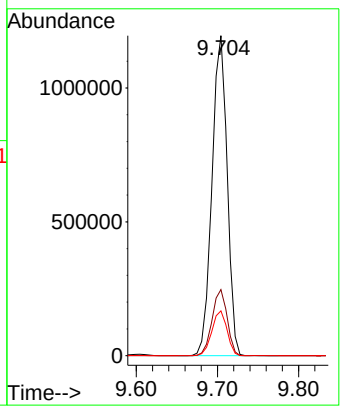


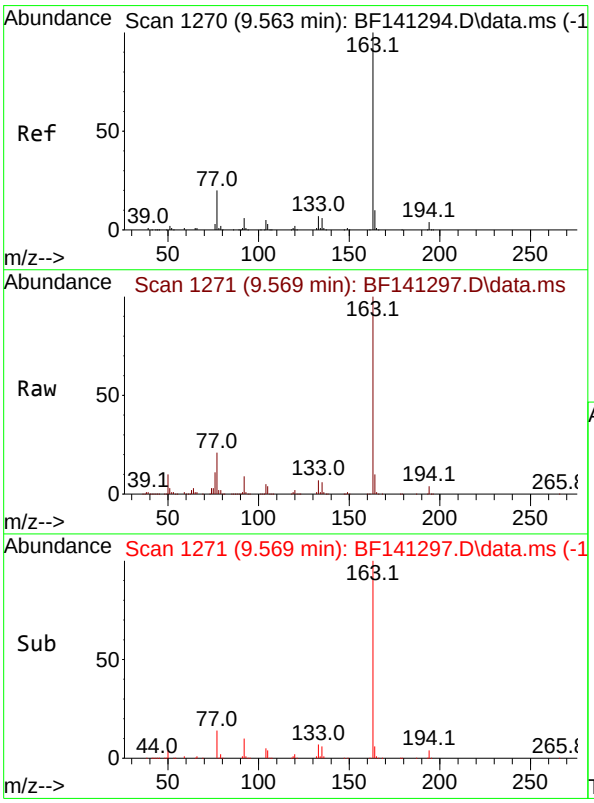
#49
Acenaphthylene
Concen: 68.901 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1552508

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.2
153	14.0	11.0	16.6

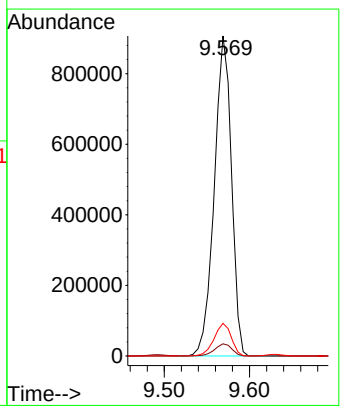


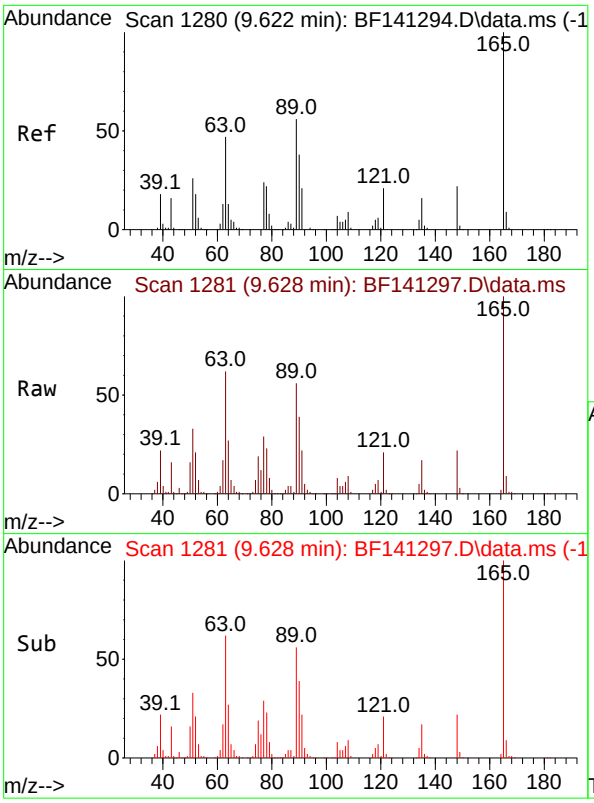


#50
Dimethylphthalate
Concen: 71.308 ng
RT: 9.569 min Scan# 1271
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:163 Resp: 1269770

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0



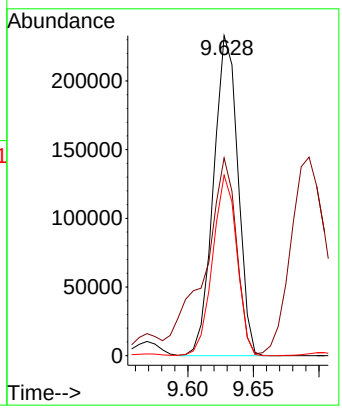


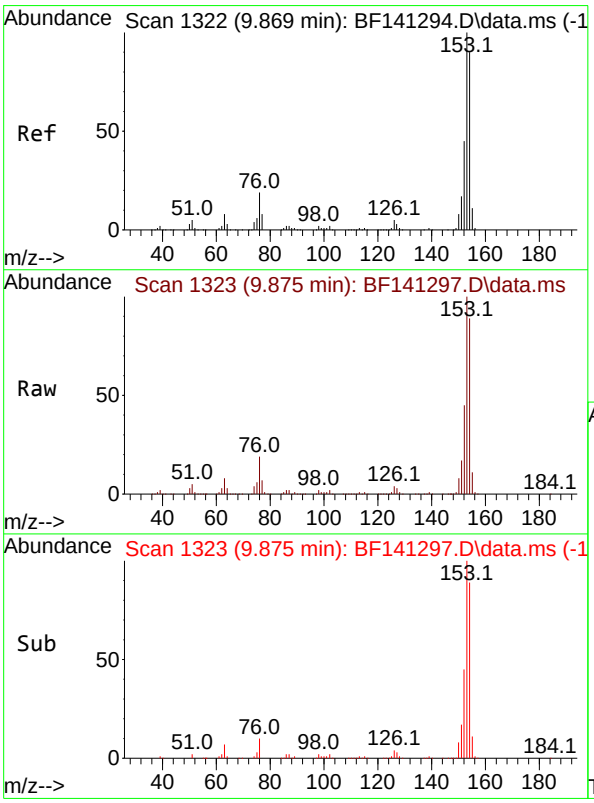
#51
2,6-Dinitrotoluene
Concen: 72.992 ng
RT: 9.628 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 300867

Ion	Ratio	Lower	Upper
165	100		
63	61.8	48.1	72.1
89	56.4	44.9	67.3

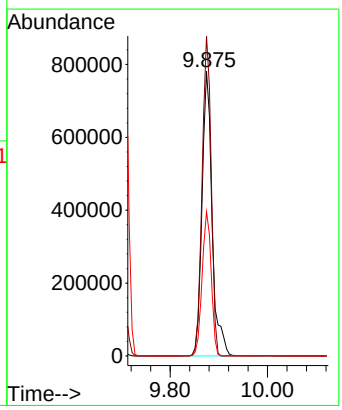


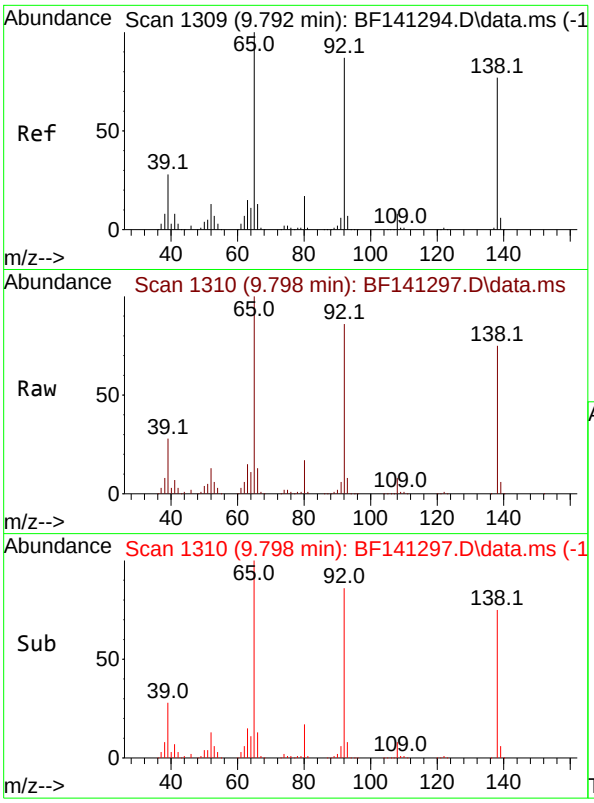


#52
Acenaphthene
Concen: 69.700 ng
RT: 9.875 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:154 Resp: 1120345

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.0	133.4
152	50.7	40.2	60.4



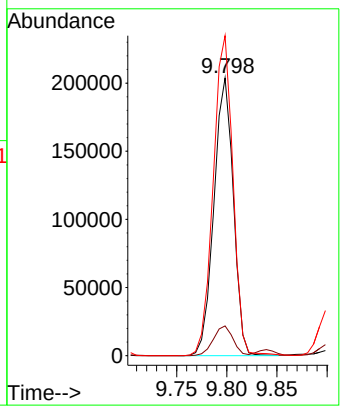


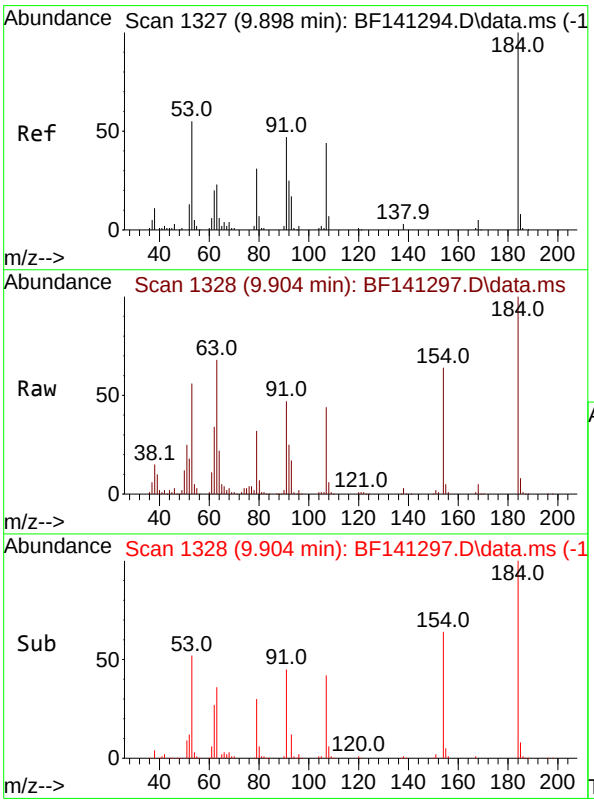
#53
3-Nitroaniline
Concen: 67.215 ng
RT: 9.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 274410

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	115.2	91.0	136.6

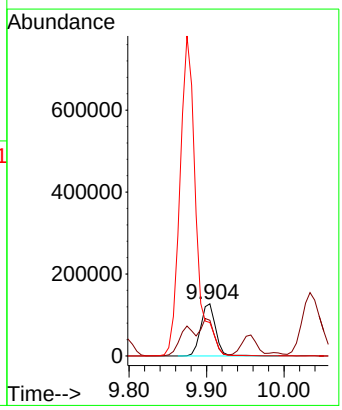


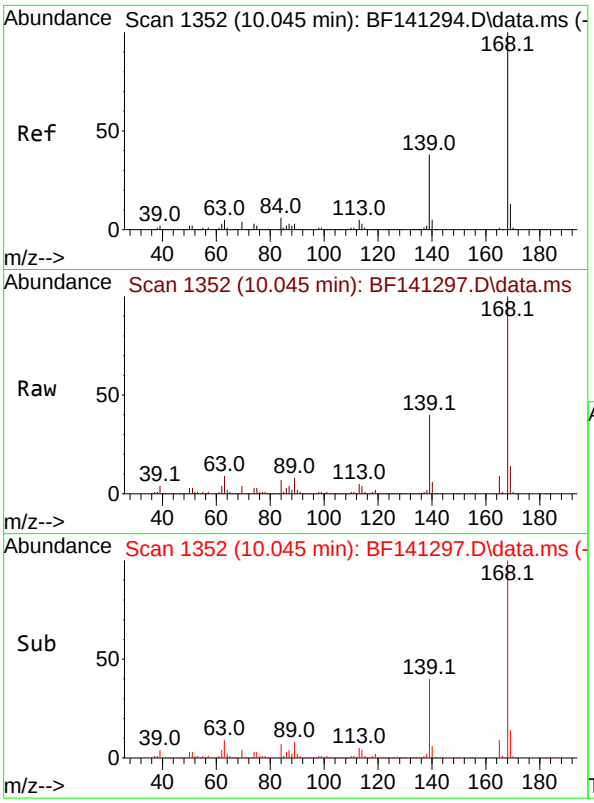


#54
2,4-Dinitrophenol
Concen: 101.582 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:184 Resp: 169946

Ion	Ratio	Lower	Upper
184	100		
63	68.3	54.1	81.1
154	64.0	50.7	76.1



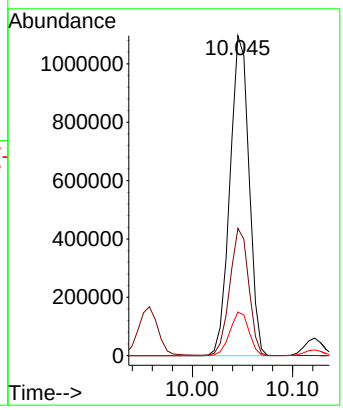


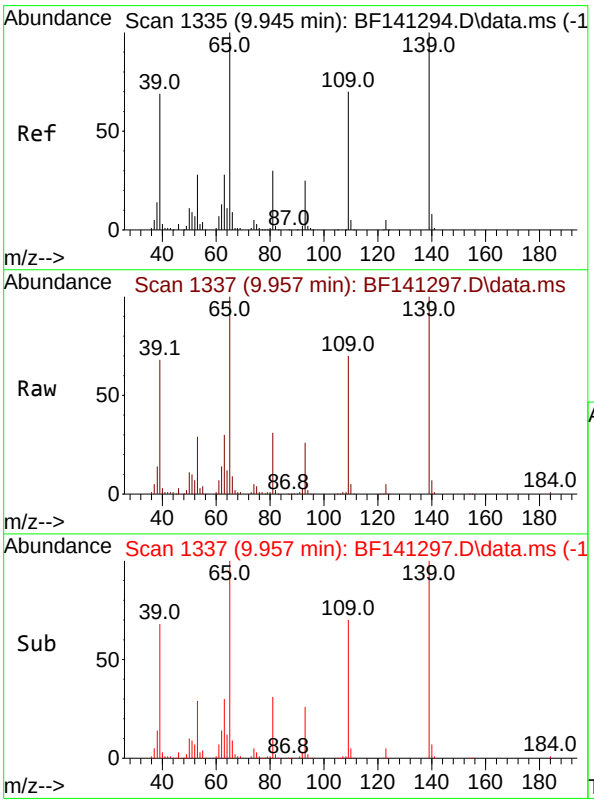
#55
Dibenzofuran
Concen: 67.158 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1451668

Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.6	46.0
169	13.7	10.8	16.2

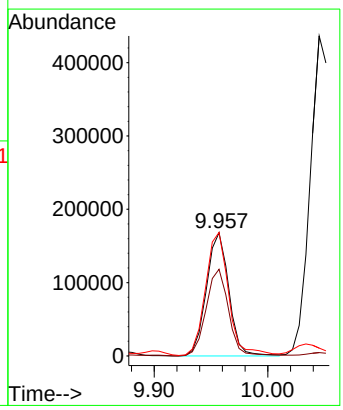


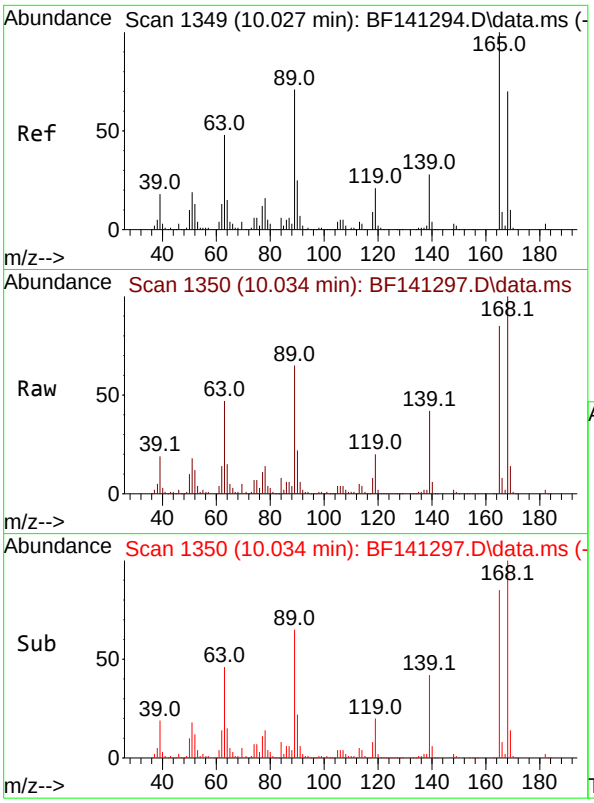


#56
4-Nitrophenol
Concen: 78.788 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:139 Resp: 230369

Ion	Ratio	Lower	Upper
139	100		
109	70.4	50.2	90.2
65	100.3	80.6	120.6



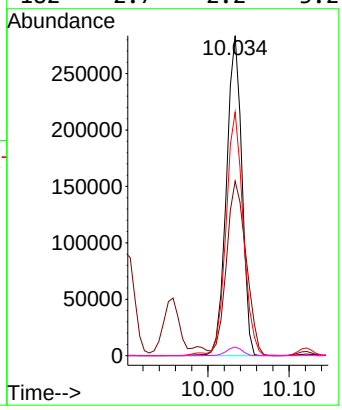


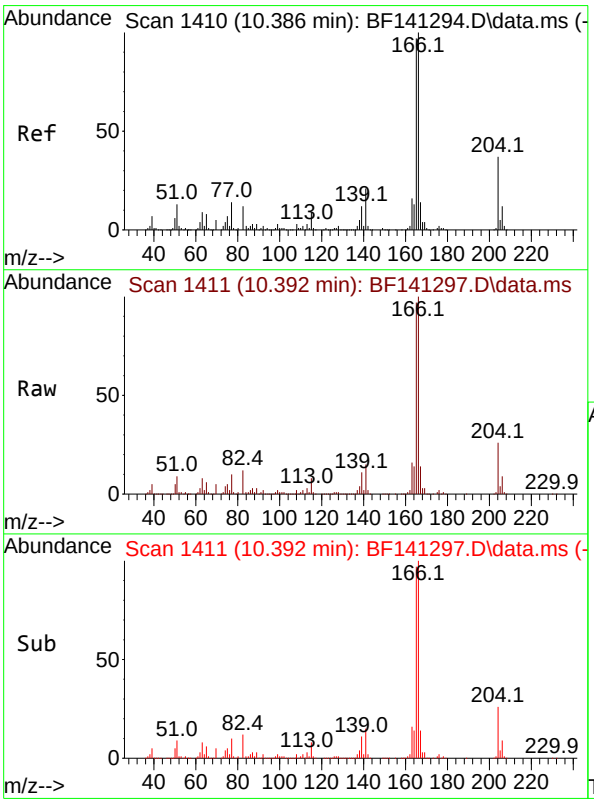
#57
2,4-Dinitrotoluene
Concen: 70.012 ng
RT: 10.034 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 375659

Ion	Ratio	Lower	Upper
165	100		
63	54.5	39.2	58.8
89	76.1	56.9	85.3
182	2.7	2.2	3.2

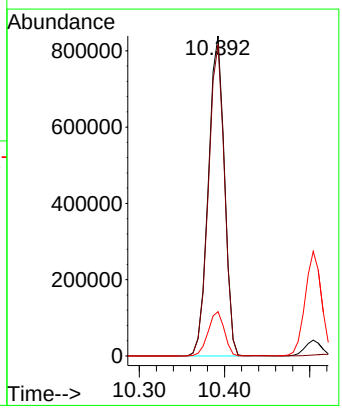


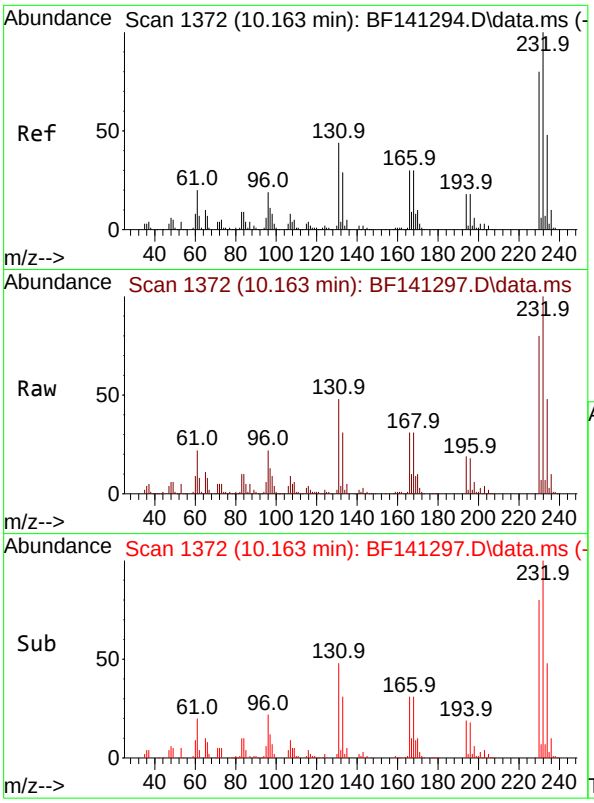


#58
Fluorene
Concen: 65.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:166 Resp: 1099129

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.5	116.3
167	13.9	10.9	16.3



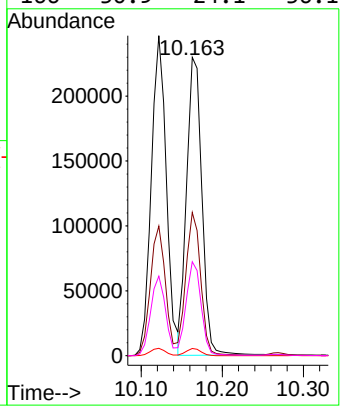


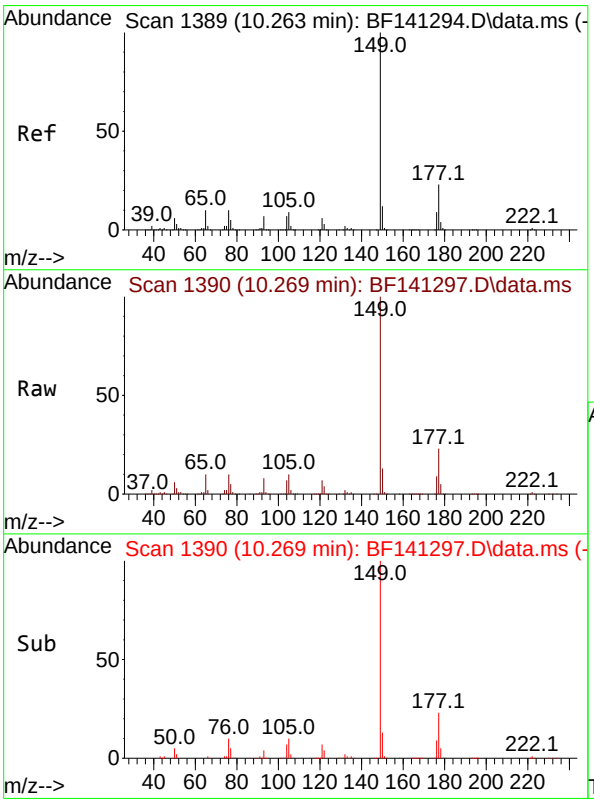
#59
2,3,4,6-Tetrachlorophenol
Concen: 72.005 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 302300

Ion	Ratio	Lower	Upper
232	100		
131	47.5	36.4	54.6
130	2.4	1.9	2.9
166	30.9	24.1	36.1

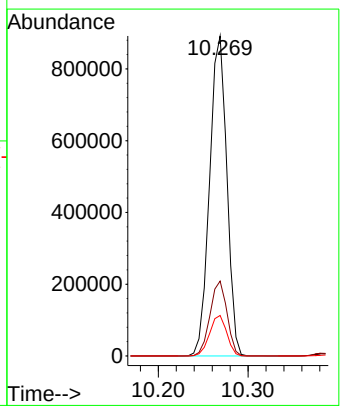


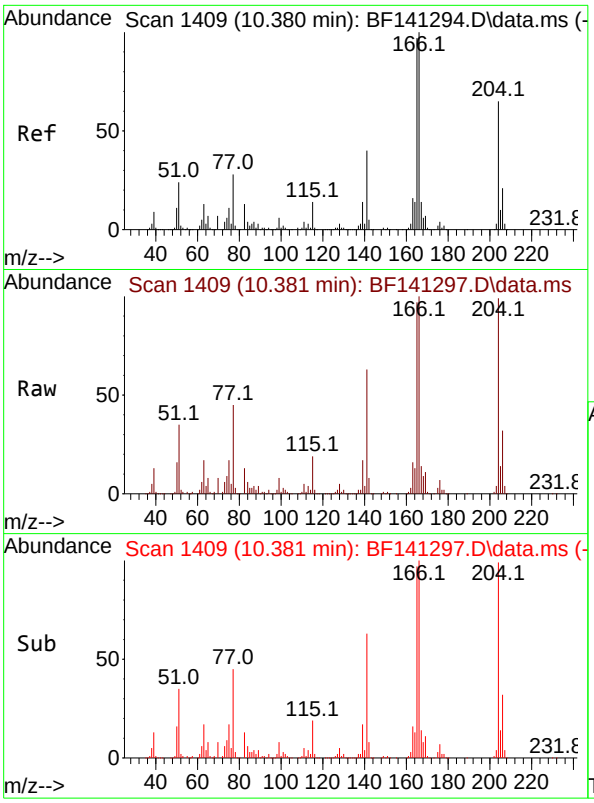


#60
Diethylphthalate
Concen: 68.571 ng
RT: 10.269 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1189833

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.5	27.7
150	12.7	10.0	15.0



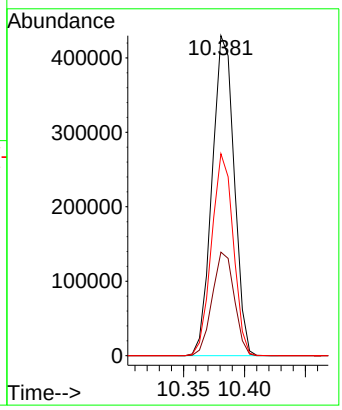


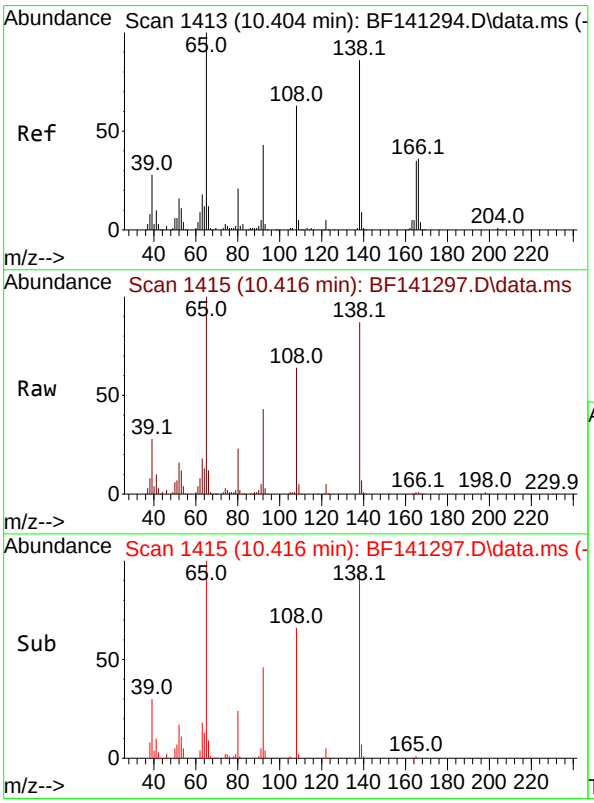
#61
4-Chlorophenyl-phenylether
Concen: 65.968 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 541468

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	63.1	49.5	74.3

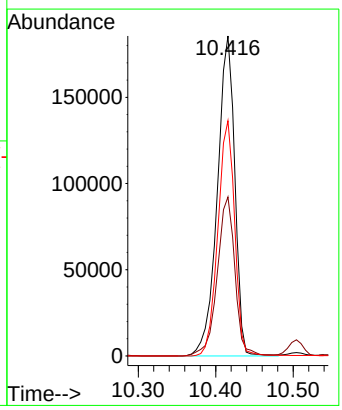


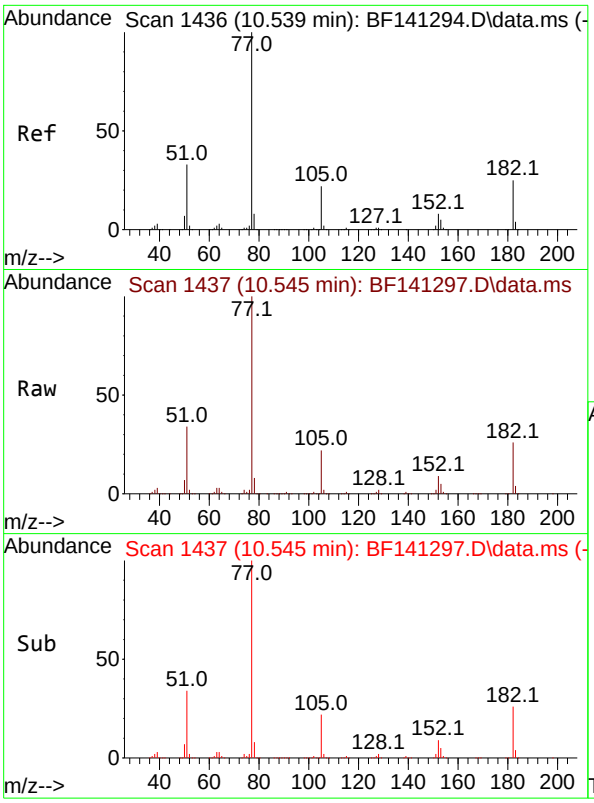


#62
4-Nitroaniline
Concen: 73.604 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:138 Resp: 292019

Ion	Ratio	Lower	Upper
138	100		
92	49.7	30.1	70.1
108	73.5	53.1	93.1



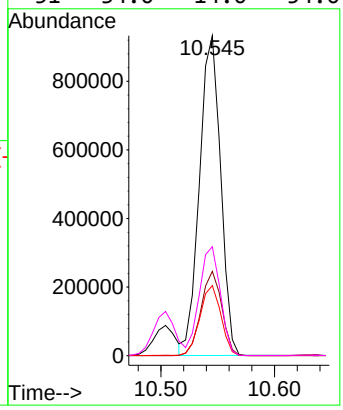


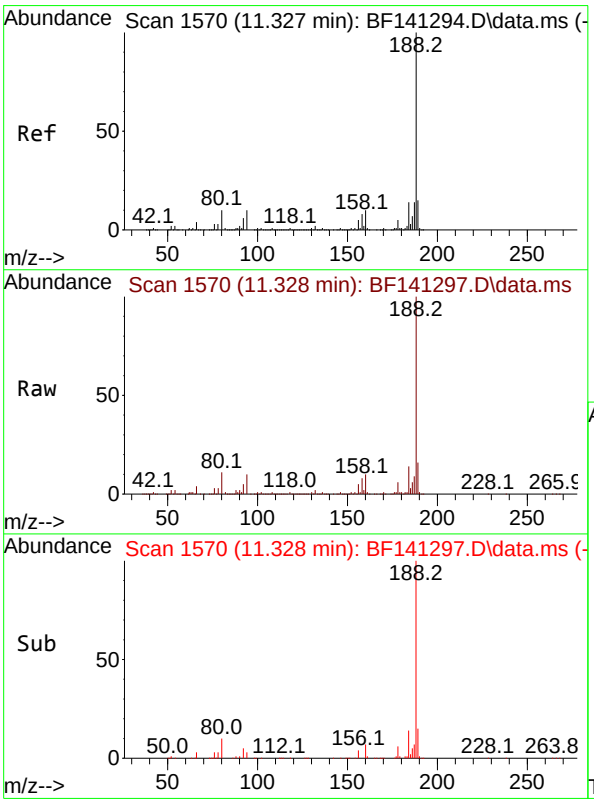
#63
Azobenzene
Concen: 69.582 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1206328

Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.1	45.1
105	21.9	1.8	41.8
51	34.0	14.0	54.0

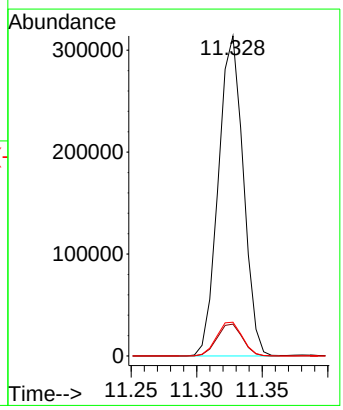


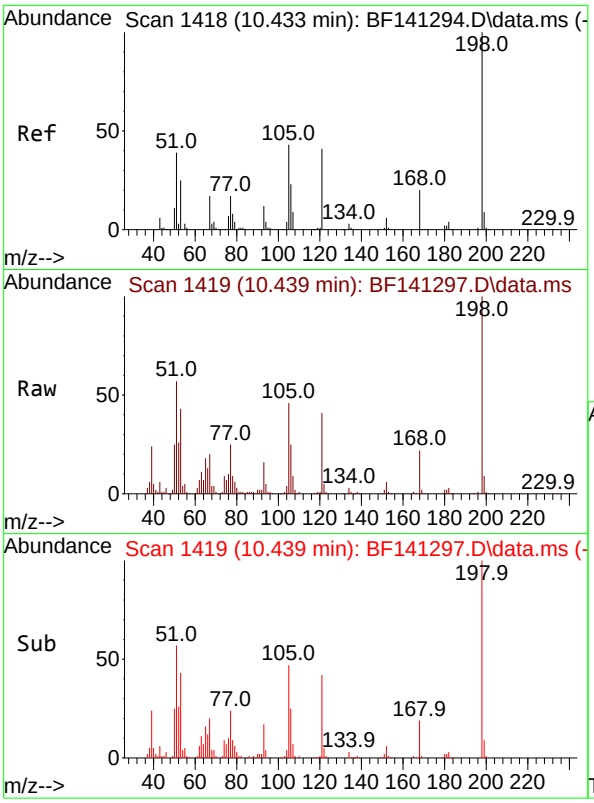


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:188 Resp: 415634

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.6	8.2	12.4



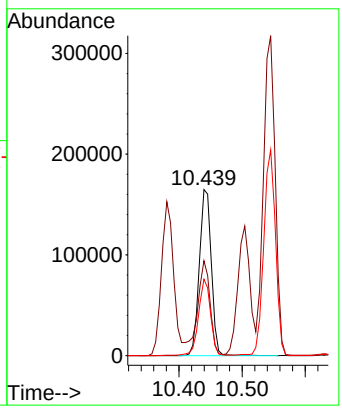


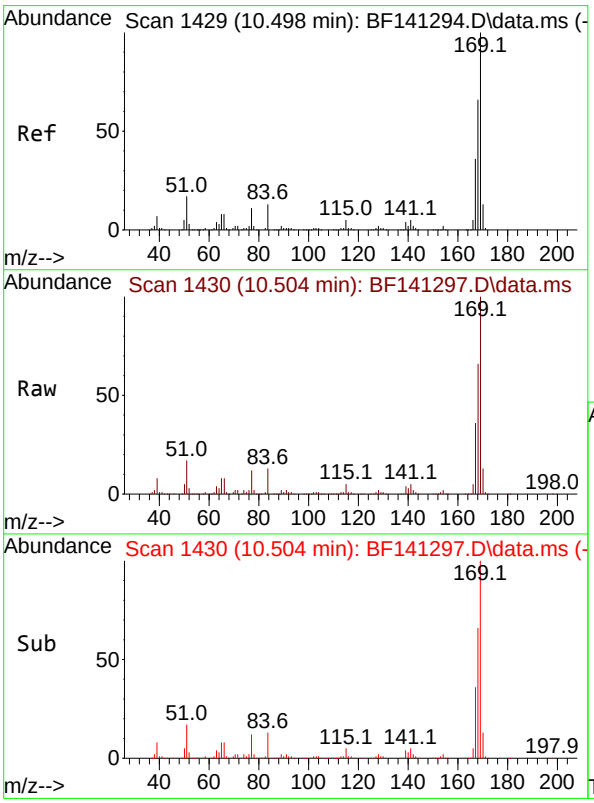
#65
4,6-Dinitro-2-methylphenol
Concen: 89.943 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 217265

Ion	Ratio	Lower	Upper
198	100		
51	57.1	33.4	73.4
105	46.0	24.4	64.4

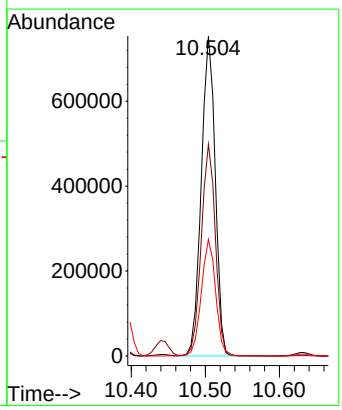


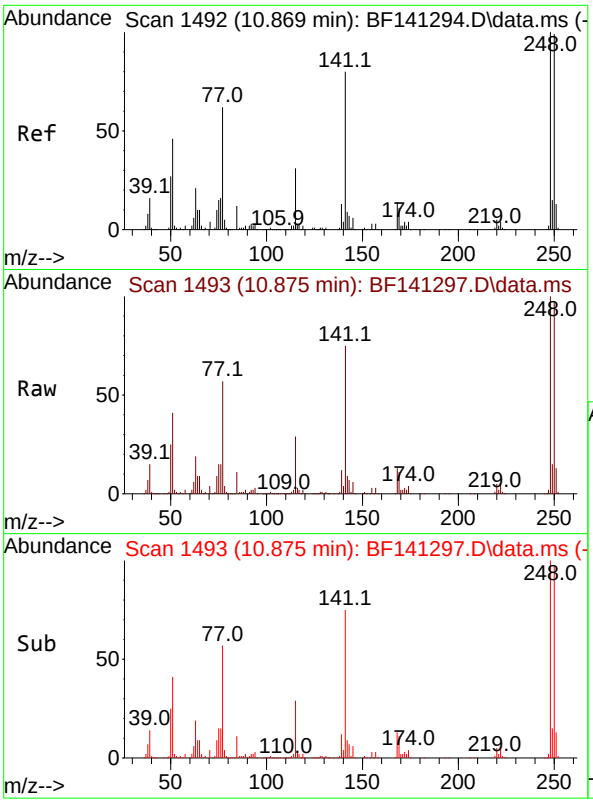


#66
n-Nitrosodiphenylamine
Concen: 72.353 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:169 Resp: 986121

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.4	28.8	43.2



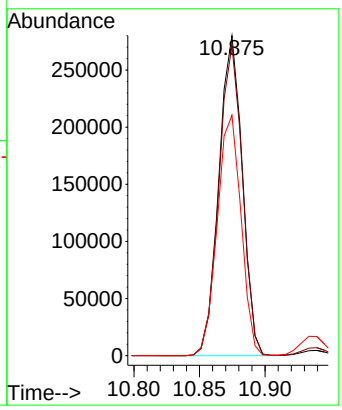


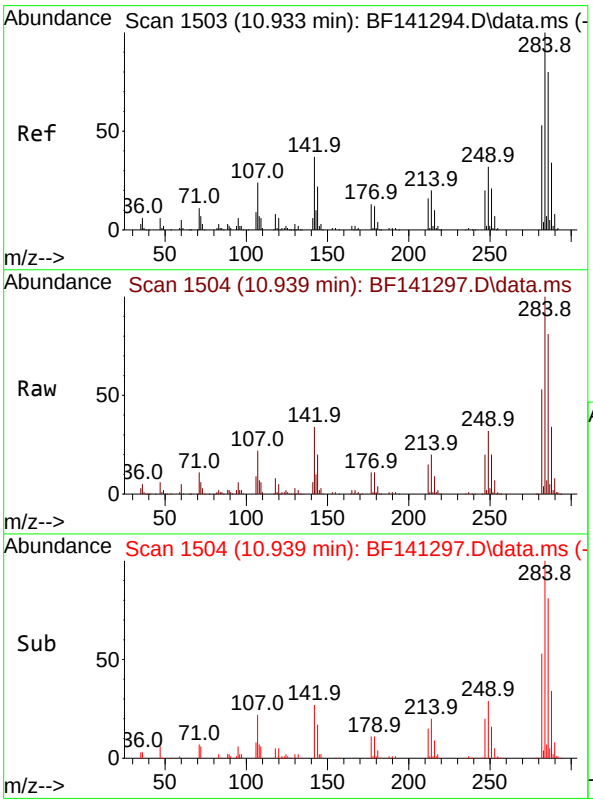
#67
4-Bromophenyl-phenylether
Concen: 74.136 ng
RT: 10.875 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 348615

Ion	Ratio	Lower	Upper
248	100		
250	97.0	79.0	118.4
141	75.1	63.7	95.5

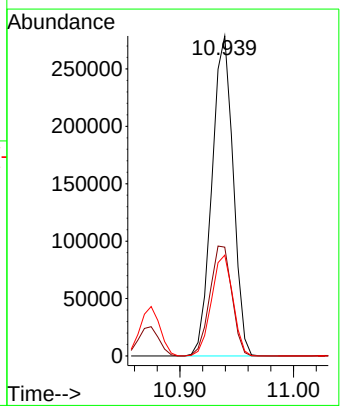


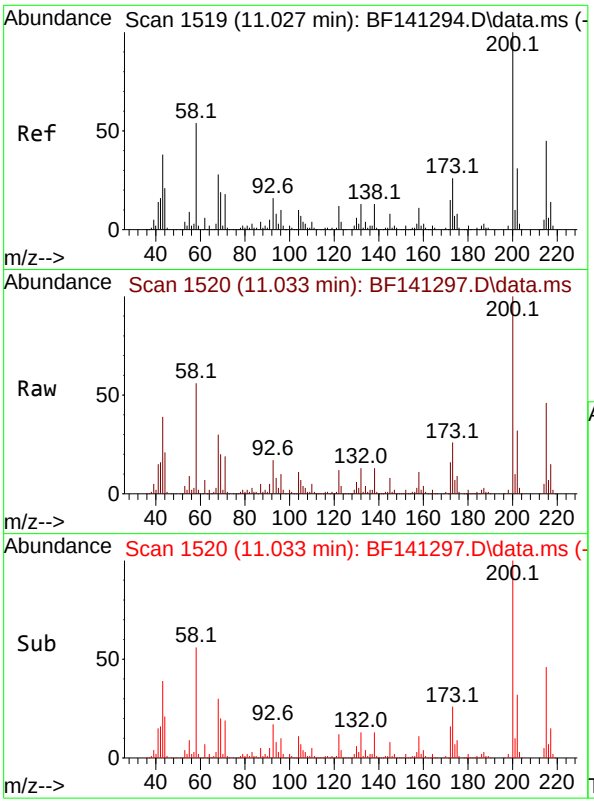


#68
Hexachlorobenzene
Concen: 72.215 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:284 Resp: 361469

Ion	Ratio	Lower	Upper
284	100		
142	34.0	29.5	44.3
249	31.5	25.4	38.2



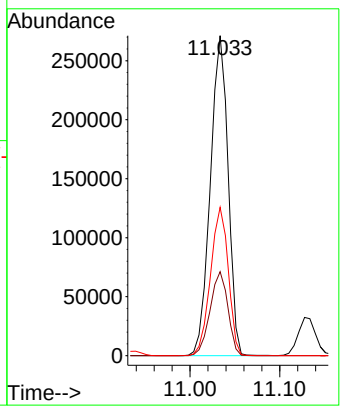


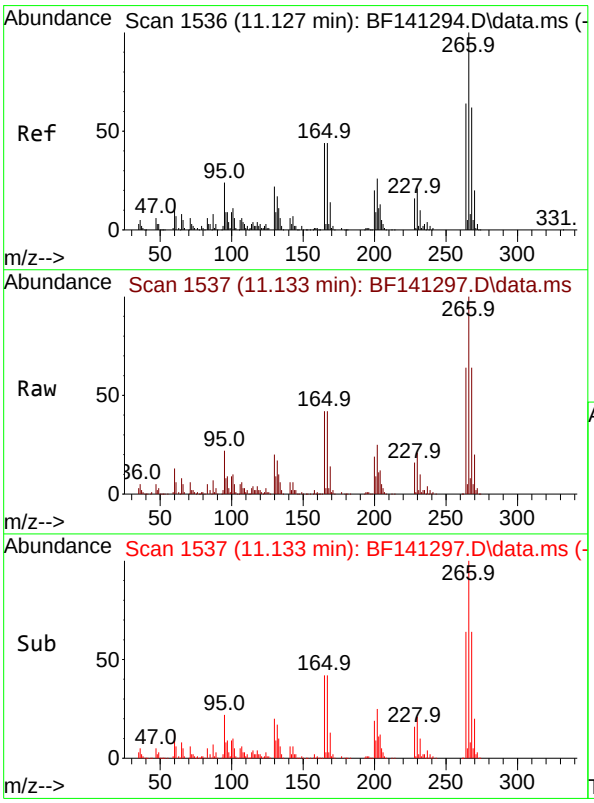
#69
Atrazine
Concen: 83.452 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 372792

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.4	25.2	65.2

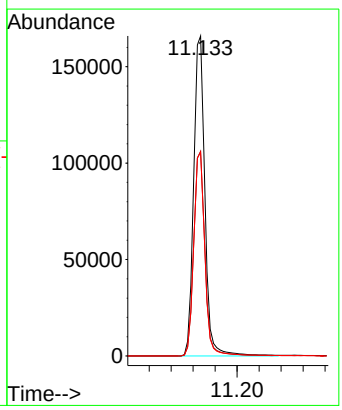


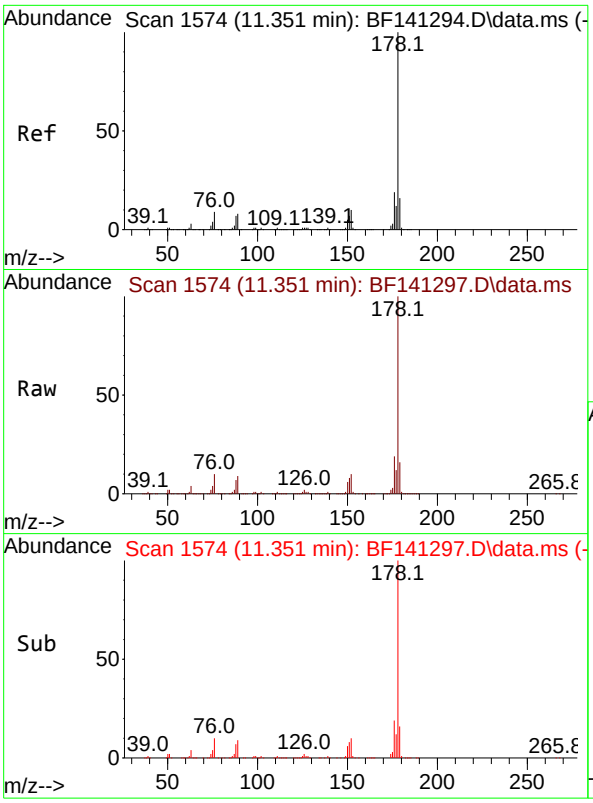


#70
Pentachlorophenol
Concen: 81.539 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:266 Resp: 235030

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.9	74.9
264	63.7	51.0	76.4



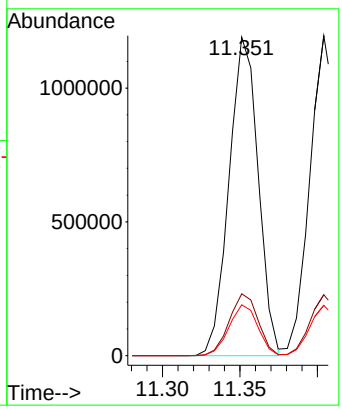


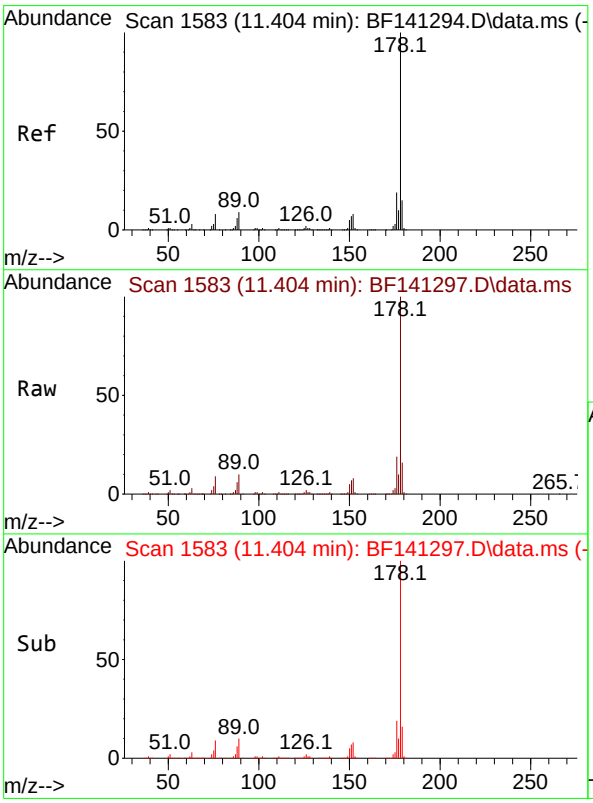
#71
Phenanthrene
Concen: 68.257 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1557660

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.0	12.5	18.7

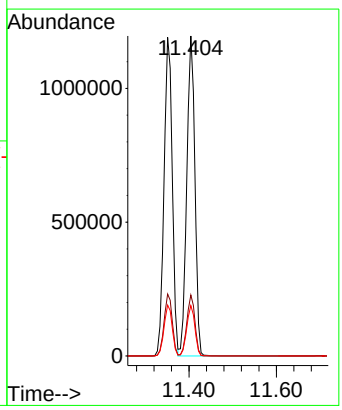


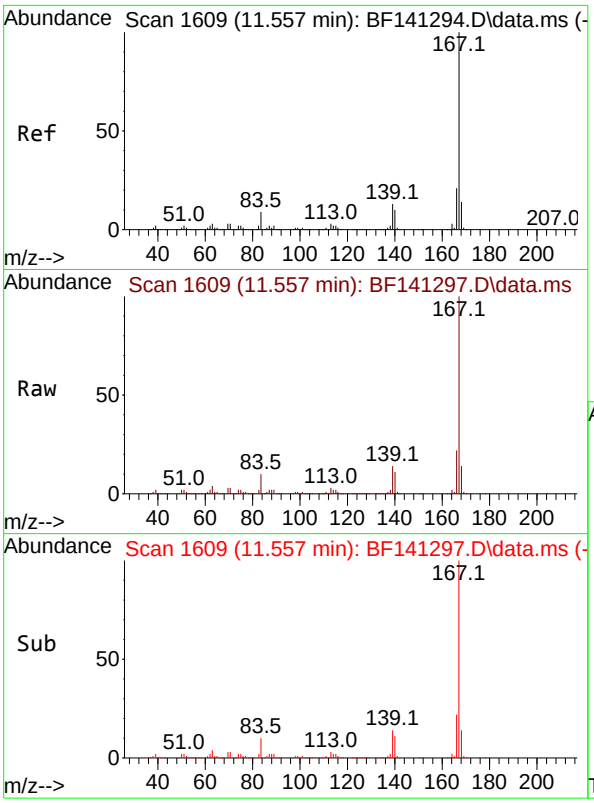


#72
Anthracene
Concen: 68.749 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:178 Resp: 1535860

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.8	12.3	18.5



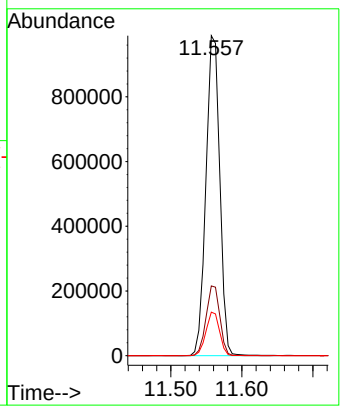


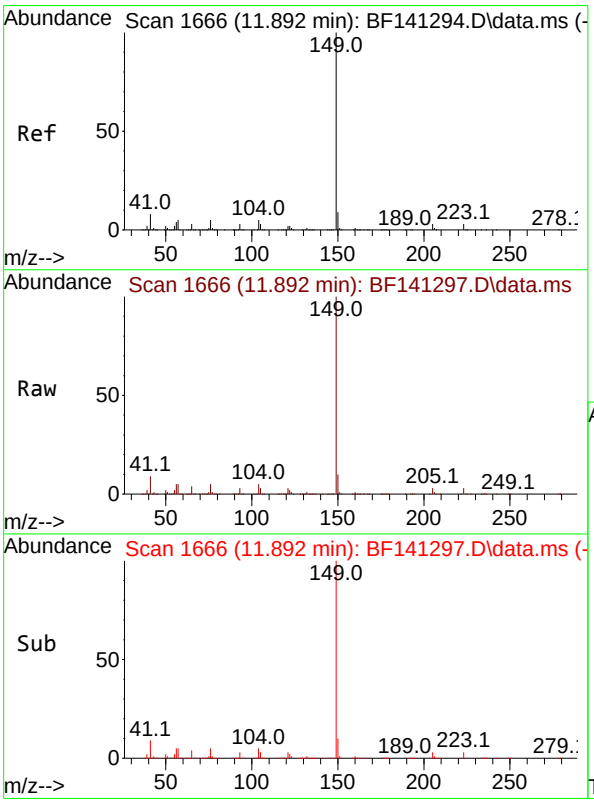
#73
Carbazole
Concen: 67.630 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1342447

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.6	10.6	16.0

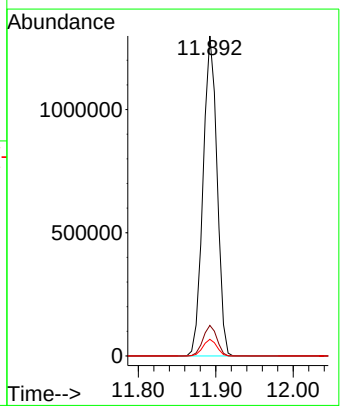


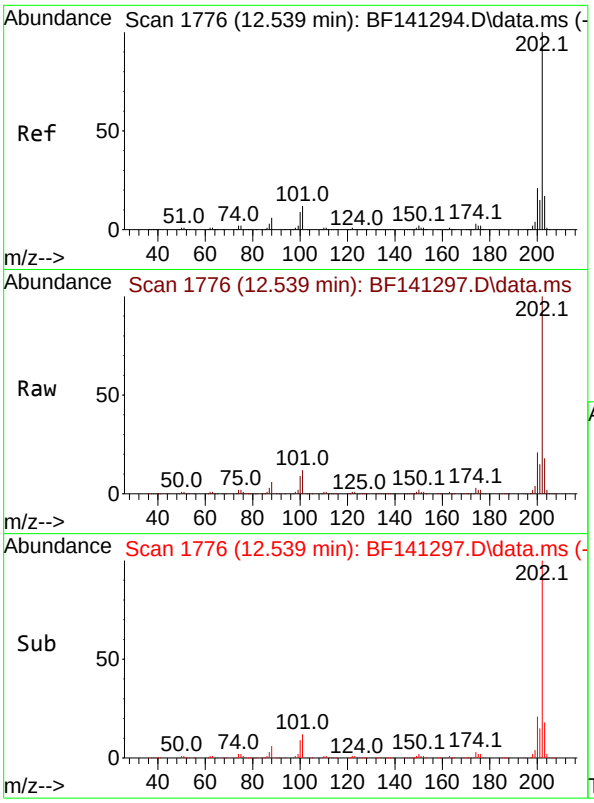


#74
Di-n-butylphthalate
Concen: 67.604 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 1626342

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.2	3.9	5.9



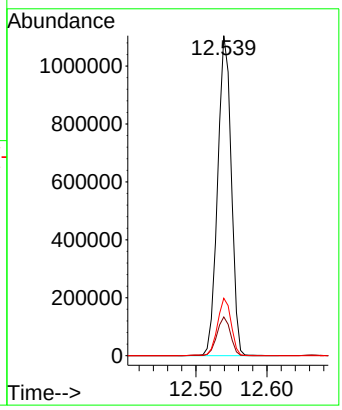


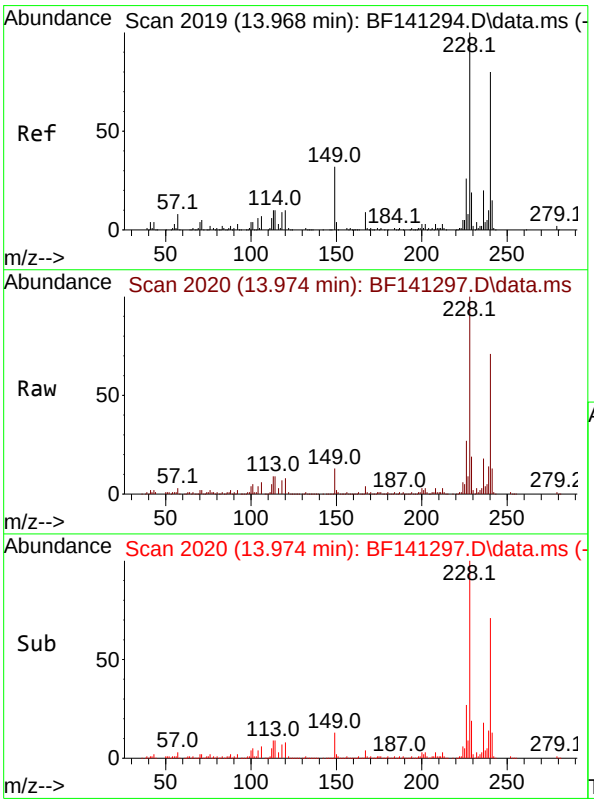
#75
Fluoranthene
Concen: 64.490 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1463196

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.7
203	18.0	0.0	37.5

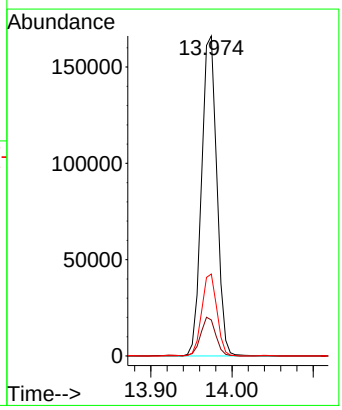


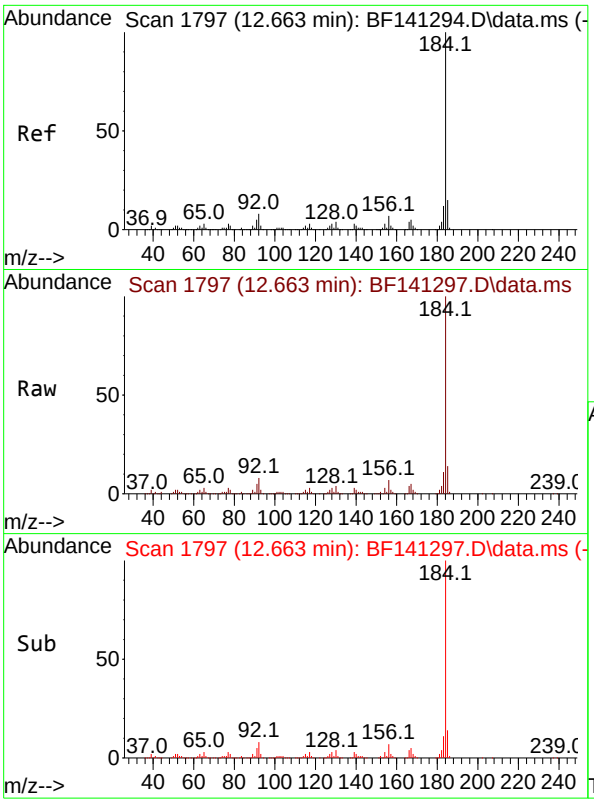


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:240 Resp: 216592

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.6	19.7	29.5



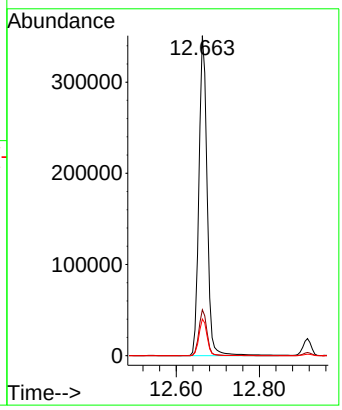


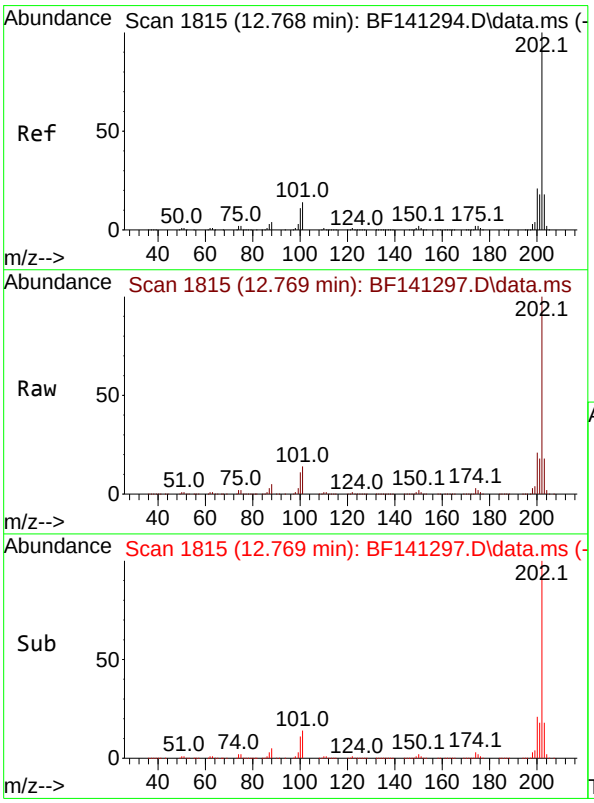
#77
Benzidine
Concen: 67.834 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 481470

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.9	17.9
183	11.5	9.5	14.3

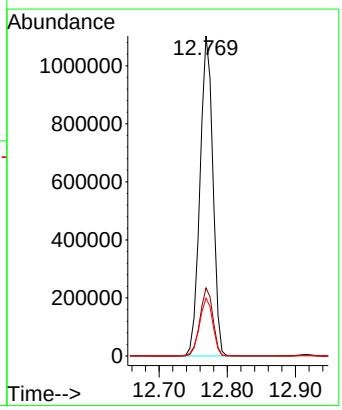


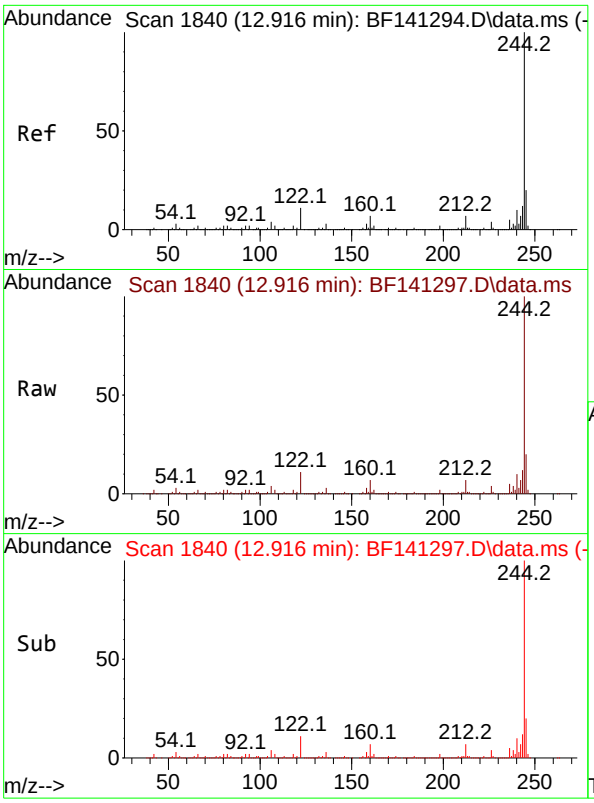


#78
Pyrene
Concen: 68.287 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:202 Resp: 1450076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.0	14.3	21.5



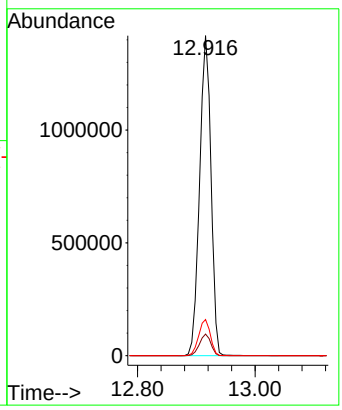


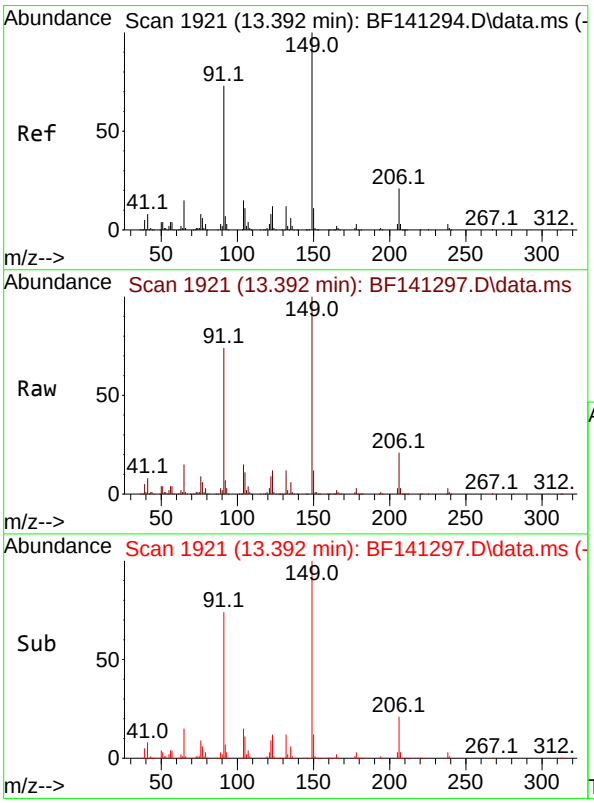
#79
Terphenyl-d14
Concen: 132.741 ng
RT: 12.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1910783

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.3	8.8	13.2

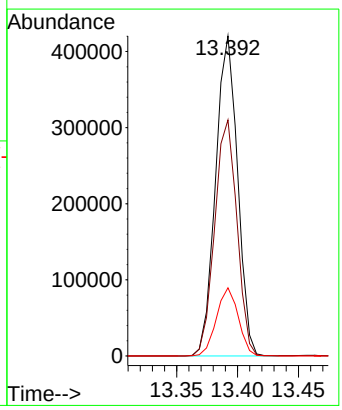


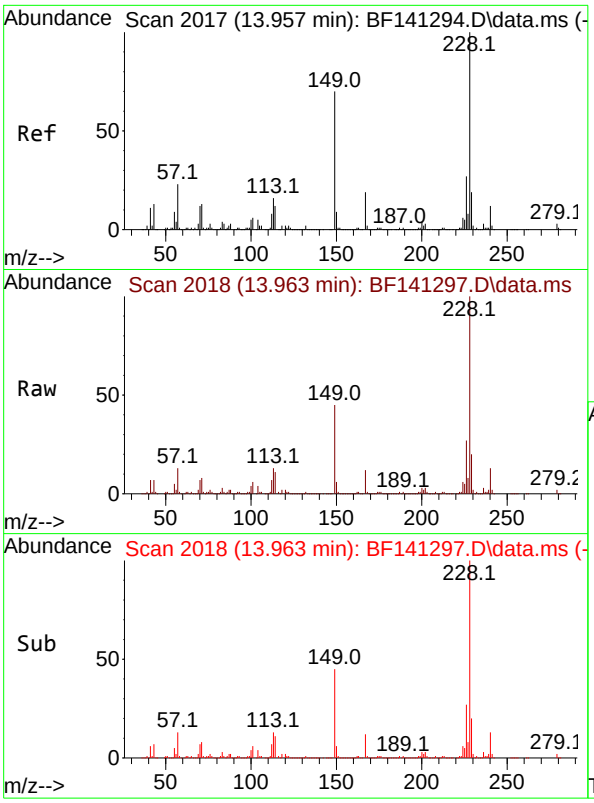


#80
Butylbenzylphthalate
Concen: 71.721 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 528754

Ion	Ratio	Lower	Upper
149	100		
91	73.8	58.6	87.8
206	21.3	16.7	25.1



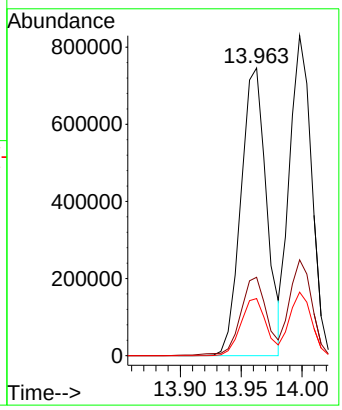


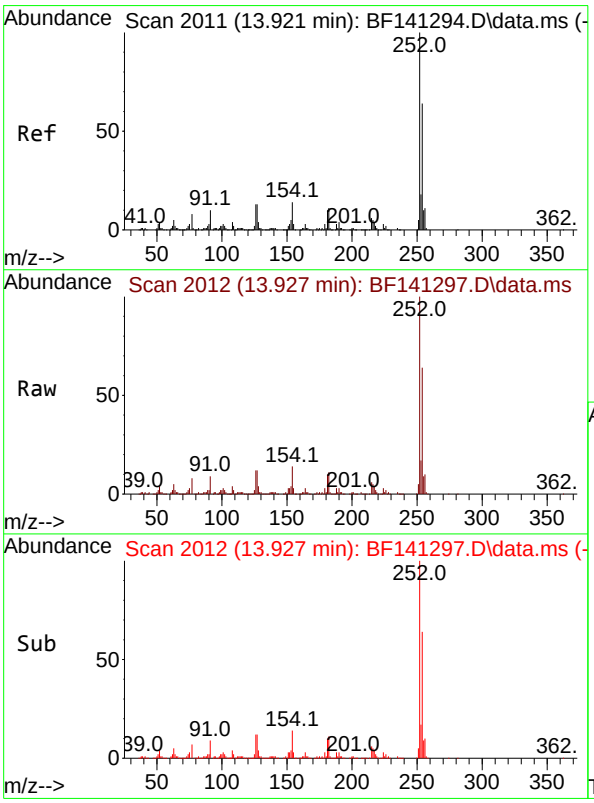
#81
Benzo(a)anthracene
Concen: 72.323 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1095972

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	19.8	15.5	23.3

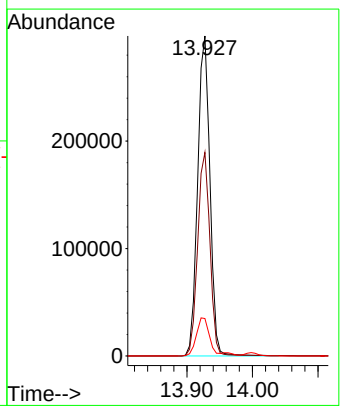


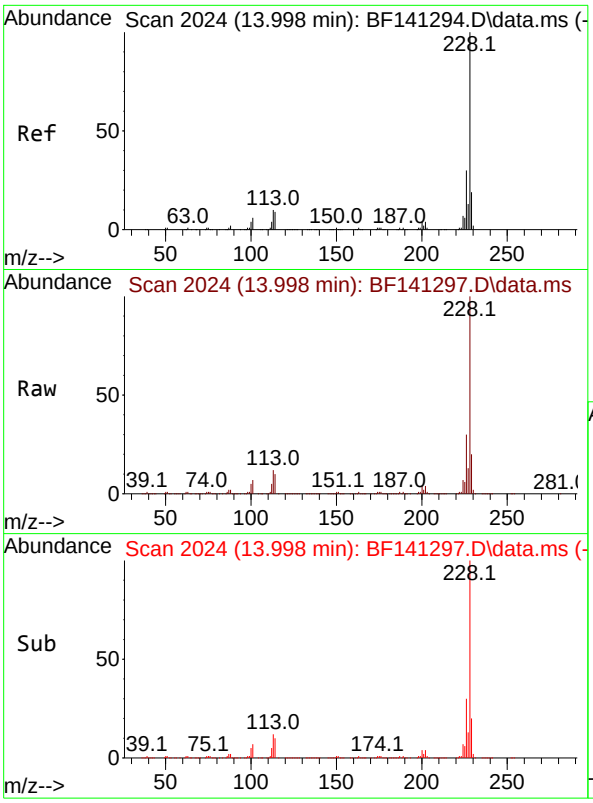


#82
3,3'-Dichlorobenzidine
Concen: 82.157 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 389044

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.3	76.9
126	11.7	10.0	15.0



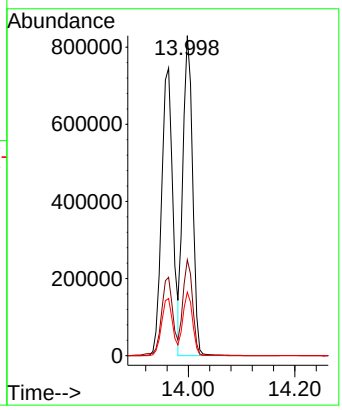


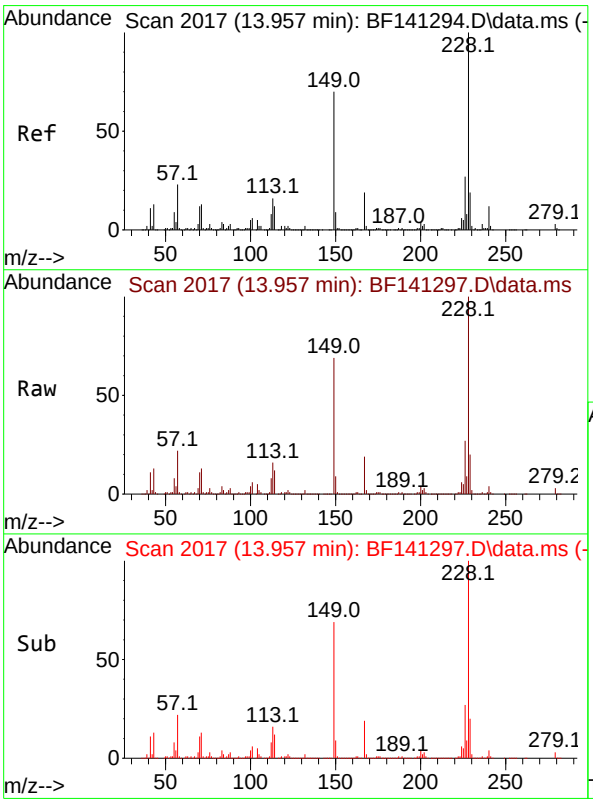
#83
Chrysene
Concen: 75.964 ng
RT: 13.998 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1048083

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	19.9	15.6	23.4

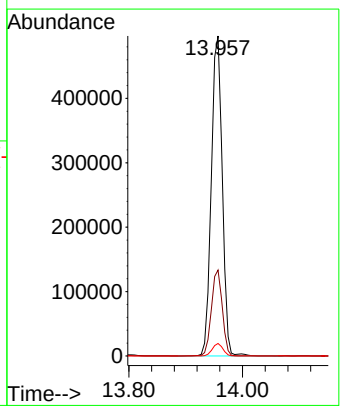


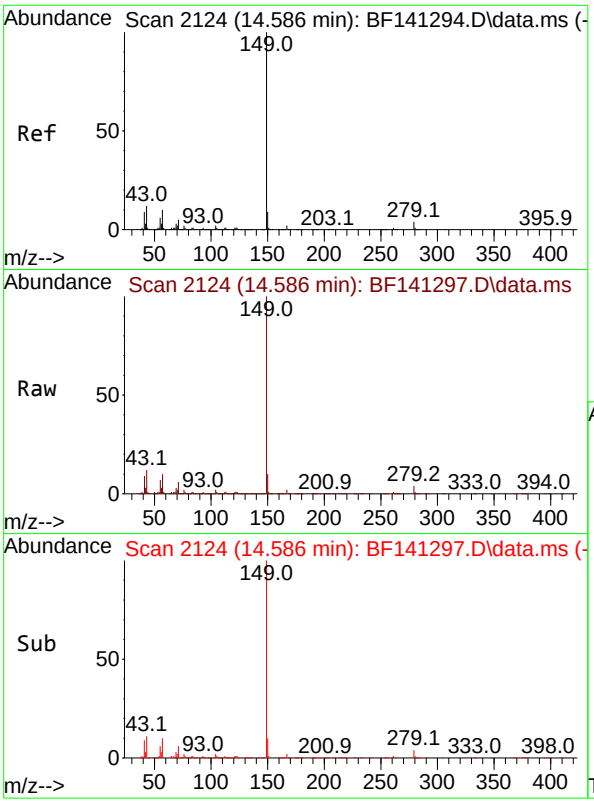


#84
Bis(2-ethylhexyl)phthalate
Concen: 70.666 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:149 Resp: 662151

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.8	32.8
279	3.9	3.3	4.9



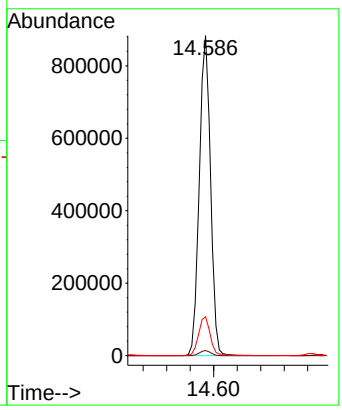


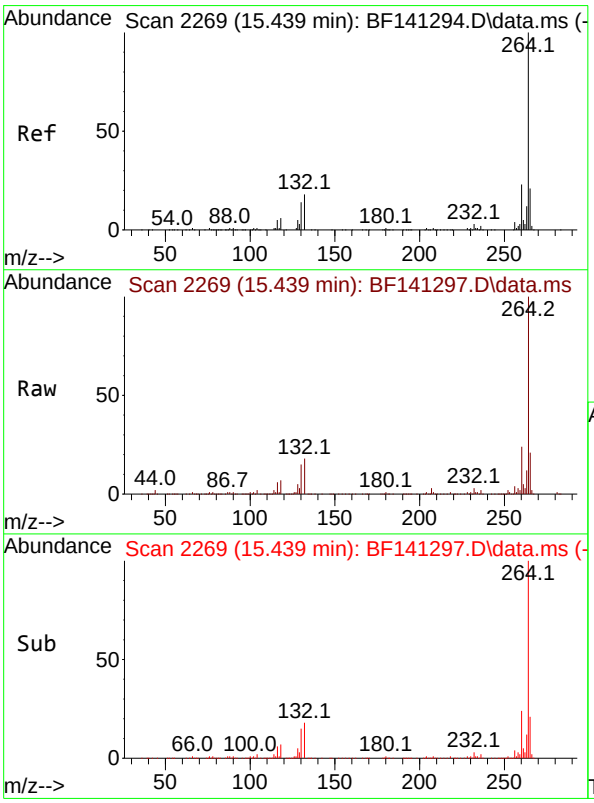
#85
Di-n-octyl phthalate
Concen: 82.148 ng
RT: 14.586 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1171131

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.7	9.8	14.8

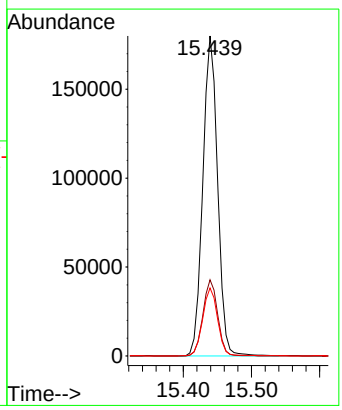


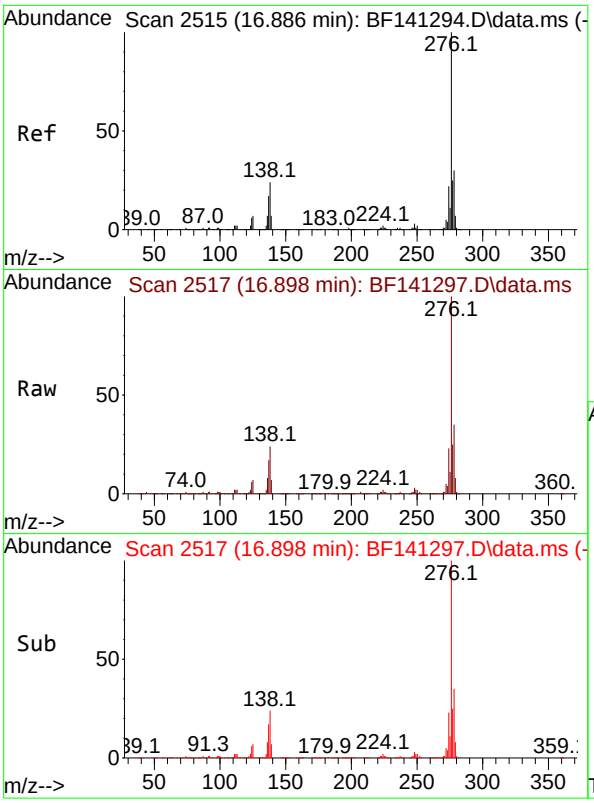


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:264 Resp: 271797

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.3	16.7	25.1



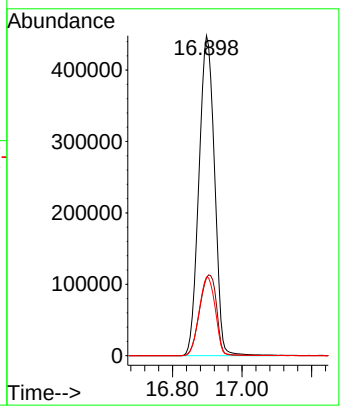


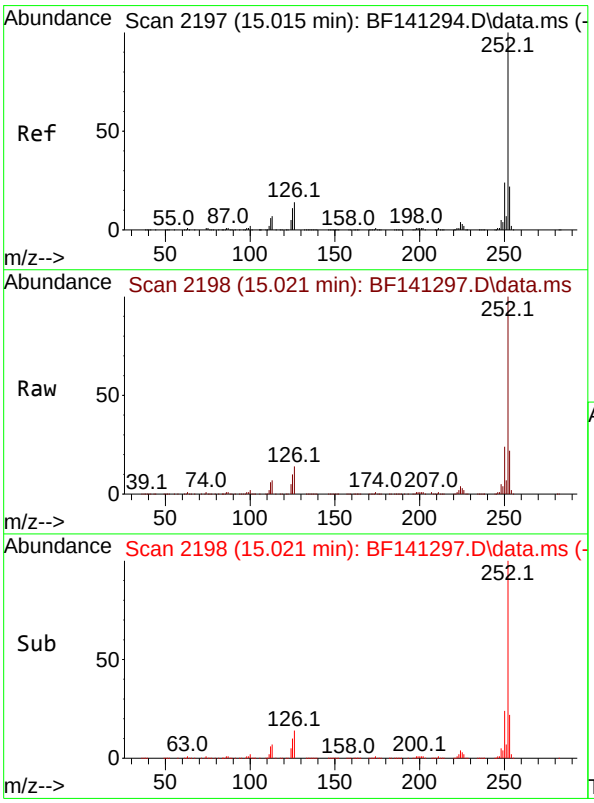
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.715 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1399119

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.3	20.3	30.5

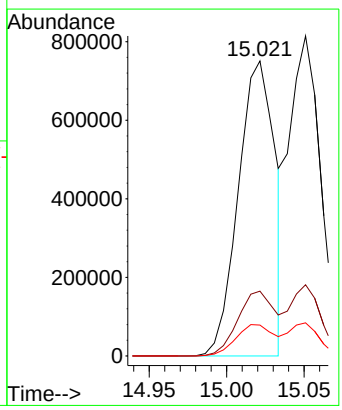


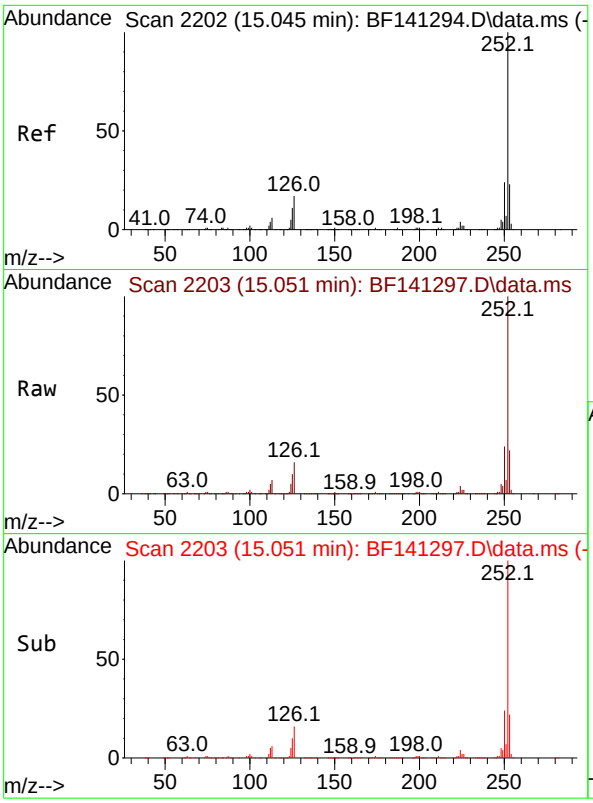


#88
Benzo(b)fluoranthene
Concen: 71.102 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1235245

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.5	8.6	12.8



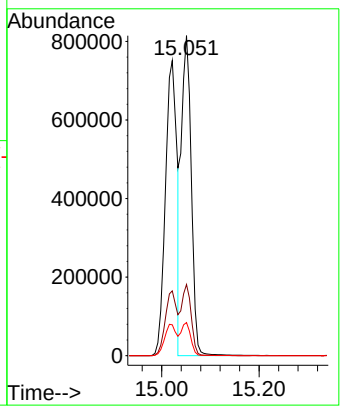


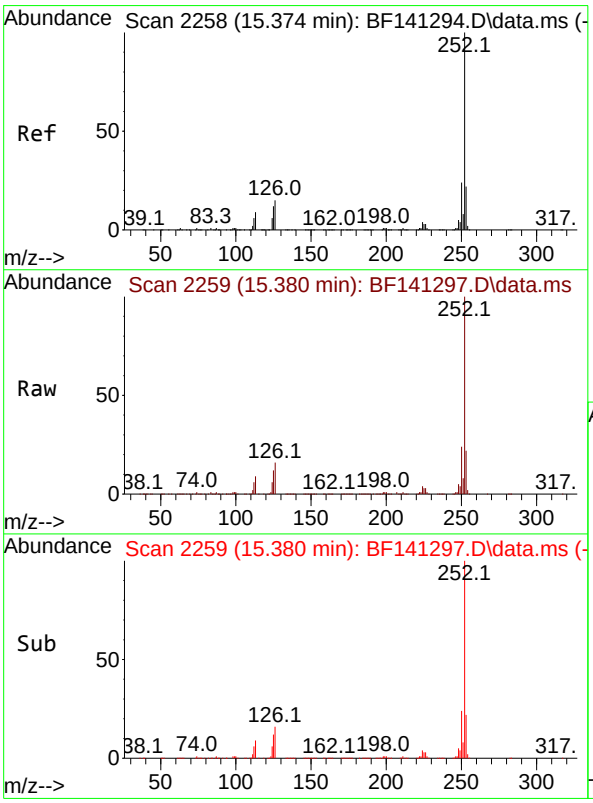
#89
Benzo(k)fluoranthene
Concen: 75.010 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1146296

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	10.4	8.4	12.6

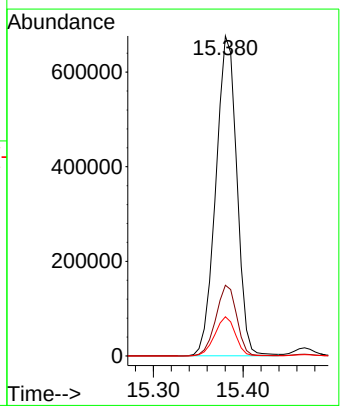


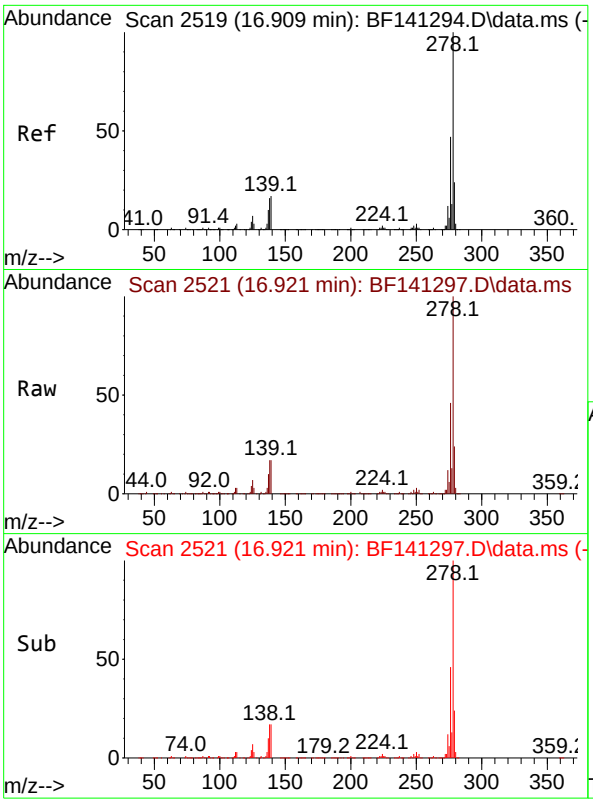


#90
Benzo(a)pyrene
Concen: 75.410 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.012 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:252 Resp: 1098491

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.3	9.4	14.2



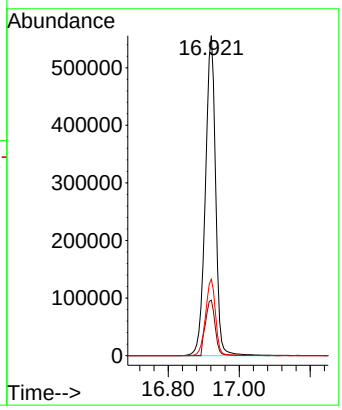


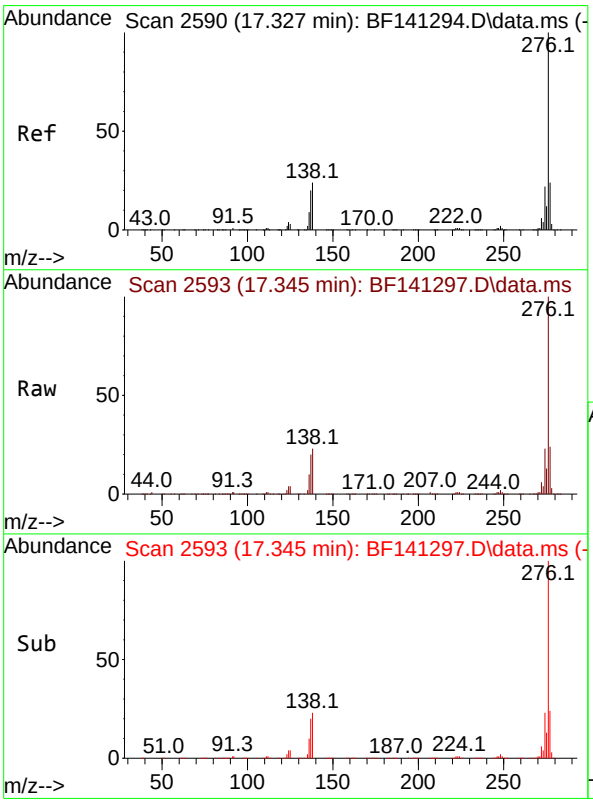
#91
Dibenzo(a,h)anthracene
Concen: 79.035 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1117397

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	23.9	18.8	28.2

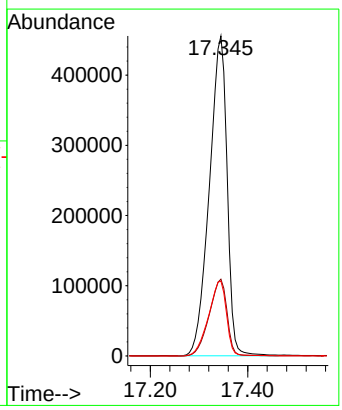




#92
Benzo(g,h,i)perylene
Concen: 78.512 ng
RT: 17.345 min Scan# 2593
Delta R.T. -0.006 min
Lab File: BF141297.D
Acq: 29 Jan 2025 17:05

Tgt Ion:276 Resp: 1155250

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	23.4	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	133318	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	525644	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	279764	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	450291	20.000	ng	0.00
76) Chrysene-d12	13.969	240	257177	20.000	ng	0.00
86) Perylene-d12	15.421	264	279455	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	650985	74.963	ng	0.00
7) Phenol-d6	6.428	99	824574	74.641	ng	-0.01
23) Nitrobenzene-d5	7.363	82	754118	75.630	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	192773	75.161	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1325725	72.938	ng	0.00
79) Terphenyl-d14	12.910	244	1208358	72.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	142440	37.296	ng	100
3) Pyridine	3.216	79	353478	38.413	ng	100
4) n-Nitrosodimethylamine	3.169	42	199637	37.977	ng	100
6) Aniline	6.463	93	368792	39.437	ng	99
8) 2-Chlorophenol	6.581	128	349085	37.505	ng	99
9) Benzaldehyde	6.346	77	236537	36.965	ng	100
10) Phenol	6.440	94	443695	37.888	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	335702	37.387	ng	100
12) 1,3-Dichlorobenzene	6.740	146	382682	37.288	ng	99
13) 1,4-Dichlorobenzene	6.816	146	390597	37.885	ng	99
14) 1,2-Dichlorobenzene	6.969	146	359529	37.241	ng	100
15) Benzyl Alcohol	6.940	79	286519	37.952	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.075	45	587637	37.636	ng	100
17) 2-Methylphenol	7.051	107	276450	36.544	ng	99
18) Hexachloroethane	7.310	117	144890	38.094	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	241878	36.848	ng	100
20) 3+4-Methylphenols	7.204	107	347046	37.364	ng	99
22) Acetophenone	7.210	105	458757	36.717	ng	100
24) Nitrobenzene	7.381	77	391907	37.927	ng	99
25) Isophorone	7.622	82	645309	37.439	ng	100
26) 2-Nitrophenol	7.698	139	186592	38.289	ng	99
27) 2,4-Dimethylphenol	7.734	122	236052m	38.055	ng	
28) bis(2-Chloroethoxy)met...	7.834	93	411851	37.460	ng	99
29) 2,4-Dichlorophenol	7.940	162	286090	37.675	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	316431	36.488	ng	100
31) Naphthalene	8.104	128	1030995	37.128	ng	100
32) Benzoic acid	7.845	122	236833	41.534	ng	99
33) 4-Chloroaniline	8.151	127	350423	37.214	ng	99
34) Hexachlorobutadiene	8.222	225	186523	36.676	ng	99
35) Caprolactam	8.522	113	93403	37.662	ng	97
36) 4-Chloro-3-methylphenol	8.634	107	305288	37.480	ng	99
37) 2-Methylnaphthalene	8.792	142	651222	36.898	ng	99
38) 1-Methylnaphthalene	8.892	142	651341	37.570	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	296277	37.226	ng	99
41) Hexachlorocyclopentadiene	8.945	237	93930	39.961	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	201214	38.625	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	209611	36.969	ng		100
46) 1,1'-Biphenyl	9.257	154	809694	37.111	ng		100
47) 2-Chloronaphthalene	9.281	162	626457	36.837	ng		100
48) 2-Nitroaniline	9.381	65	203104	37.970	ng		98
49) Acenaphthylene	9.698	152	890709	37.416	ng		100
50) Dimethylphthalate	9.563	163	697300	36.904	ng		100
51) 2,6-Dinitrotoluene	9.622	165	164343	37.459	ng		99
52) Acenaphthene	9.869	154	632756	37.206	ng		99
53) 3-Nitroaniline	9.792	138	164042	38.150	ng		98
54) 2,4-Dinitrophenol	9.892	184	81034	39.734	ng	#	85
55) Dibenzofuran	10.045	168	842555	37.012	ng		100
56) 4-Nitrophenol	9.945	139	122925	39.089	ng		99
57) 2,4-Dinitrotoluene	10.022	165	217705	38.327	ng		99
58) Fluorene	10.386	166	643639	36.451	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	169067	37.902	ng		99
60) Diethylphthalate	10.263	149	683674	37.316	ng		99
61) 4-Chlorophenyl-phenyle...	10.381	204	312065	36.180	ng		99
62) 4-Nitroaniline	10.404	138	159227	37.665	ng		99
63) Azobenzene	10.539	77	678905	37.020	ng		100
65) 4,6-Dinitro-2-methylph...	10.433	198	111635	41.913	ng		99
66) n-Nitrosodiphenylamine	10.498	169	564452	38.757	ng		99
67) 4-Bromophenyl-phenylether	10.869	248	199009	39.477	ng		98
68) Hexachlorobenzene	10.933	284	208171	38.929	ng		99
69) Atrazine	11.028	200	190958	39.215	ng		99
70) Pentachlorophenol	11.128	266	128300	40.973	ng		99
71) Phenanthrene	11.351	178	922625	38.117	ng		100
72) Anthracene	11.398	178	912703	38.484	ng		100
73) Carbazole	11.557	167	813036	38.661	ng		100
74) Di-n-butylphthalate	11.892	149	984759	38.639	ng		100
75) Fluoranthene	12.539	202	902637	37.768	ng		100
77) Benzidine	12.663	184	405163	49.142	ng		99
78) Pyrene	12.769	202	894269	36.225	ng		99
80) Butylbenzylphthalate	13.392	149	324793	37.660	ng		99
81) Benzo(a)anthracene	13.957	228	631556	35.587	ng		99
82) 3,3'-Dichlorobenzidine	13.921	252	218850	38.774	ng		99
83) Chrysene	13.992	228	610038	37.508	ng		100
84) Bis(2-ethylhexyl)phtha...	13.951	149	400642	36.620	ng		100
85) Di-n-octyl phthalate	14.569	149	642439	37.807	ng		99
87) Indeno(1,2,3-cd)pyrene	16.868	276	678653	37.626	ng		99
88) Benzo(b)fluoranthene	14.998	252	683111	38.861	ng		100
89) Benzo(k)fluoranthene	15.027	252	556960	35.766	ng		99
90) Benzo(a)pyrene	15.363	252	567574	38.209	ng		99
91) Dibenzo(a,h)anthracene	16.886	278	551534	38.007	ng		99
92) Benzo(g,h,i)perylene	17.304	276	559807	37.101	ng		99

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

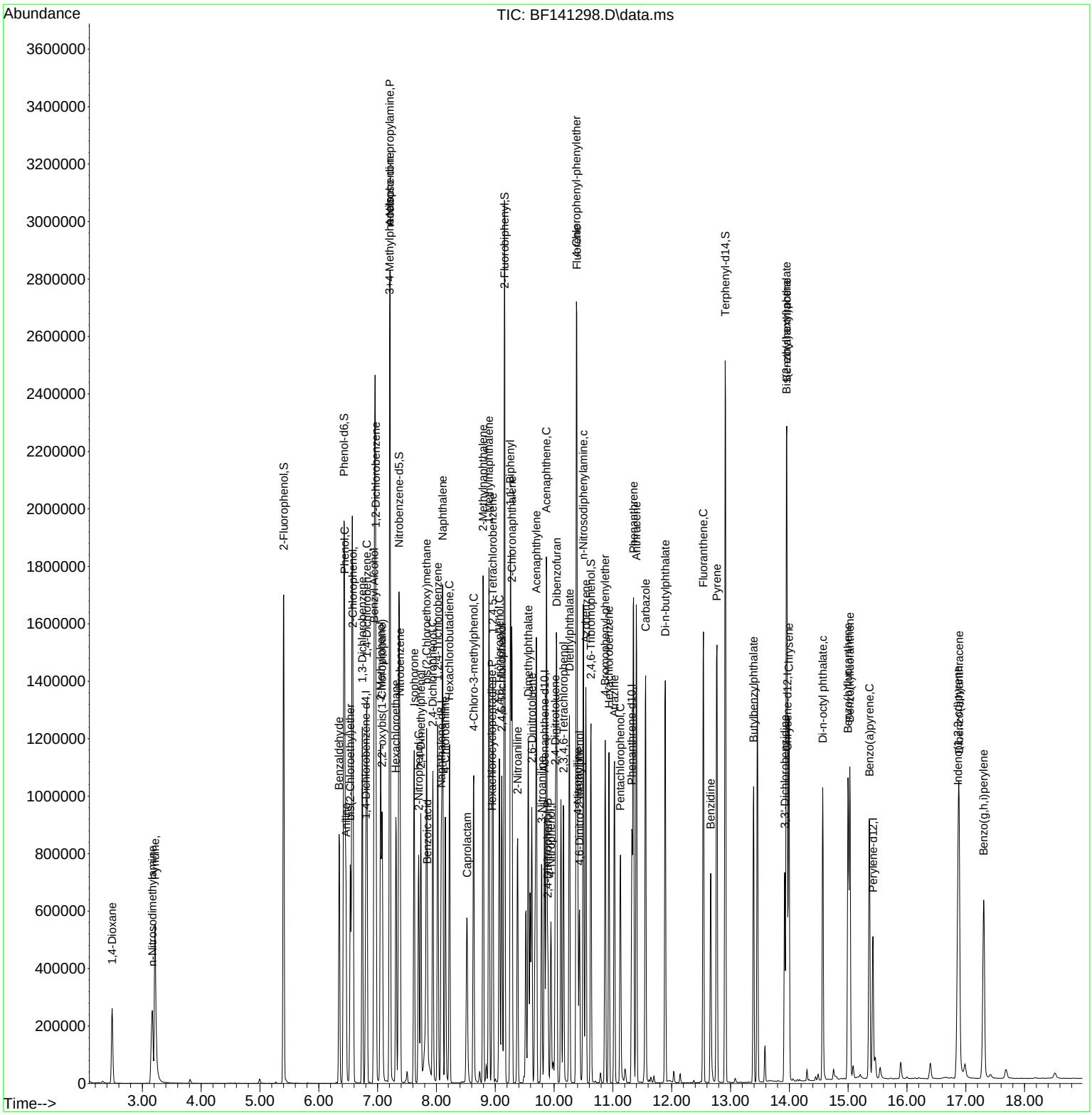
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

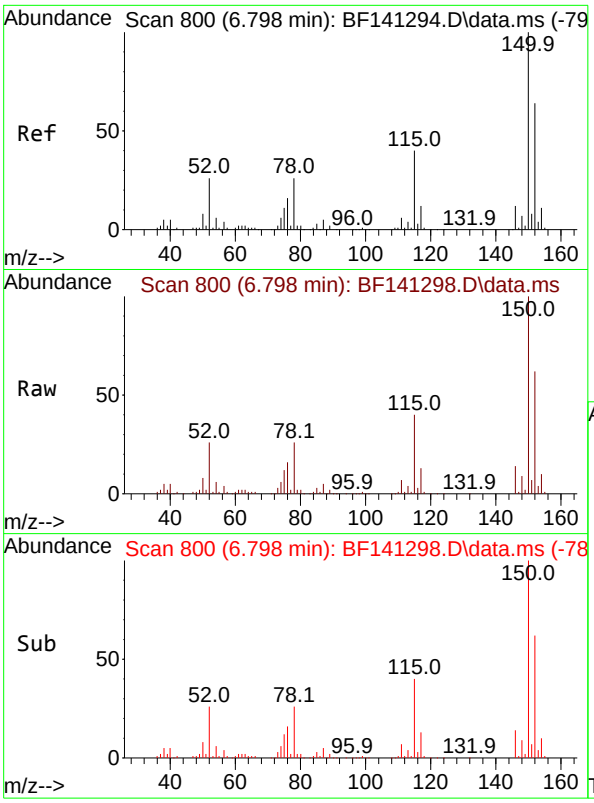
Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

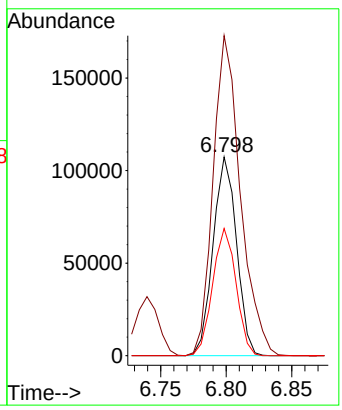




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 13331

Ion	Ratio	Lower	Upper
152	100		
150	161.0	125.9	188.9
115	64.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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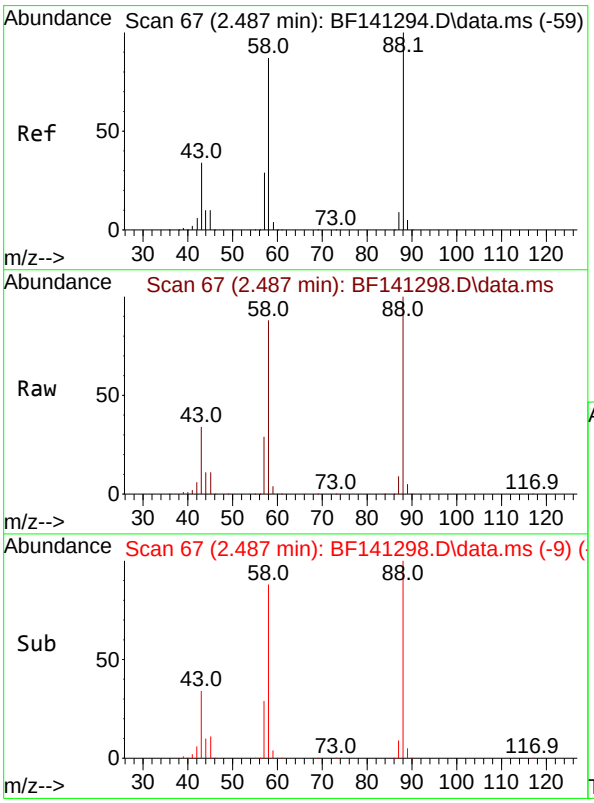
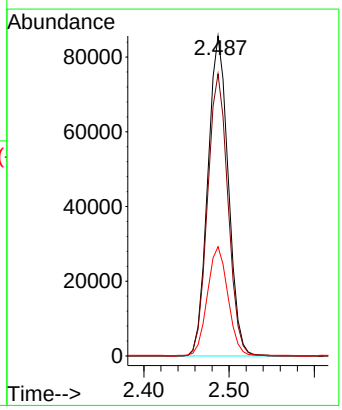
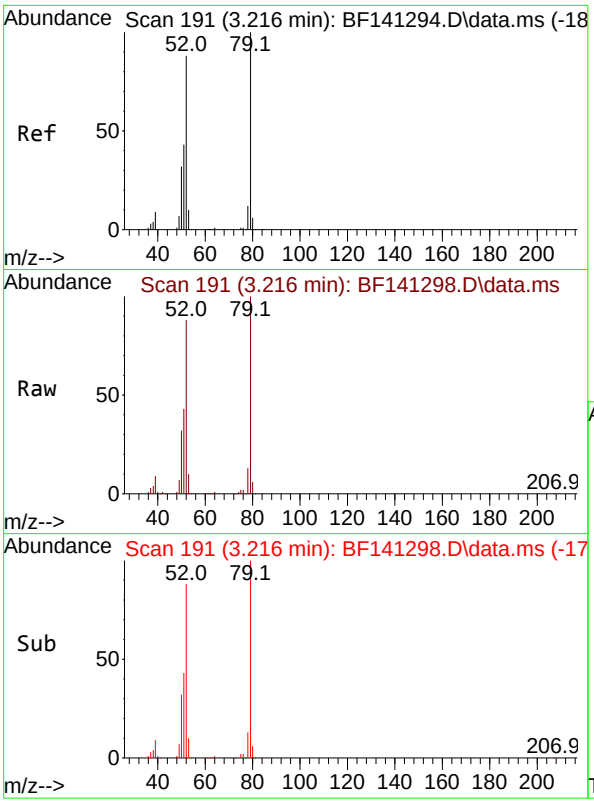


#2
1,4-Dioxane
Concen: 37.296 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 88 Resp: 142440

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.7	27.6	41.4

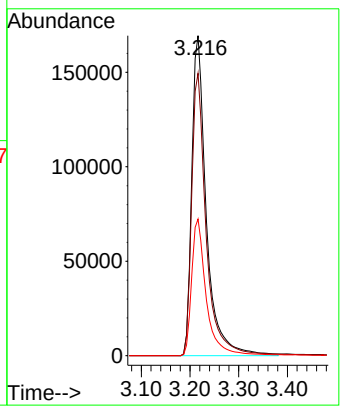




#3
Pyridine
Concen: 38.413 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 35347

Ion	Ratio	Lower	Upper
79	100		
52	88.3	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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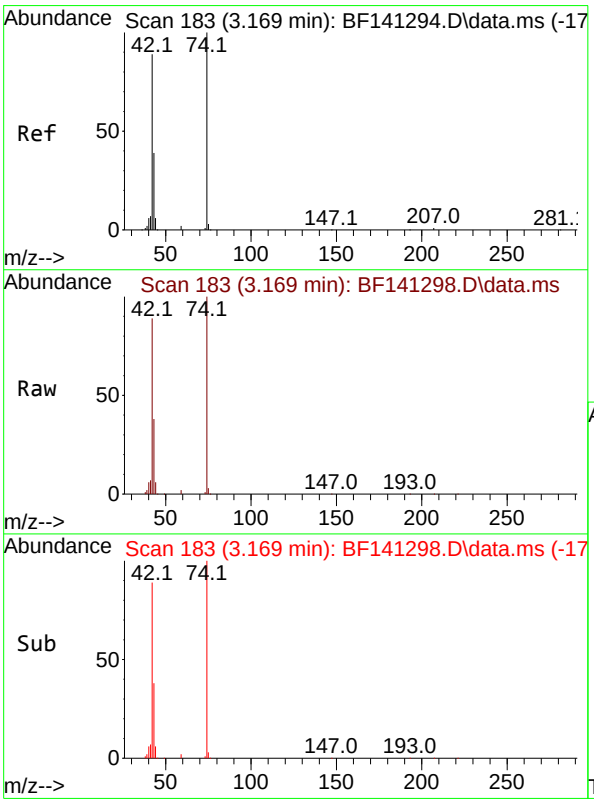
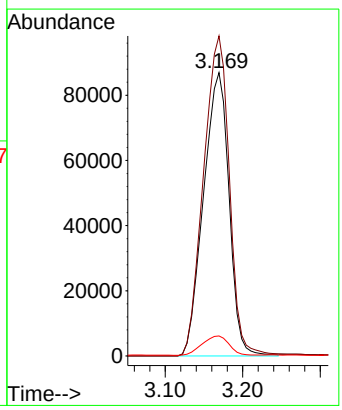
Supervised By :mohammad ahmed 02/04/2025

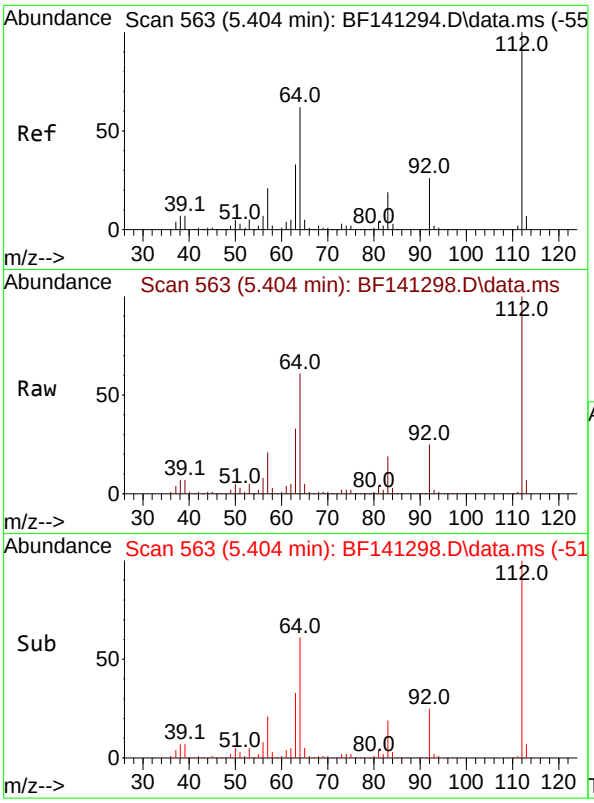


#4
n-Nitrosodimethylamine
Concen: 37.977 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 42 Resp: 199637

Ion	Ratio	Lower	Upper
42	100		
74	112.9	90.3	135.5
44	7.1	5.7	8.5

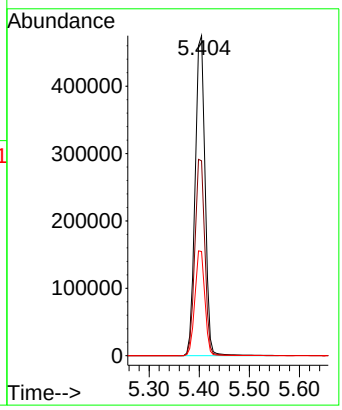




#5
2-Fluorophenol
Concen: 74.963 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:112 Resp: 65098

Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.8	74.8
63	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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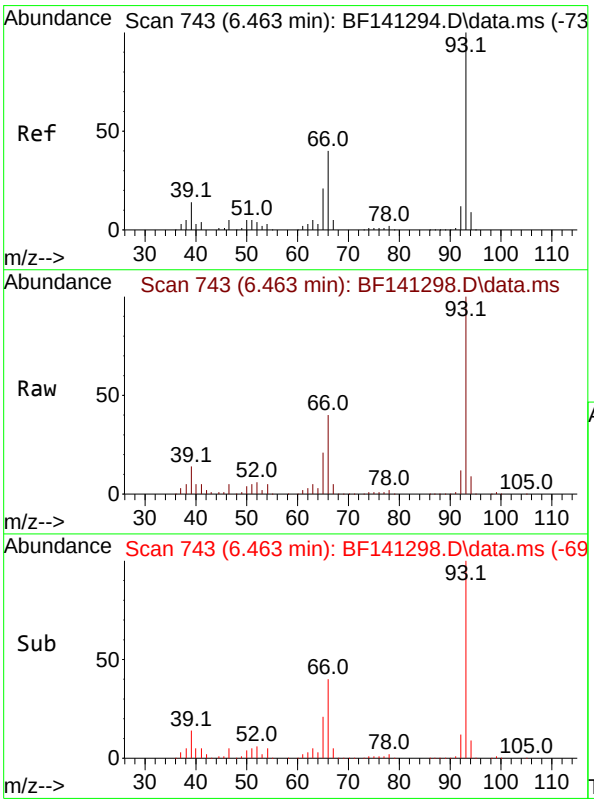
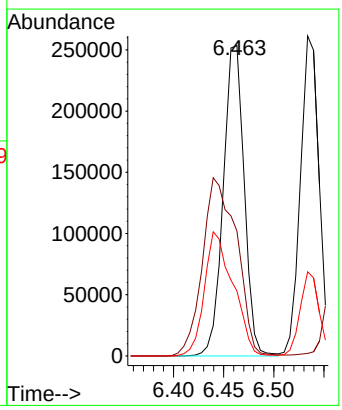
Supervised By :mohammad ahmed 02/04/2025

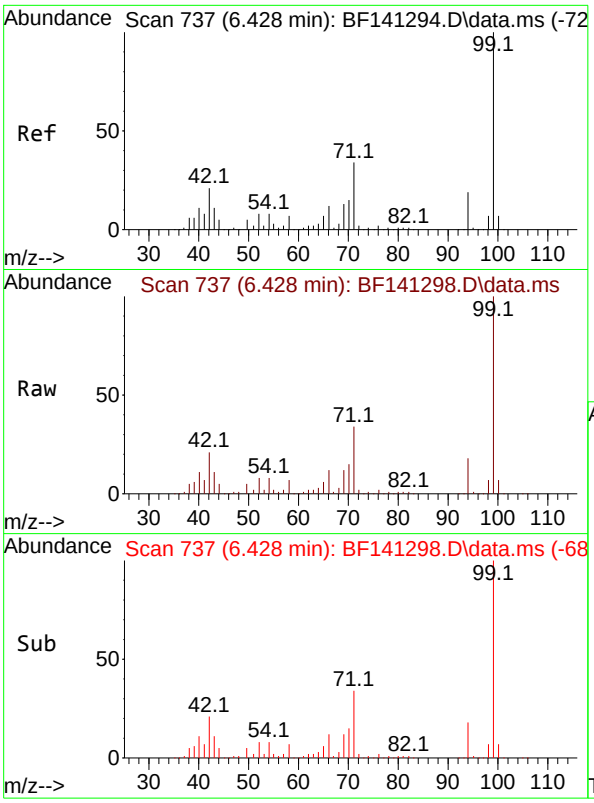


#6
Aniline
Concen: 39.437 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 368792

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.5	48.7
65	20.9	17.0	25.6

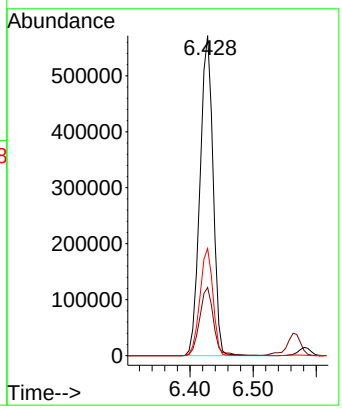




#7
Phenol-d6
Concen: 74.641 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 99 Resp: 82457

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.1	25.7
71	33.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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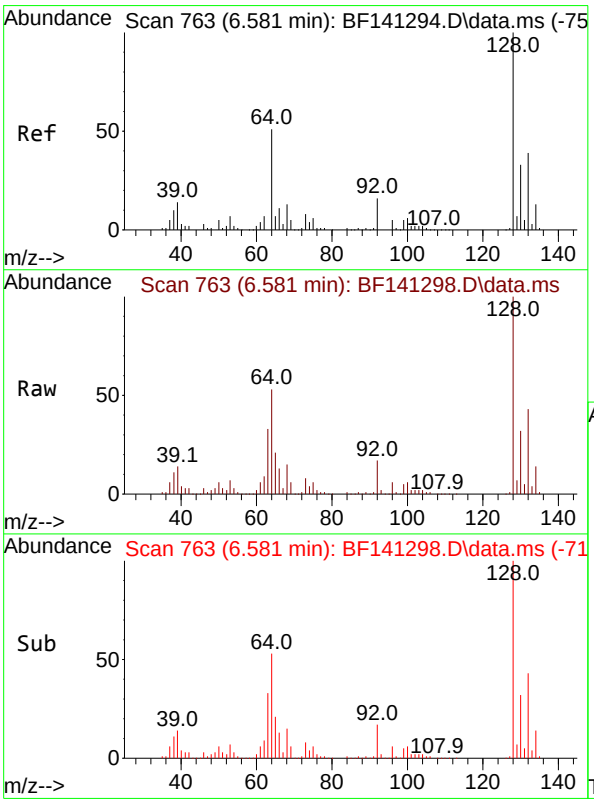
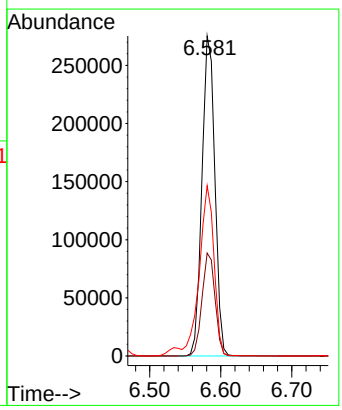
Supervised By :mohammad ahmed 02/04/2025

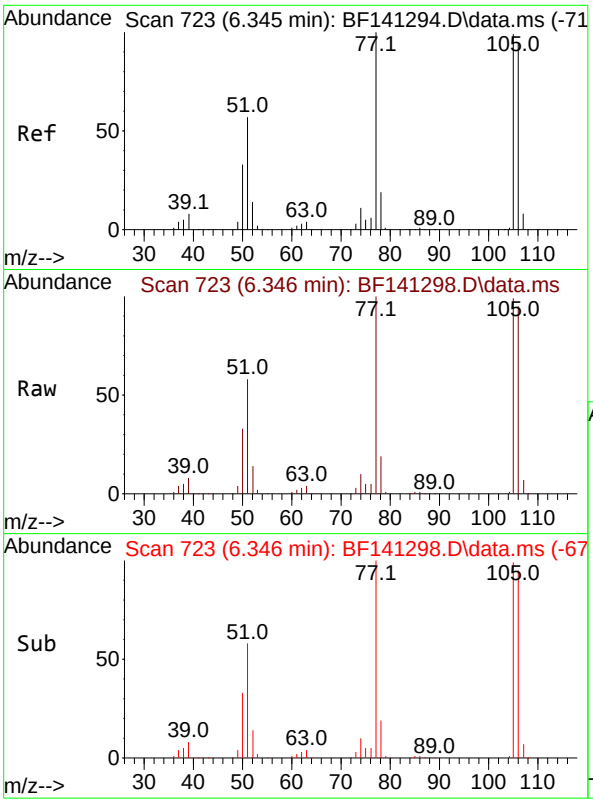


#8
2-Chlorophenol
Concen: 37.505 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 349085

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	53.2	32.9	72.9

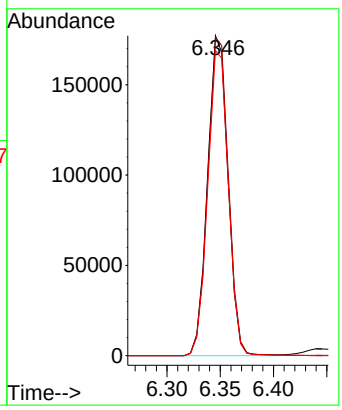




#9
Benzaldehyde
Concen: 36.965 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 23653

Ion	Ratio	Lower	Upper
77	100		
105	99.5	79.4	119.4
106	95.3	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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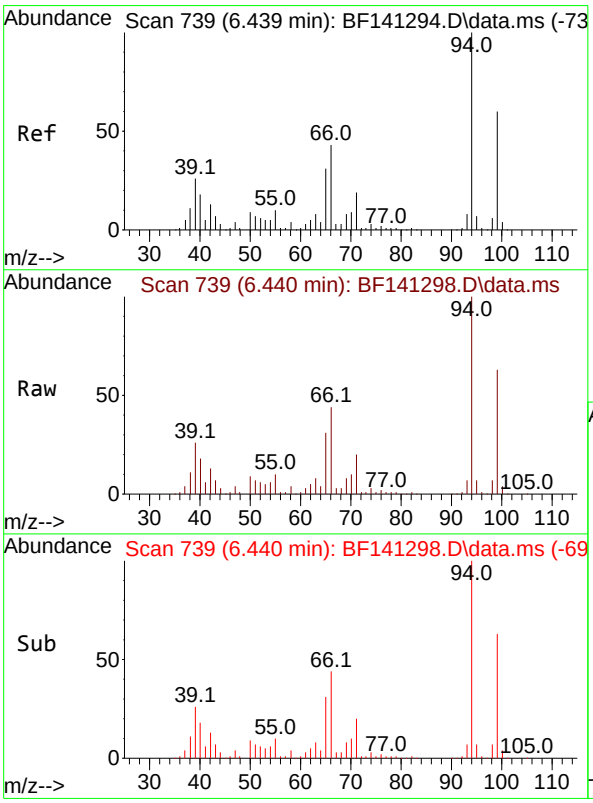
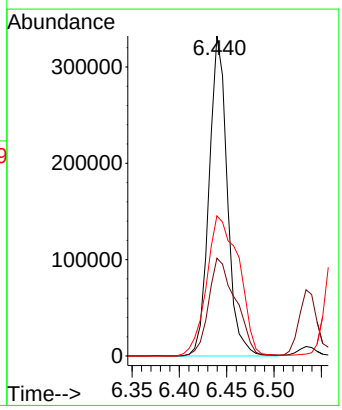
Supervised By :mohammad ahmed 02/04/2025

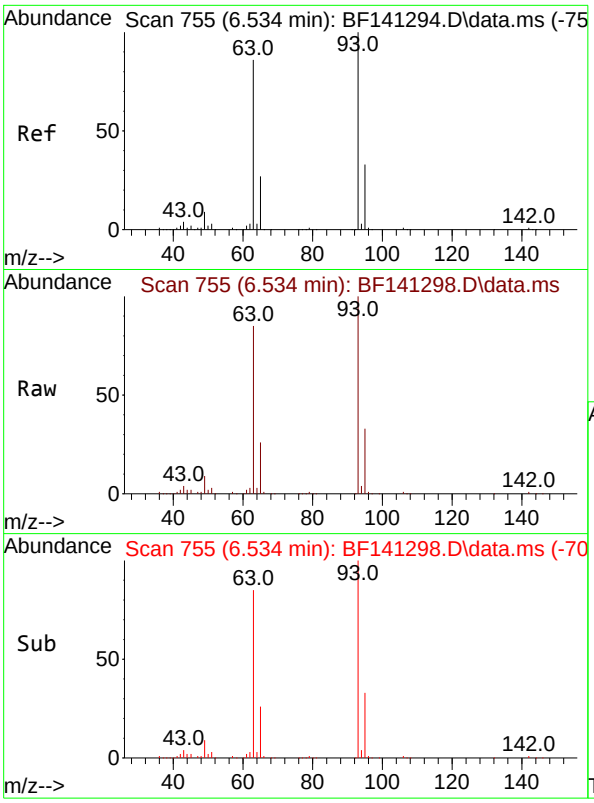


#10
Phenol
Concen: 37.888 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 94 Resp: 443695

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.8	50.8
66	43.8	23.3	63.3

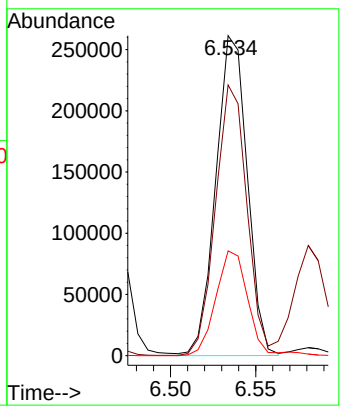




#11
bis(2-Chloroethyl)ether
Concen: 37.387 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 33570

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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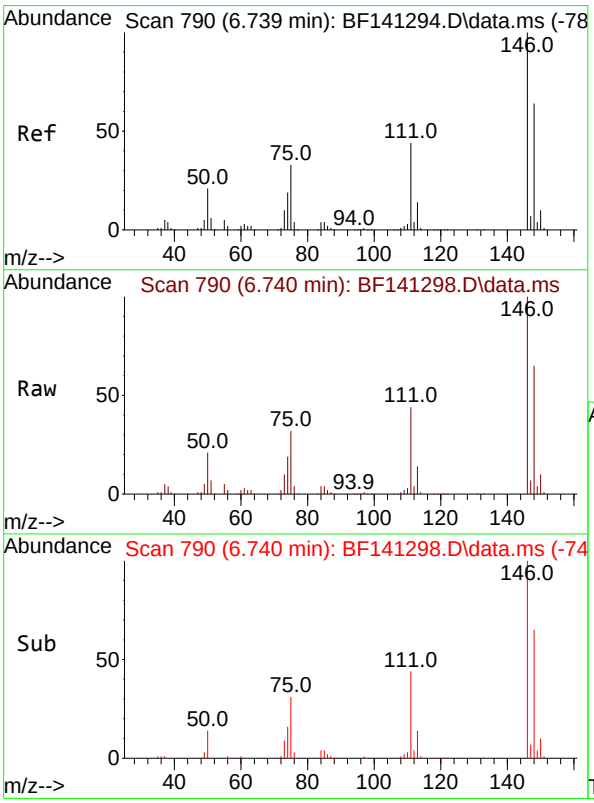
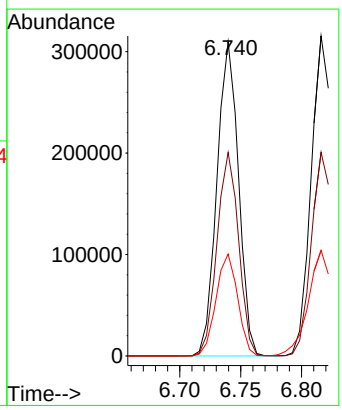
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

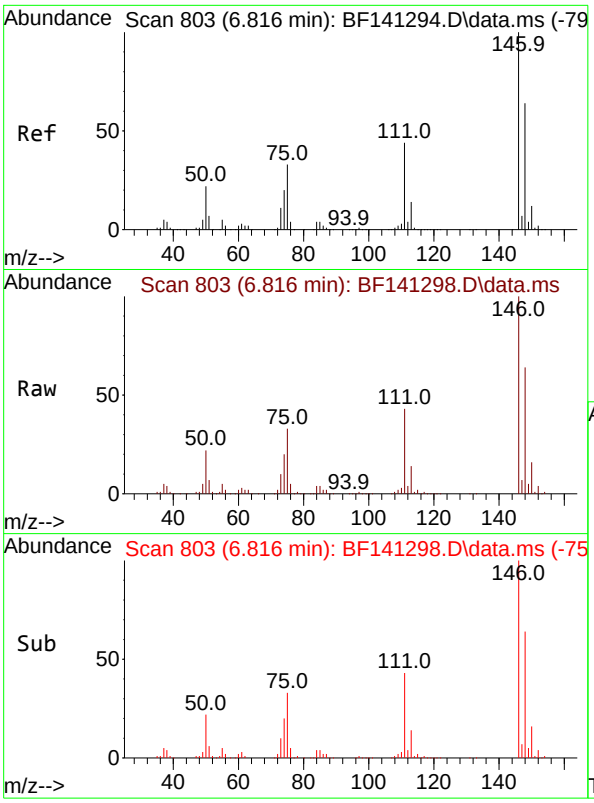


#12
1,3-Dichlorobenzene
Concen: 37.288 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 382682

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
75	32.4	26.2	39.4

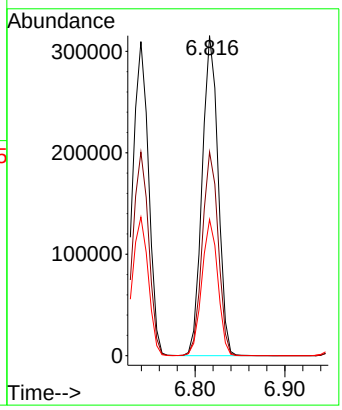




#13
1,4-Dichlorobenzene
Concen: 37.885 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 39059

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	42.5	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
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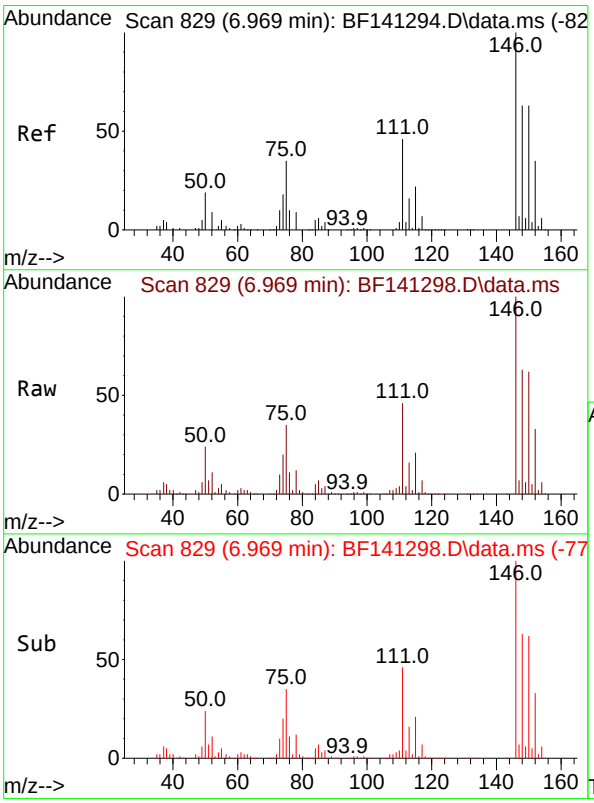
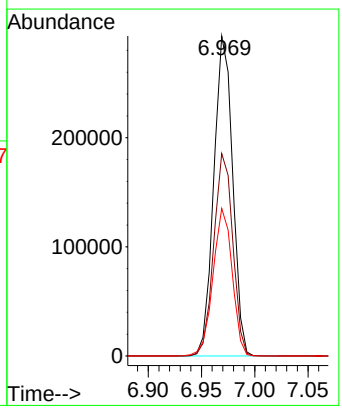
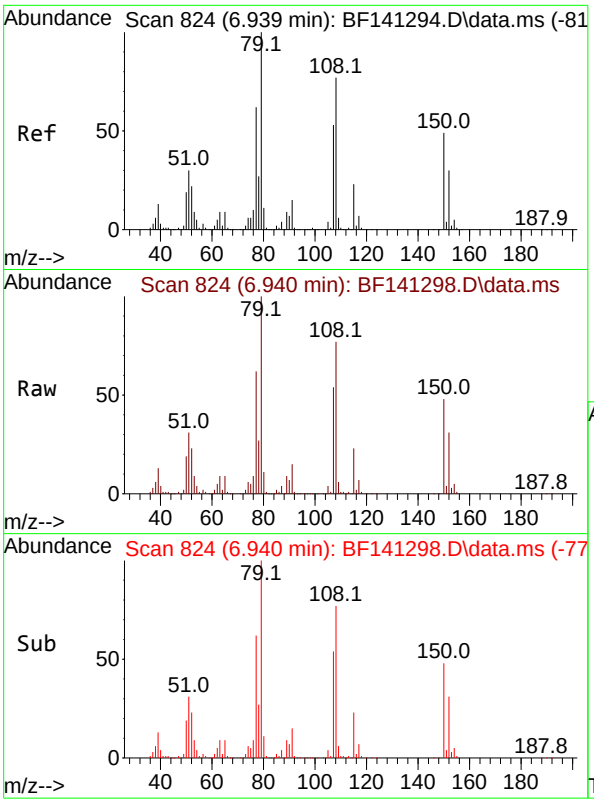


#14
1,2-Dichlorobenzene
Concen: 37.241 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:146 Resp: 359529

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	46.1	36.6	55.0

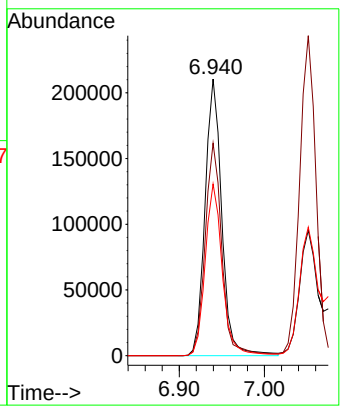




#15
Benzyl Alcohol
Concen: 37.952 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 79 Resp: 28651

Ion	Ratio	Lower	Upper
79	100		
108	76.8	61.4	92.0
77	62.0	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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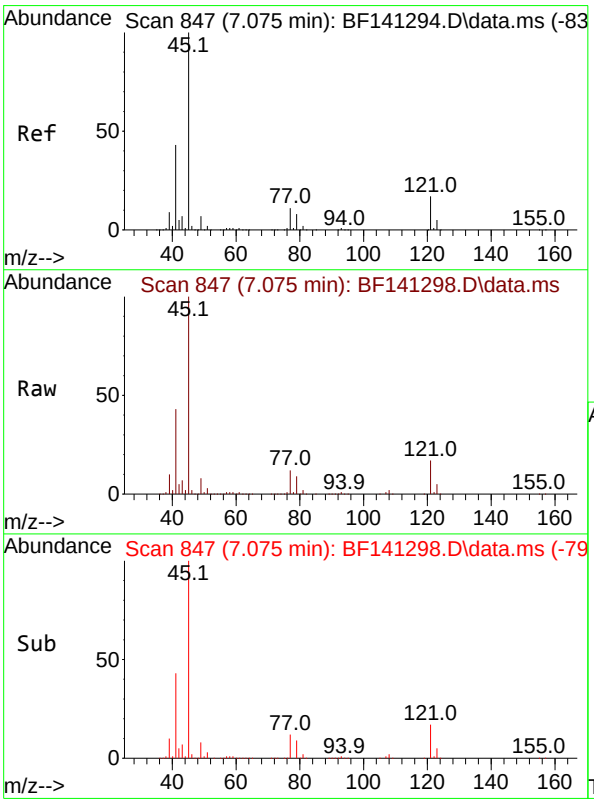
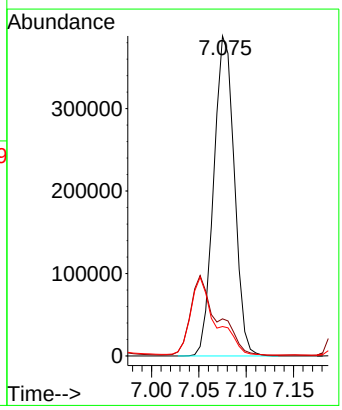
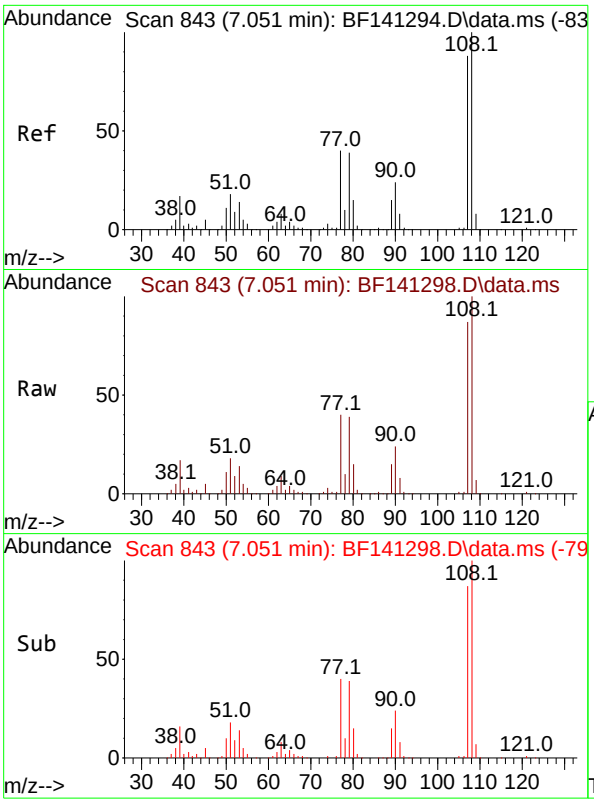


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.636 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 45 Resp: 587637

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.8
79	9.2	0.0	29.1

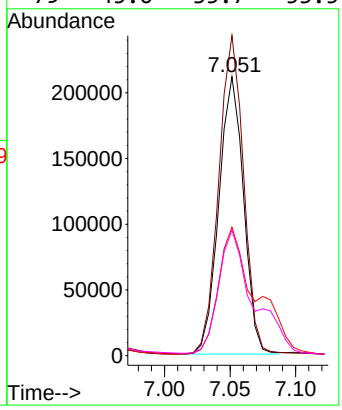




#17
2-Methylphenol
Concen: 36.544 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 27645

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.8	136.2
77	46.1	36.2	54.4
79	45.0	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Manual Integrations
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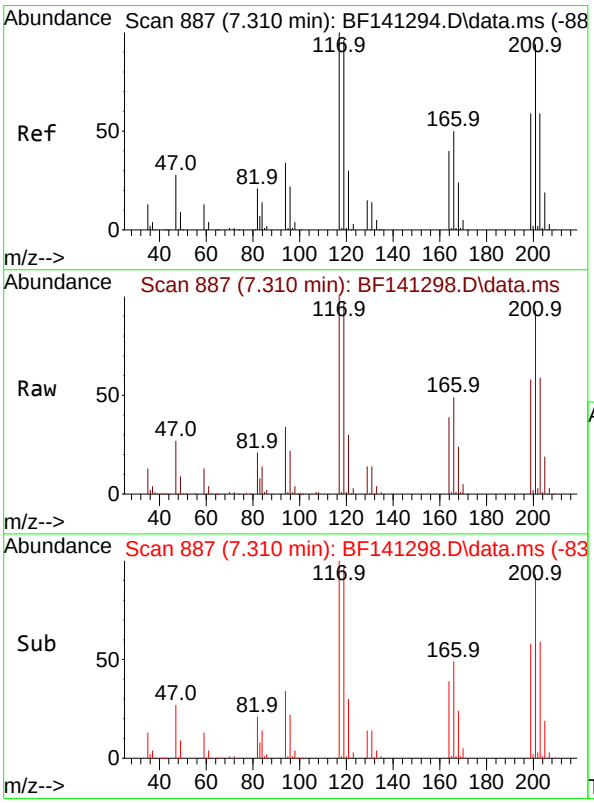
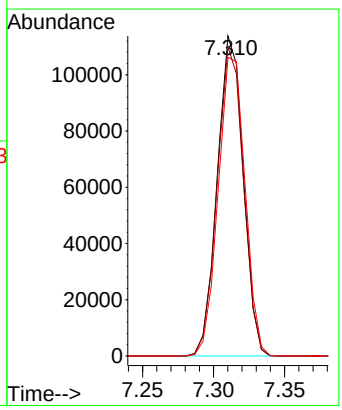
Reviewed By :Yogesh Patel 01/30/2025
Supervised By :mohammad ahmed 02/04/2025

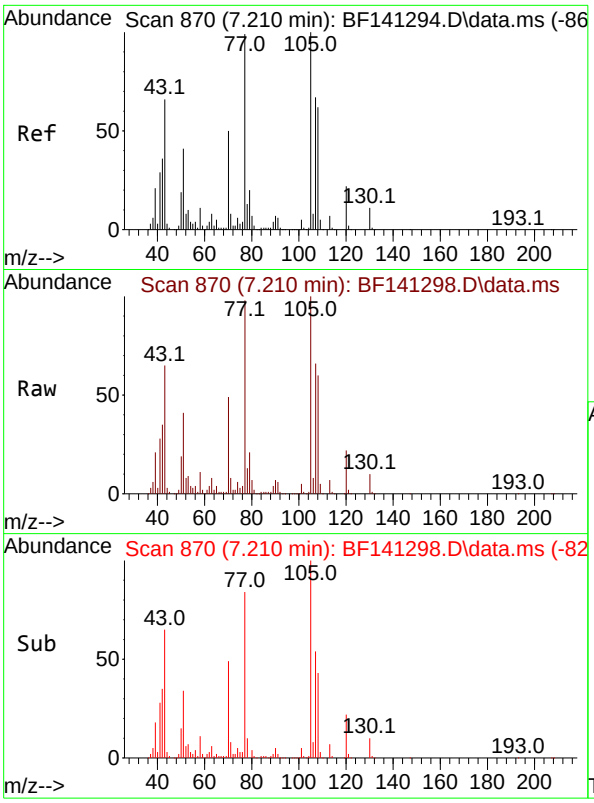


#18
Hexachloroethane
Concen: 38.094 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:117 Resp: 144890

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	114.8
201	93.3	74.8	112.2

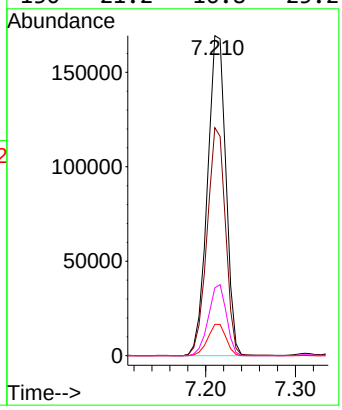




#19
n-Nitroso-di-n-propylamine
Concen: 36.848 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 70 Resp: 24187

Ion	Ratio	Lower	Upper
70	100		
42	71.3	56.8	85.2
101	9.8	7.7	11.5
130	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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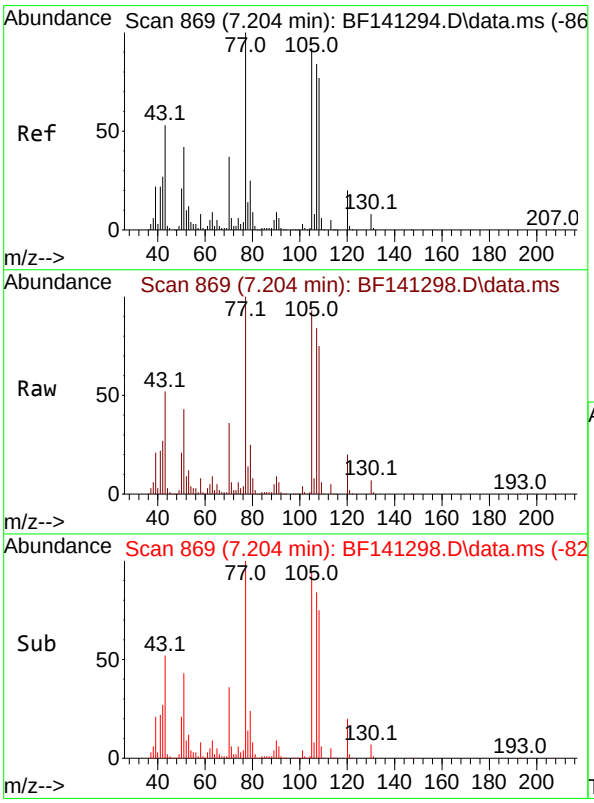
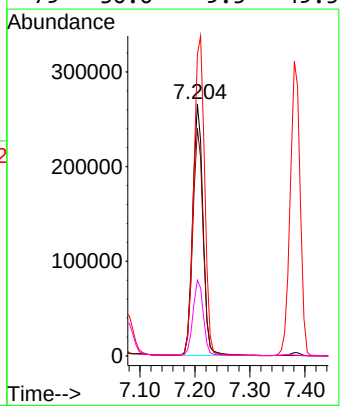
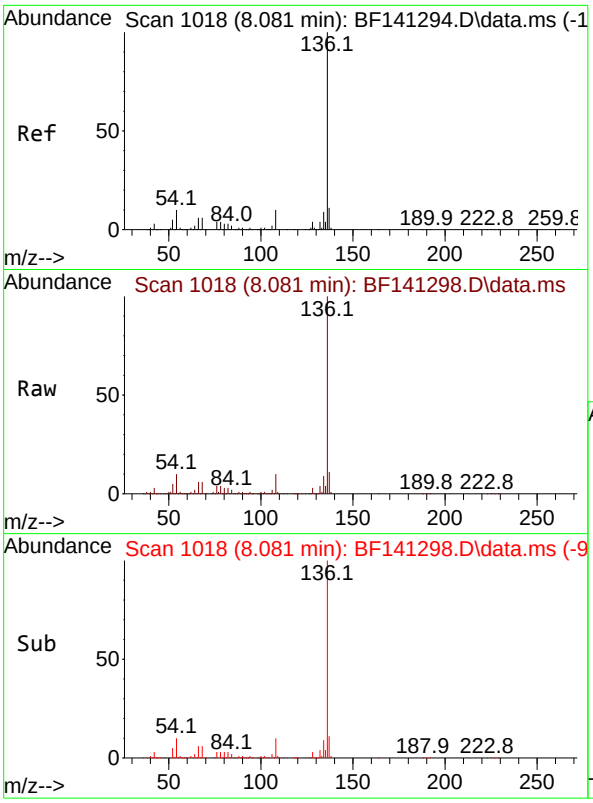


#20
3+4-Methylphenols
Concen: 37.364 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 347046

Ion	Ratio	Lower	Upper
107	100		
108	90.2	70.9	110.9
77	119.7	98.5	138.5
79	30.0	9.5	49.5

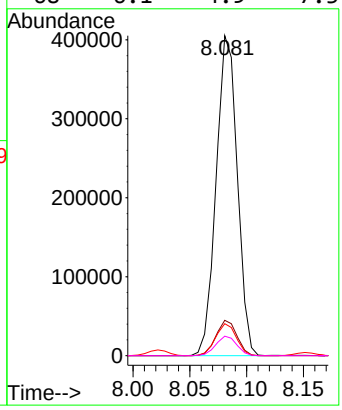




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:136 Resp: 52564

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	7.8	11.8
68	6.1	4.9	7.3



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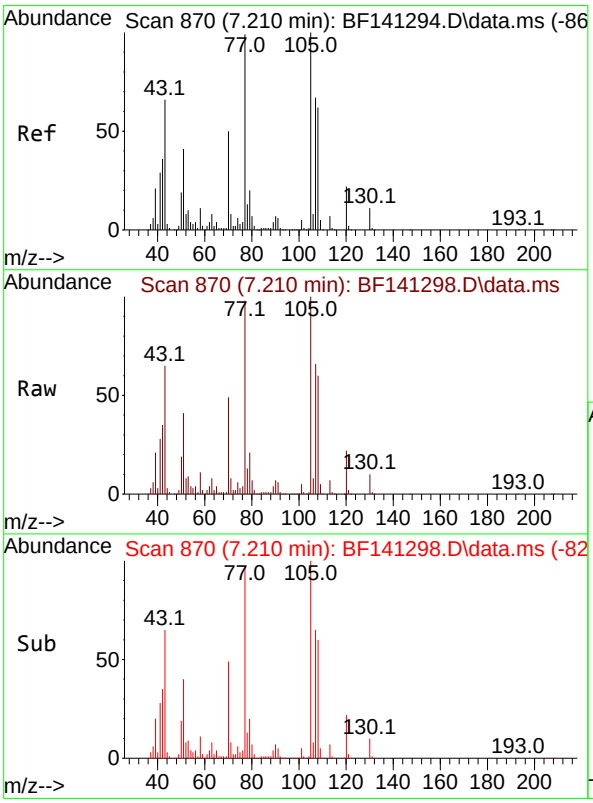
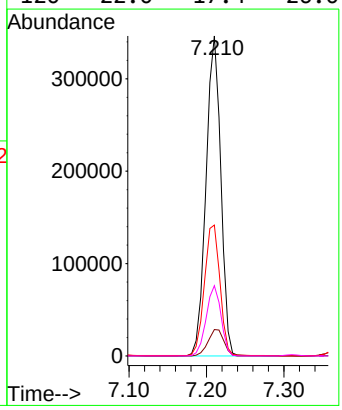
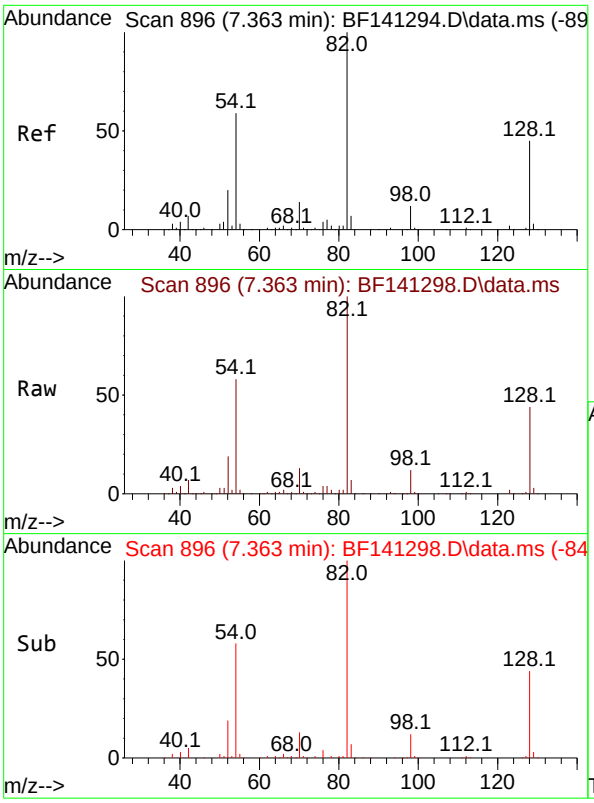


#22
Acetophenone
Concen: 36.717 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:105 Resp: 458757

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.8	10.2
51	40.9	32.6	49.0
120	22.0	17.4	26.0

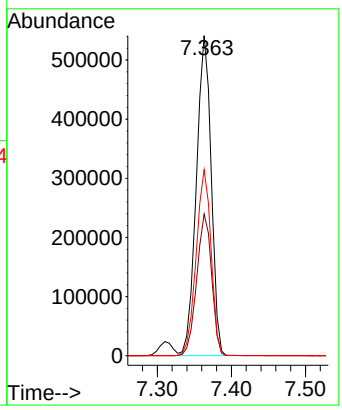




#23
Nitrobenzene-d5
Concen: 75.630 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 75411

Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.7	53.5
54	58.2	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
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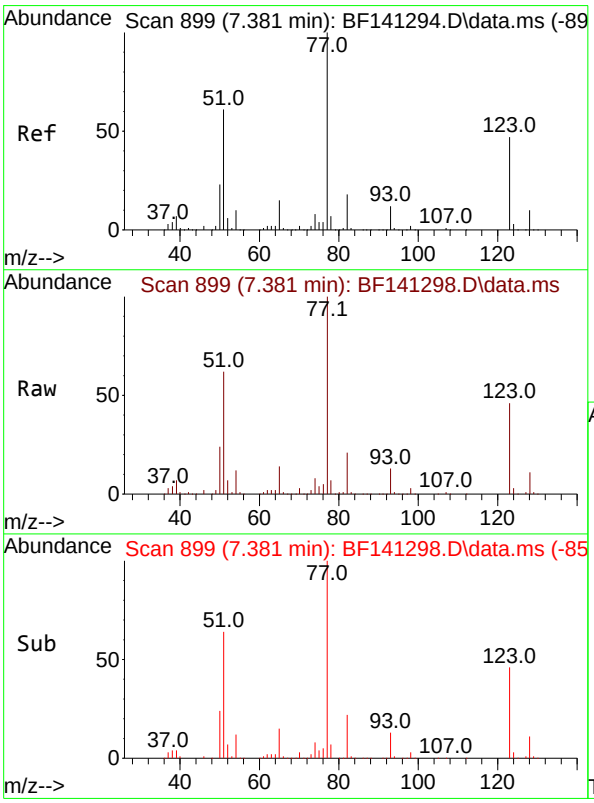
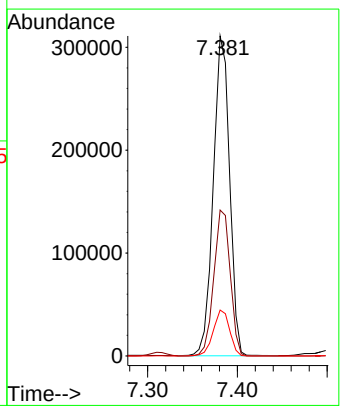
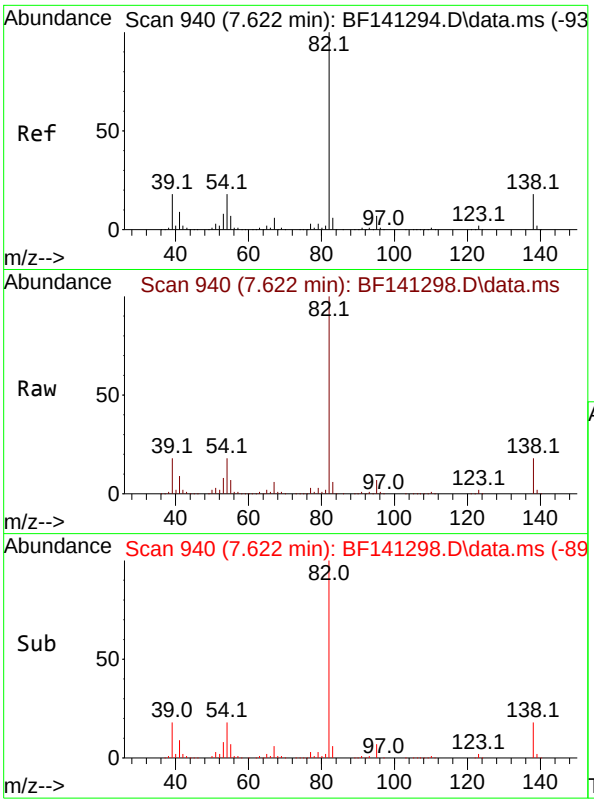


#24
Nitrobenzene
Concen: 37.927 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 391907

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	14.4	11.8	17.6

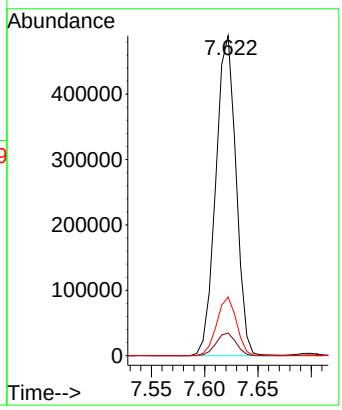




#25
Isophorone
Concen: 37.439 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 82 Resp: 64530

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.3	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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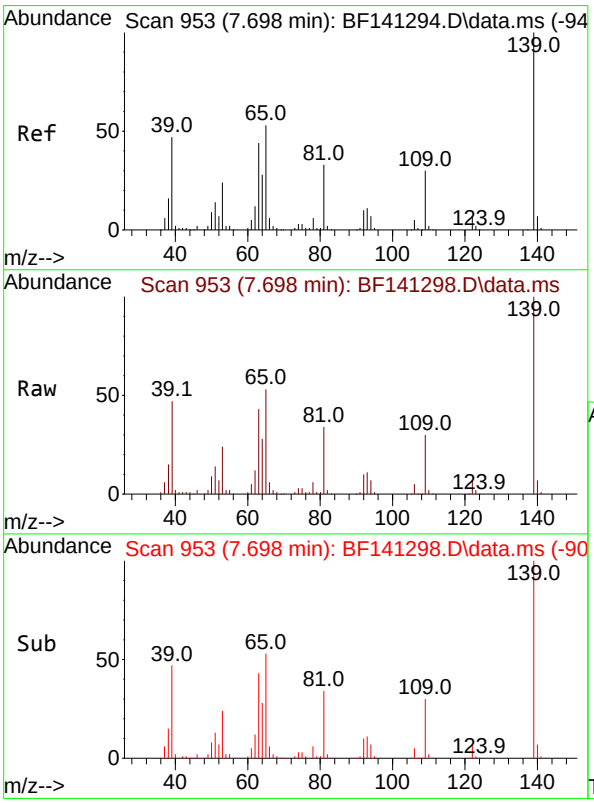
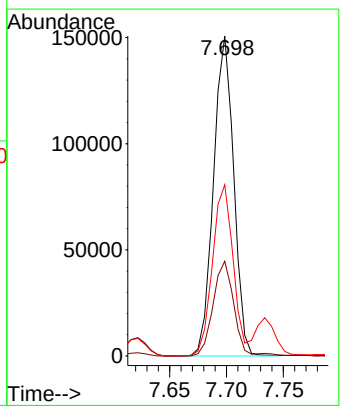
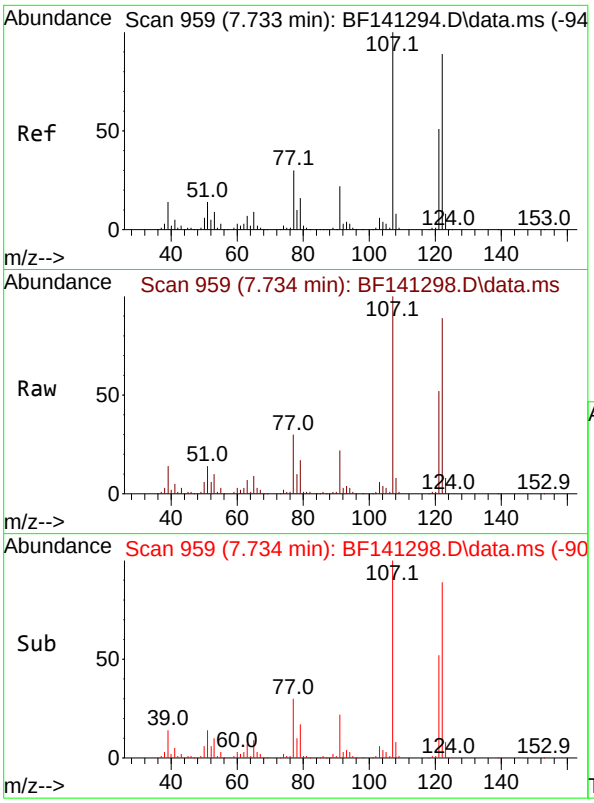


#26
2-Nitrophenol
Concen: 38.289 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 186592

Ion	Ratio	Lower	Upper
139	100		
109	29.6	23.8	35.6
65	53.5	42.2	63.4

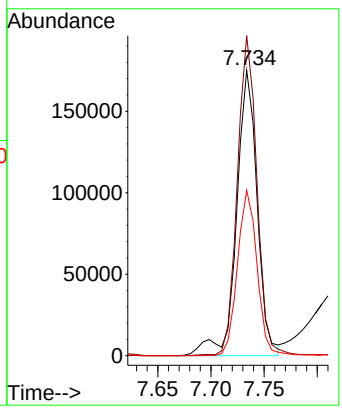




#27
2,4-Dimethylphenol
Concen: 38.055 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 23605

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	57.9	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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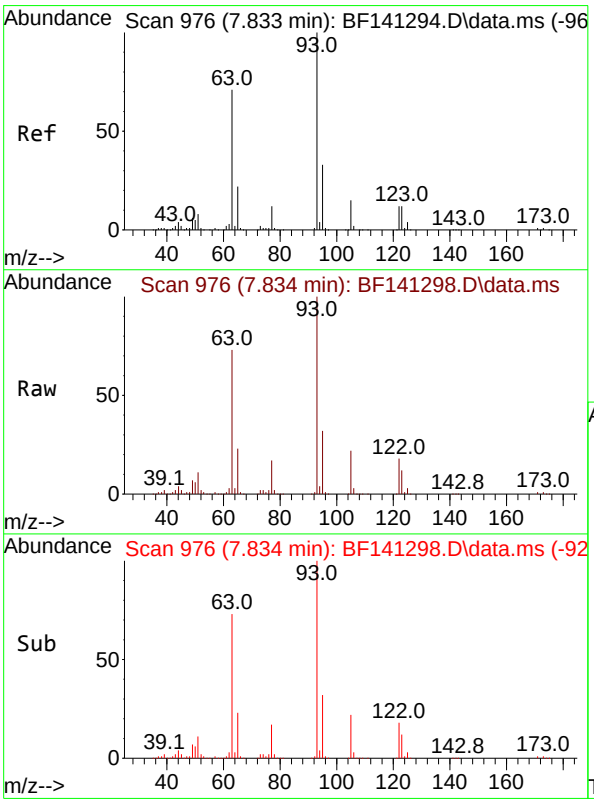
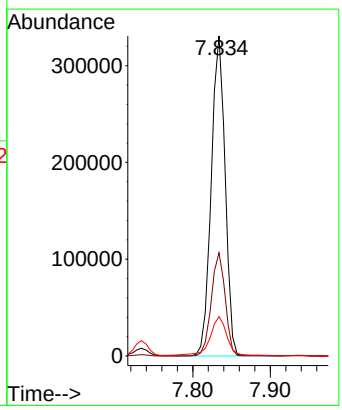
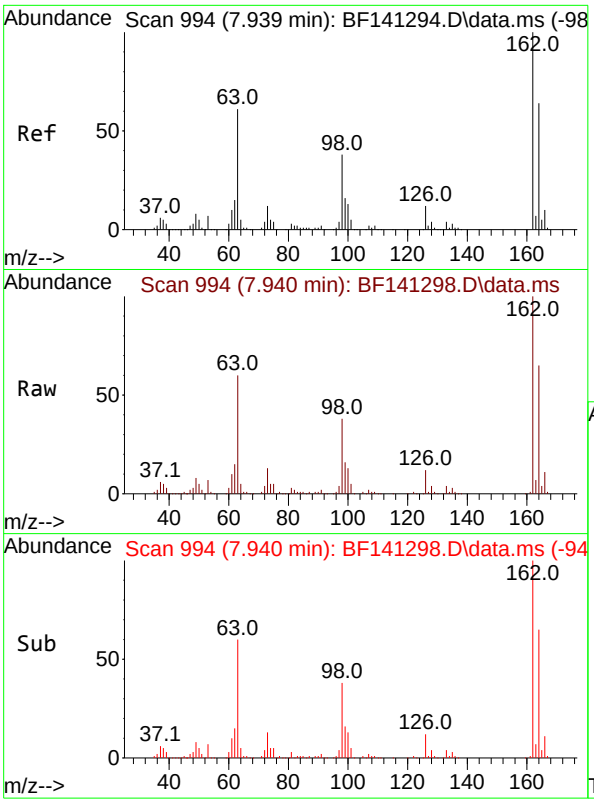


#28
bis(2-Chloroethoxy)methane
Concen: 37.460 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 93 Resp: 411851

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	12.3	10.2	15.4

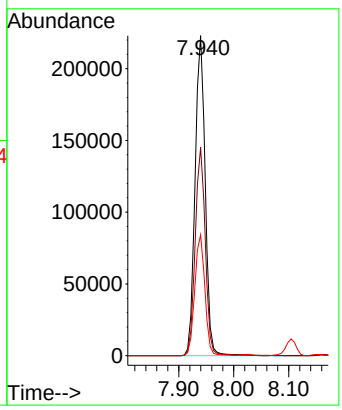




#29
2,4-Dichlorophenol
Concen: 37.675 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 28609

Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	37.7	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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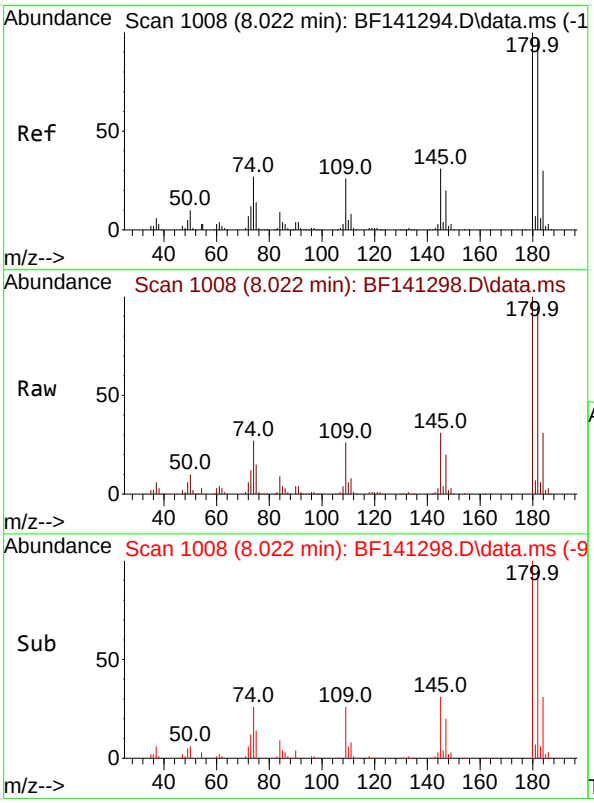
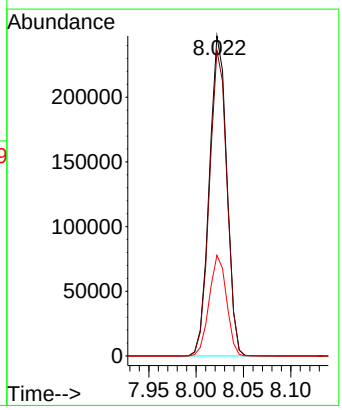
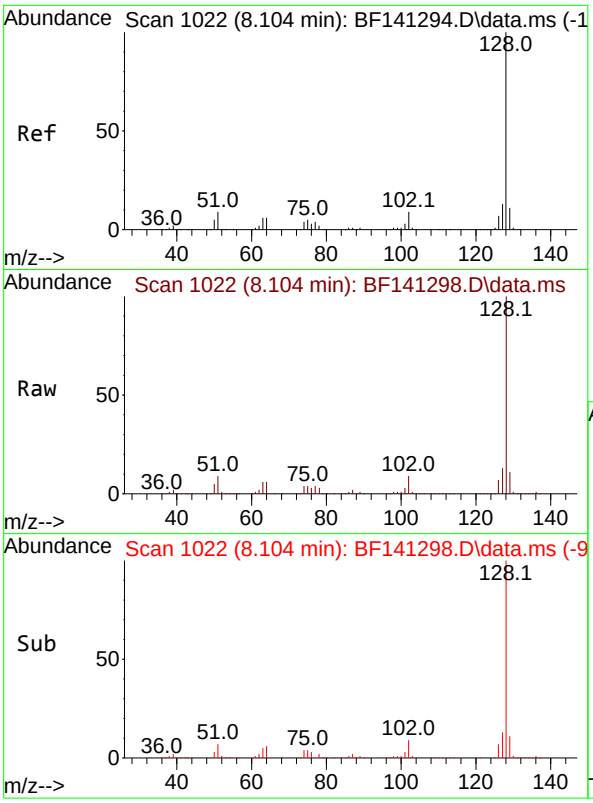


#30
1,2,4-Trichlorobenzene
Concen: 36.488 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:180 Resp: 316431

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	31.4	24.9	37.3

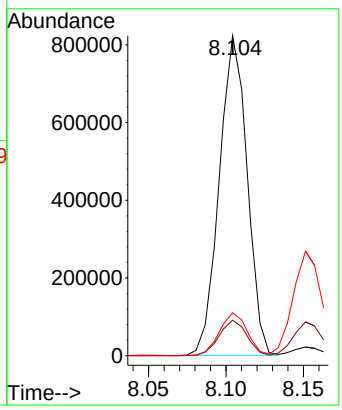




#31
Naphthalene
Concen: 37.128 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:128 Resp: 103099

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.4	10.6	15.8



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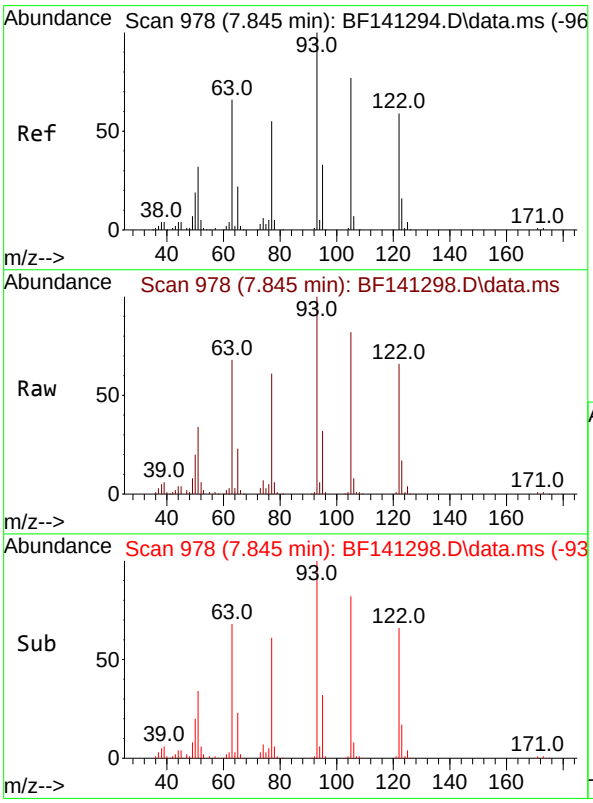
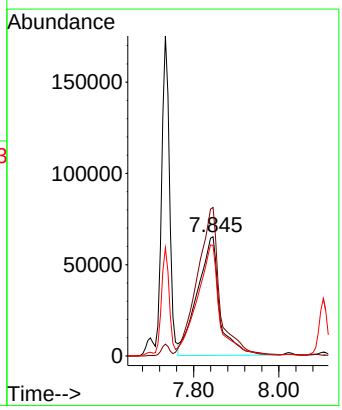
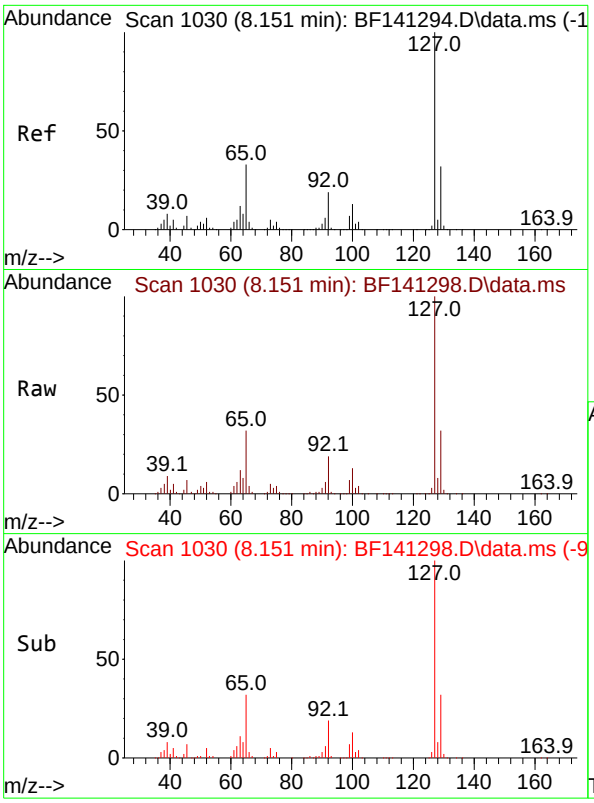


#32
Benzoic acid
Concen: 41.534 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:122 Resp: 236833

Ion	Ratio	Lower	Upper
122	100		
105	124.7	103.4	143.4
77	92.8	70.9	110.9

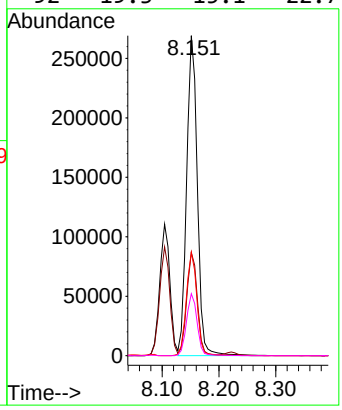




#33
4-Chloroaniline
Concen: 37.214 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:127 Resp: 35042

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	32.3	26.4	39.6
92	19.3	15.1	22.7



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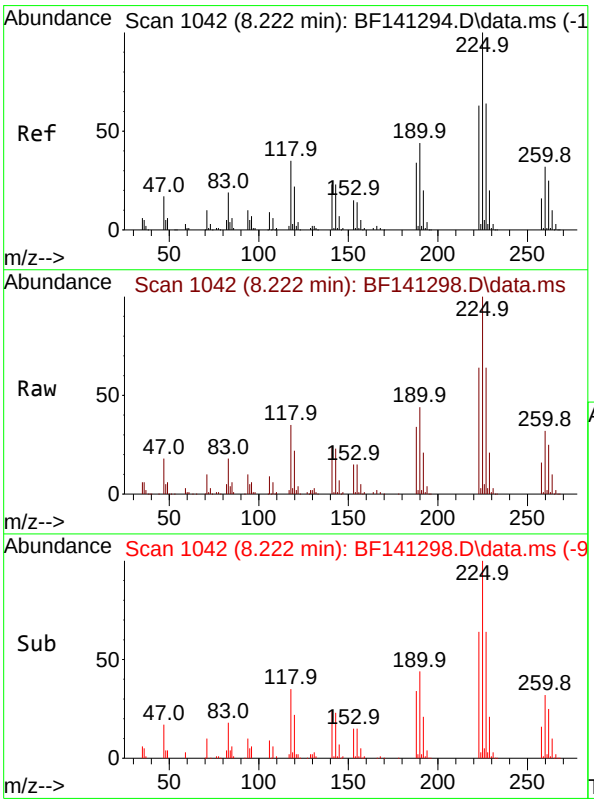
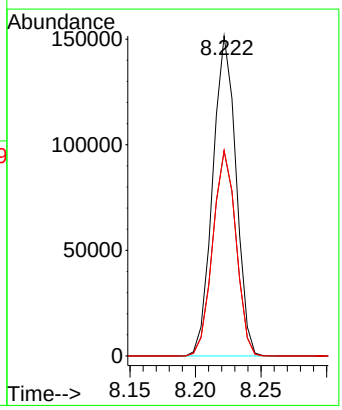
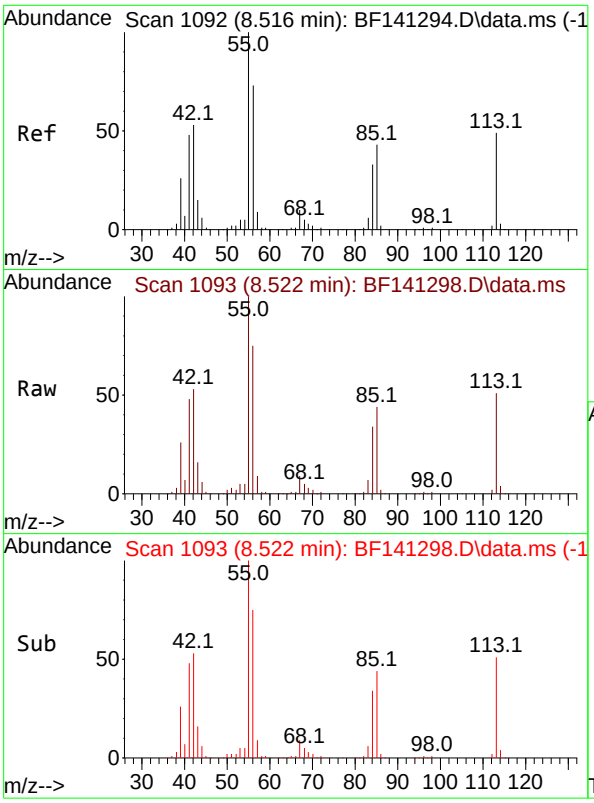


#34
Hexachlorobutadiene
Concen: 36.676 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:225 Resp: 186523

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.4	75.6
227	64.2	51.3	76.9

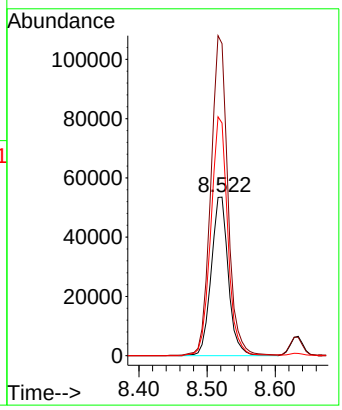




#35
Caprolactam
Concen: 37.662 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:113 Resp: 9340

Ion	Ratio	Lower	Upper
113	100		
55	196.8	182.9	222.9
56	146.7	127.9	167.9



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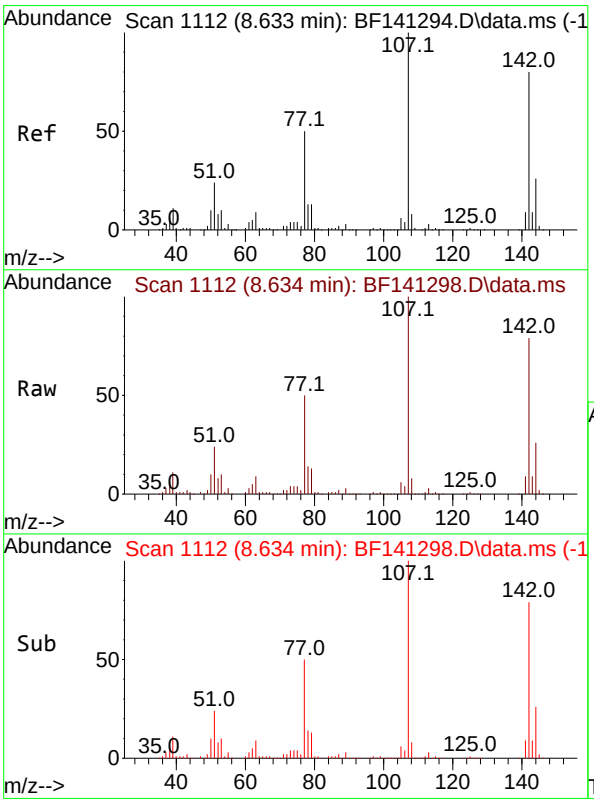
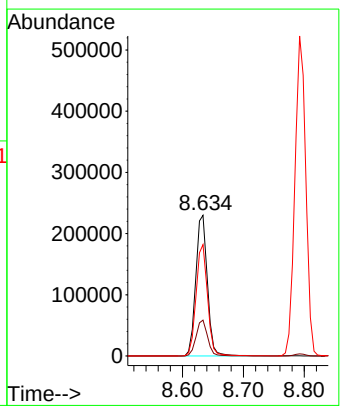
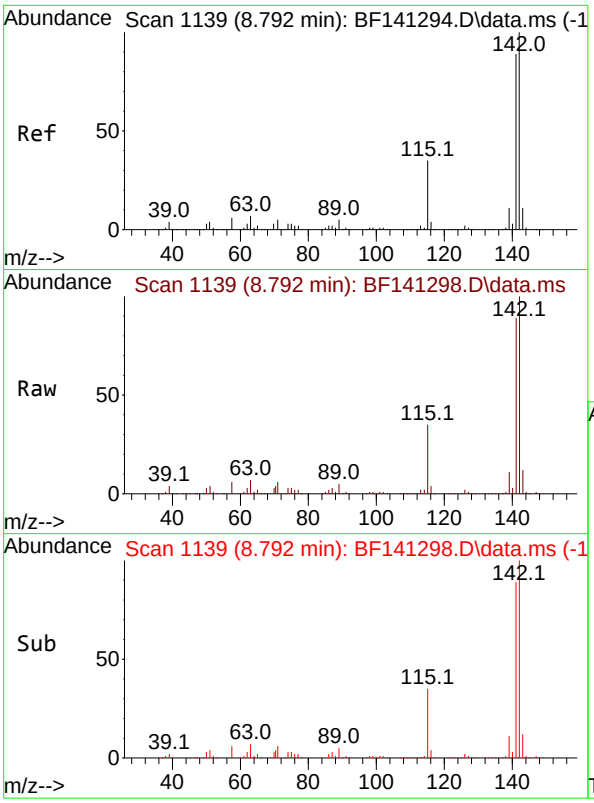


#36
4-Chloro-3-methylphenol
Concen: 37.480 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:107 Resp: 305288

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.7	31.1
142	79.1	63.8	95.8

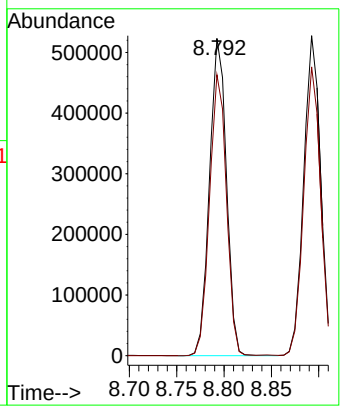




#37
2-Methylnaphthalene
Concen: 36.898 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 65122

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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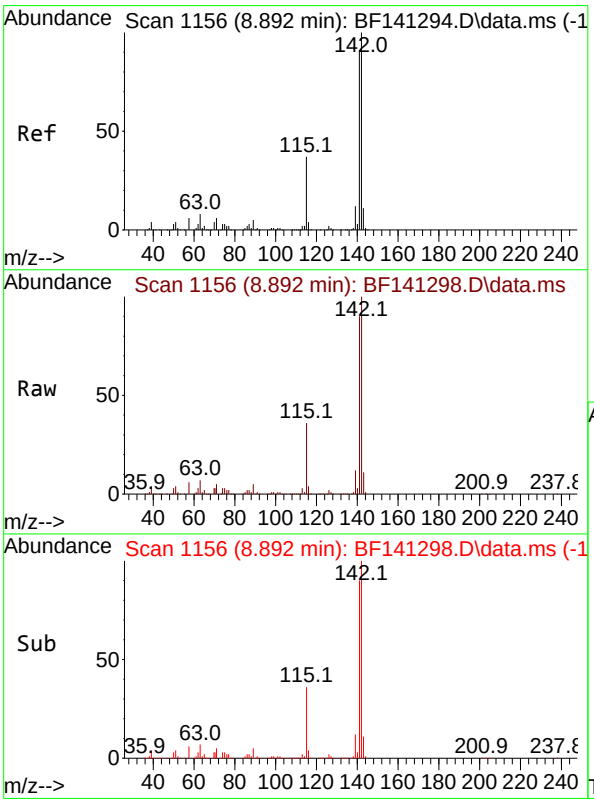
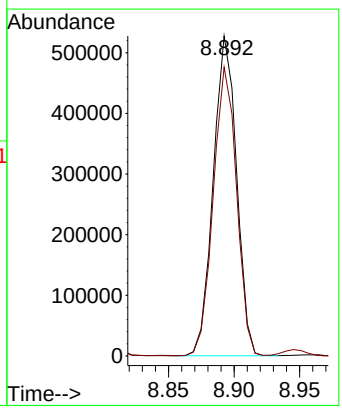
Supervised By :mohammad ahmed 02/04/2025

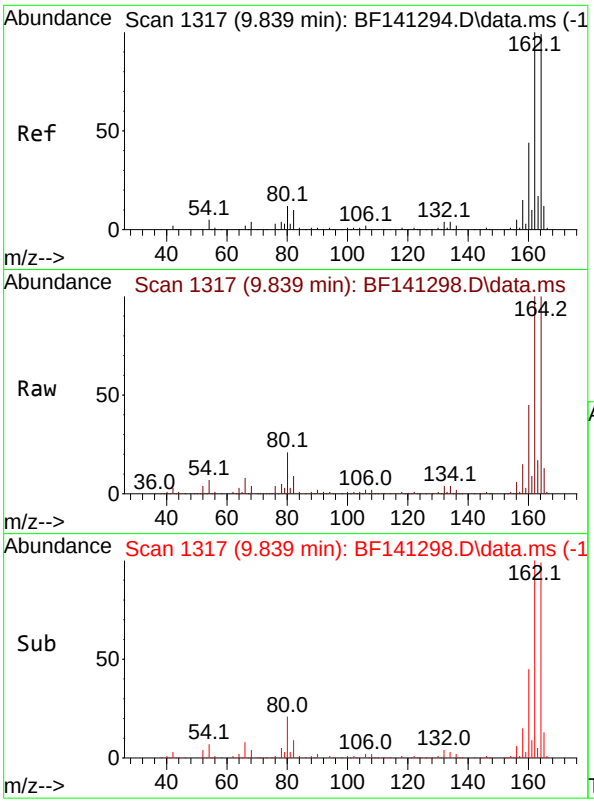


#38
1-Methylnaphthalene
Concen: 37.570 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:142 Resp: 651341

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.2	109.8

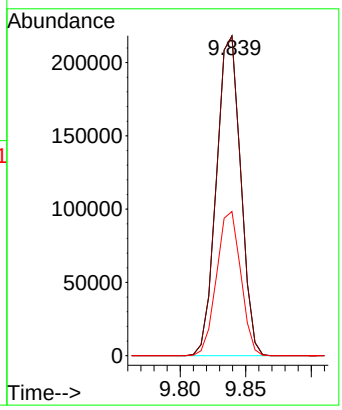




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:164 Resp: 27976

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	45.1	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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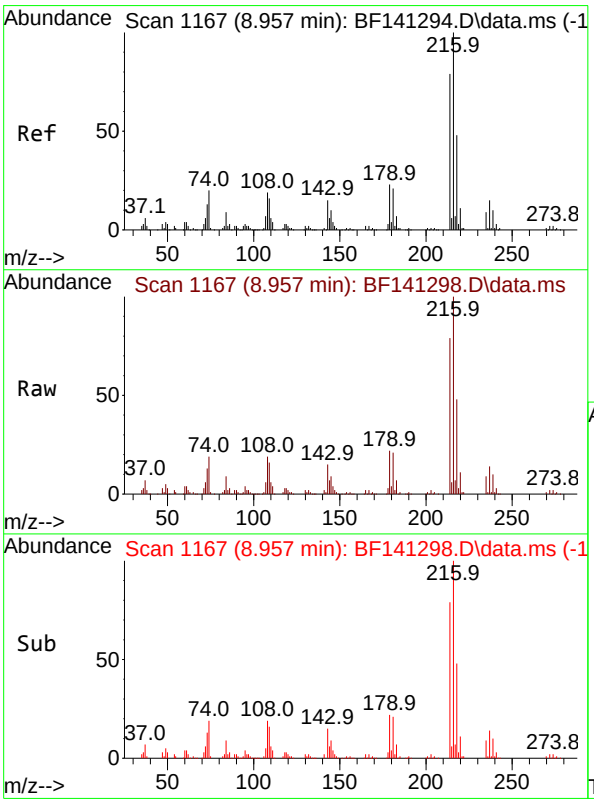
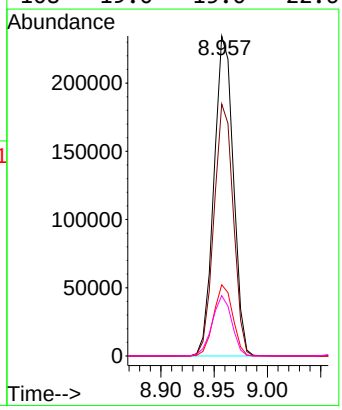
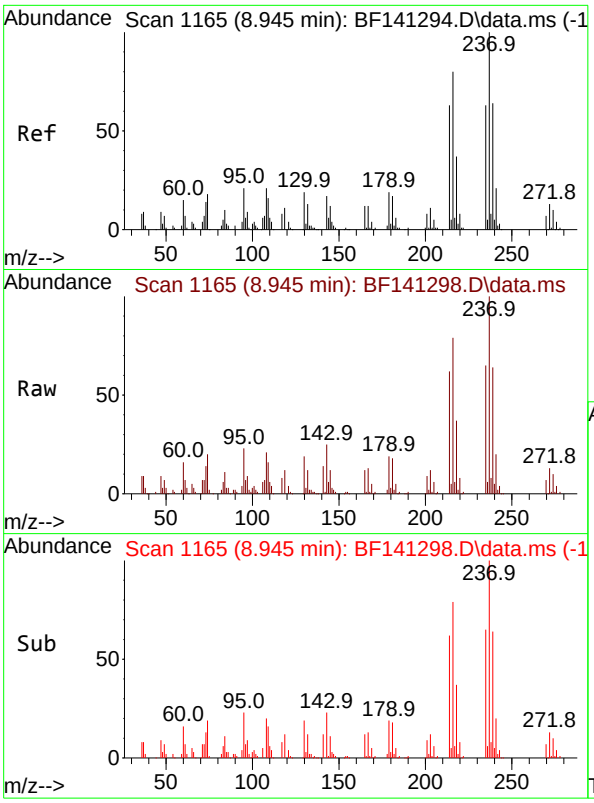


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.226 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:216 Resp: 296277

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	22.0	17.8	26.8
108	19.0	15.0	22.6

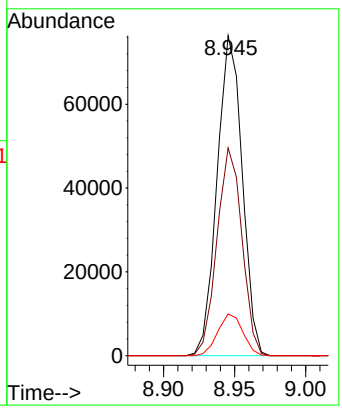




#41
Hexachlorocyclopentadiene
Concen: 39.961 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:237 Resp: 9393

Ion	Ratio	Lower	Upper
237	100		
235	64.9	42.9	82.9
272	13.1	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
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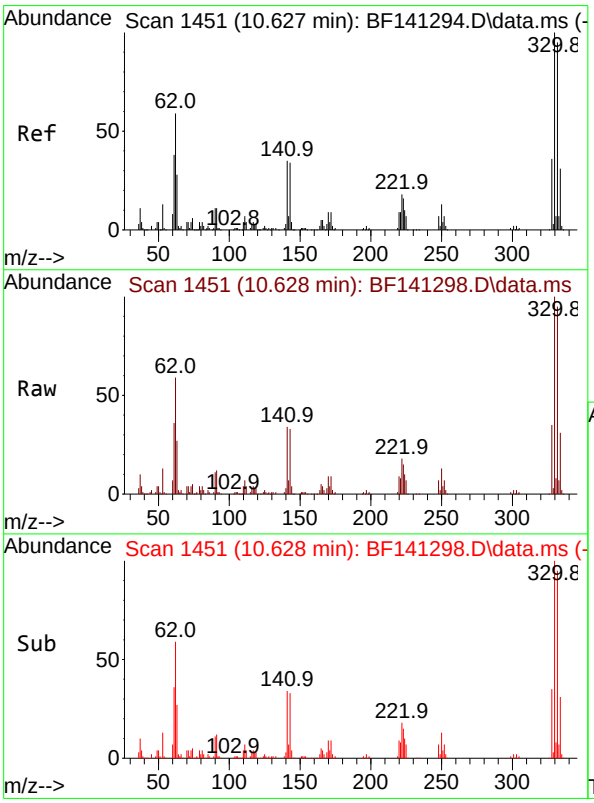
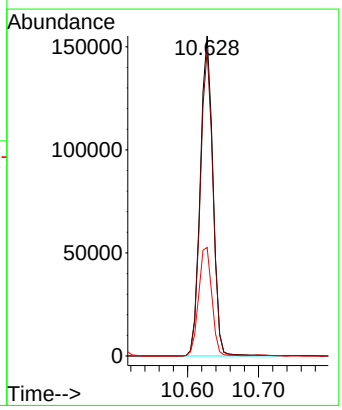
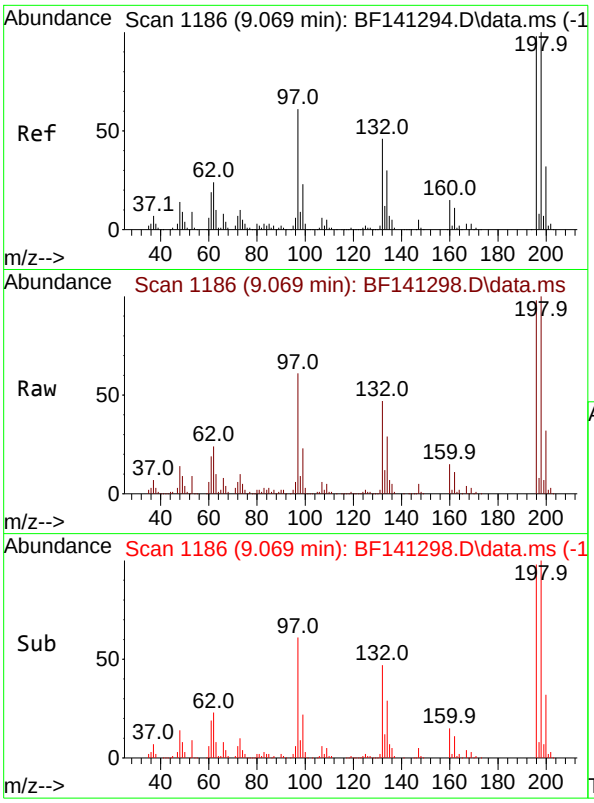


#42
2,4,6-Tribromophenol
Concen: 75.161 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:330 Resp: 192773

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.1	114.1
141	35.5	28.8	43.2

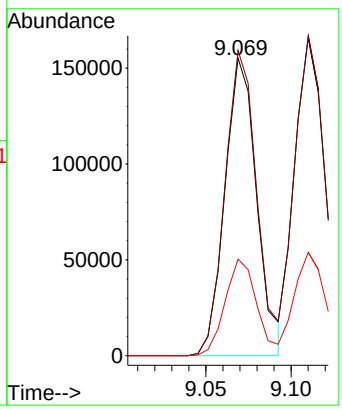




#43
2,4,6-Trichlorophenol
Concen: 38.625 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 20121

Ion	Ratio	Lower	Upper
196	100		
198	102.5	81.8	122.6
200	32.4	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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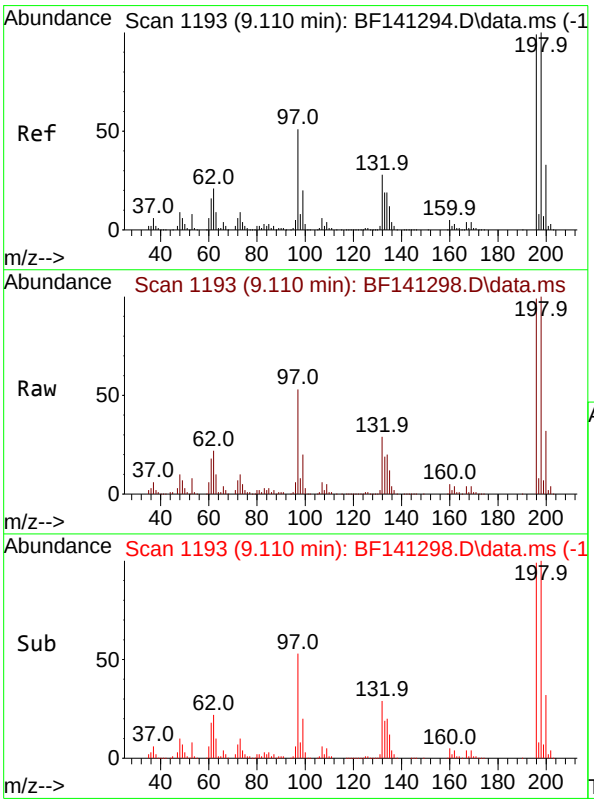
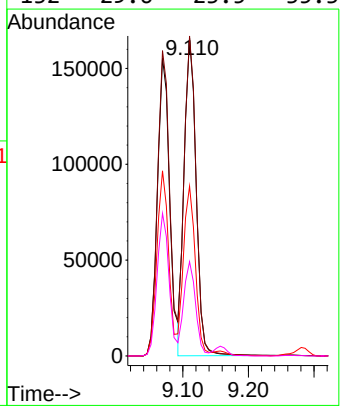
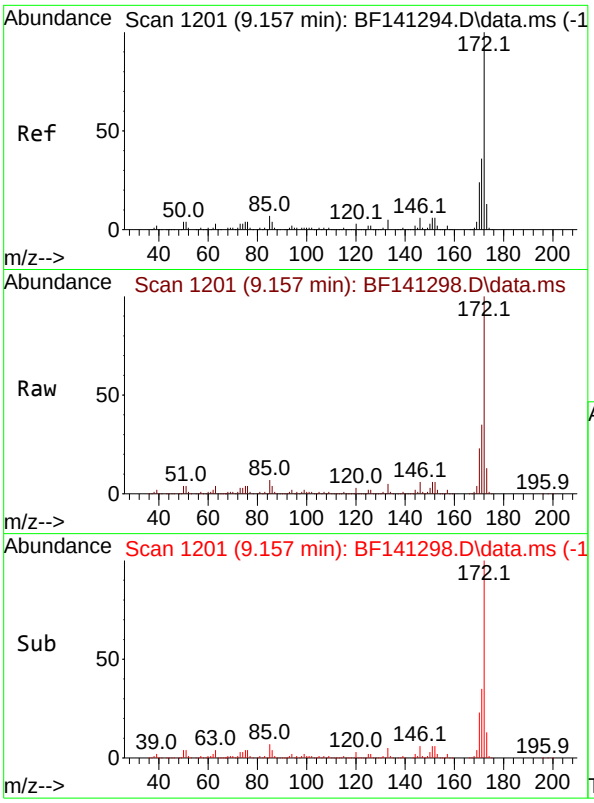


#44
2,4,5-Trichlorophenol
Concen: 36.969 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:196 Resp: 209611

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.5	120.7
97	53.3	42.8	64.2
132	29.6	23.5	35.3

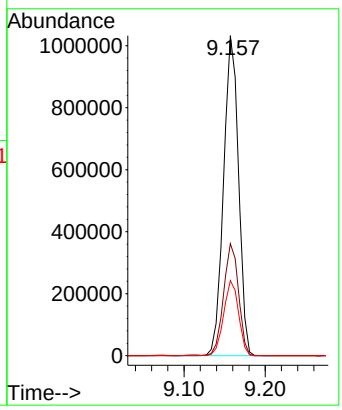




#45
2-Fluorobiphenyl
Concen: 72.938 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:172 Resp: 132572

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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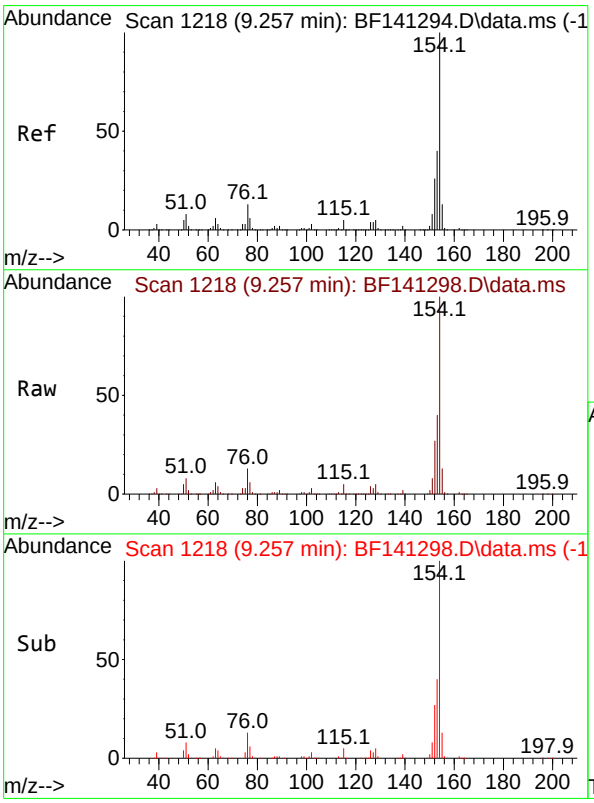
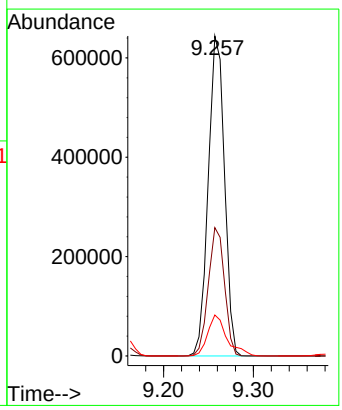
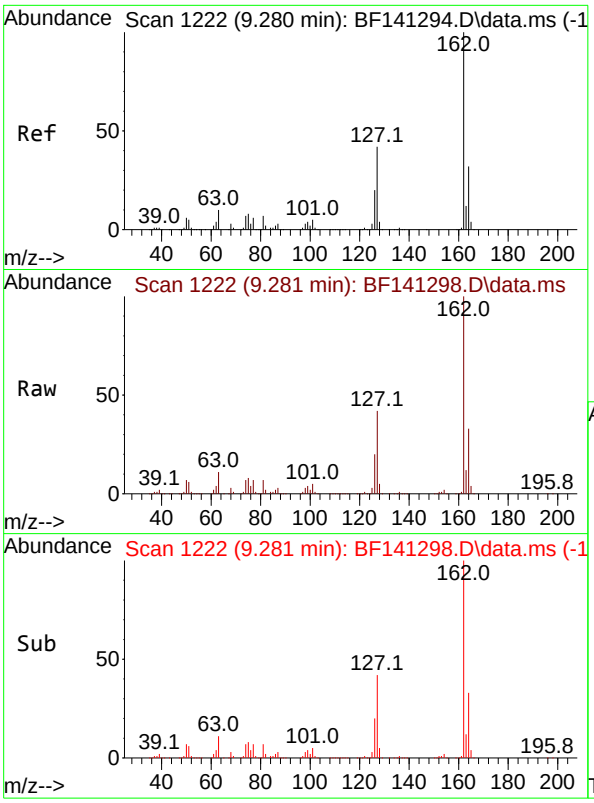


#46
1,1'-Biphenyl
Concen: 37.111 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 809694

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.8	0.0	32.8

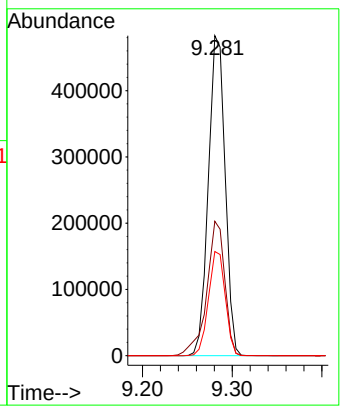




#47
2-Chloronaphthalene
Concen: 36.837 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:162 Resp: 62645

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	32.5	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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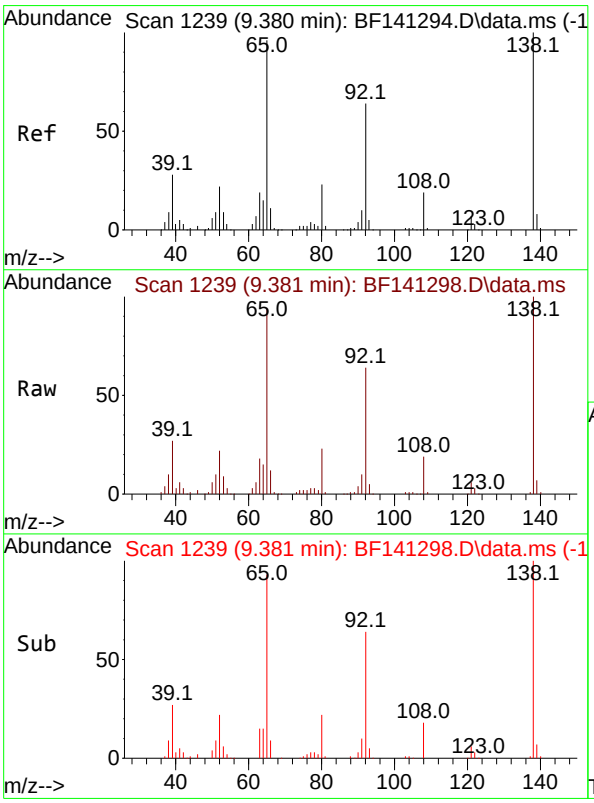
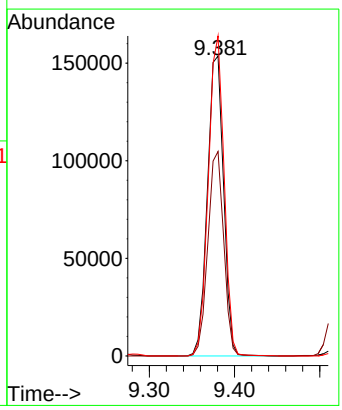
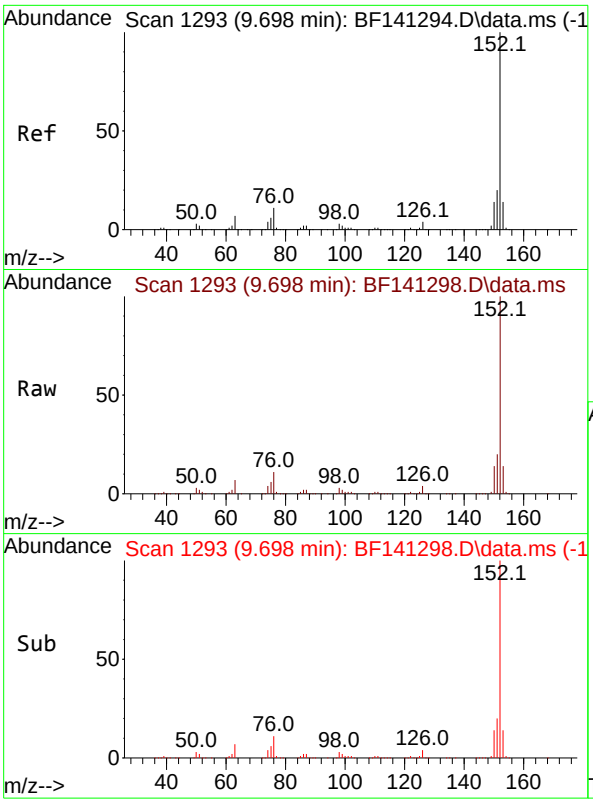


#48
2-Nitroaniline
Concen: 37.970 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 65 Resp: 203104

Ion	Ratio	Lower	Upper
65	100		
92	68.1	53.3	79.9
138	106.7	83.6	125.4

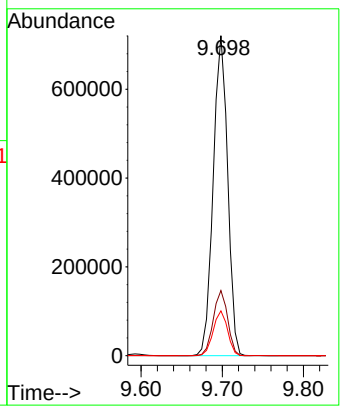




#49
Acenaphthylene
Concen: 37.416 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:152 Resp: 89070

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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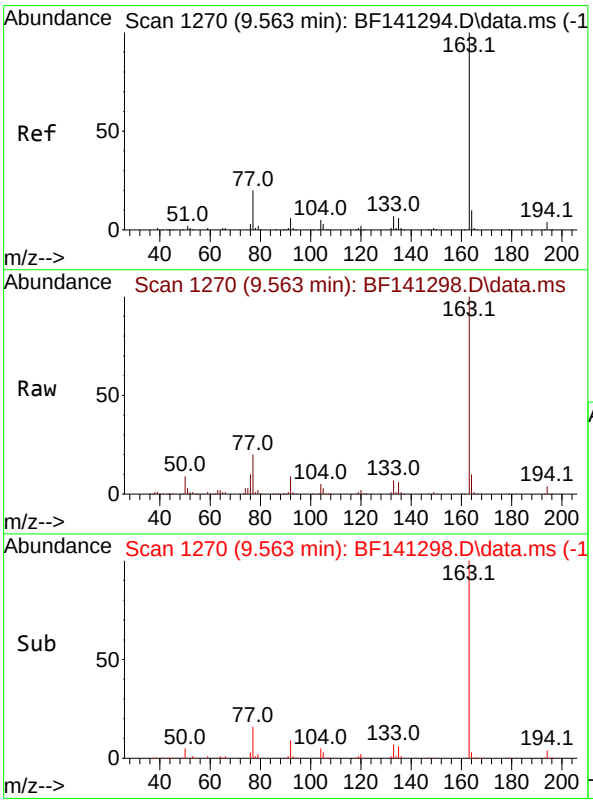
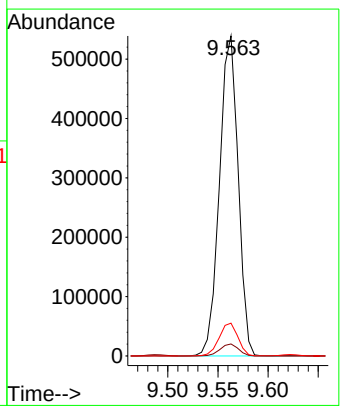
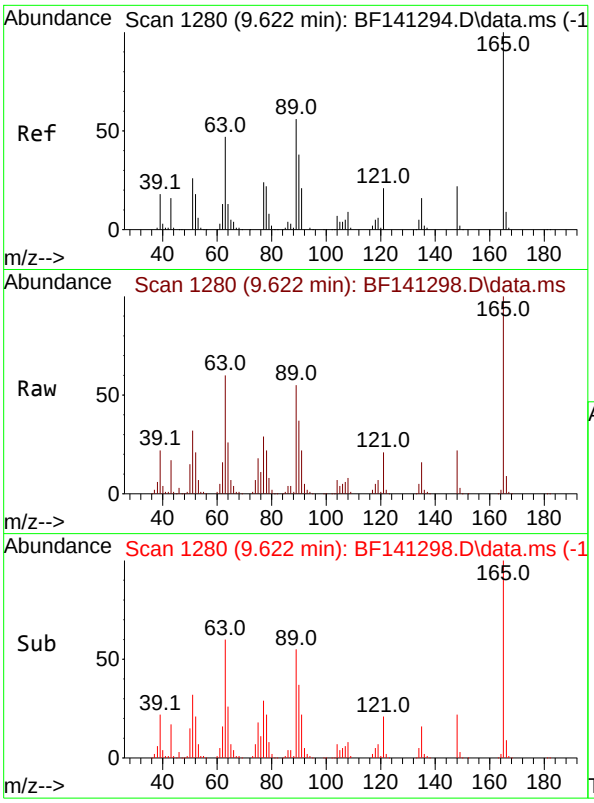


#50
Dimethylphthalate
Concen: 36.904 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:163 Resp: 697300

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.0	12.0

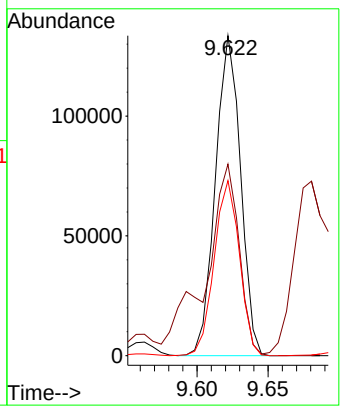




#51
2,6-Dinitrotoluene
Concen: 37.459 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 16434

Ion	Ratio	Lower	Upper
165	100		
63	59.9	48.1	72.1
89	54.7	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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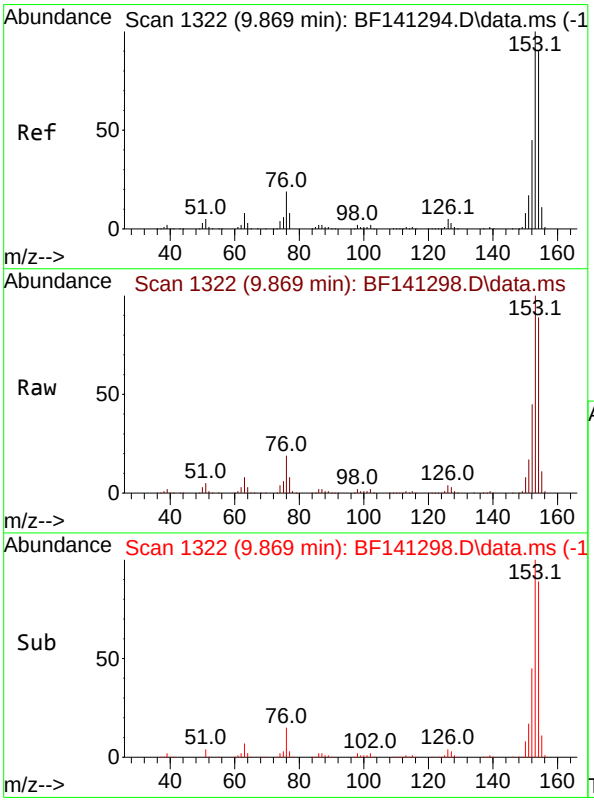
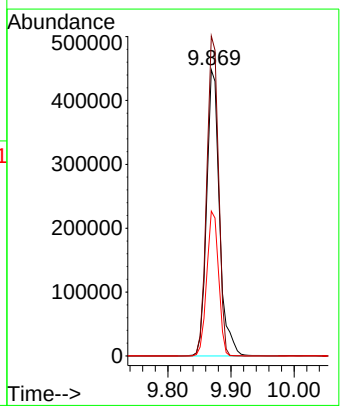
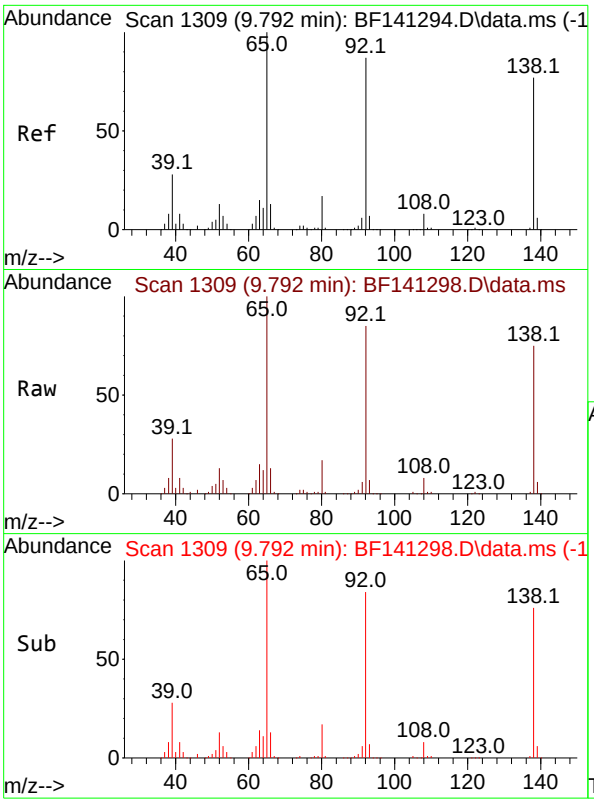


#52
Acenaphthene
Concen: 37.206 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:154 Resp: 632756

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.6	40.2	60.4





#53
3-Nitroaniline
Concen: 38.150 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 16404

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.6	12.8
92	112.1	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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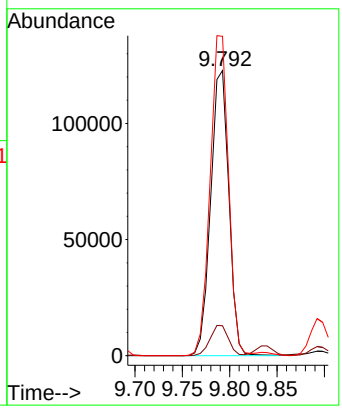
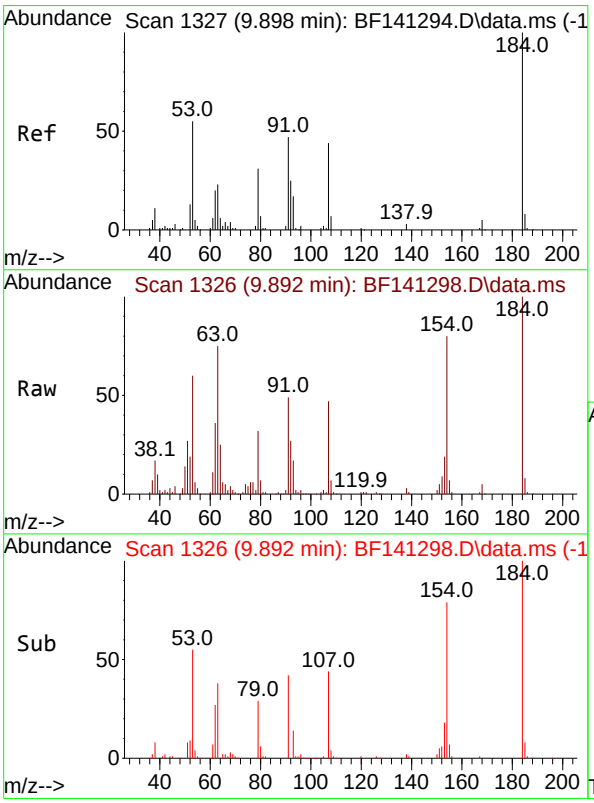
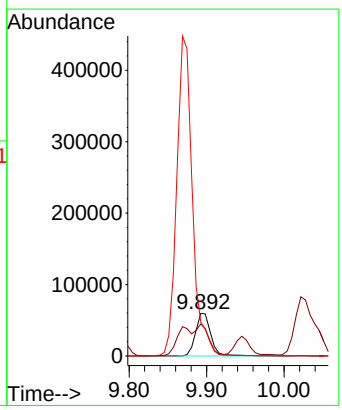


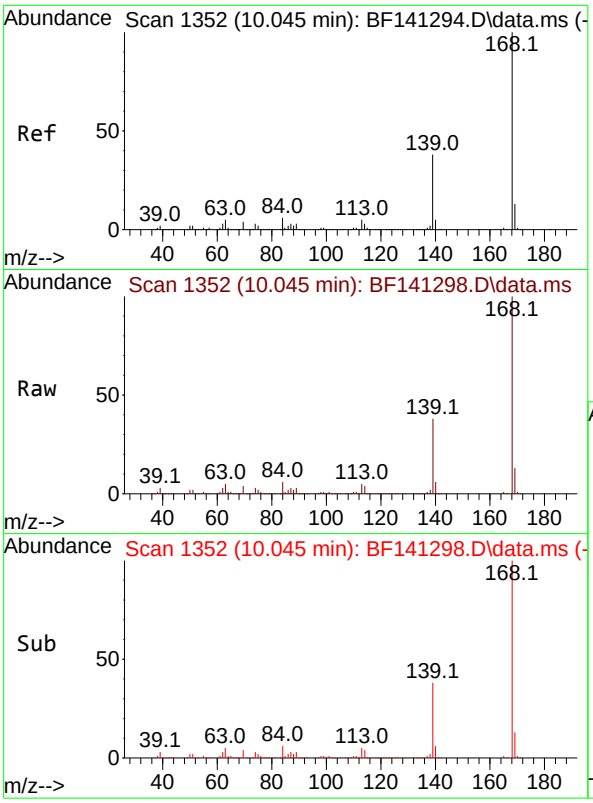


#54
2,4-Dinitrophenol
Concen: 39.734 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 81034

Ion	Ratio	Lower	Upper
184	100		
63	75.3	54.1	81.1
154	79.6	50.7	76.1#

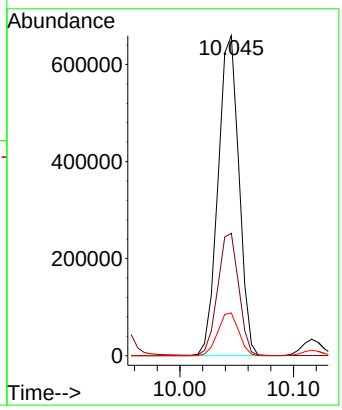




#55
Dibenzofuran
Concen: 37.012 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:168 Resp: 84255

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.6	46.0
169	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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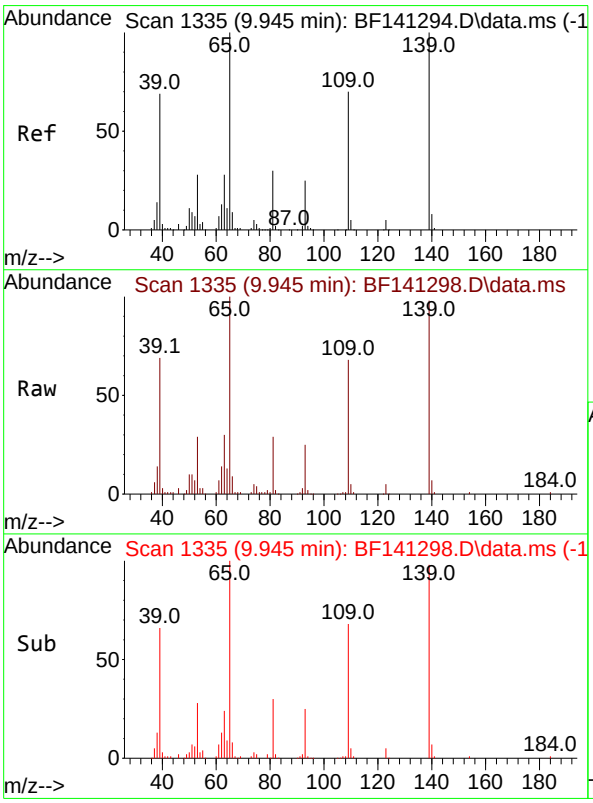
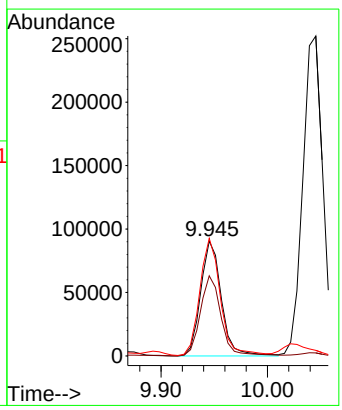
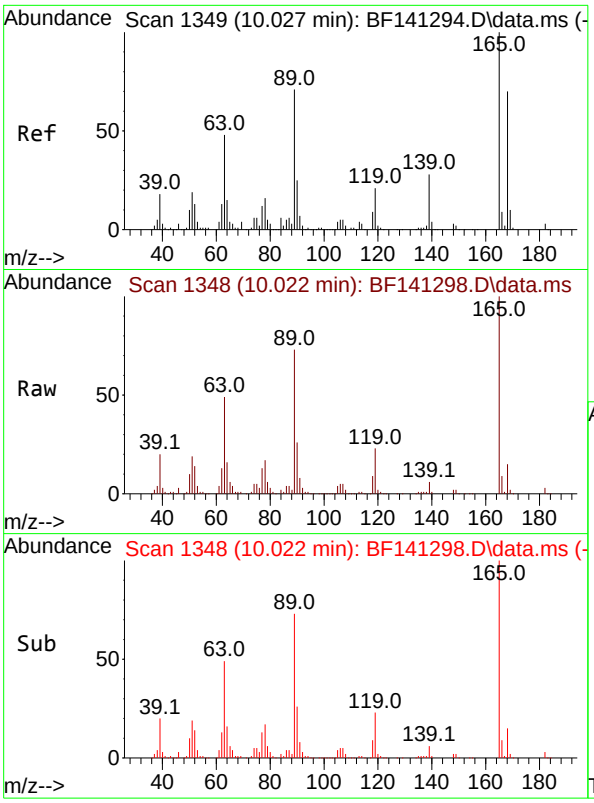


#56
4-Nitrophenol
Concen: 39.089 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:139 Resp: 122925

Ion	Ratio	Lower	Upper
139	100		
109	69.7	50.2	90.2
65	102.4	80.6	120.6

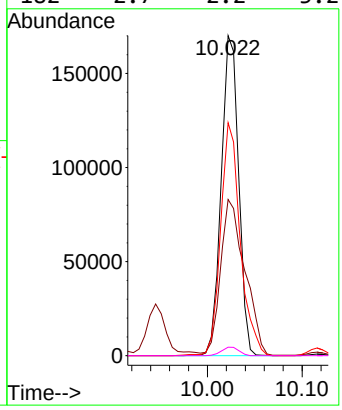




#57
2,4-Dinitrotoluene
Concen: 38.327 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:165 Resp: 21770

Ion	Ratio	Lower	Upper
165	100		
63	48.8	39.2	58.8
89	72.8	56.9	85.3
182	2.7	2.2	3.2



Instrument :
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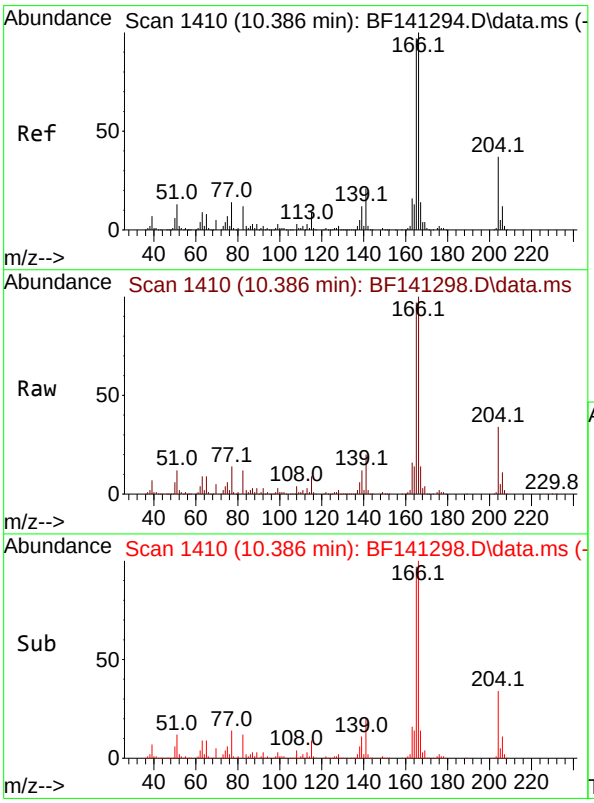
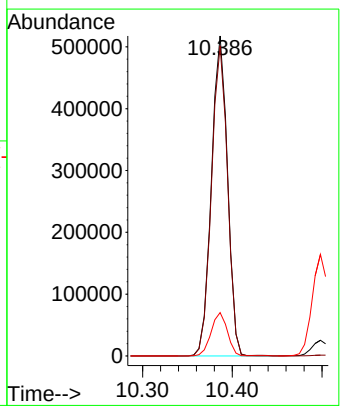
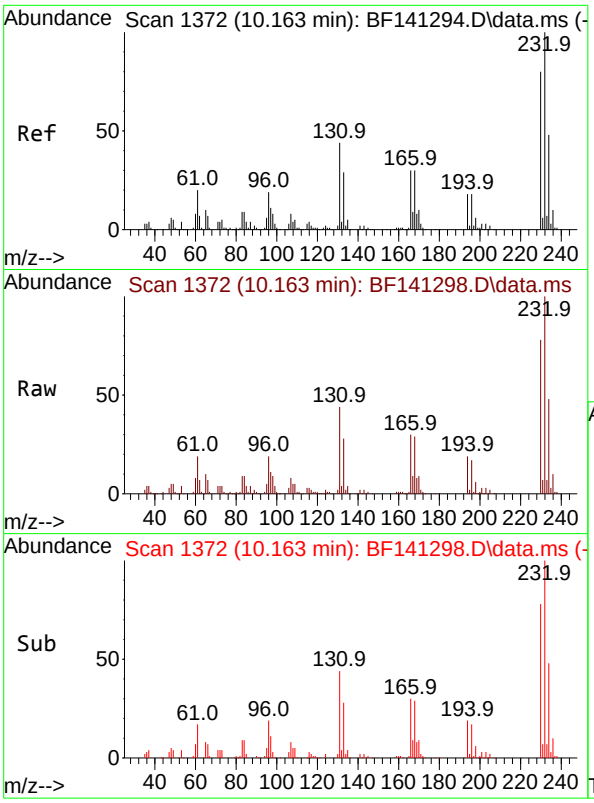


#58
Fluorene
Concen: 36.451 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:166 Resp: 643639

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.5	116.3
167	13.6	10.9	16.3

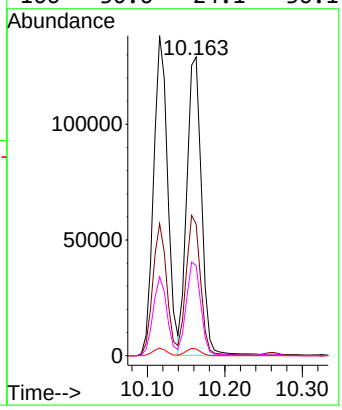




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.902 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:232 Resp: 16906

Ion	Ratio	Lower	Upper
232	100		
131	46.5	36.4	54.6
130	2.4	1.9	2.9
166	30.6	24.1	36.1



Instrument :
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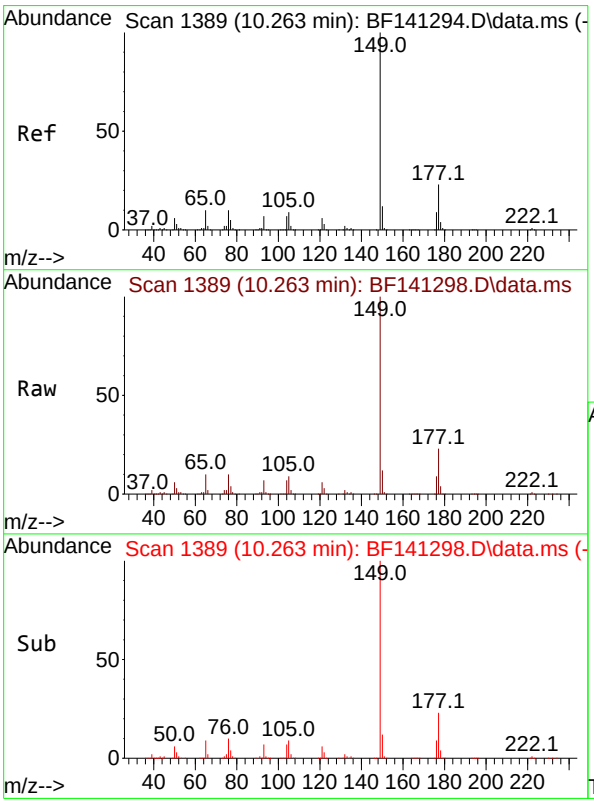
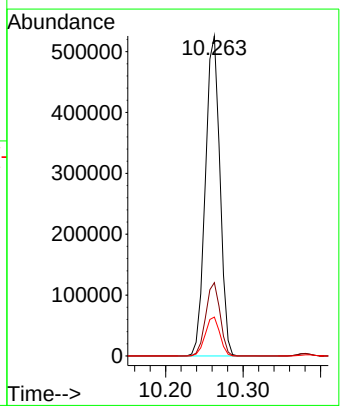
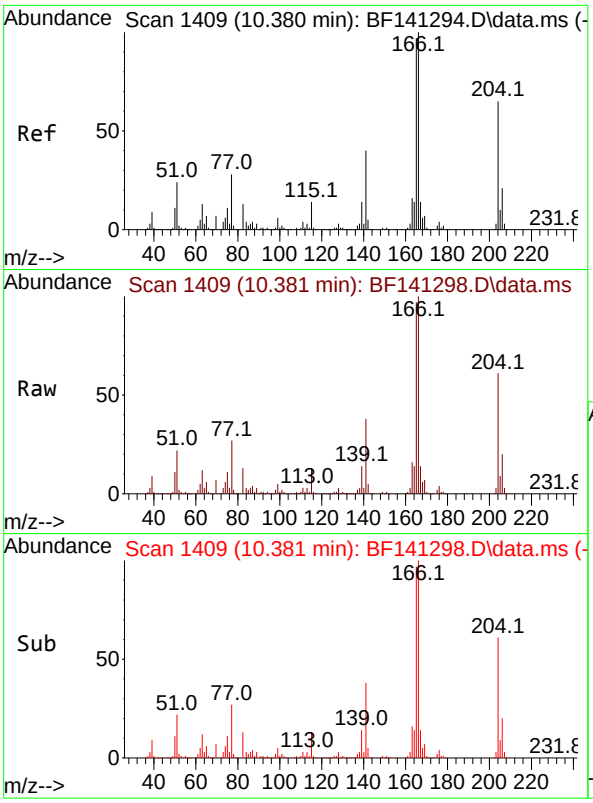


#60
Diethylphthalate
Concen: 37.316 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 683674

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.1	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 36.180 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:204 Resp: 31206

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	62.6	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
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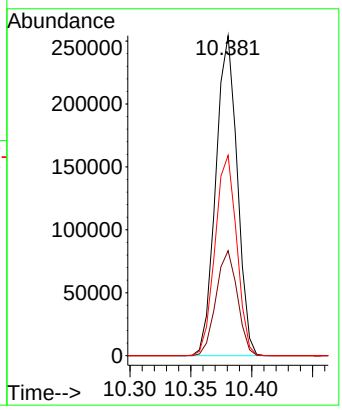
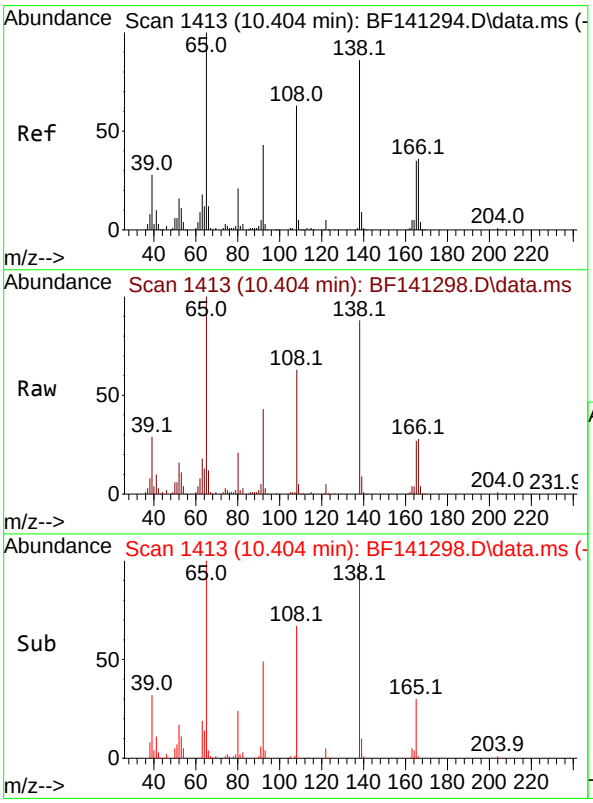
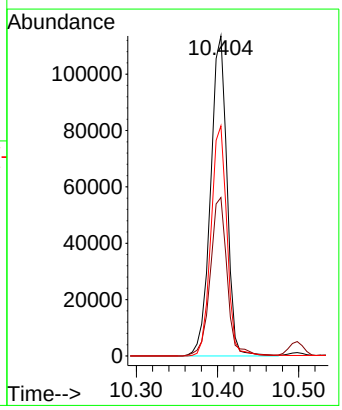


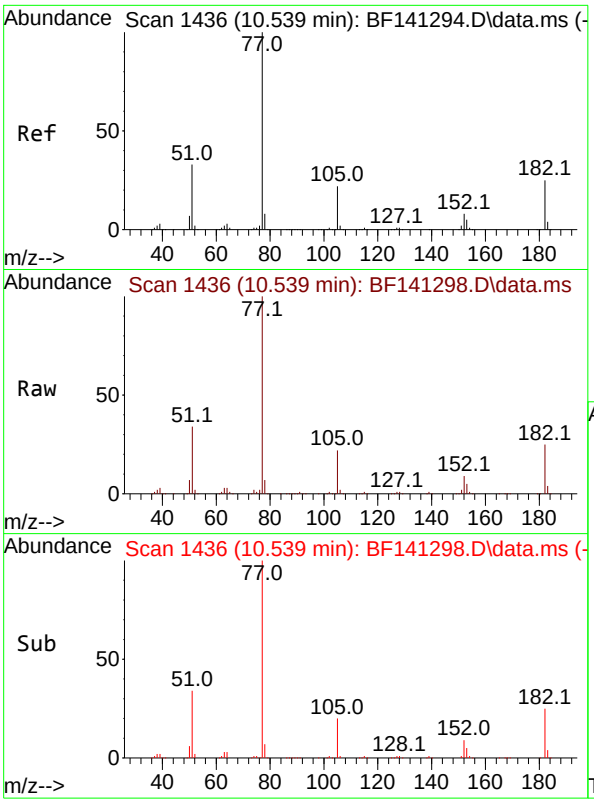


#62
4-Nitroaniline
Concen: 37.665 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:138 Resp: 159227

Ion	Ratio	Lower	Upper
138	100		
92	49.5	30.1	70.1
108	71.9	53.1	93.1

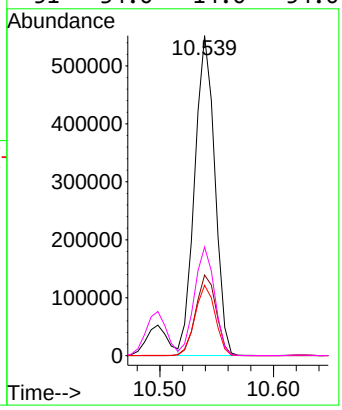




#63
Azobenzene
Concen: 37.020 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion: 77 Resp: 67890

Ion	Ratio	Lower	Upper
77	100		
182	25.2	5.1	45.1
105	22.0	1.8	41.8
51	34.0	14.0	54.0



Instrument :
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ClientSampleId :
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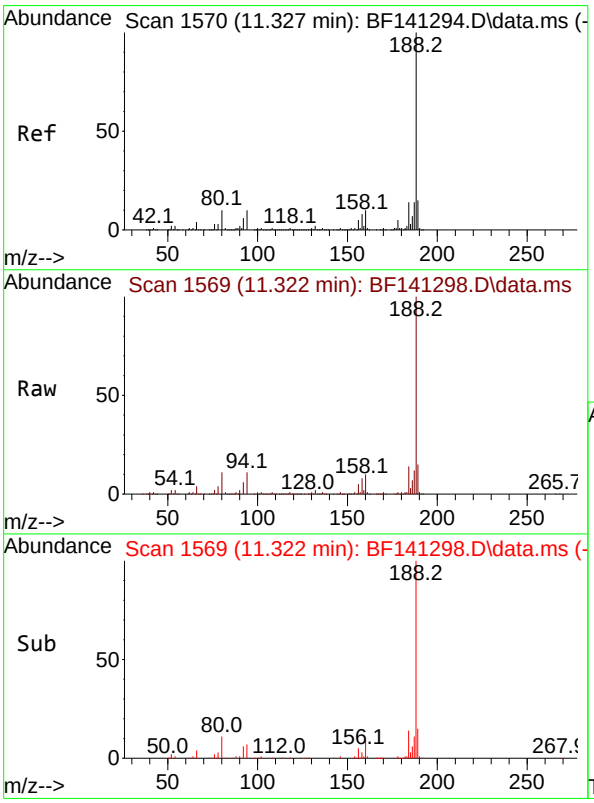
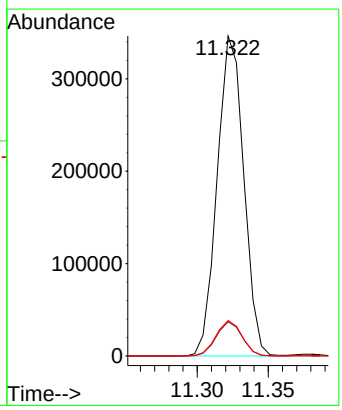
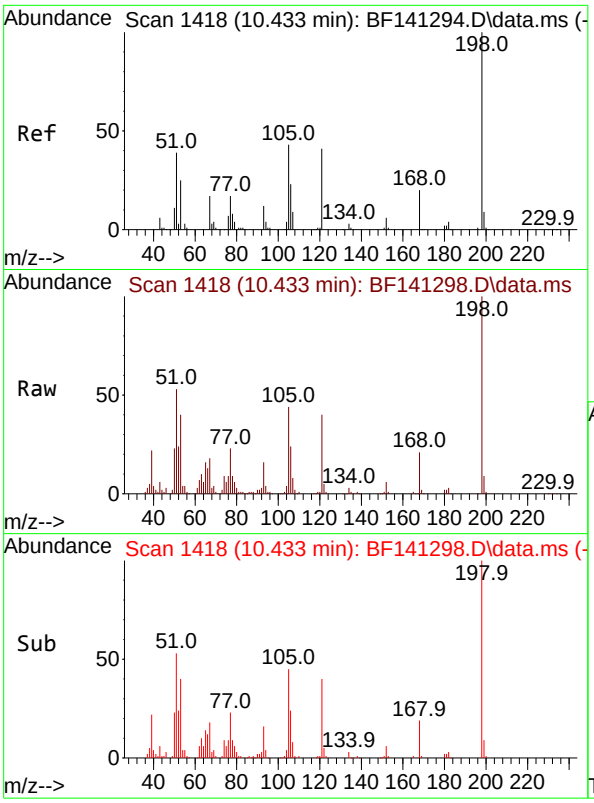


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:188 Resp: 450291

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.1	8.2	12.4

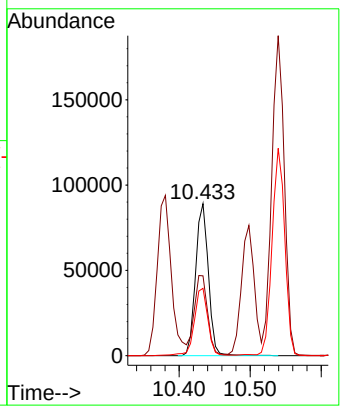




#65
4,6-Dinitro-2-methylphenol
Concen: 41.913 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:198 Resp: 11163

Ion	Ratio	Lower	Upper
198	100		
51	52.5	33.4	73.4
105	44.4	24.4	64.4



Instrument :
BNA_F
ClientSampleId :
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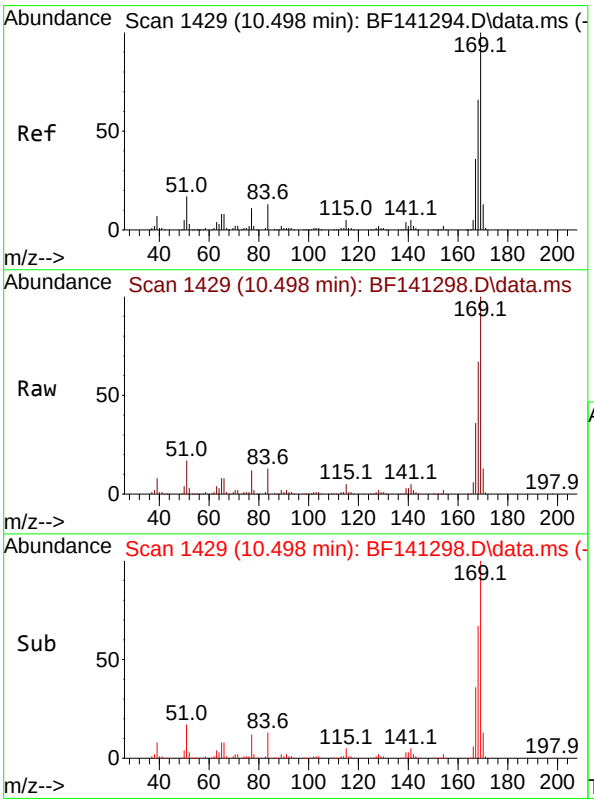
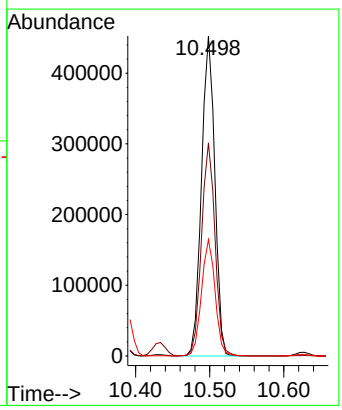
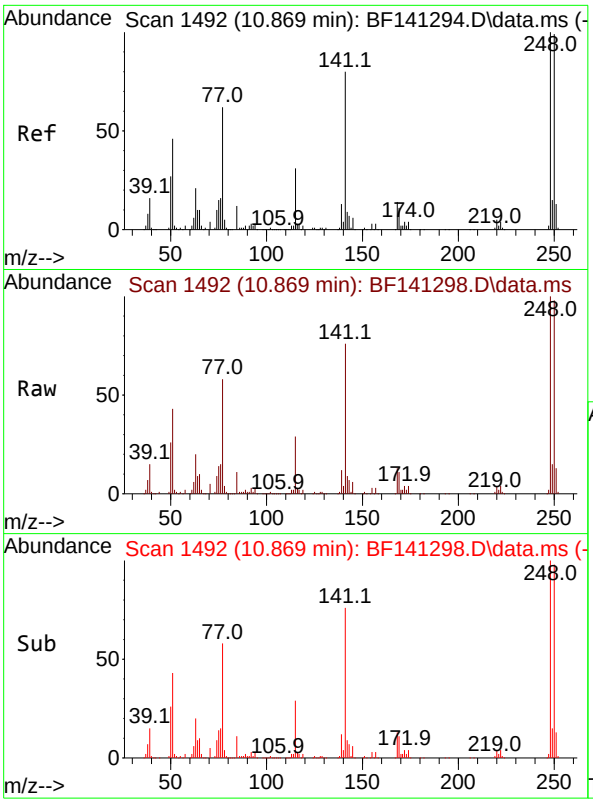


#66
n-Nitrosodiphenylamine
Concen: 38.757 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:169 Resp: 564452

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.8	43.2

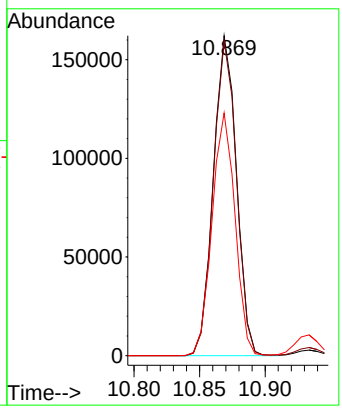




#67
4-Bromophenyl-phenylether
Concen: 39.477 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:248 Resp: 199009

Ion	Ratio	Lower	Upper
248	100		
250	98.4	79.0	118.4
141	75.9	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
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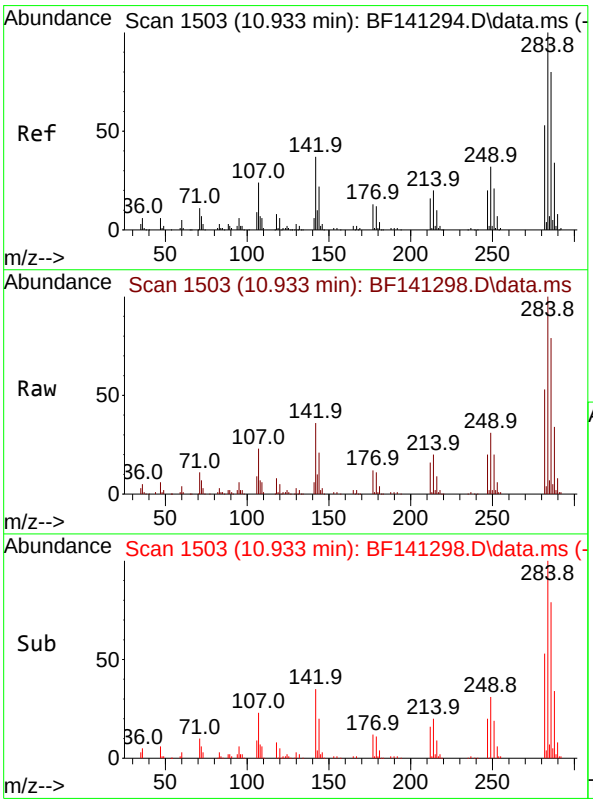
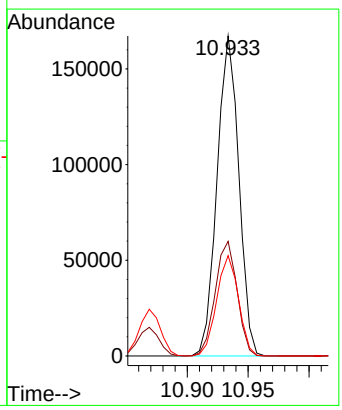
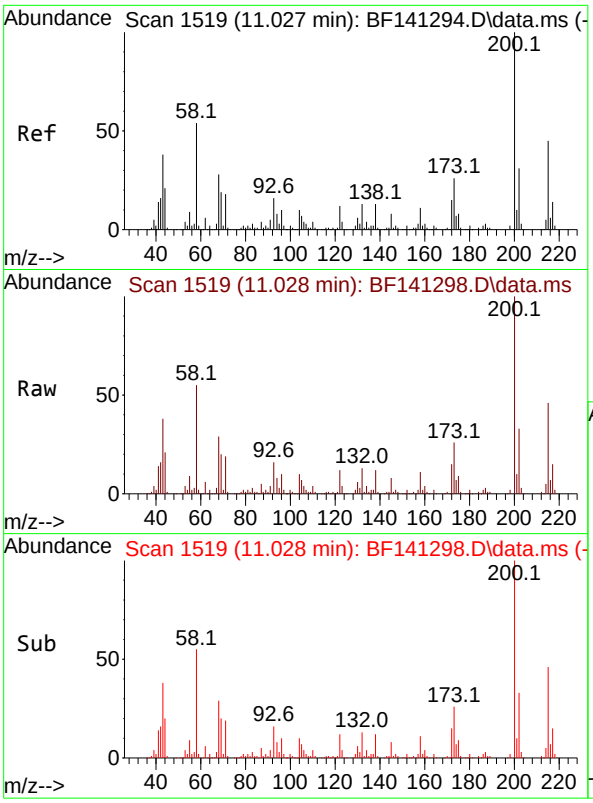


#68
Hexachlorobenzene
Concen: 38.929 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:284 Resp: 208171

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.5	44.3
249	31.3	25.4	38.2

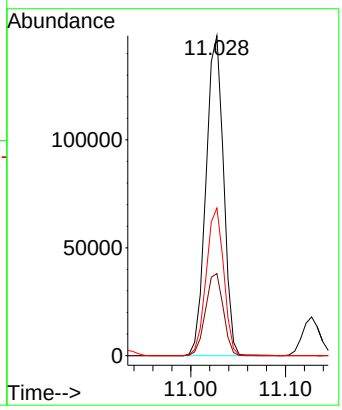




#69
Atrazine
Concen: 39.215 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:200 Resp: 19095

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.9	45.9
215	46.1	25.2	65.2



Instrument :
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ClientSampleId :
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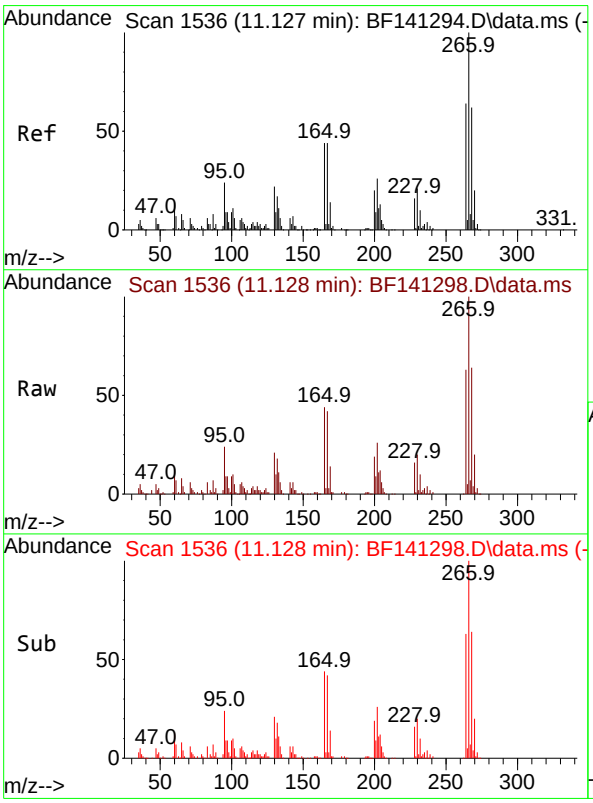
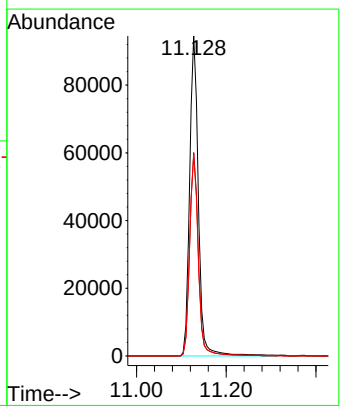
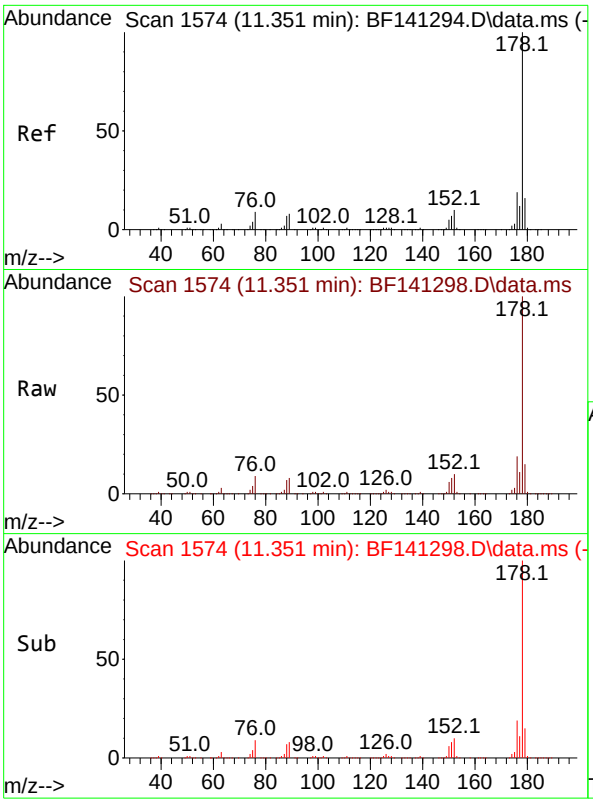


#70
Pentachlorophenol
Concen: 40.973 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:266 Resp: 128300

Ion	Ratio	Lower	Upper
266	100		
268	63.6	49.9	74.9
264	63.0	51.0	76.4

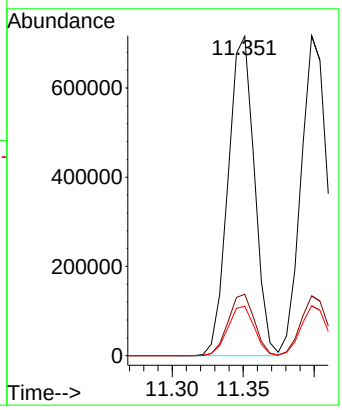




#71
Phenanthrene
Concen: 38.117 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 92262

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.5	18.7



Instrument :
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ClientSampleId :
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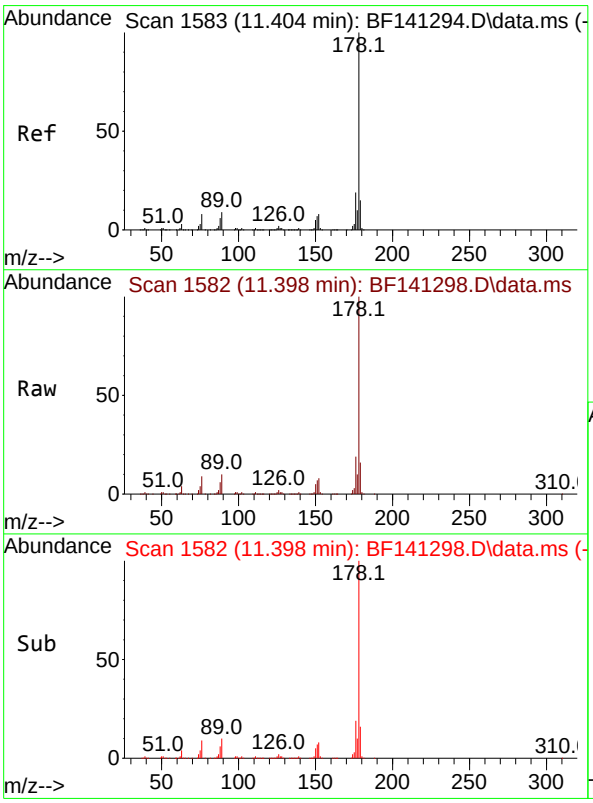
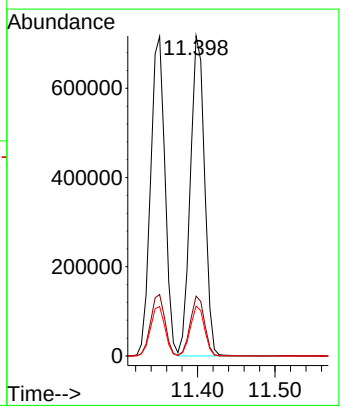
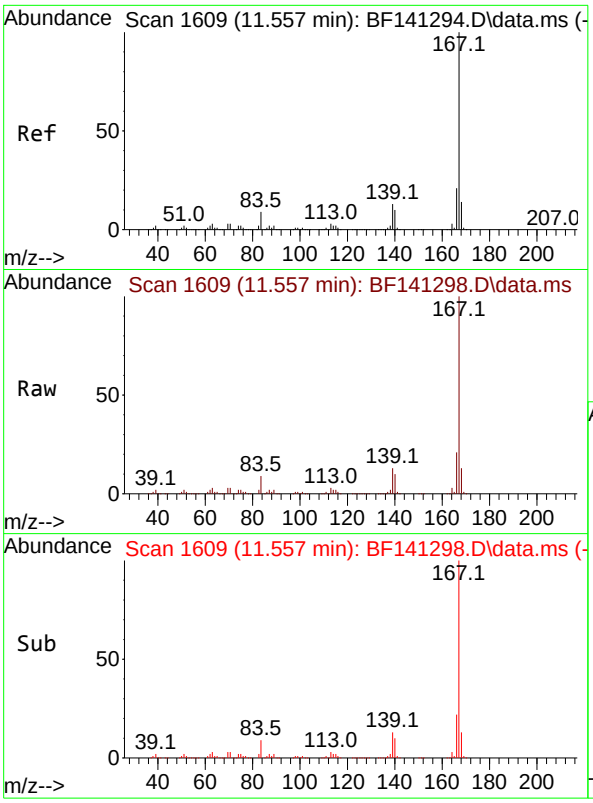


#72
Anthracene
Concen: 38.484 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:178 Resp: 912703

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.3	18.5

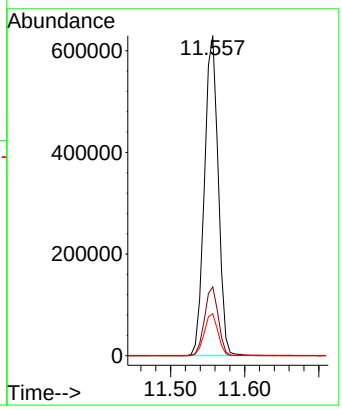




#73
Carbazole
Concen: 38.661 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:167 Resp: 81303

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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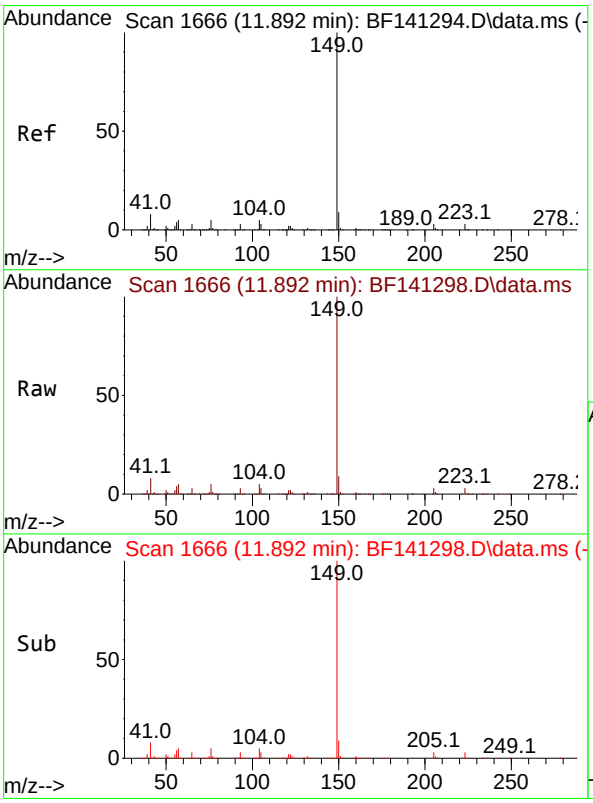
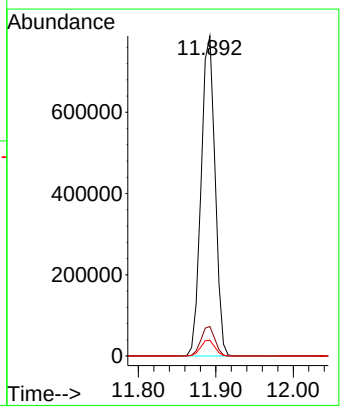
Supervised By :mohammad ahmed 02/04/2025

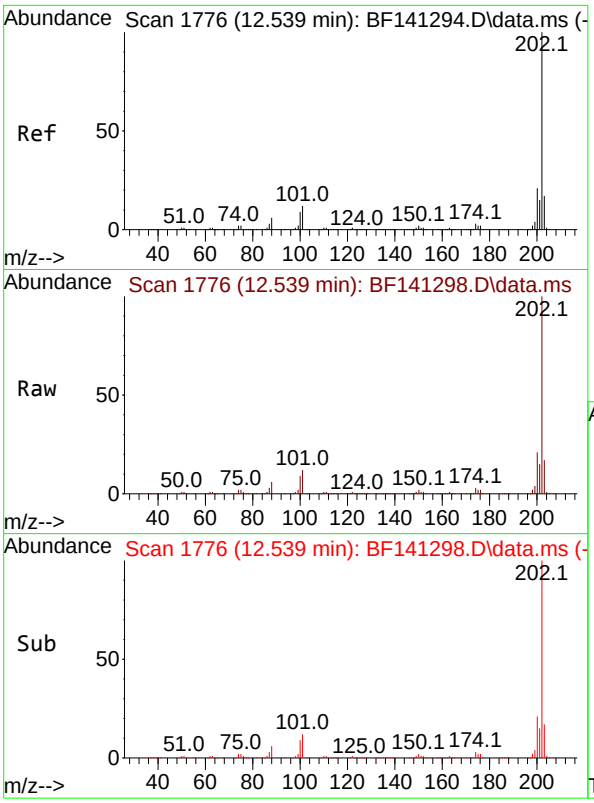


#74
Di-n-butylphthalate
Concen: 38.639 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 984759

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.9	5.9

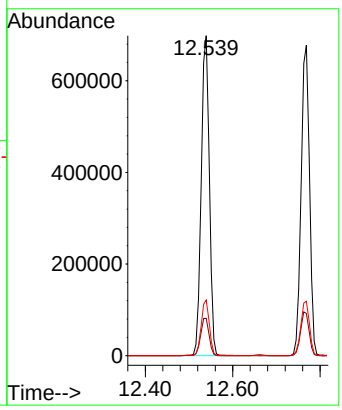




#75
Fluoranthene
Concen: 37.768 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 90263

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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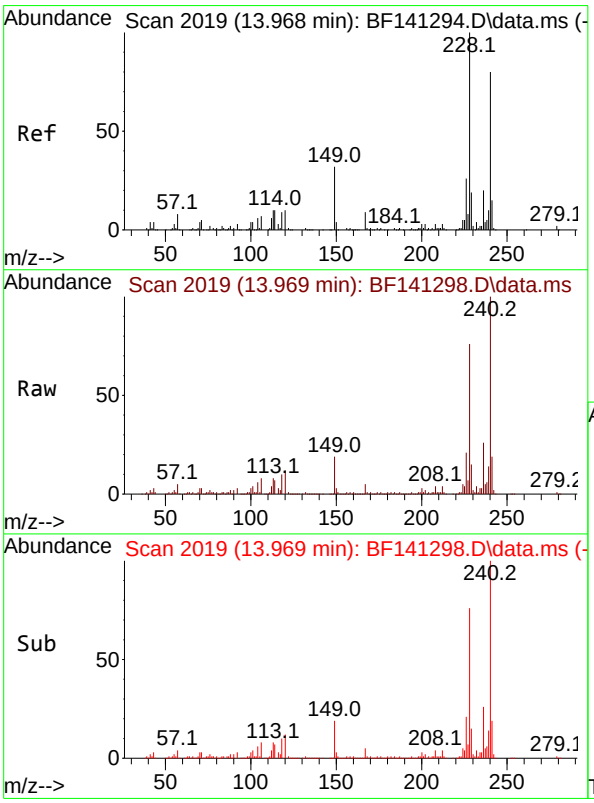
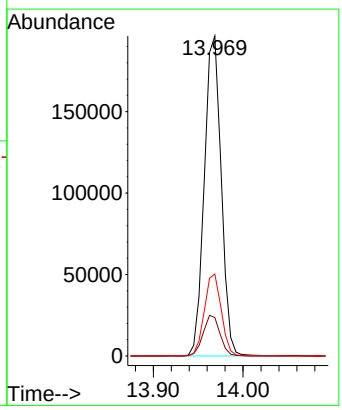
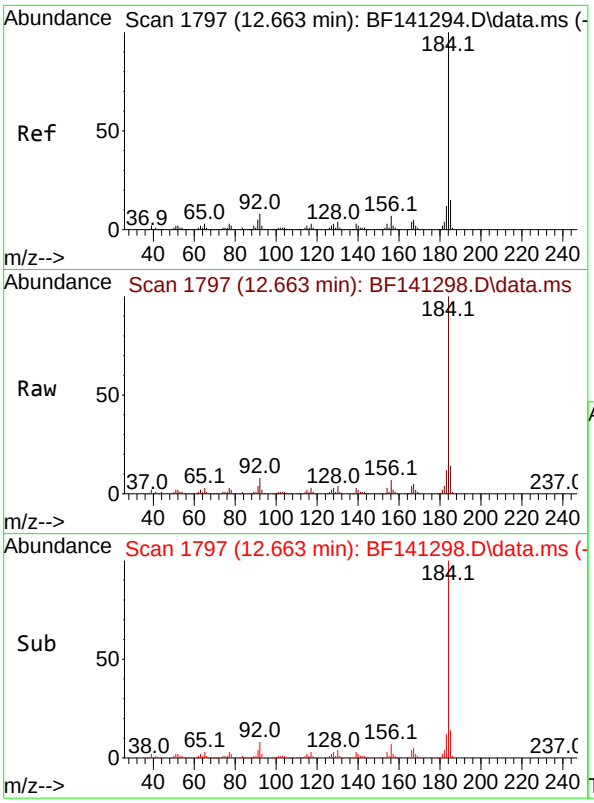


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:240 Resp: 257177

Ion	Ratio	Lower	Upper
240	100		
120	12.0	10.0	15.0
236	25.6	19.7	29.5

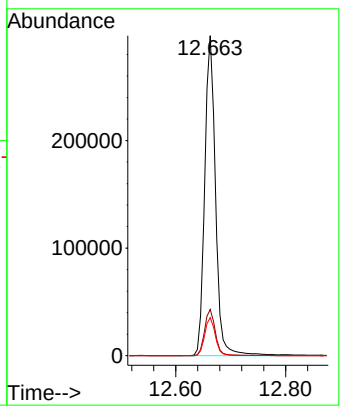




#77
Benzidine
Concen: 49.142 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:184 Resp: 40516

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.9	9.5	14.3



Instrument :
BNA_F
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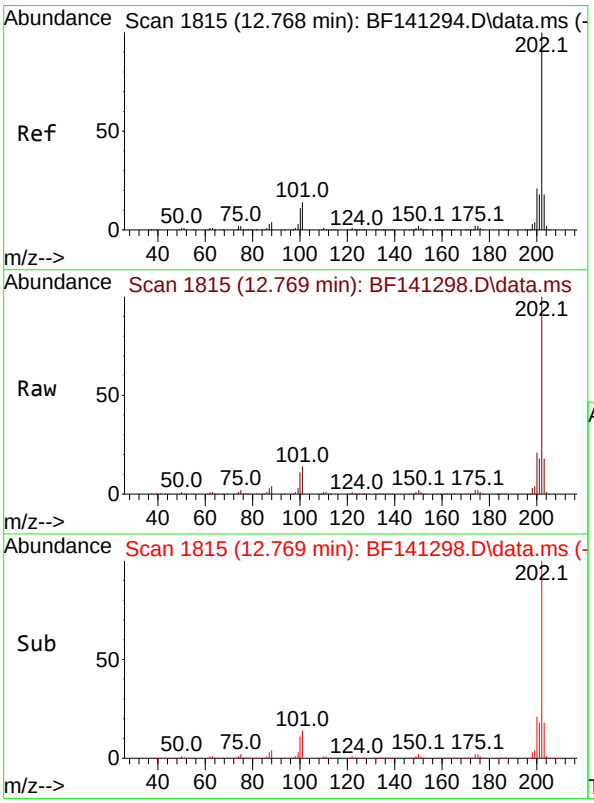
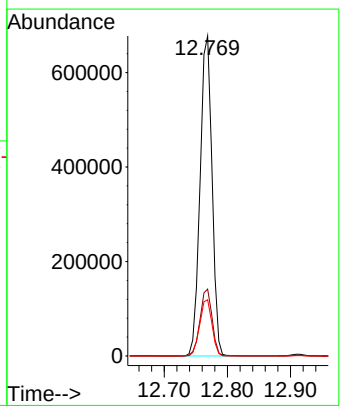
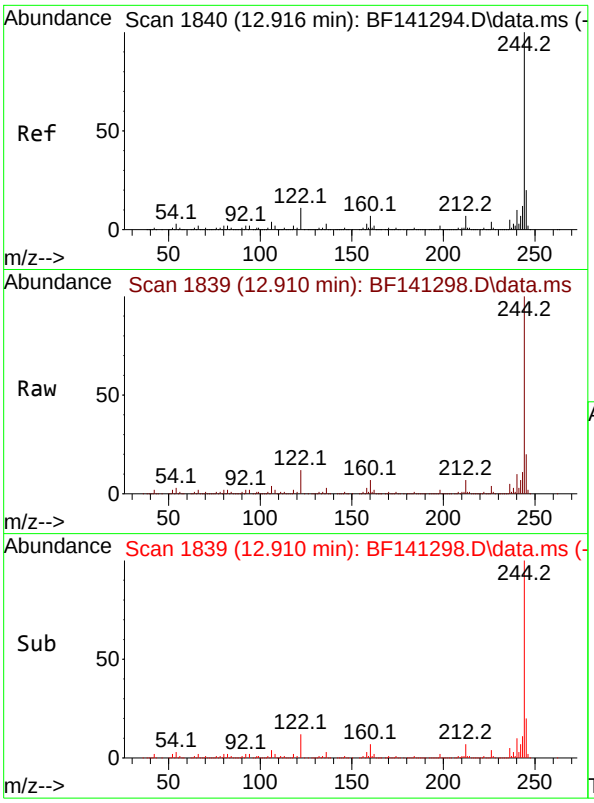


#78
Pyrene
Concen: 36.225 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:202 Resp: 894269

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.5	14.3	21.5

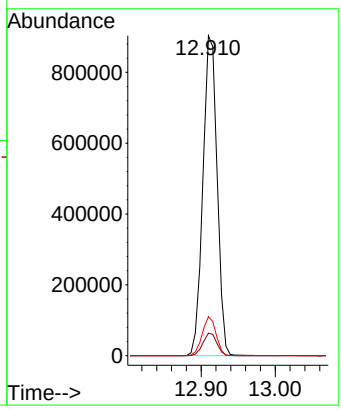




#79
Terphenyl-d14
Concen: 72.460 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:244 Resp: 120835

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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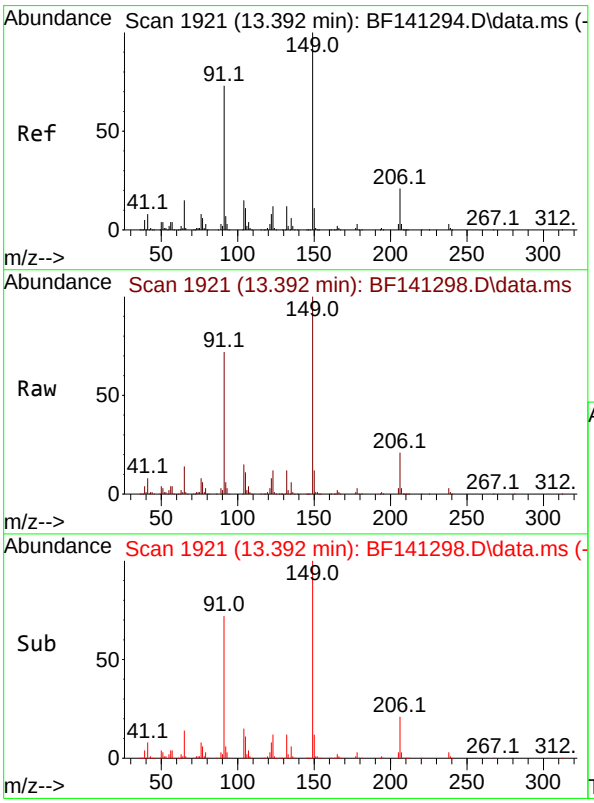
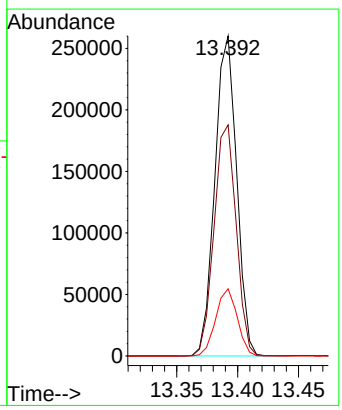
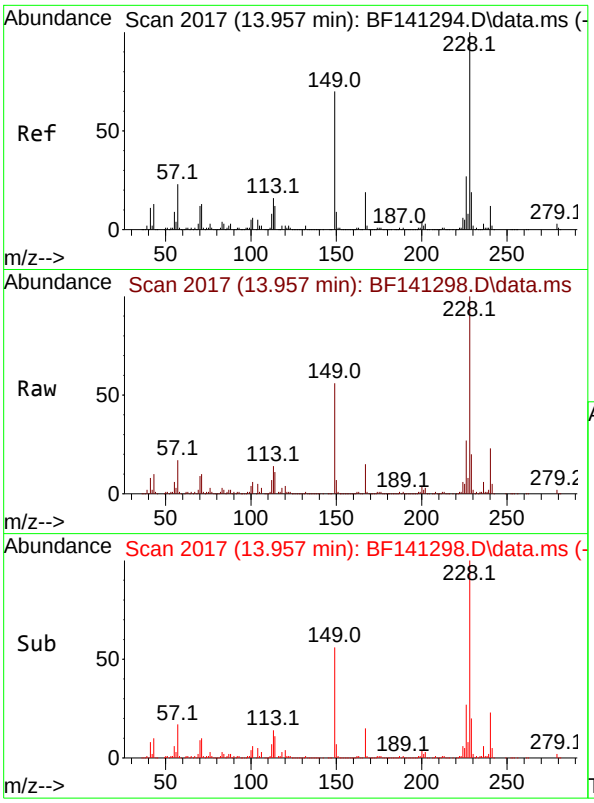


#80
Butylbenzylphthalate
Concen: 37.660 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 324793

Ion	Ratio	Lower	Upper
149	100		
91	72.2	58.6	87.8
206	21.0	16.7	25.1

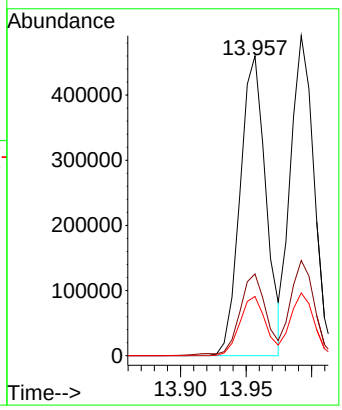




#81
Benzo(a)anthracene
Concen: 35.587 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 63155

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
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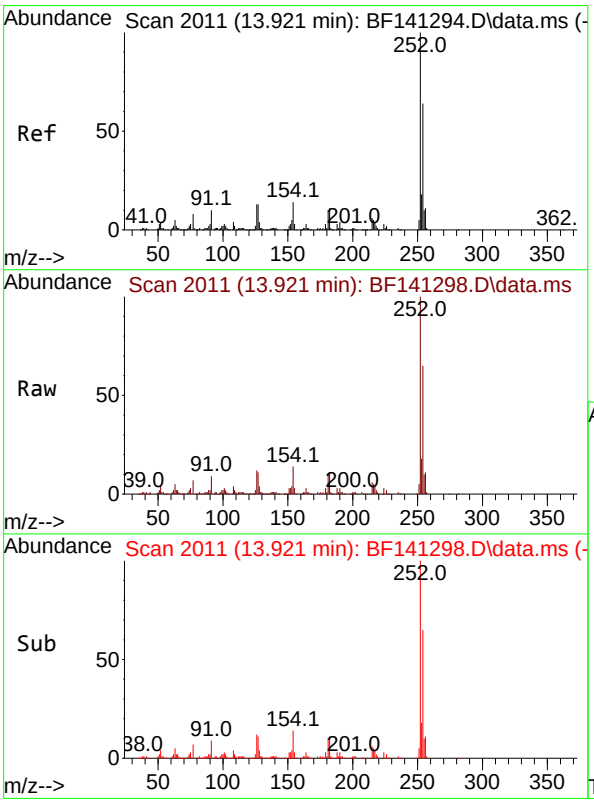
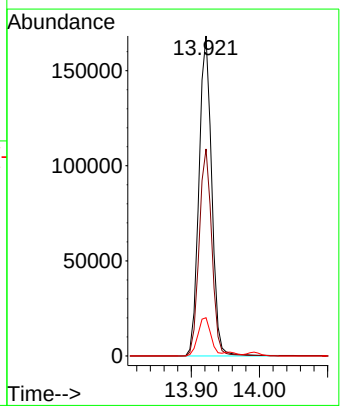
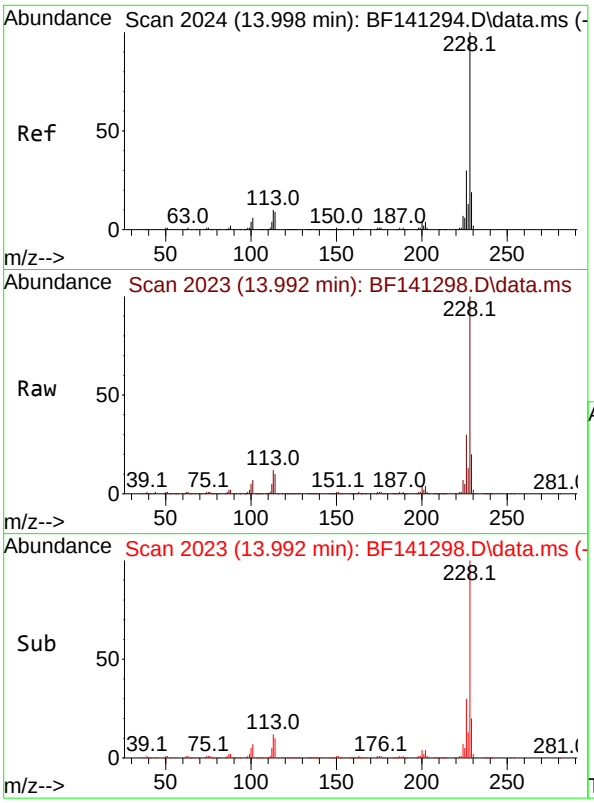


#82
3,3'-Dichlorobenzidine
Concen: 38.774 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 218850

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.3	76.9
126	12.0	10.0	15.0





#83
Chrysene
Concen: 37.508 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:228 Resp: 61003

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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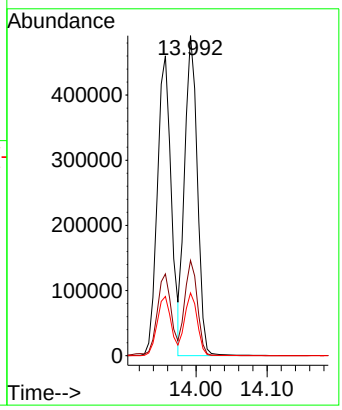
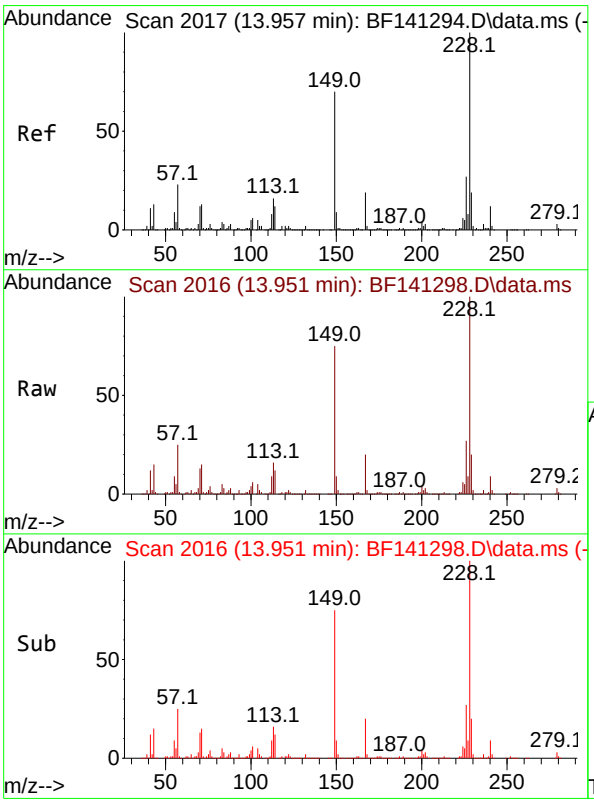
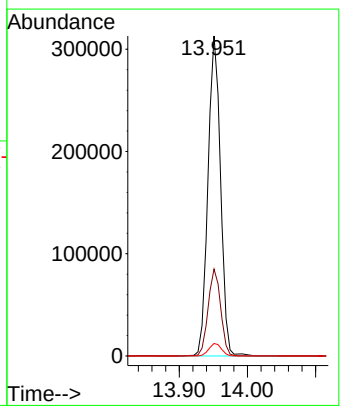


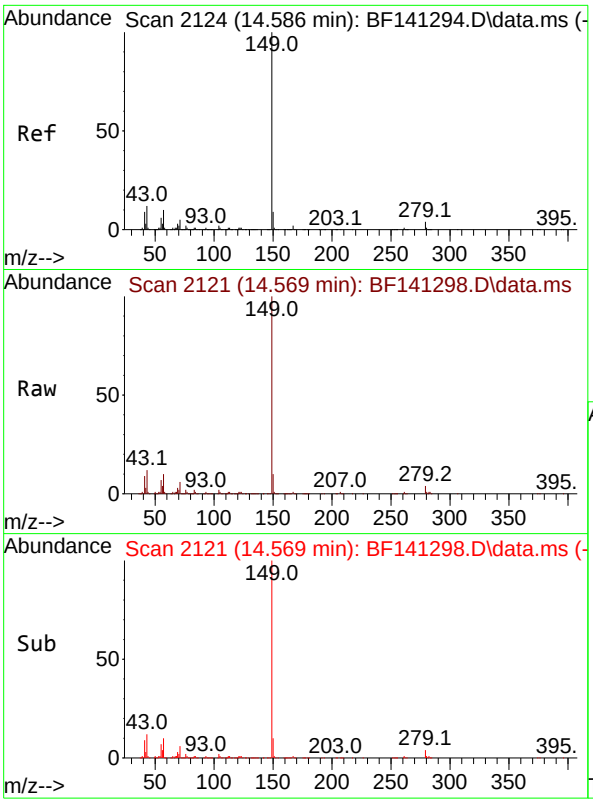


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.620 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 400642

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.8
279	3.9	3.3	4.9

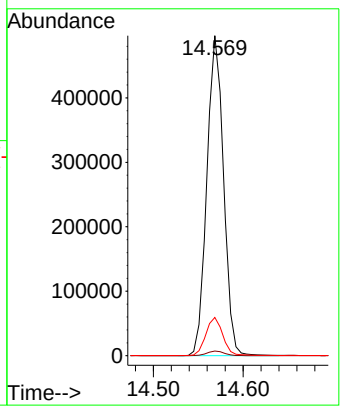




#85
Di-n-octyl phthalate
Concen: 37.807 ng
RT: 14.569 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:149 Resp: 64243

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.1	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
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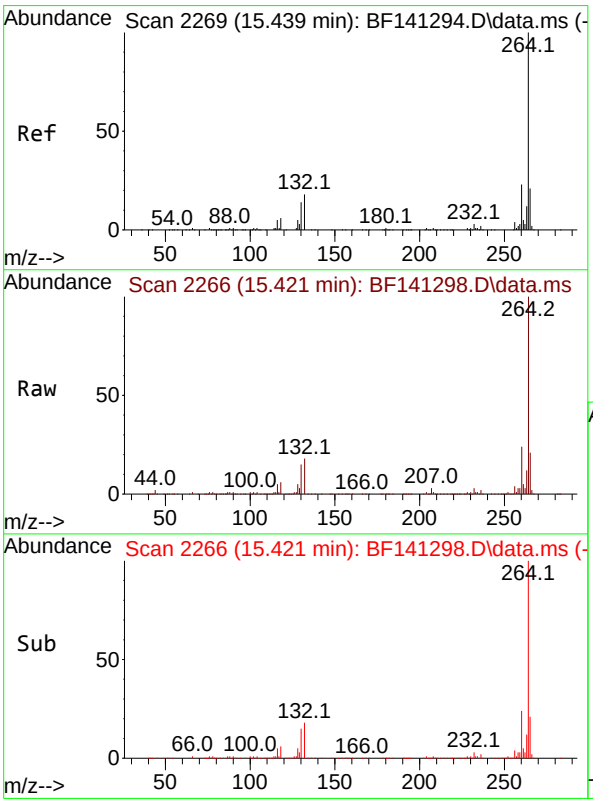
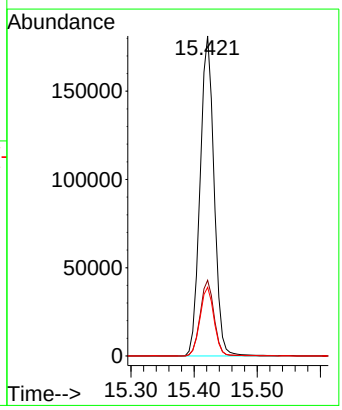
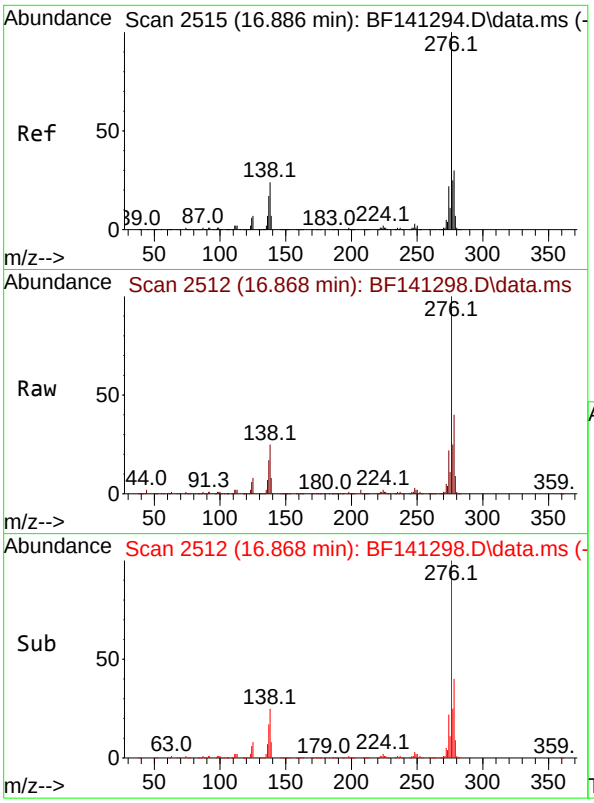


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:264 Resp: 279455

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.5	16.7	25.1

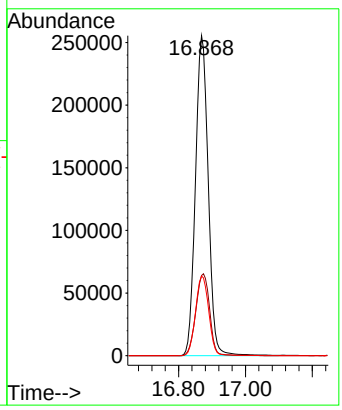




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.626 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 67865

Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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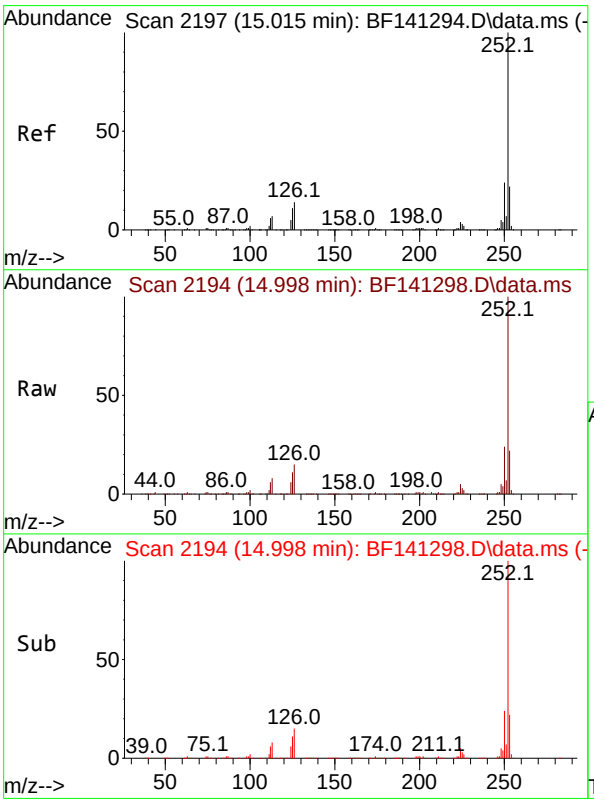
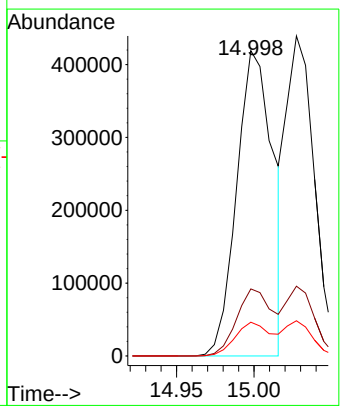
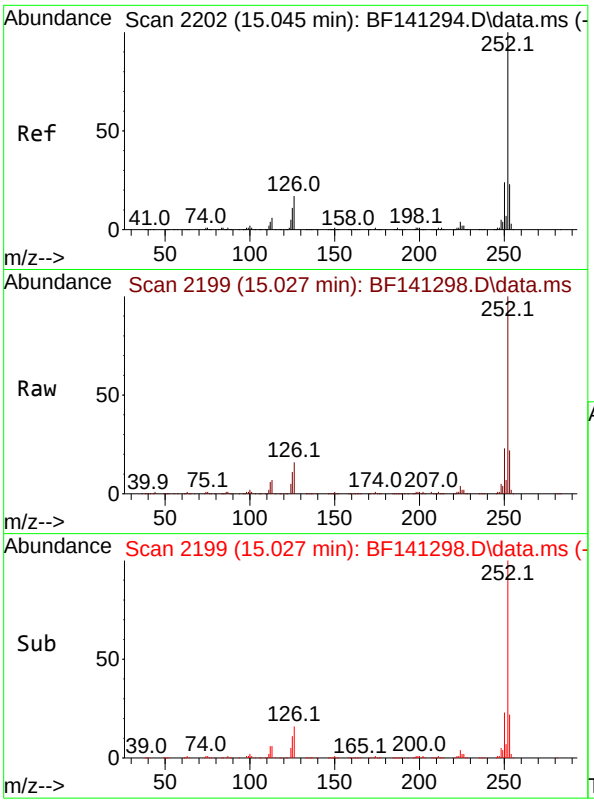


#88
Benzo(b)fluoranthene
Concen: 38.861 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 683111

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	11.0	8.6	12.8

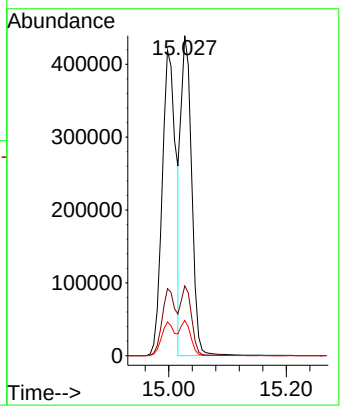




#89
Benzo(k)fluoranthene
Concen: 35.766 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 55696

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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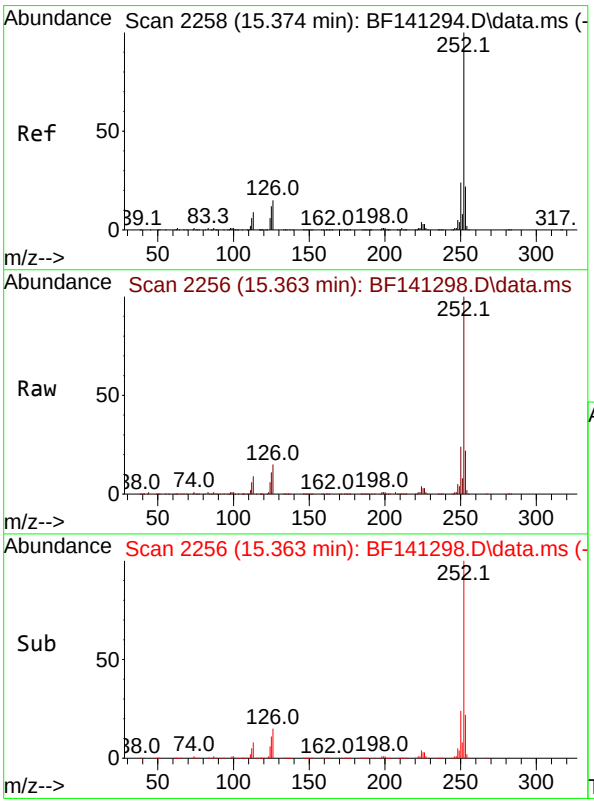
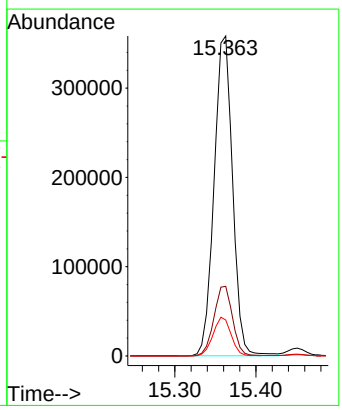
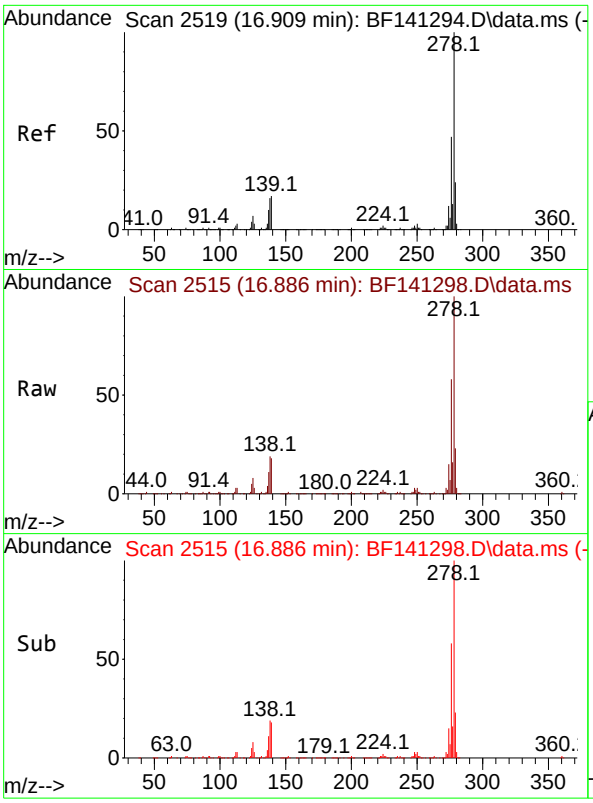


#90
Benzo(a)pyrene
Concen: 38.209 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:252 Resp: 567574

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.2	9.4	14.2

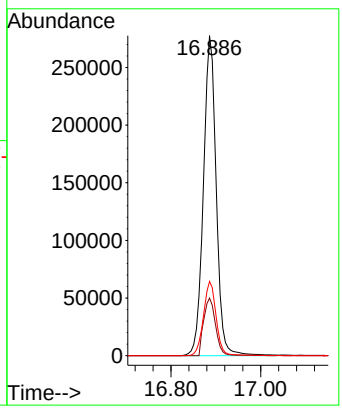




#91
Dibenzo(a,h)anthracene
Concen: 38.007 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:278 Resp: 55153

Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.9	20.9
279	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF012925

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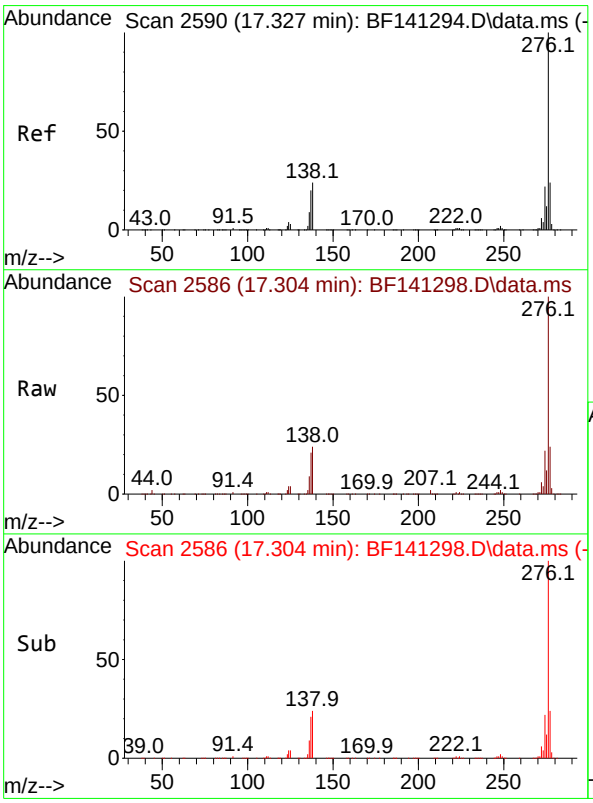
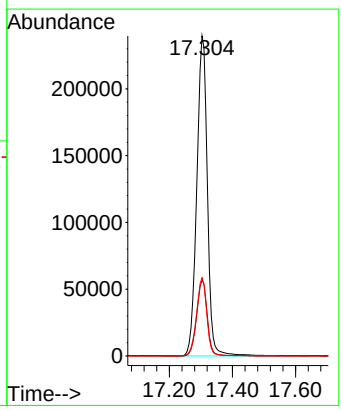


#92
Benzo(g,h,i)perylene
Concen: 37.101 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141298.D
Acq: 29 Jan 2025 17:31

Tgt Ion:276 Resp: 559807

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	24.4	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.573	0.534	6.8	97	0.00
3		Pyridine	1.380	1.326	3.9	98	-0.01
4		n-Nitrosodimethylamine	0.789	0.749	5.1	97	-0.03
5	S	2-Fluorophenol	1.303	1.221	6.3	99	0.00
6		Aniline	1.403	1.383	1.4	99	0.00
7	S	Phenol-d6	1.657	1.546	6.7	99	-0.01
8		2-Chlorophenol	1.396	1.309	6.2	99	-0.01
9		Benzaldehyde	0.960	0.887	7.6	97	0.00
10	C	Phenol	1.757	1.664	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.259	6.5	100	-0.01
12		1,3-Dichlorobenzene	1.540	1.435	6.8	98	0.00
13	C	1,4-Dichlorobenzene	1.547	1.465	5.3	100	0.00
14		1,2-Dichlorobenzene	1.448	1.348	6.9	98	0.00
15		Benzyl Alcohol	1.133	1.075	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.204	5.9	98	0.00
17		2-Methylphenol	1.135	1.037	8.6	97	0.00
18		Hexachloroethane	0.571	0.543	4.9	100	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.907	7.9	99	-0.02
20		3+4-Methylphenols	1.393	1.302	6.5	99	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.475	0.436	8.2	99	0.00
23	S	Nitrobenzene-d5	0.379	0.359	5.3	100	0.00
24		Nitrobenzene	0.393	0.373	5.1	99	-0.01
25		Isophorone	0.656	0.614	6.4	99	0.00
26	C	2-Nitrophenol	0.185	0.177	4.3	99	0.00
27		2,4-Dimethylphenol	0.236	0.225	4.7	99	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.392	6.2	99	0.00
29	C	2,4-Dichlorophenol	0.289	0.272	5.9	99	0.00
30		1,2,4-Trichlorobenzene	0.330	0.301	8.8	98	0.00
31		Naphthalene	1.057	0.981	7.2	99	0.00
32		Benzoic acid	0.217	0.225	-3.7	101	-0.04
33		4-Chloroaniline	0.358	0.333	7.0	97	0.00
34	C	Hexachlorobutadiene	0.194	0.177	8.8	98	0.00
35		Caprolactam	0.094	0.089	5.3	99	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.290	6.5	100	0.00
37		2-Methylnaphthalene	0.672	0.619	7.9	98	0.00
38		1-Methylnaphthalene	0.660	0.620	6.1	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.530	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.168	0.0	97	0.00
42	S	2,4,6-Tribromophenol	0.183	0.172	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.360	3.2	98	0.00
44		2,4,5-Trichlorophenol	0.405	0.375	7.4	98	0.00
45	S	2-Fluorobiphenyl	1.299	1.185	8.8	99	0.00
46		1,1'-Biphenyl	1.560	1.447	7.2	98	0.00
47		2-Chloronaphthalene	1.216	1.120	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.363	5.0	99	0.00
49		Acenaphthylene	1.702	1.592	6.5	99	0.00
50		Dimethylphthalate	1.351	1.246	7.8	99	0.00
51		2,6-Dinitrotoluene	0.314	0.294	6.4	98	0.00
52	C	Acenaphthene	1.216	1.131	7.0	99	0.00
53		3-Nitroaniline	0.307	0.293	4.6	96	0.00
54	P	2,4-Dinitrophenol	0.146	0.145	0.7	97	-0.01
55		Dibenzofuran	1.627	1.506	7.4	98	0.00
56	P	4-Nitrophenol	0.225	0.220	2.2	97	-0.01
57		2,4-Dinitrotoluene	0.406	0.389	4.2	100	-0.01
58		Fluorene	1.262	1.150	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.302	5.3	98	0.00
60		Diethylphthalate	1.310	1.222	6.7	99	0.00
61		4-Chlorophenyl-phenylether	0.617	0.558	9.6	97	0.00
62		4-Nitroaniline	0.302	0.285	5.6	97	-0.01
63		Azobenzene	1.311	1.213	7.5	98	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.124	-5.1	97	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.627	3.1	98	0.00
67		4-Bromophenyl-phenylether	0.224	0.221	1.3	100	0.00
68		Hexachlorobenzene	0.238	0.231	2.9	99	0.00
69		Atrazine	0.216	0.212	1.9	98	0.00
70	C	Pentachlorophenol	0.139	0.142	-2.2	98	0.00
71		Phenanthrene	1.075	1.024	4.7	98	0.00
72		Anthracene	1.053	1.013	3.8	99	0.00
73		Carbazole	0.934	0.903	3.3	99	0.00
74		Di-n-butylphthalate	1.132	1.093	3.4	99	0.00
75	C	Fluoranthene	1.062	1.002	5.6	97	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77		Benzidine	0.641	0.788	-22.9	106	0.00
78		Pyrene	1.920	1.739	9.4	98	0.00
79	S	Terphenyl-d14	1.297	1.175	9.4	98	0.00
80		Butylbenzylphthalate	0.671	0.631	6.0	100	0.00
81		Benzo(a)anthracene	1.380	1.228	11.0	95	0.00
82		3,3'-Dichlorobenzidine	0.439	0.425	3.2	100	0.00
83		Chrysene	1.265	1.186	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.779	8.5	98	0.00
85	c	Di-n-octyl phthalate	1.321	1.249	5.5	100	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.214	6.0	97	-0.03
88		Benzo(b)fluoranthene	1.258	1.222	2.9	109	-0.02
89		Benzo(k)fluoranthene	1.114	0.997	10.5	92	-0.02
90	C	Benzo(a)pyrene	1.063	1.016	4.4	100	-0.02
91		Dibenzo(a,h)anthracene	1.039	0.987	5.0	97	-0.04
92		Benzo(g,h,i)perylene	1.080	1.002	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	37.296	6.8	97	0.00
3		Pyridine	40.000	38.413	4.0	98	-0.01
4		n-Nitrosodimethylamine	40.000	37.977	5.1	97	-0.03
5	S	2-Fluorophenol	80.000	74.963	6.3	99	0.00
6		Aniline	40.000	39.437	1.4	99	0.00
7	S	Phenol-d6	80.000	74.641	6.7	99	-0.01
8		2-Chlorophenol	40.000	37.505	6.2	99	-0.01
9		Benzaldehyde	40.000	36.965	7.6	97	0.00
10	C	Phenol	40.000	37.888	5.3	99	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.387	6.5	100	-0.01
12		1,3-Dichlorobenzene	40.000	37.288	6.8	98	0.00
13	C	1,4-Dichlorobenzene	40.000	37.885	5.3	100	0.00
14		1,2-Dichlorobenzene	40.000	37.241	6.9	98	0.00
15		Benzyl Alcohol	40.000	37.952	5.1	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.636	5.9	98	0.00
17		2-Methylphenol	40.000	36.544	8.6	97	0.00
18		Hexachloroethane	40.000	38.094	4.8	100	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.848	7.9	99	-0.02
20		3+4-Methylphenols	40.000	37.364	6.6	99	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	36.717	8.2	99	0.00
23	S	Nitrobenzene-d5	80.000	75.630	5.5	100	0.00
24		Nitrobenzene	40.000	37.927	5.2	99	-0.01
25		Isophorone	40.000	37.439	6.4	99	0.00
26	C	2-Nitrophenol	40.000	38.289	4.3	99	0.00
27		2,4-Dimethylphenol	40.000	38.055	4.9	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.460	6.3	99	0.00
29	C	2,4-Dichlorophenol	40.000	37.675	5.8	99	0.00
30		1,2,4-Trichlorobenzene	40.000	36.488	8.8	98	0.00
31		Naphthalene	40.000	37.128	7.2	99	0.00
32		Benzoic acid	40.000	41.534	-3.8	101	-0.04
33		4-Chloroaniline	40.000	37.214	7.0	97	0.00
34	C	Hexachlorobutadiene	40.000	36.676	8.3	98	0.00
35		Caprolactam	40.000	37.662	5.8	99	-0.02
36	C	4-Chloro-3-methylphenol	40.000	37.480	6.3	100	0.00
37		2-Methylnaphthalene	40.000	36.898	7.8	98	0.00
38		1-Methylnaphthalene	40.000	37.570	6.1	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.226	6.9	98	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.961	0.1	97	0.00
42	S	2,4,6-Tribromophenol	80.000	75.161	6.0	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.625	3.4	98	0.00
44		2,4,5-Trichlorophenol	40.000	36.969	7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.938	8.8	99	0.00
46		1,1'-Biphenyl	40.000	37.111	7.2	98	0.00
47		2-Chloronaphthalene	40.000	36.837	7.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.970	5.1	99	0.00
49		Acenaphthylene	40.000	37.416	6.5	99	0.00
50		Dimethylphthalate	40.000	36.904	7.7	99	0.00
51		2,6-Dinitrotoluene	40.000	37.459	6.4	98	0.00
52	C	Acenaphthene	40.000	37.206	7.0	99	0.00
53		3-Nitroaniline	40.000	38.150	4.6	96	0.00
54	P	2,4-Dinitrophenol	40.000	39.734	0.7	97	-0.01
55		Dibenzofuran	40.000	37.012	7.5	98	0.00
56	P	4-Nitrophenol	40.000	39.089	2.3	97	-0.01
57		2,4-Dinitrotoluene	40.000	38.327	4.2	100	-0.01
58		Fluorene	40.000	36.451	8.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.902	5.2	98	0.00
60		Diethylphthalate	40.000	37.316	6.7	99	0.00
61		4-Chlorophenyl-phenylether	40.000	36.180	9.6	97	0.00
62		4-Nitroaniline	40.000	37.665	5.8	97	-0.01
63		Azobenzene	40.000	37.020	7.4	98	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.913	-4.8	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.757	3.1	98	0.00
67		4-Bromophenyl-phenylether	40.000	39.477	1.3	100	0.00
68		Hexachlorobenzene	40.000	38.929	2.7	99	0.00
69		Atrazine	40.000	39.215	2.0	98	0.00
70	C	Pentachlorophenol	40.000	40.973	-2.4	98	0.00
71		Phenanthrene	40.000	38.117	4.7	98	0.00
72		Anthracene	40.000	38.484	3.8	99	0.00
73		Carbazole	40.000	38.661	3.3	99	0.00
74		Di-n-butylphthalate	40.000	38.639	3.4	99	0.00
75	C	Fluoranthene	40.000	37.768	5.6	97	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77		Benzidine	40.000	49.142	-22.9	106	0.00
78		Pyrene	40.000	36.225	9.4	98	0.00
79	S	Terphenyl-d14	80.000	72.460	9.4	98	0.00
80		Butylbenzylphthalate	40.000	37.660	5.9	100	0.00
81		Benzo(a)anthracene	40.000	35.587	11.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	38.774	3.1	100	0.00
83		Chrysene	40.000	37.508	6.2	103	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	36.620	8.5	98	0.00
85	c	Di-n-octyl phthalate	40.000	37.807	5.5	100	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	100	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.626	5.9	97	-0.03
88		Benzo(b)fluoranthene	40.000	38.861	2.8	109	-0.02
89		Benzo(k)fluoranthene	40.000	35.766	10.6	92	-0.02
90	C	Benzo(a)pyrene	40.000	38.209	4.5	100	-0.02
91		Dibenzo(a,h)anthracene	40.000	38.007	5.0	97	-0.04
92		Benzo(g,h,i)perylene	40.000	37.101	7.2	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141298.D
Acq On : 29 Jan 2025 17:31
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF012925

Quant Time: Jan 30 03:16:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.194		-8.4	
Benzaldehyde	0.960	0.852		-11.3	
Phenol-d6	1.657	1.545		-6.8	
Phenol	1.757	1.657		-5.7	20.0
bis(2-Chloroethyl)ether	1.347	1.242		-7.8	
2-Chlorophenol	1.396	1.317		-5.7	
2-Methylphenol	1.135	1.057		-6.9	
2,2-oxybis(1-Chloropropane)	2.342	2.216		-5.4	
Acetophenone	0.475	0.435		-8.4	
3+4-Methylphenols	1.393	1.298		-6.8	
n-Nitroso-di-n-propylamine	0.985	0.911	0.050	-7.5	
Nitrobenzene-d5	0.379	0.356		-6.1	
Hexachloroethane	0.571	0.533		-6.7	
Nitrobenzene	0.393	0.370		-5.9	
Isophorone	0.656	0.621		-5.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.227		-3.8	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.273		-5.5	20.0
Naphthalene	1.057	0.980		-7.3	
4-Chloroaniline	0.358	0.341		-4.7	
Hexachlorobutadiene	0.194	0.181		-6.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.295		-4.8	20.0
2-Methylnaphthalene	0.672	0.622		-7.4	
Hexachlorocyclopentadiene	0.168	0.172	0.050	2.4	
2,4,6-Trichlorophenol	0.372	0.361		-3.0	20.0
2-Fluorobiphenyl	1.299	1.166		-10.2	
2,4,5-Trichlorophenol	0.405	0.374		-7.7	
1,1-Biphenyl	1.560	1.444		-7.4	
2-Chloronaphthalene	1.216	1.115		-8.3	
2-Nitroaniline	0.382	0.364		-4.7	
Dimethylphthalate	1.351	1.260		-6.7	
Acenaphthylene	1.702	1.594		-6.3	
2,6-Dinitrotoluene	0.314	0.293		-6.7	
3-Nitroaniline	0.307	0.296		-3.6	
Acenaphthene	1.216	1.130		-7.1	20.0
2,4-Dinitrophenol	0.146	0.139	0.050	-4.8	
4-Nitrophenol	0.225	0.221	0.050	-1.8	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.502		-7.7	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.217		-7.1	
4-Chlorophenyl-phenylether	0.617	0.568		-7.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.294		-2.6	
4,6-Dinitro-2-methylphenol	0.118	0.123		4.2	
n-Nitrosodiphenylamine	0.647	0.610		-5.7	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.216		-3.6	
Hexachlorobenzene	0.238	0.229		-3.8	
Atrazine	0.216	0.194		-10.2	
Pentachlorophenol	0.139	0.142		2.2	20.0
Phenanthrene	1.075	1.008		-6.2	
Anthracene	1.053	0.988		-6.2	
Carbazole	0.934	0.889		-4.8	
Di-n-butylphthalate	1.132	1.094		-3.4	
Fluoranthene	1.062	1.005		-5.4	20.0
Pyrene	1.920	1.777		-7.4	
Terphenyl-d14	1.297	1.185		-8.6	
Butylbenzylphthalate	0.671	0.641		-4.5	
3,3-Dichlorobenzidine	0.439	0.407		-7.3	
Benzo(a)anthracene	1.380	1.214		-12.0	
Chrysene	1.265	1.188		-6.1	
Bis(2-ethylhexyl)phthalate	0.851	0.798		-6.2	
Di-n-octyl phthalate	1.321	1.218		-7.8	20.0
Benzo(b)fluoranthene	1.258	1.162		-7.6	
Benzo(k)fluoranthene	1.114	1.056		-5.2	
Benzo(a)pyrene	1.063	1.010		-5.0	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.200		-7.0	
Dibenzo(a,h)anthracene	1.039	0.965		-7.1	
Benzo(g,h,i)perylene	1.080	0.995		-7.9	
1,2,4,5-Tetrachlorobenzene	0.569	0.533		-6.3	
1,4-Dioxane	0.573	0.542		-5.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.312		-2.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146467	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	575983	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	308835	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	511005	20.000	ng	0.00
76) Chrysene-d12	13.969	240	290304	20.000	ng	0.00
86) Perylene-d12	15.421	264	298783	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	699692	73.339	ng	0.00
7) Phenol-d6	6.428	99	905142	74.578	ng	-0.01
23) Nitrobenzene-d5	7.363	82	819573	75.011	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	214625	75.804	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1439957	71.765	ng	0.00
79) Terphenyl-d14	12.910	244	1375587	73.075	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.487	88	158660	37.813	ng	100
3) Pyridine	3.216	79	391062	38.682	ng	99
4) n-Nitrosodimethylamine	3.169	42	220937	38.256	ng	99
6) Aniline	6.463	93	407872	39.701	ng	99
8) 2-Chlorophenol	6.581	128	385660	37.714	ng	99
9) Benzaldehyde	6.345	77	249683	35.516	ng	98
10) Phenol	6.440	94	485474	37.734	ng	99
11) bis(2-Chloroethyl)ether	6.534	93	363969	36.896	ng	100
12) 1,3-Dichlorobenzene	6.740	146	419797	37.233	ng	100
13) 1,4-Dichlorobenzene	6.816	146	419682	37.052	ng	99
14) 1,2-Dichlorobenzene	6.969	146	397745	37.501	ng	100
15) Benzyl Alcohol	6.940	79	320021	38.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	649089	37.839	ng	100
17) 2-Methylphenol	7.051	107	309553	37.247	ng	99
18) Hexachloroethane	7.310	117	156061	37.348	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	266872	37.005	ng	96
20) 3+4-Methylphenols	7.204	107	380083	37.247	ng	98
22) Acetophenone	7.210	105	500914	36.587	ng	99
24) Nitrobenzene	7.381	77	426364	37.656	ng	100
25) Isophorone	7.622	82	715169	37.866	ng	99
26) 2-Nitrophenol	7.698	139	203916	38.187	ng	99
27) 2,4-Dimethylphenol	7.734	122	261367	38.454	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	453765	37.666	ng	100
29) 2,4-Dichlorophenol	7.939	162	314718	37.822	ng	100
30) 1,2,4-Trichlorobenzene	8.022	180	351887	37.030	ng	100
31) Naphthalene	8.104	128	1129129	37.109	ng	100
32) Benzoic acid	7.845	122	242870	38.870	ng	99
33) 4-Chloroaniline	8.151	127	392735	38.063	ng	99
34) Hexachlorobutadiene	8.222	225	208442	37.404	ng	99
35) Caprolactam	8.522	113	104874	38.592	ng	96
36) 4-Chloro-3-methylphenol	8.634	107	339876	38.080	ng	98
37) 2-Methylnaphthalene	8.792	142	716771	37.063	ng	100
38) 1-Methylnaphthalene	8.892	142	705777	37.152	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	329038	37.450	ng	99
41) Hexachlorocyclopentadiene	8.945	237	106026	40.862	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	222870	38.755	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

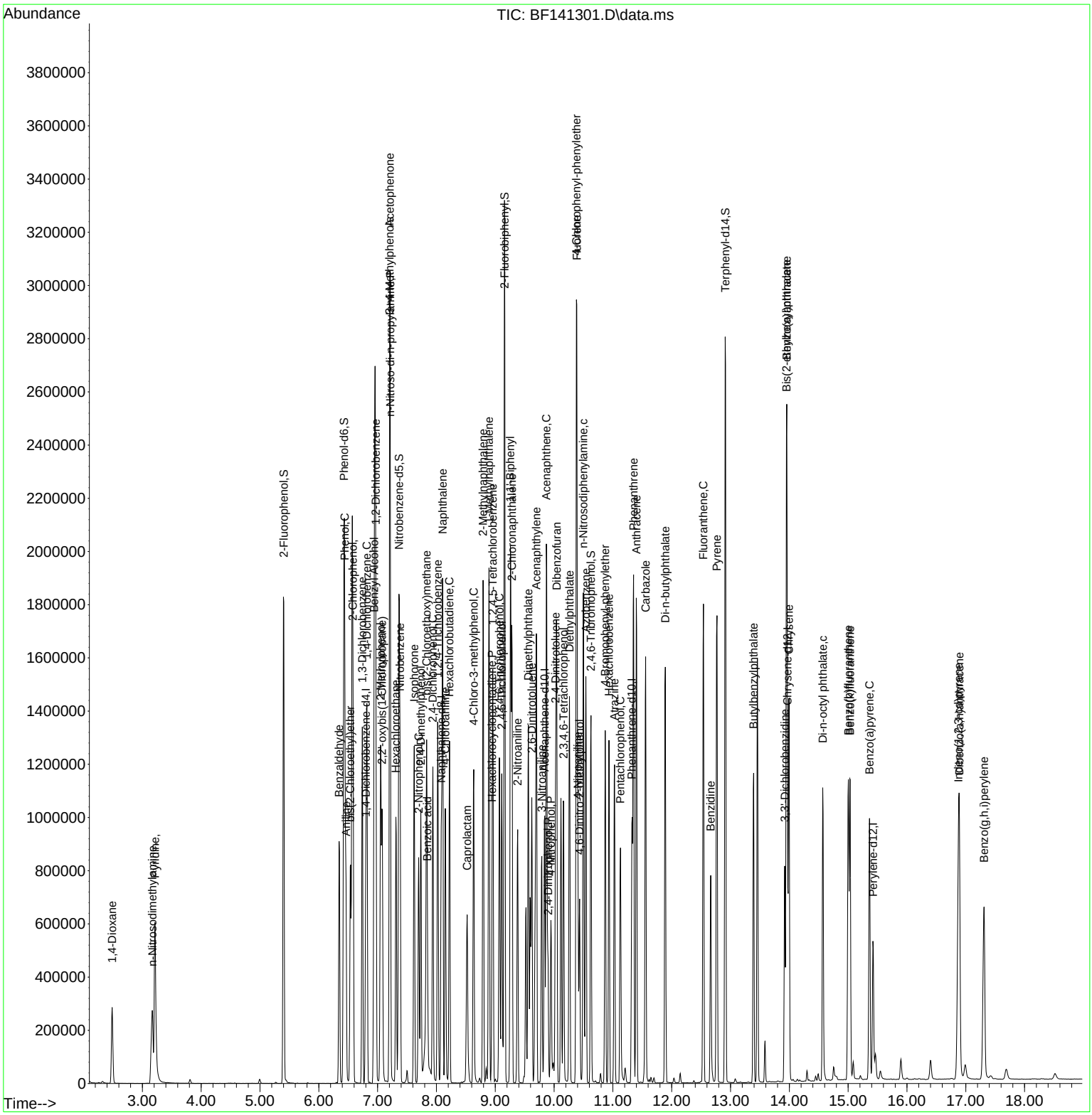
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	231078	36.919	ng	99
46) 1,1'-Biphenyl	9.257	154	892160	37.042	ng	99
47) 2-Chloronaphthalene	9.281	162	688957	36.699	ng	99
48) 2-Nitroaniline	9.381	65	225042	38.111	ng	99
49) Acenaphthylene	9.698	152	984505	37.463	ng	100
50) Dimethylphthalate	9.563	163	777984	37.298	ng	100
51) 2,6-Dinitrotoluene	9.622	165	181065	37.386	ng	99
52) Acenaphthene	9.869	154	697843	37.171	ng	99
53) 3-Nitroaniline	9.792	138	182543	38.456	ng	100
54) 2,4-Dinitrophenol	9.898	184	85734	38.081	ng	99
55) Dibenzofuran	10.045	168	927873	36.923	ng	99
56) 4-Nitrophenol	9.945	139	136436	39.302	ng	100
57) 2,4-Dinitrotoluene	10.028	165	239168	38.142	ng	99
58) Fluorene	10.386	166	710687	36.459	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	192623	39.118	ng	98
60) Diethylphthalate	10.263	149	751491	37.157	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	351110	36.875	ng	99
62) 4-Nitroaniline	10.404	138	181893	38.976	ng	98
63) Azobenzene	10.539	77	756407	37.363	ng	100
65) 4,6-Dinitro-2-methylph...	10.433	198	125435	41.499	ng	99
66) n-Nitrosodiphenylamine	10.498	169	623386	37.717	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	220361	38.519	ng	99
68) Hexachlorobenzene	10.933	284	234276	38.606	ng	100
69) Atrazine	11.028	200	198524	35.925	ng	98
70) Pentachlorophenol	11.128	266	145156	40.848	ng	99
71) Phenanthrene	11.351	178	1029763	37.489	ng	100
72) Anthracene	11.398	178	1009748	37.517	ng	100
73) Carbazole	11.557	167	908313	38.060	ng	99
74) Di-n-butylphthalate	11.892	149	1117730	38.646	ng	100
75) Fluoranthene	12.539	202	1026756	37.857	ng	100
77) Benzidine	12.663	184	424599	45.623	ng	99
78) Pyrene	12.769	202	1031587	37.019	ng	99
80) Butylbenzylphthalate	13.392	149	372260	38.238	ng	99
81) Benzo(a)anthracene	13.957	228	704605	35.173	ng	100
82) 3,3'-Dichlorobenzidine	13.921	252	236068	37.051	ng	99
83) Chrysene	13.992	228	689916	37.578	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	463244	37.511	ng	100
85) Di-n-octyl phthalate	14.568	149	706897	36.853	ng	100
87) Indeno(1,2,3-cd)pyrene	16.874	276	717281	37.195	ng	100
88) Benzo(b)fluoranthene	15.004	252	694461	36.951	ng	100
89) Benzo(k)fluoranthene	15.033	252	630825	37.889	ng	100
90) Benzo(a)pyrene	15.363	252	603540	38.001	ng	100
91) Dibenzo(a,h)anthracene	16.892	278	576450	37.155	ng	100
92) Benzo(g,h,i)perylene	17.309	276	594713	36.865	ng	99

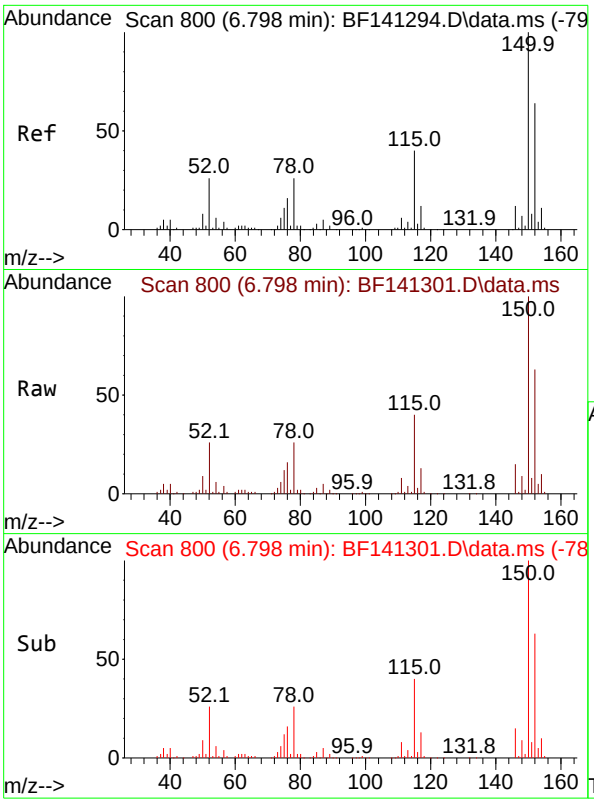
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



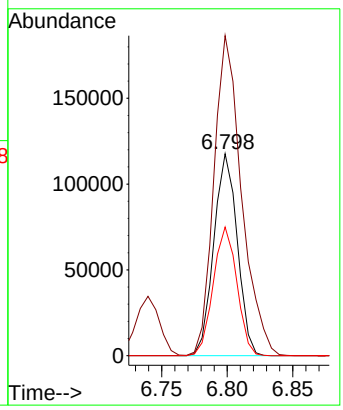


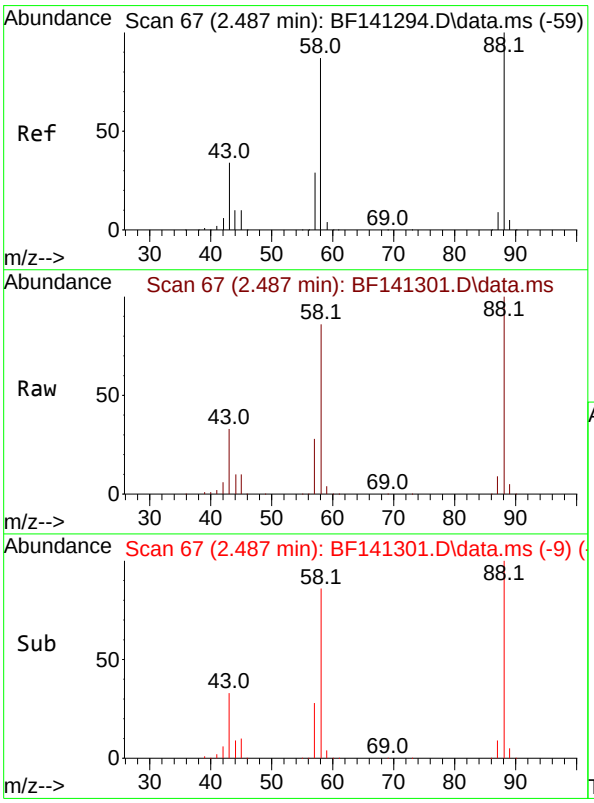
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 146467

Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.9	188.9
115	63.7	49.7	74.5

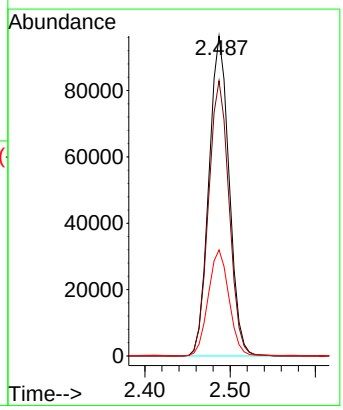


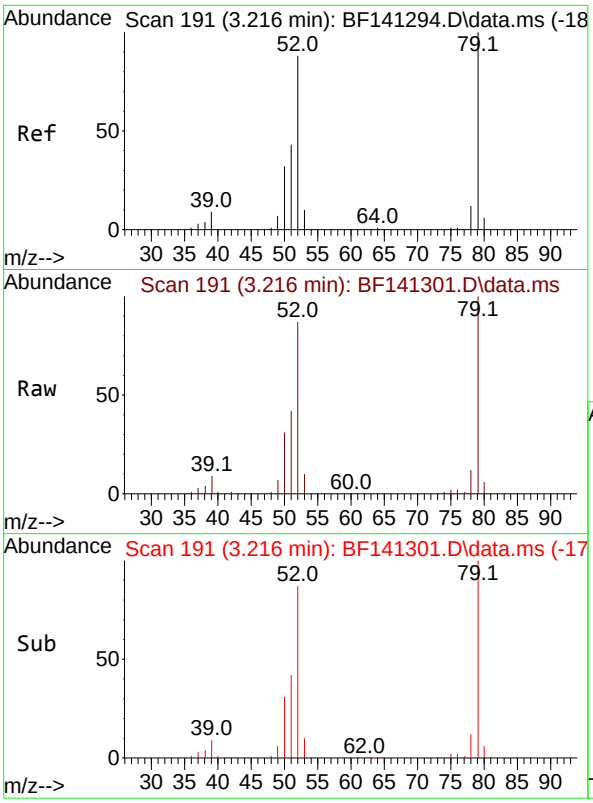


#2
1,4-Dioxane
Concen: 37.813 ng
RT: 2.487 min Scan# 67
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 88 Resp: 158660

Ion	Ratio	Lower	Upper
88	100		
58	87.4	70.2	105.4
43	34.2	27.6	41.4



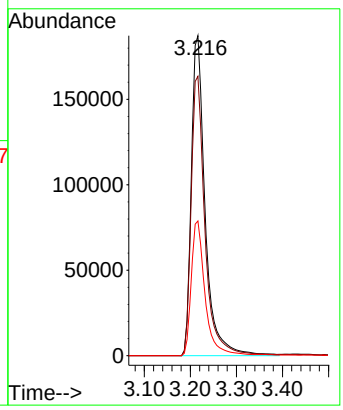


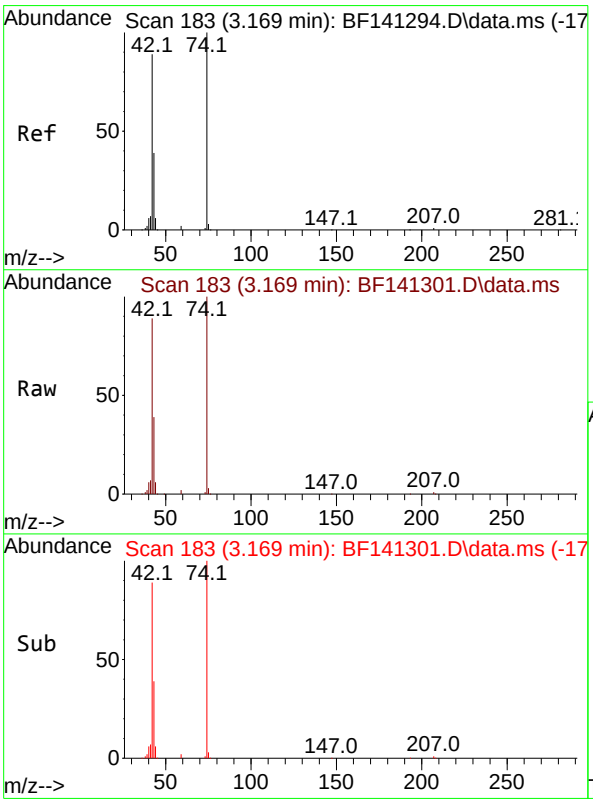
#3
Pyridine
Concen: 38.682 ng
RT: 3.216 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 391062

Ion	Ratio	Lower	Upper
79	100		
52	87.3	70.3	105.5
51	42.1	34.3	51.5

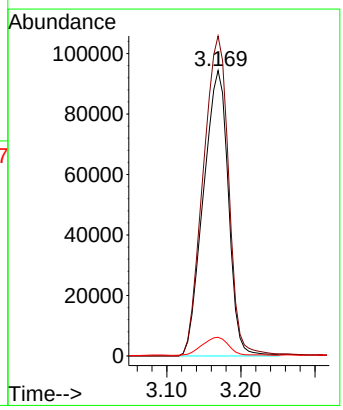


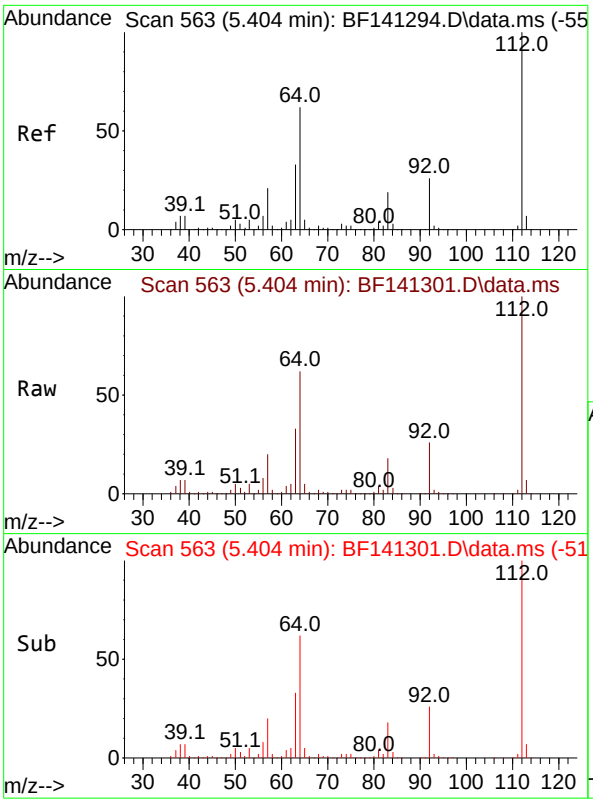


#4
n-Nitrosodimethylamine
Concen: 38.256 ng
RT: 3.169 min Scan# 183
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 42 Resp: 220937

Ion	Ratio	Lower	Upper
42	100		
74	112.1	90.3	135.5
44	6.6	5.7	8.5



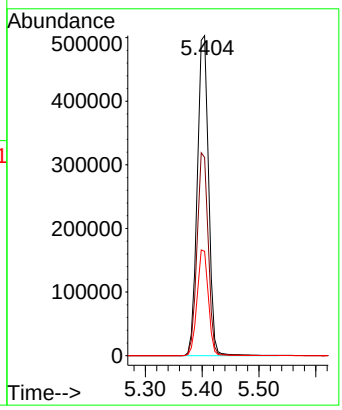


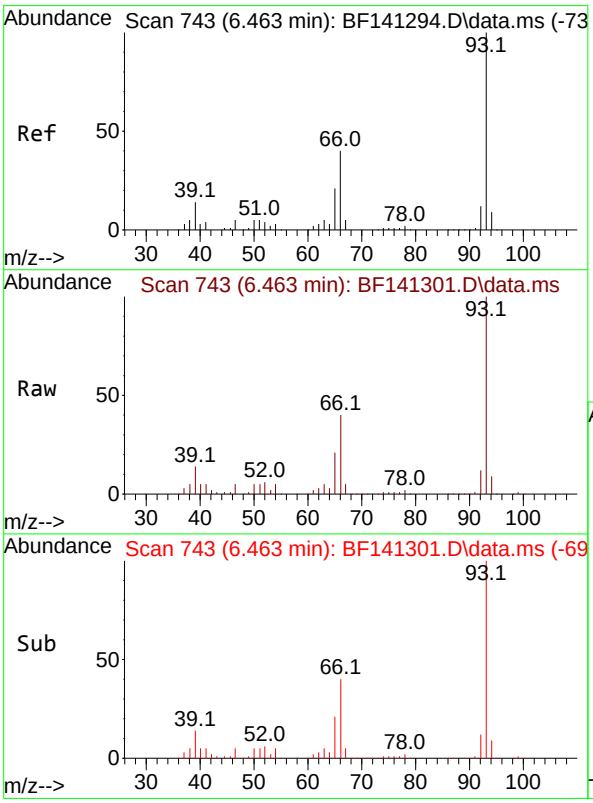
#5
2-Fluorophenol
Concen: 73.339 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 699692

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.8	74.8
63	32.6	26.1	39.1

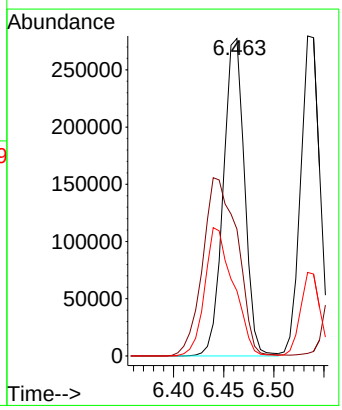


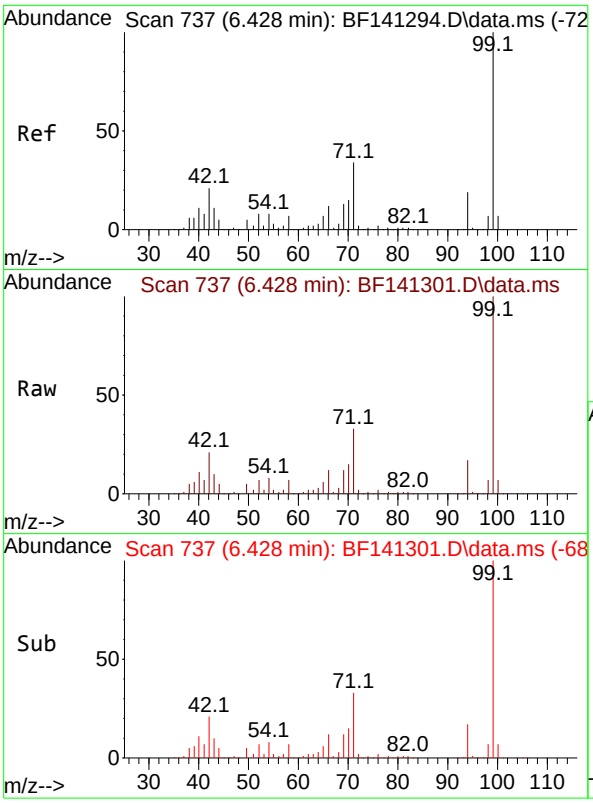


#6
Aniline
Concen: 39.701 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 407872

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.5	48.7
65	20.5	17.0	25.6



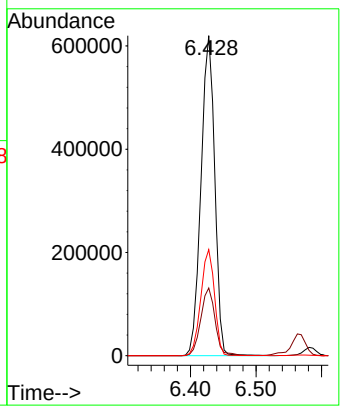


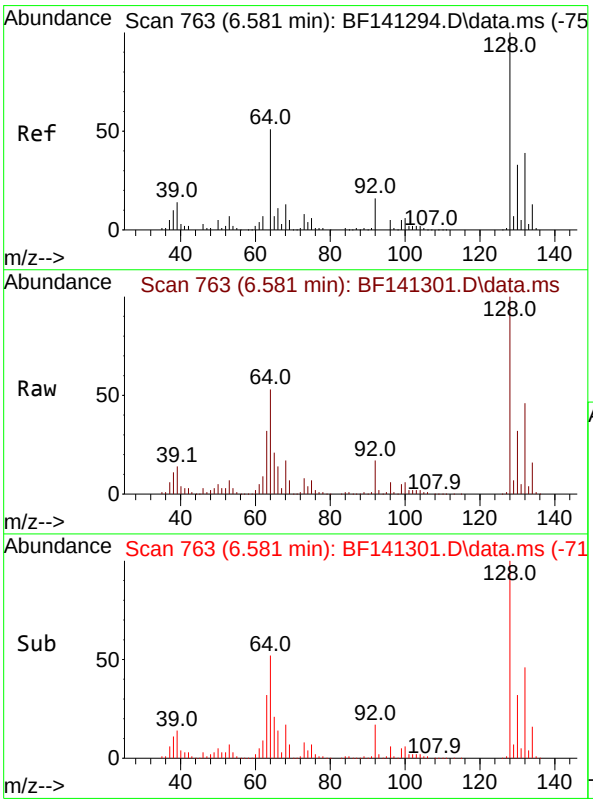
#7
Phenol-d6
Concen: 74.578 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 905142

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.1	25.7
71	33.2	26.9	40.3

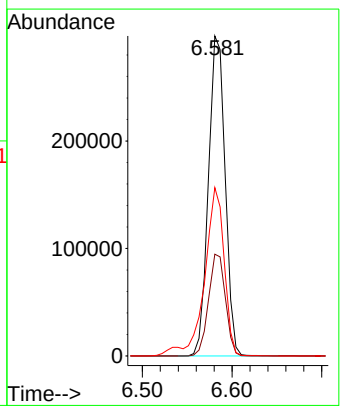


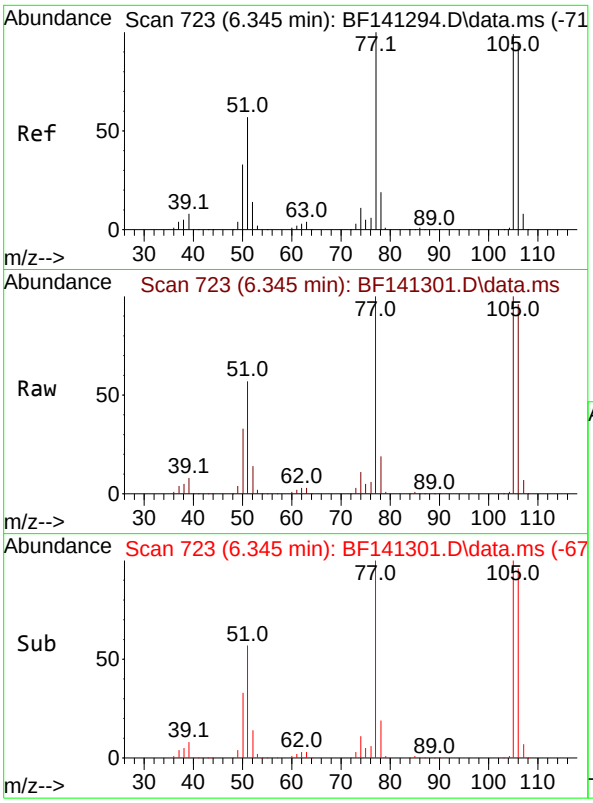


#8
2-Chlorophenol
Concen: 37.714 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:128 Resp: 385660

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.5	52.5
64	52.6	32.9	72.9



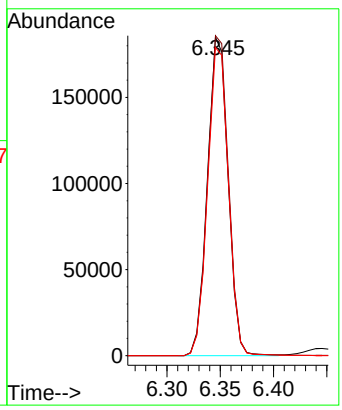


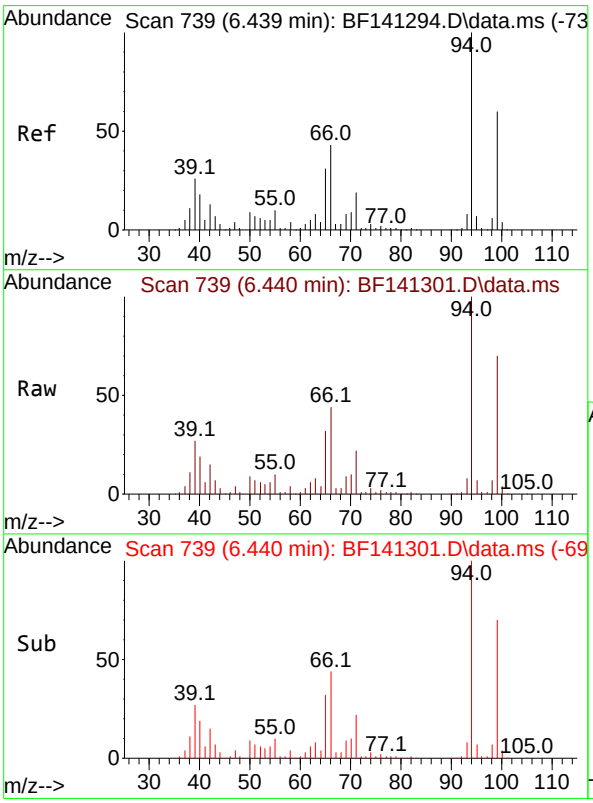
#9
Benzaldehyde
Concen: 35.516 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 249683

Ion	Ratio	Lower	Upper
77	100		
105	100.4	79.4	119.4
106	96.7	74.6	114.6

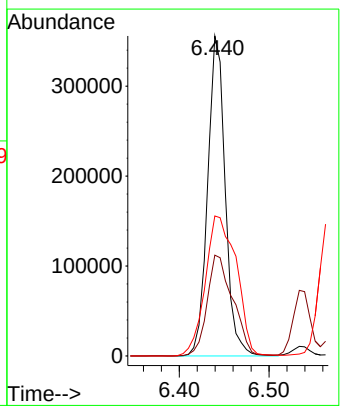


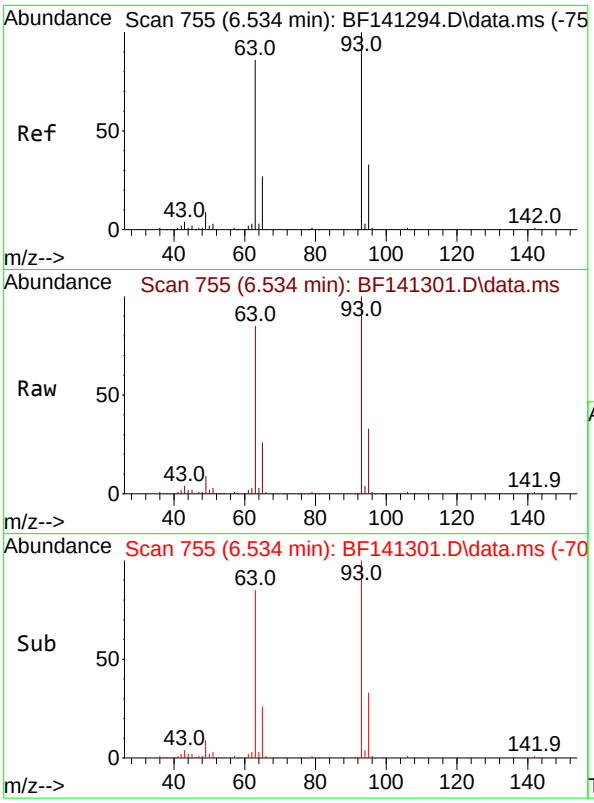


#10
Phenol
Concen: 37.734 ng
RT: 6.440 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 94 Resp: 485474

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.8	50.8
66	43.8	23.3	63.3



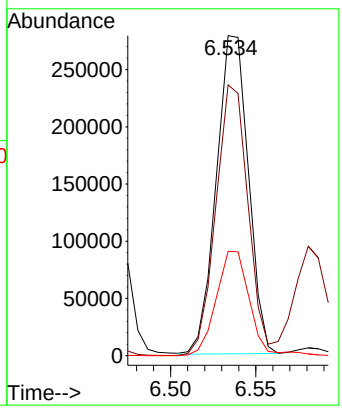


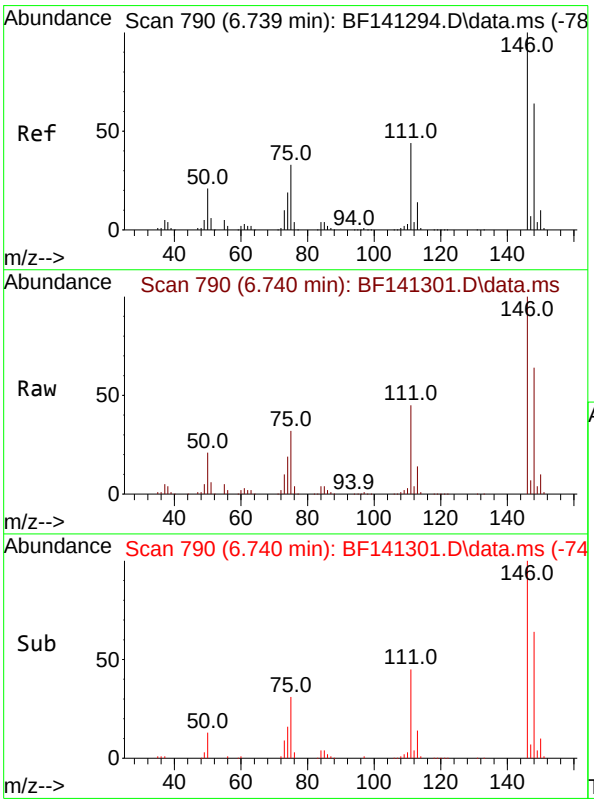
#11
bis(2-Chloroethyl)ether
Concen: 36.896 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 363969

Ion	Ratio	Lower	Upper
93	100		
63	84.6	65.0	105.0
95	32.6	12.4	52.4

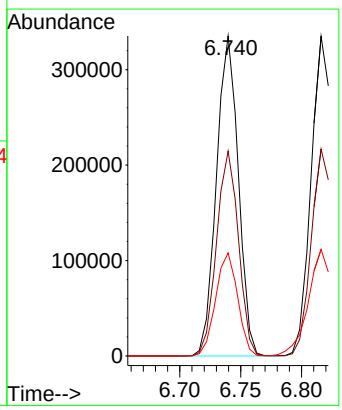


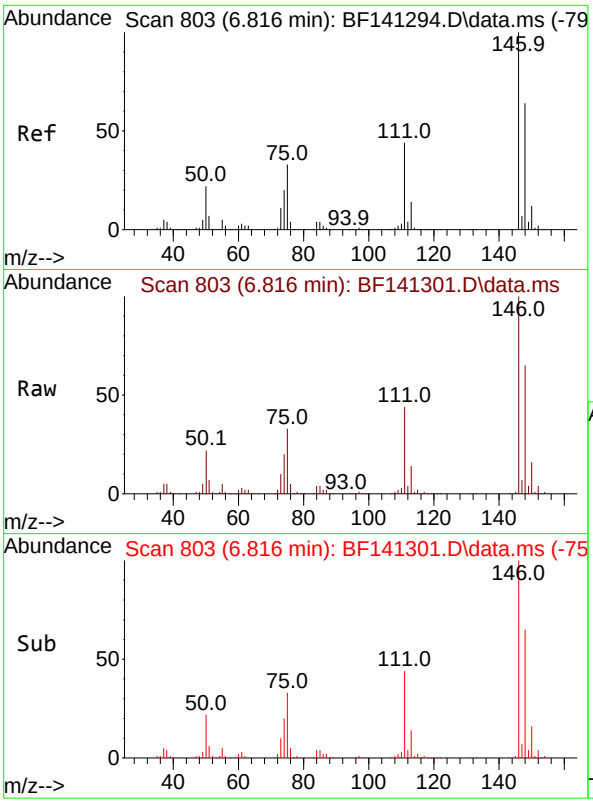


#12
1,3-Dichlorobenzene
Concen: 37.233 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:146 Resp: 419797

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	32.2	26.2	39.4



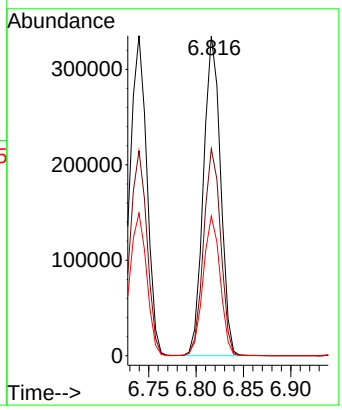


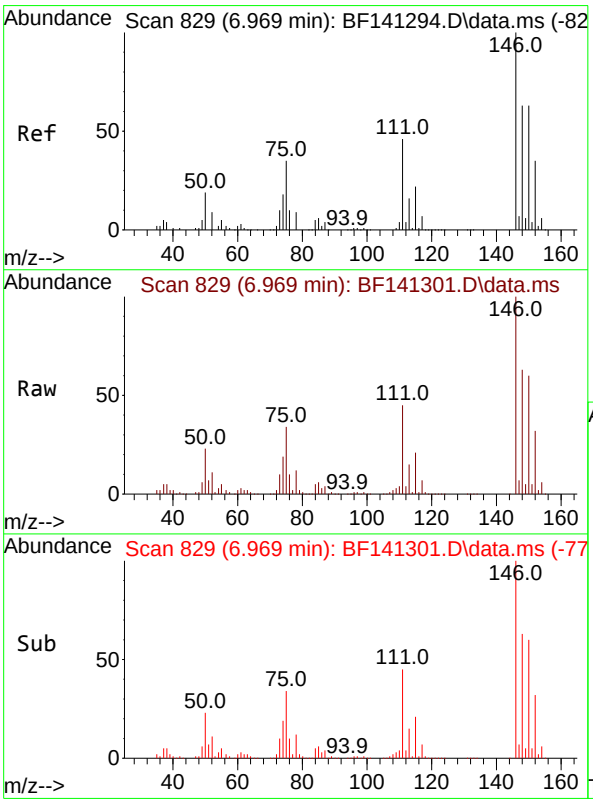
#13
1,4-Dichlorobenzene
Concen: 37.052 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 419682

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
111	43.6	35.0	52.4

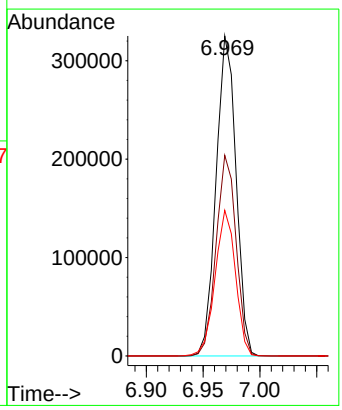


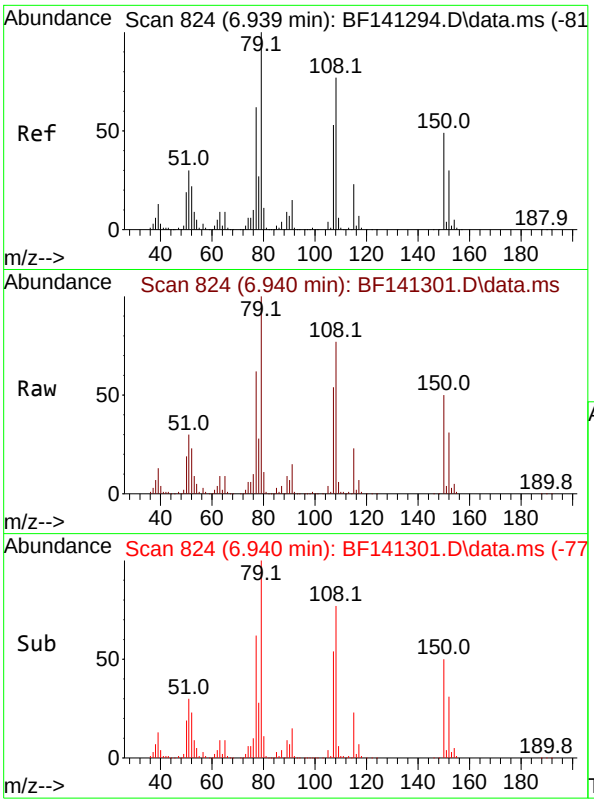


#14
1,2-Dichlorobenzene
Concen: 37.501 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:146 Resp: 397745

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.5	75.7
111	45.5	36.6	55.0



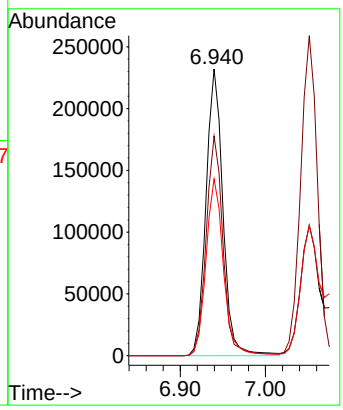


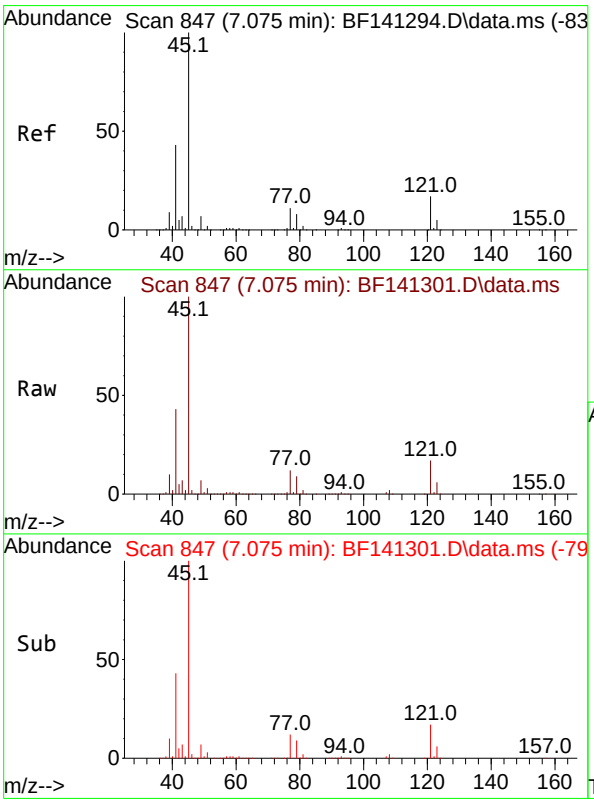
#15
Benzyl Alcohol
Concen: 38.584 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 320021

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.4	92.0
77	61.7	49.9	74.9

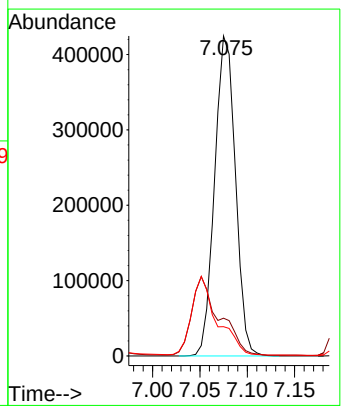


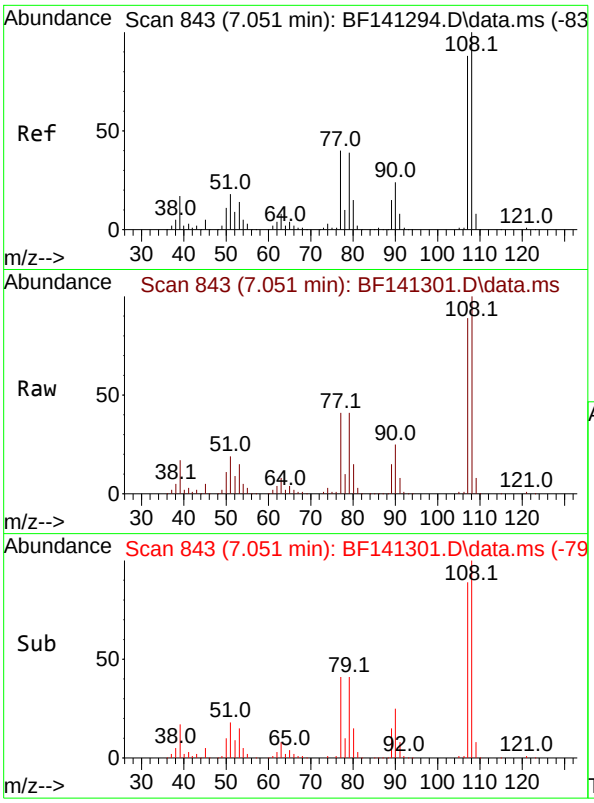


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.839 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 45 Resp: 649089

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.8
79	9.2	0.0	29.1



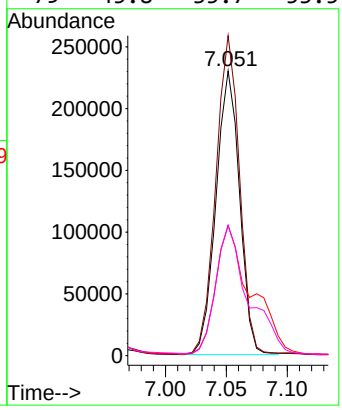


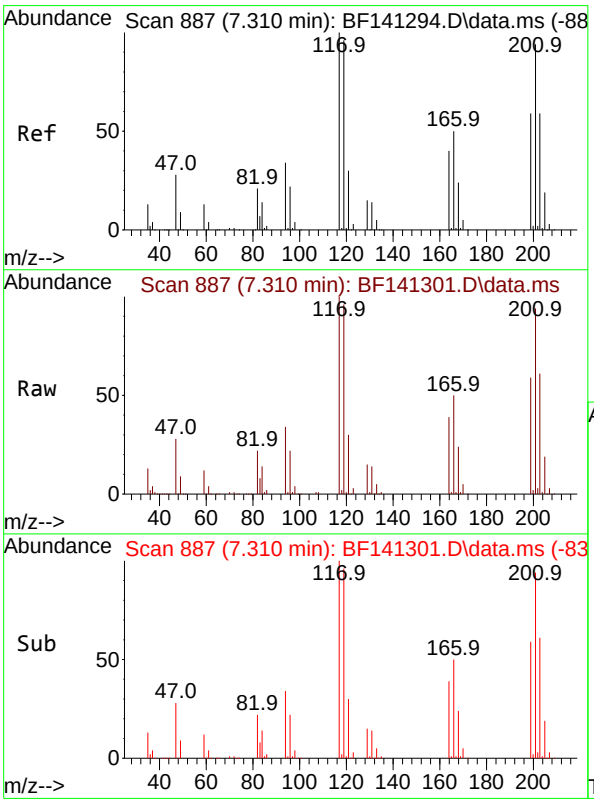
#17
2-Methylphenol
Concen: 37.247 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 309553

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.8	136.2
77	45.7	36.2	54.4
79	45.8	35.7	53.5

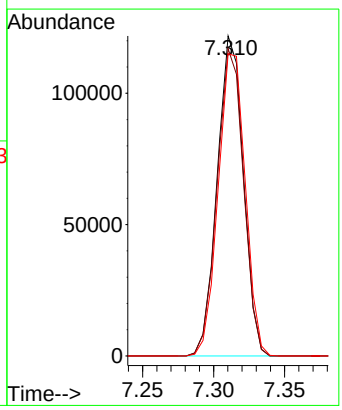


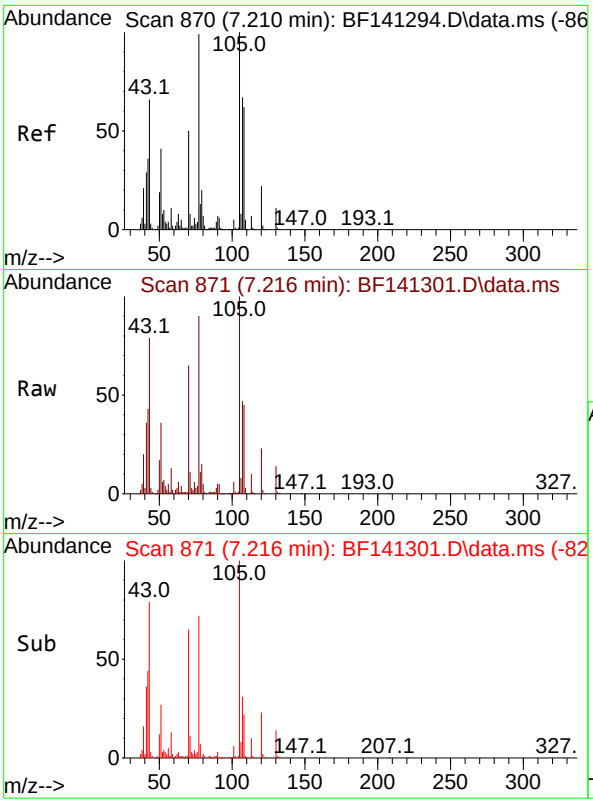


#18
Hexachloroethane
Concen: 37.348 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:117 Resp: 156061

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	94.5	74.8	112.2



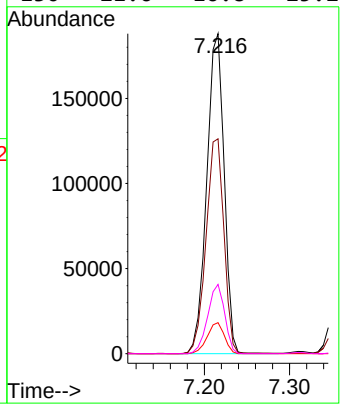


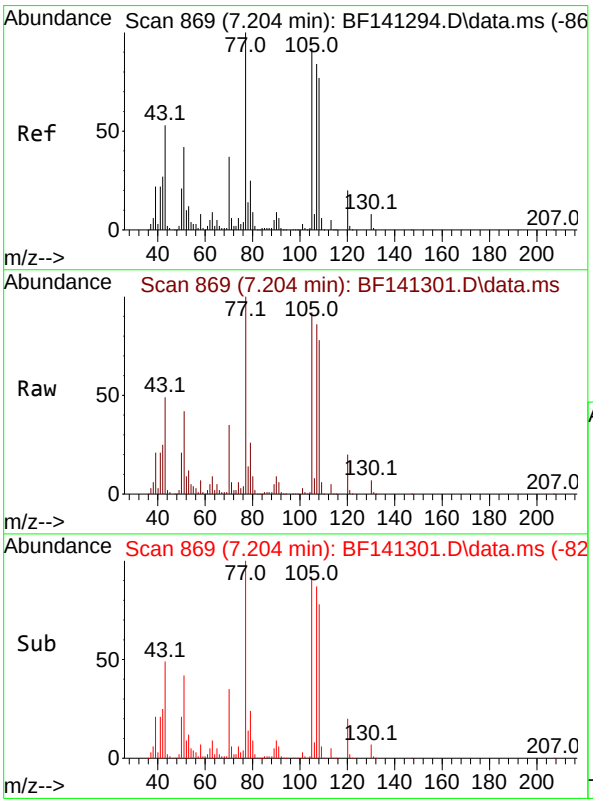
#19
n-Nitroso-di-n-propylamine
Concen: 37.005 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 266872

Ion	Ratio	Lower	Upper
70	100		
42	67.1	56.8	85.2
101	9.7	7.7	11.5
130	21.6	16.8	25.2

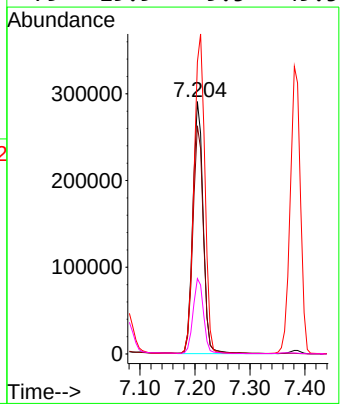


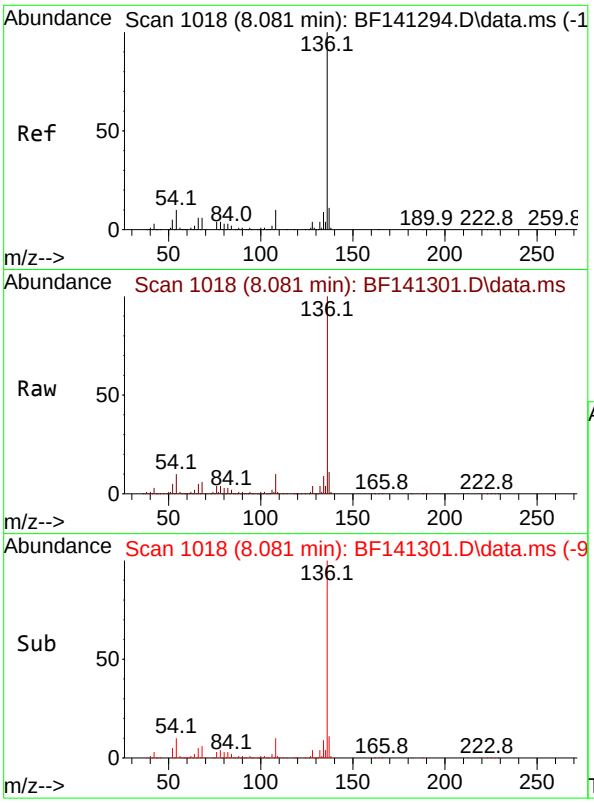


#20
3+4-Methylphenols
Concen: 37.247 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:107 Resp: 380083

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.9	110.9
77	115.7	98.5	138.5
79	29.9	9.5	49.5



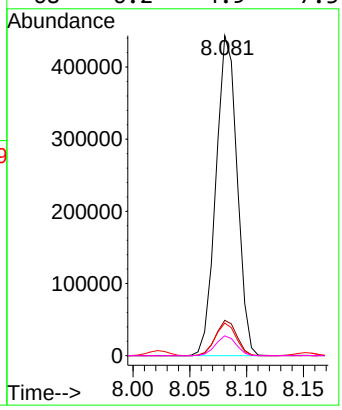


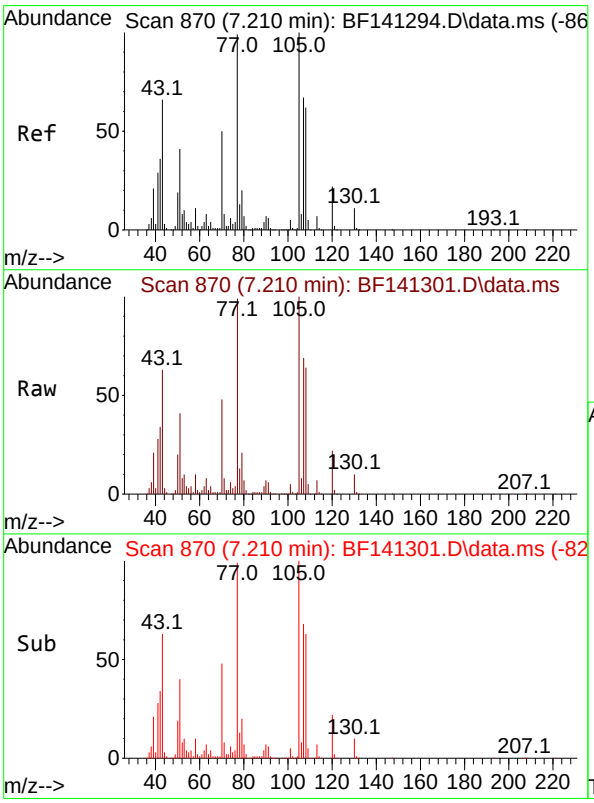
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 575983

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.2	7.8	11.8
68	6.2	4.9	7.3

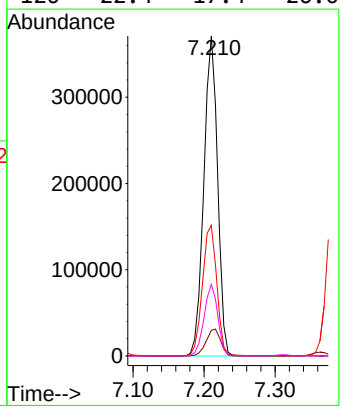


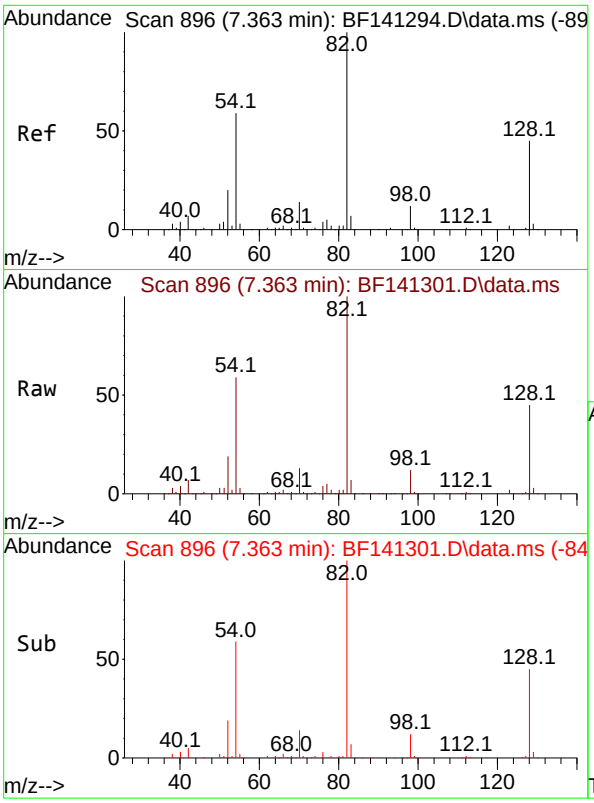


#22
Acetophenone
Concen: 36.587 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:105 Resp: 500914

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.8	10.2
51	40.8	32.6	49.0
120	22.4	17.4	26.0



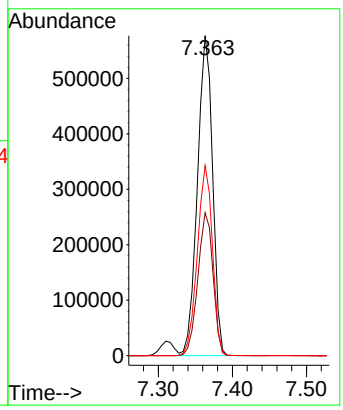


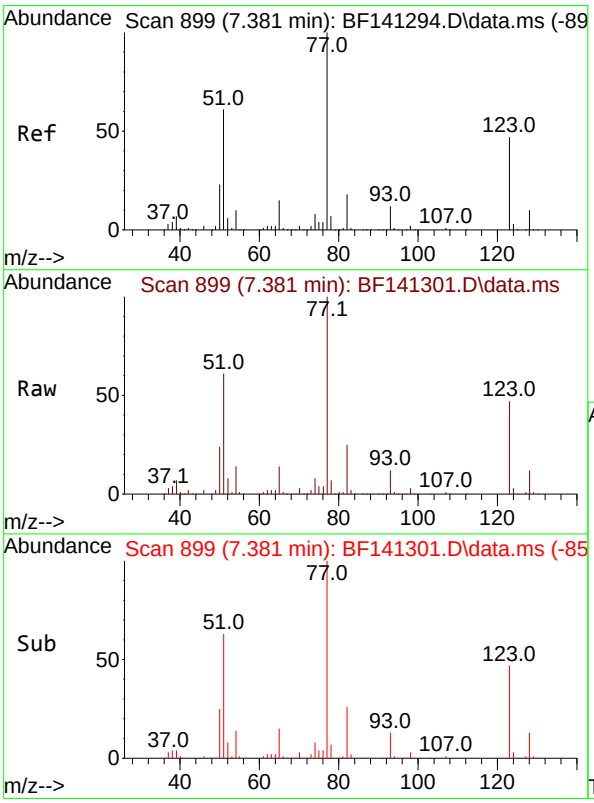
#23
Nitrobenzene-d5
Concen: 75.011 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 819573

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	59.3	47.1	70.7

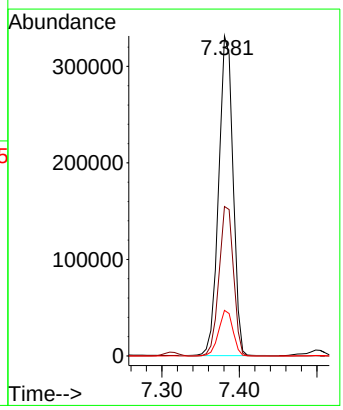


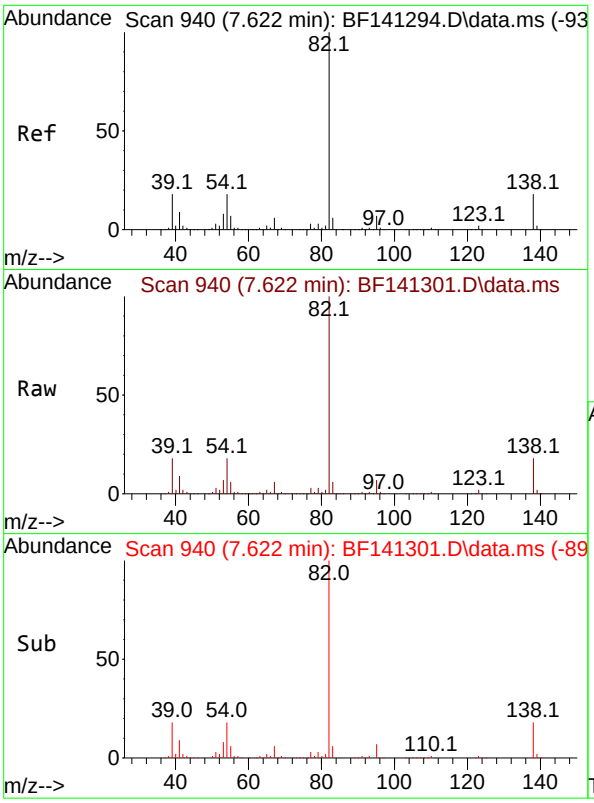


#24
Nitrobenzene
Concen: 37.656 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 77 Resp: 426364

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	14.2	11.8	17.6



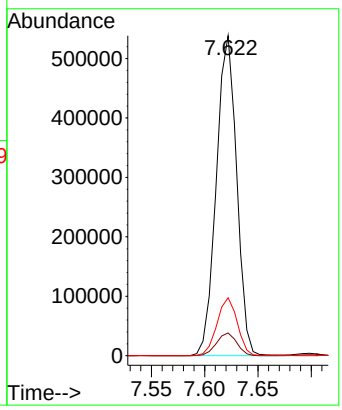


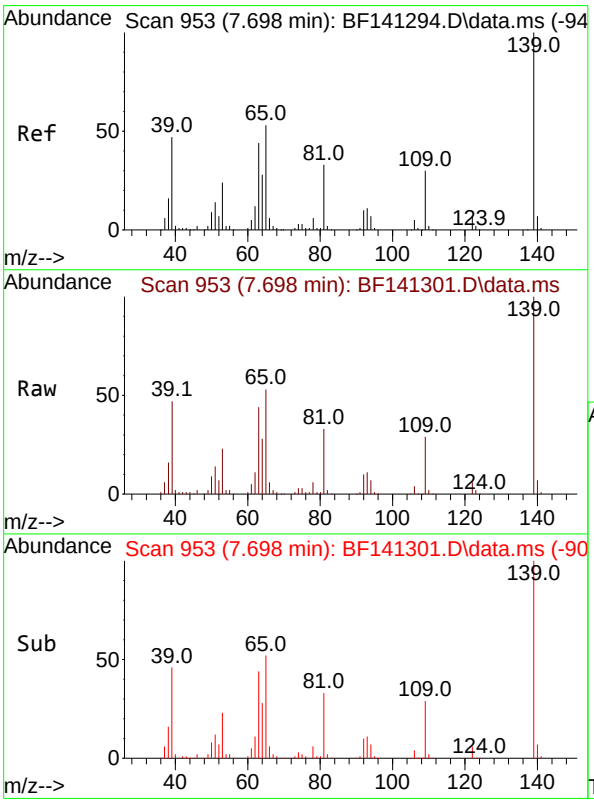
#25
Isophorone
Concen: 37.866 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 715169

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.1	14.7	22.1

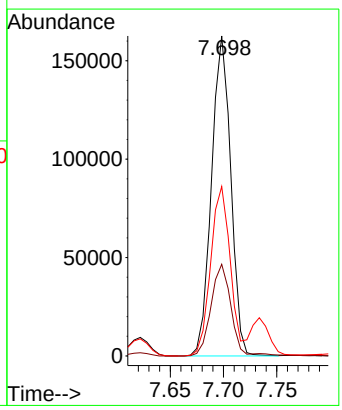


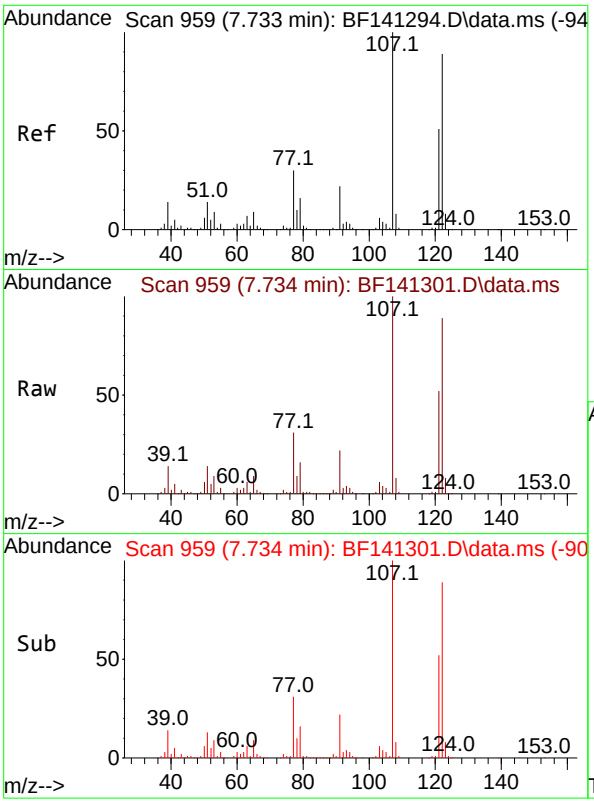


#26
2-Nitrophenol
Concen: 38.187 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:139 Resp: 203916

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.8	35.6
65	52.9	42.2	63.4



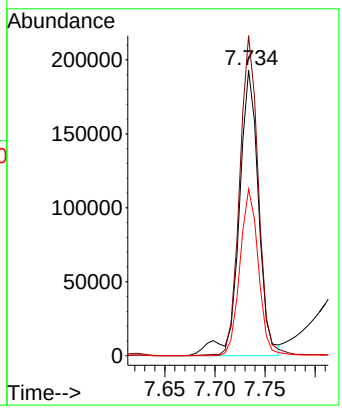


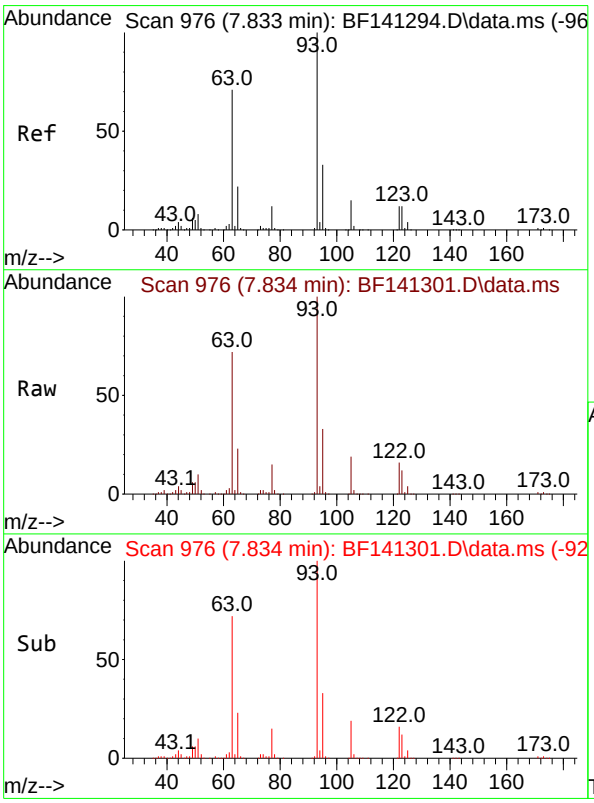
#27
2,4-Dimethylphenol
Concen: 38.454 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 261367

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.9	134.9
121	58.3	46.1	69.1

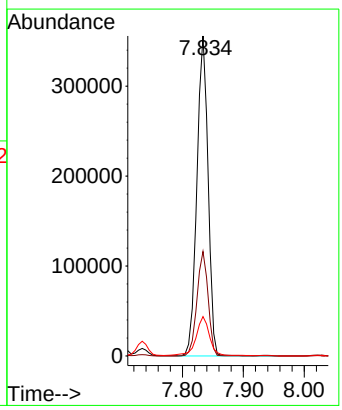


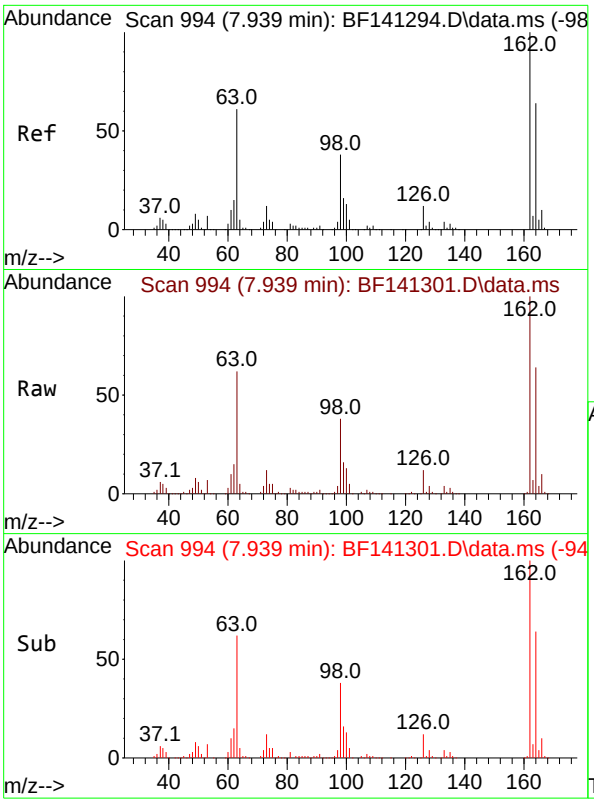


#28
bis(2-Chloroethoxy)methane
Concen: 37.666 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 93 Resp: 453765

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.2
123	12.3	10.2	15.4



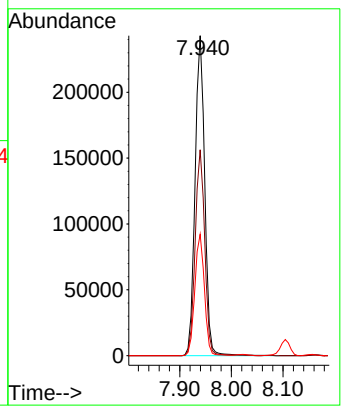


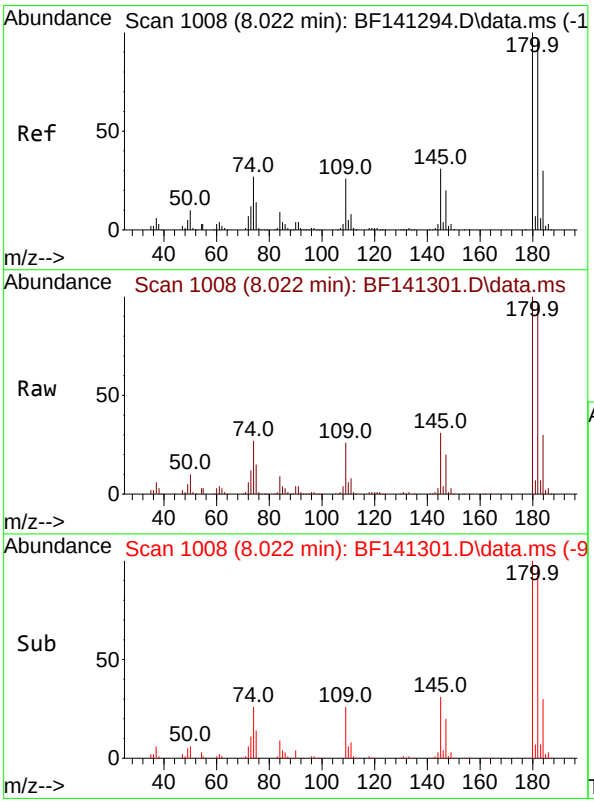
#29
2,4-Dichlorophenol
Concen: 37.822 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 314718

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.2	84.2
98	37.9	18.2	58.2

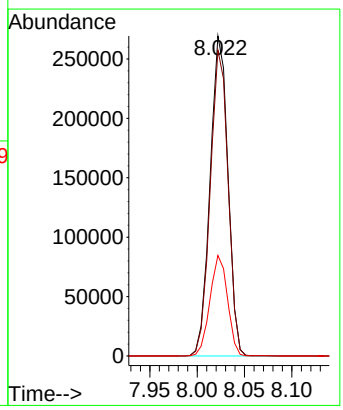


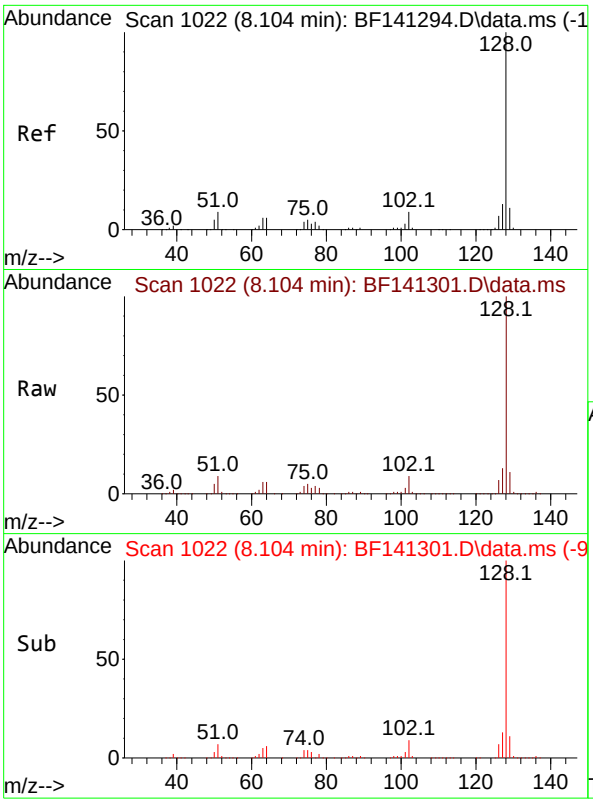


#30
1,2,4-Trichlorobenzene
Concen: 37.030 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:180 Resp: 351887

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	31.4	24.9	37.3



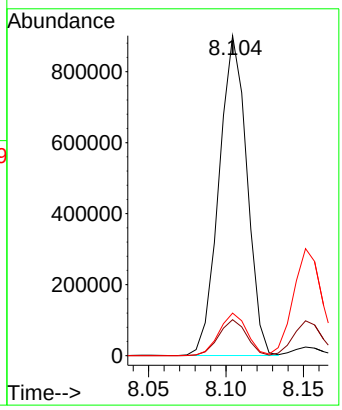


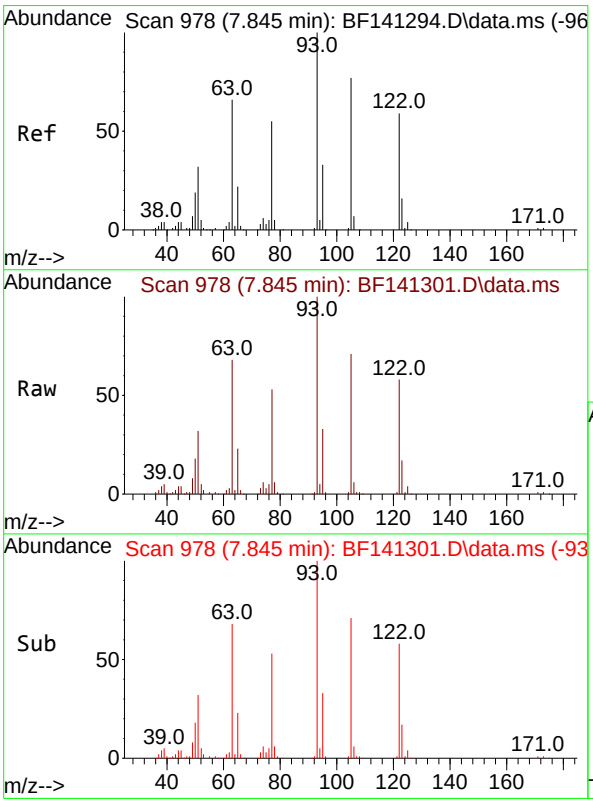
#31
Naphthalene
Concen: 37.109 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1129129

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	15.8

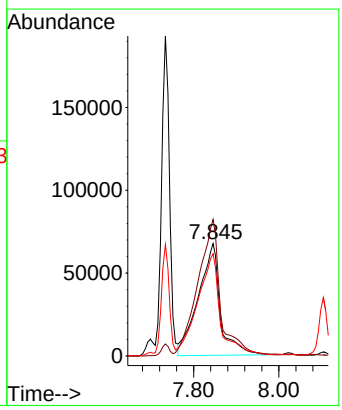


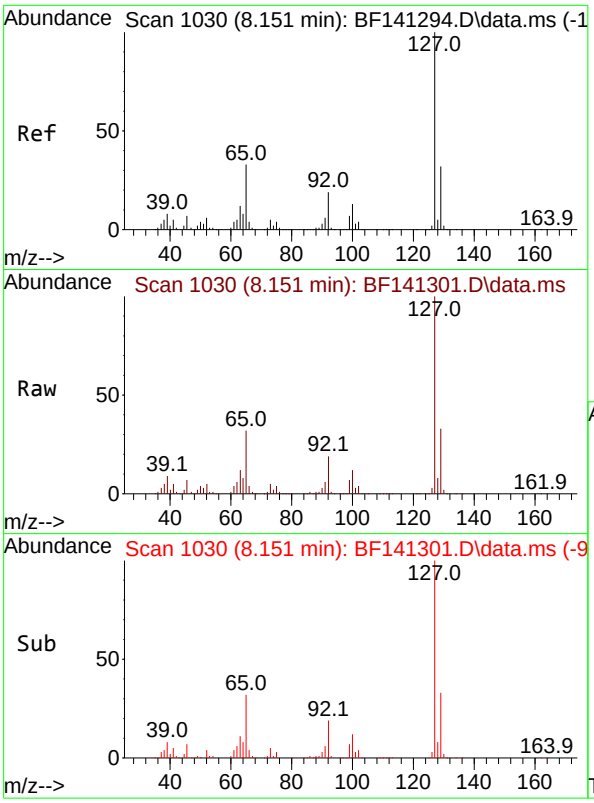


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:122 Resp: 242870

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.4	143.4
77	91.1	70.9	110.9



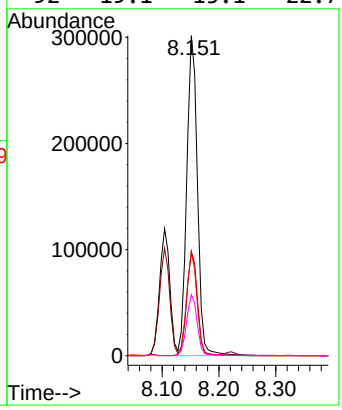


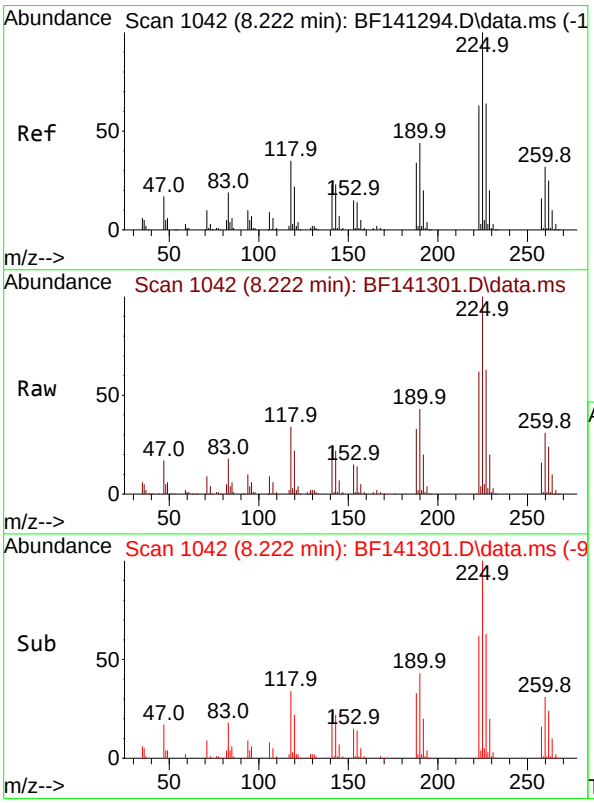
#33
4-Chloroaniline
Concen: 38.063 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 392735

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	32.2	26.4	39.6
92	19.1	15.1	22.7

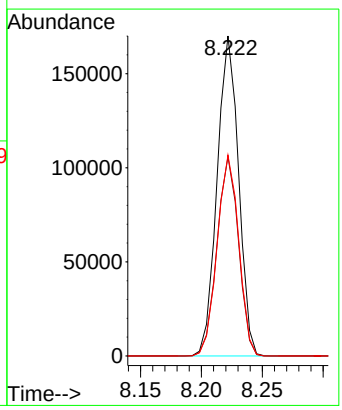


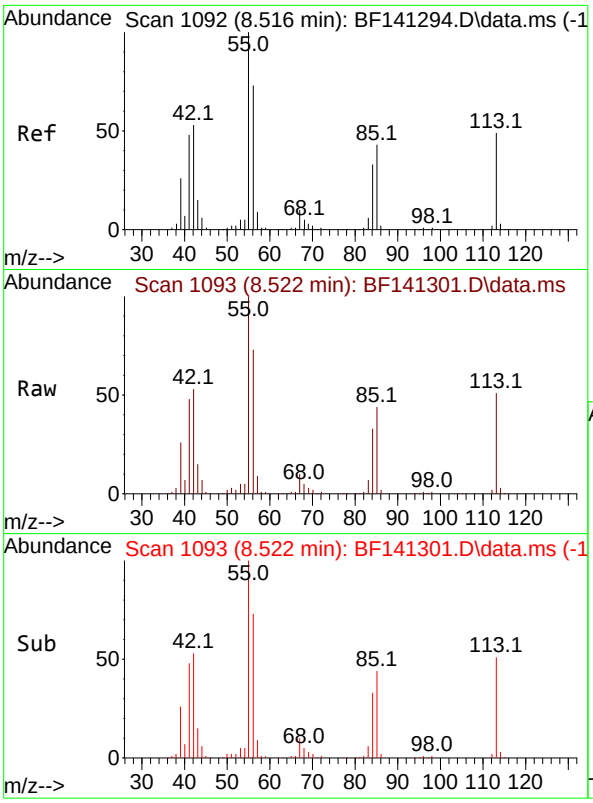


#34
Hexachlorobutadiene
Concen: 37.404 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:225 Resp: 208442

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.4	75.6
227	62.7	51.3	76.9



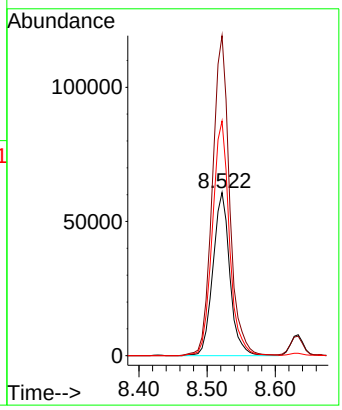


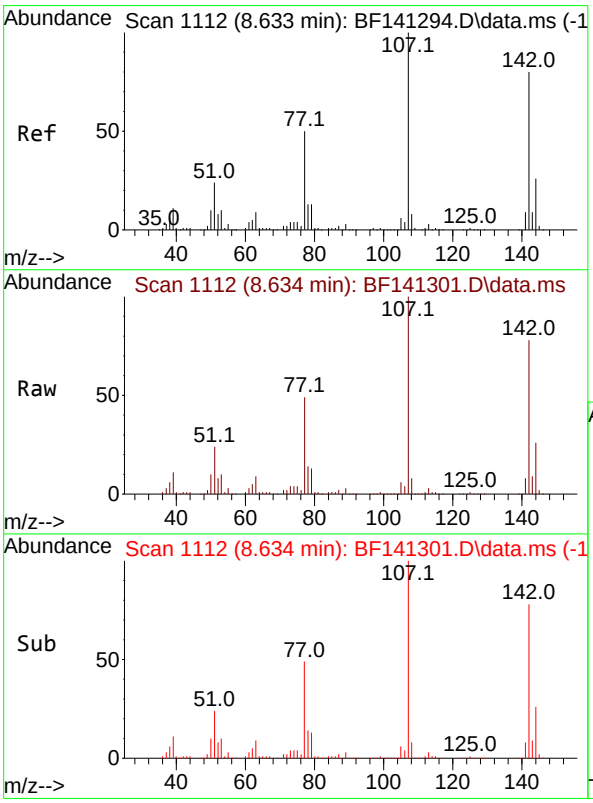
#35
Caprolactam
Concen: 38.592 ng
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 104874

Ion	Ratio	Lower	Upper
113	100		
55	196.0	182.9	222.9
56	143.8	127.9	167.9

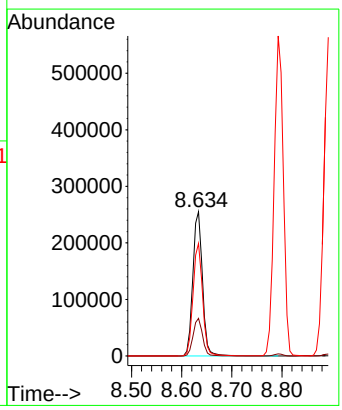


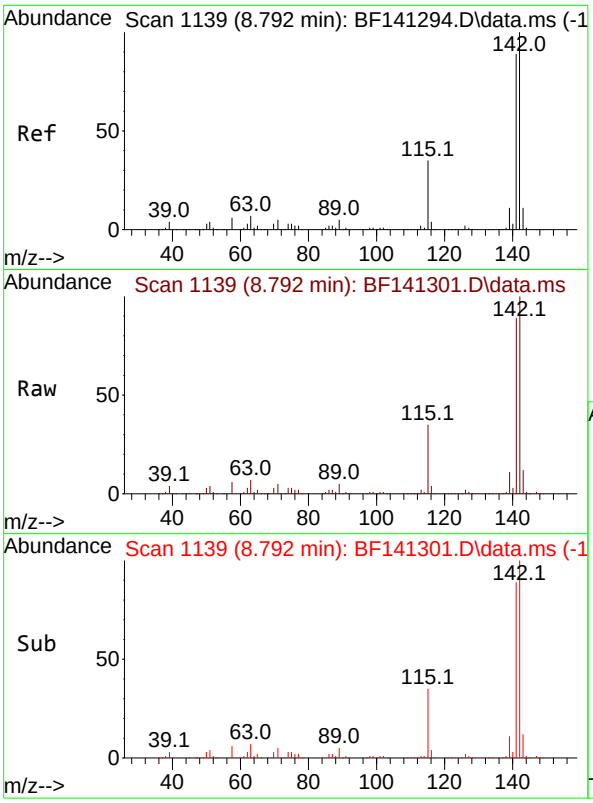


#36
4-Chloro-3-methylphenol
Concen: 38.080 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:107 Resp: 339876

Ion	Ratio	Lower	Upper
107	100		
144	26.1	20.7	31.1
142	78.0	63.8	95.8



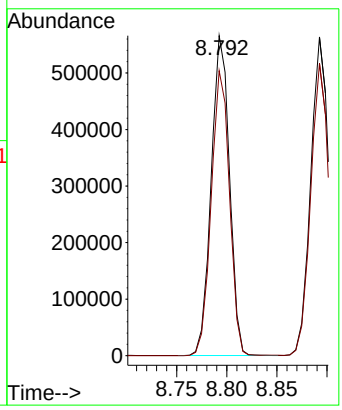


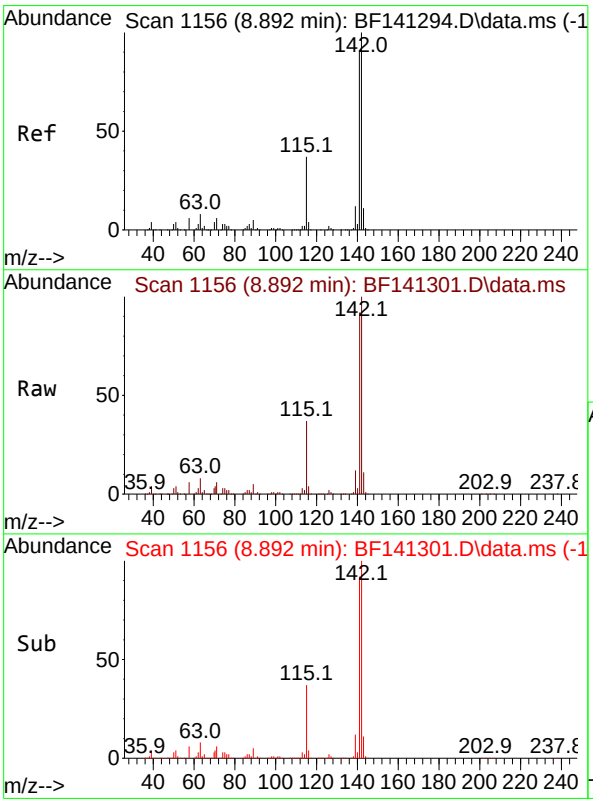
#37
2-Methylnaphthalene
Concen: 37.063 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 716771

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

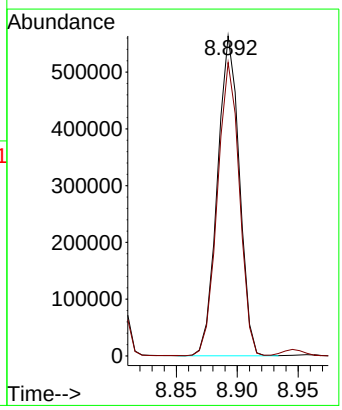


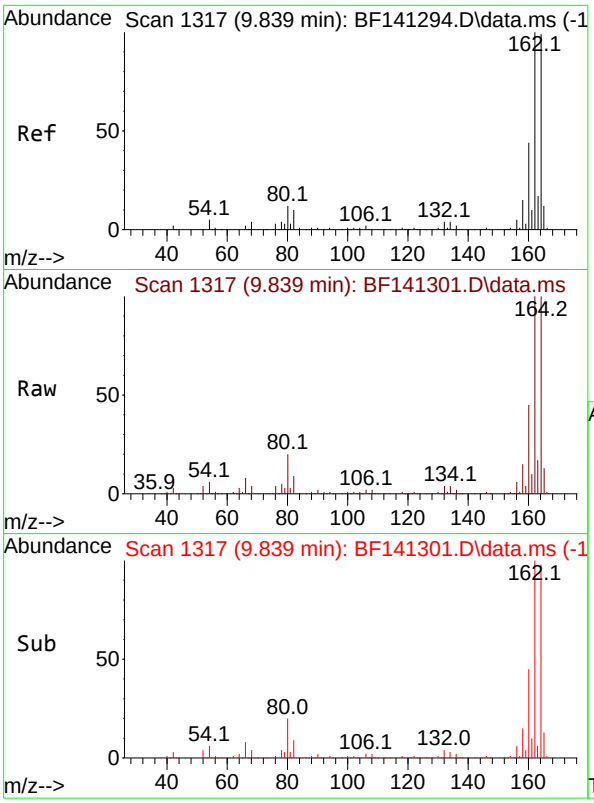


#38
1-Methylnaphthalene
Concen: 37.152 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:142 Resp: 705777

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.2	109.8



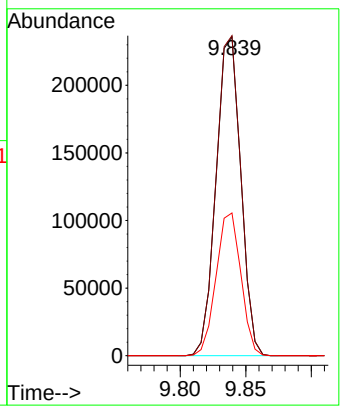


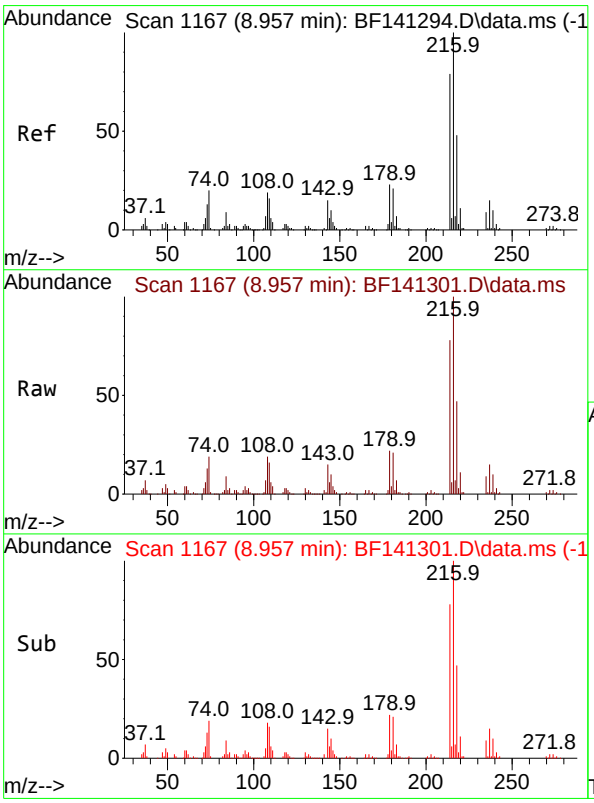
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 308835

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.7	35.8	53.6

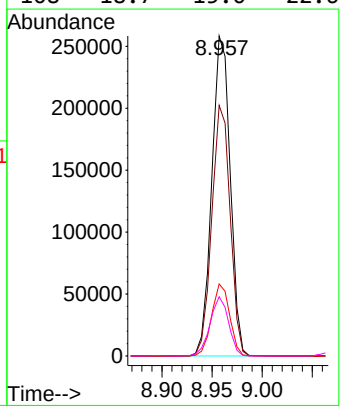


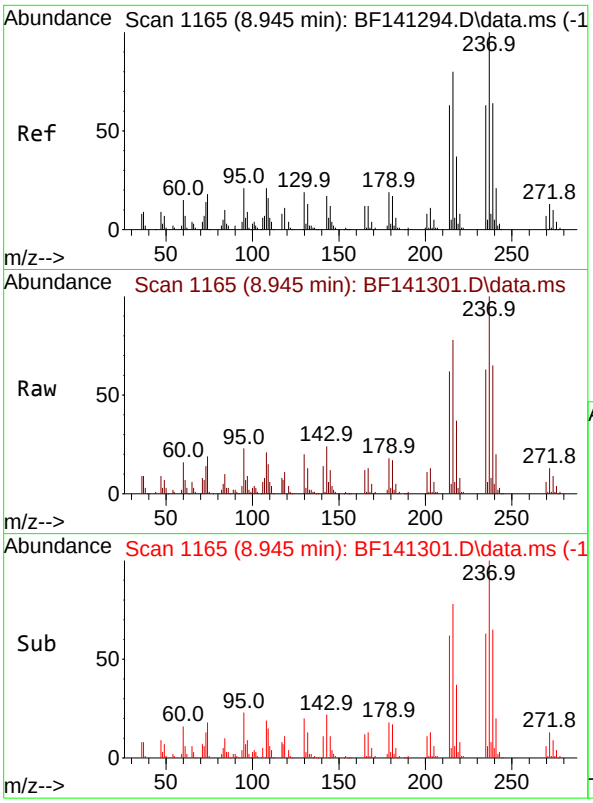


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.450 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:216 Resp: 329038

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	22.1	17.8	26.8
108	18.7	15.0	22.6



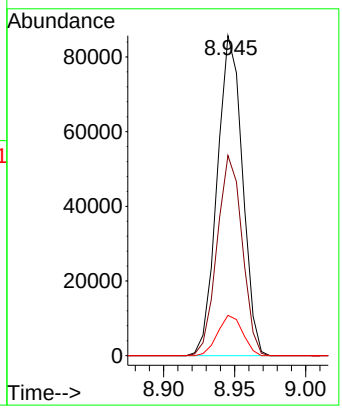


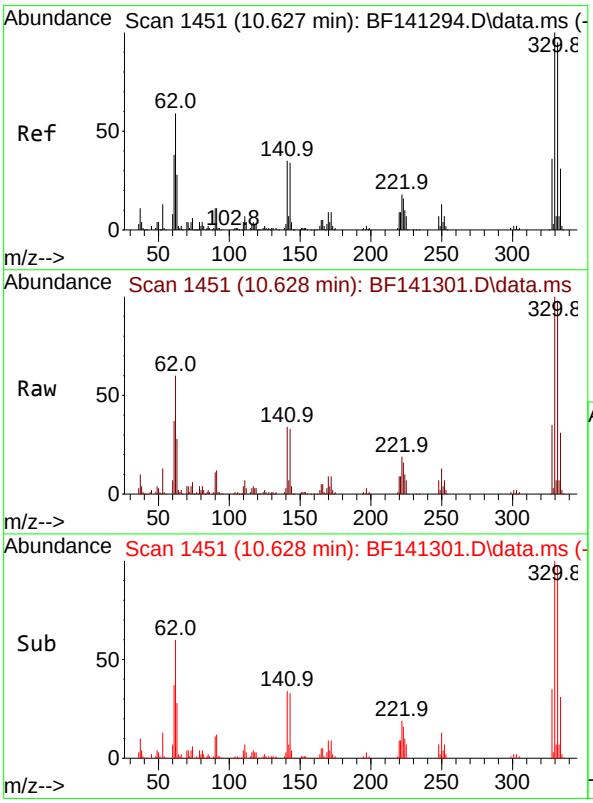
#41
Hexachlorocyclopentadiene
Concen: 40.862 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 106026

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.9	82.9
272	12.6	0.0	32.8

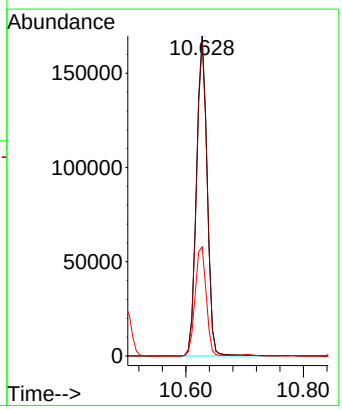


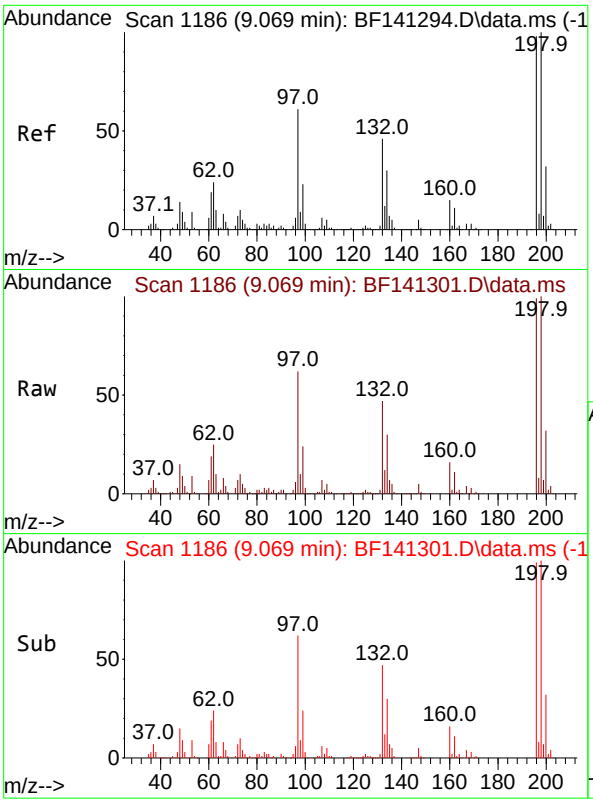


#42
2,4,6-Tribromophenol
Concen: 75.804 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:330 Resp: 214625

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.1	114.1
141	35.4	28.8	43.2



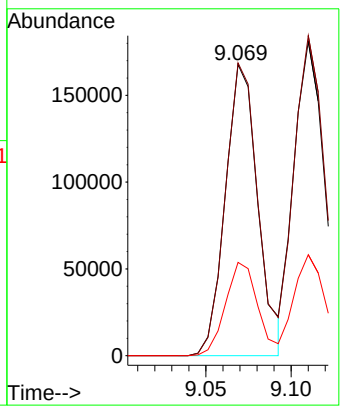


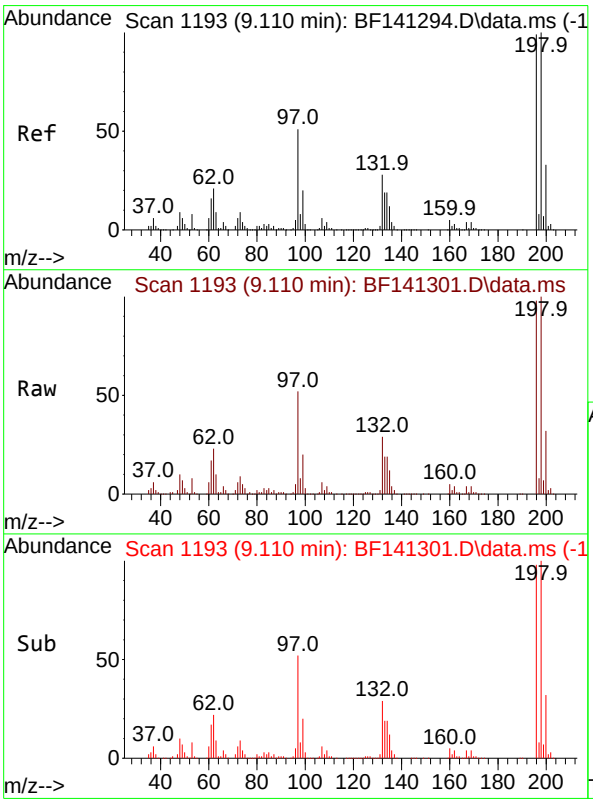
#43
2,4,6-Trichlorophenol
Concen: 38.755 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 222870

Ion	Ratio	Lower	Upper
196	100		
198	100.5	81.8	122.6
200	32.0	26.3	39.5

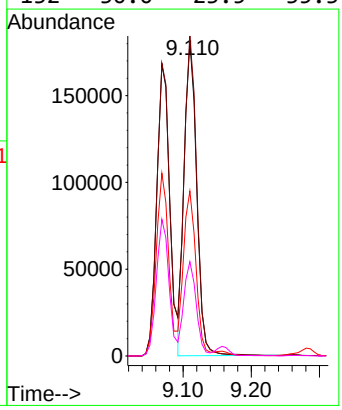


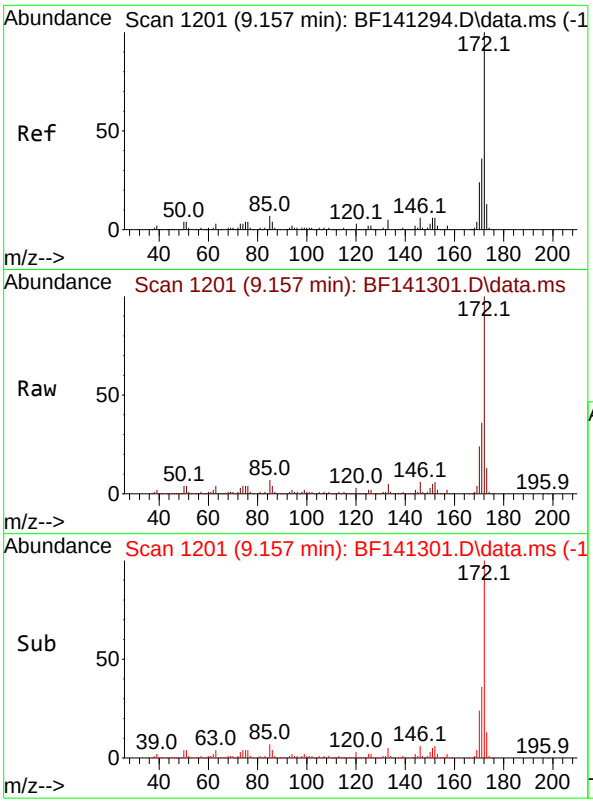


#44
2,4,5-Trichlorophenol
Concen: 36.919 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:196 Resp: 231078

Ion	Ratio	Lower	Upper
196	100		
198	101.8	80.5	120.7
97	52.4	42.8	64.2
132	30.0	23.5	35.3



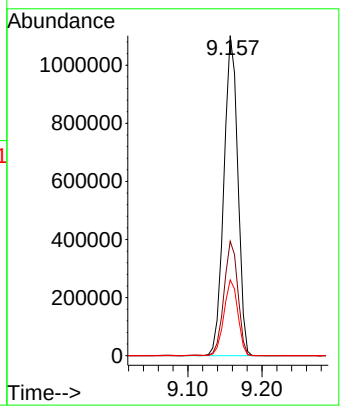


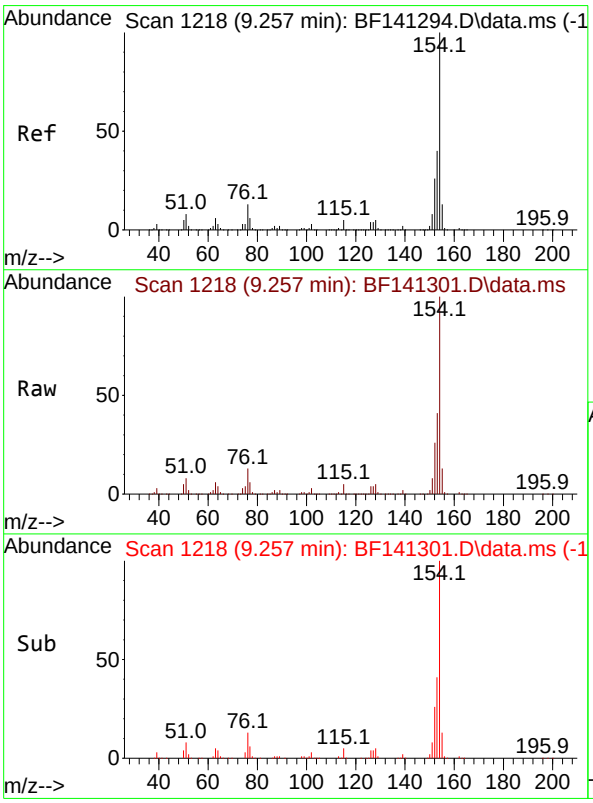
#45
2-Fluorobiphenyl
Concen: 71.765 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1439957

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.7	19.0	28.6

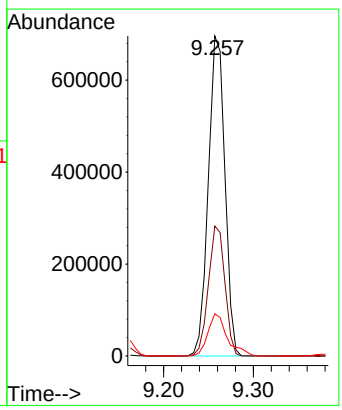


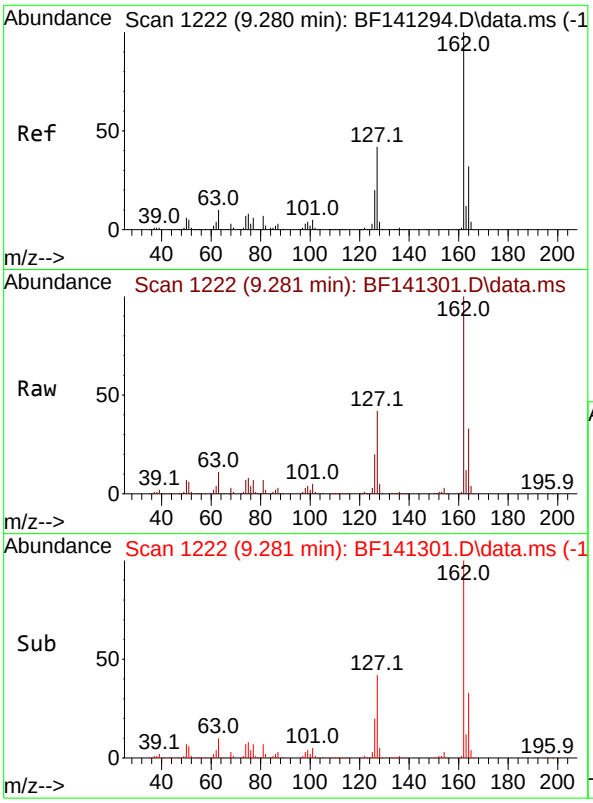


#46
1,1'-Biphenyl
Concen: 37.042 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:154 Resp: 892160

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.0	60.0
76	13.2	0.0	32.8



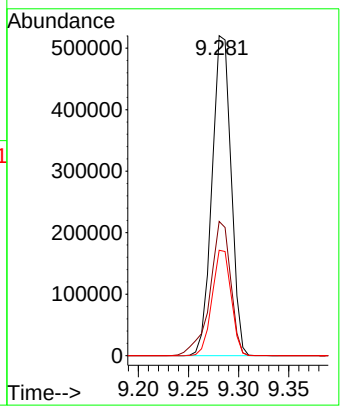


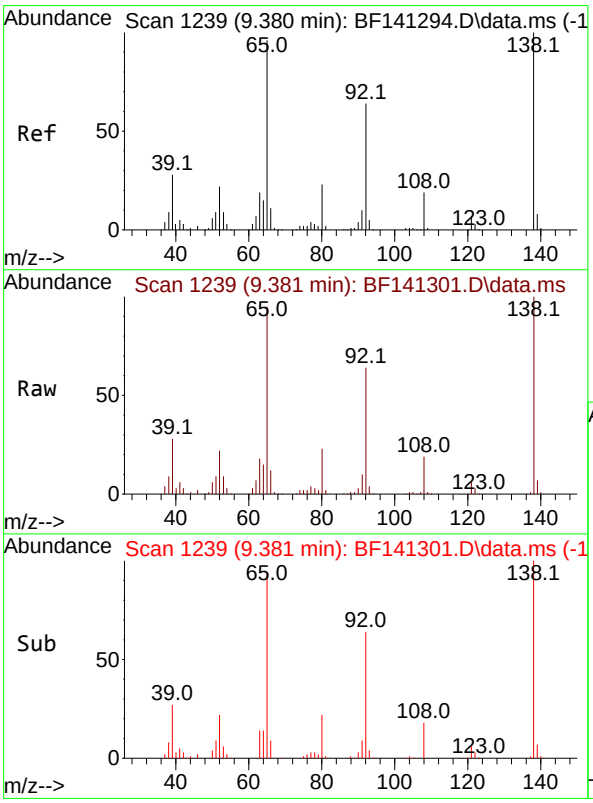
#47
2-Chloronaphthalene
Concen: 36.699 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 688957

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	33.0	25.9	38.9

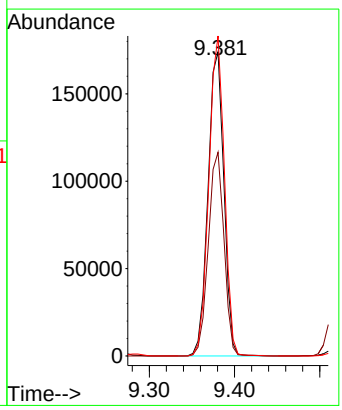


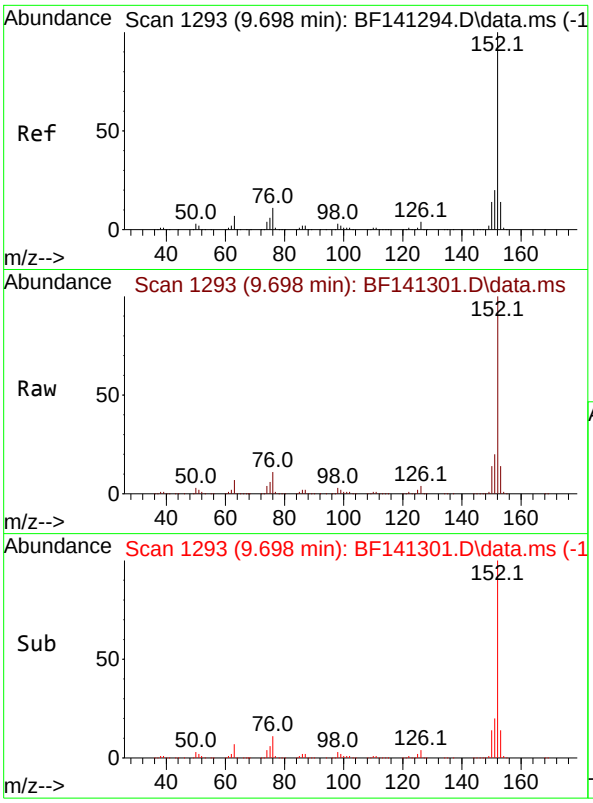


#48
2-Nitroaniline
Concen: 38.111 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion: 65 Resp: 225042

Ion	Ratio	Lower	Upper
65	100		
92	67.0	53.3	79.9
138	105.2	83.6	125.4



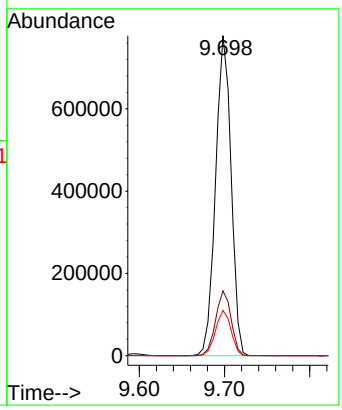


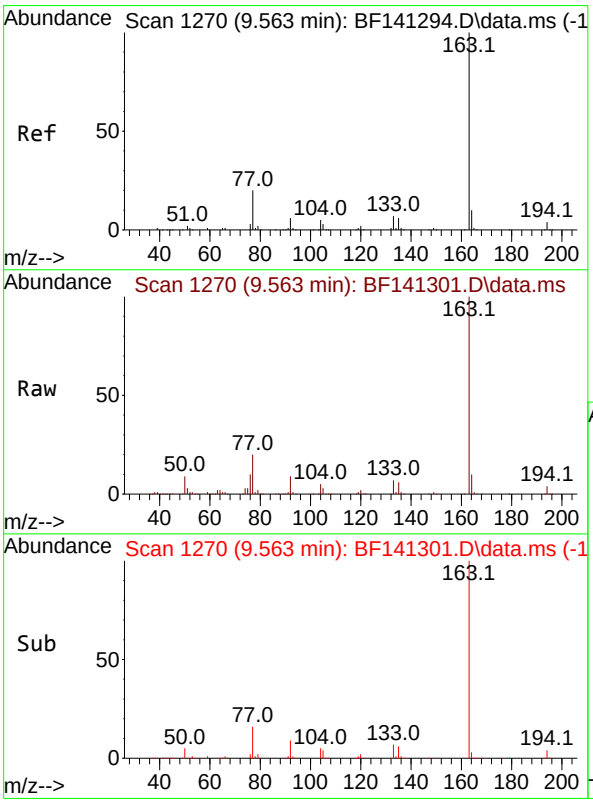
#49
Acenaphthylene
Concen: 37.463 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 984505

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	14.2	11.0	16.6

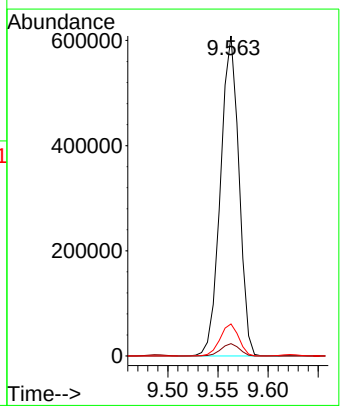


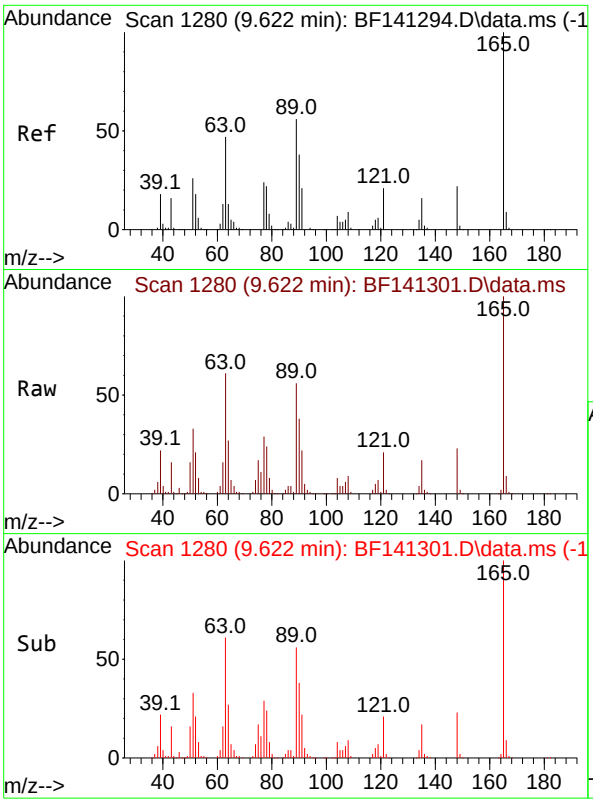


#50
Dimethylphthalate
Concen: 37.298 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:163 Resp: 777984

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.0	8.0	12.0



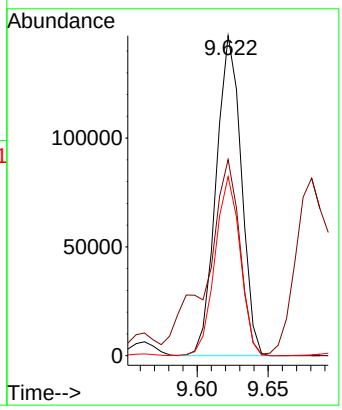


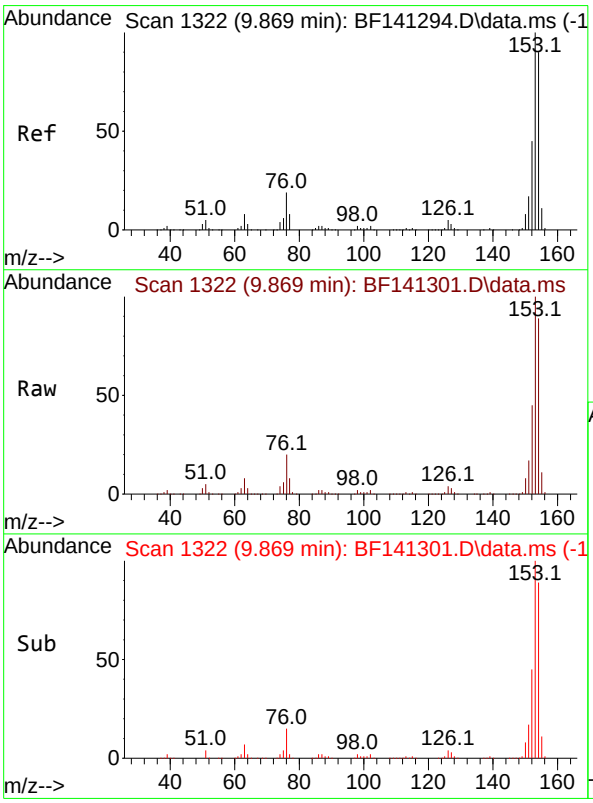
#51
2,6-Dinitrotoluene
Concen: 37.386 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 181065

Ion	Ratio	Lower	Upper
165	100		
63	61.3	48.1	72.1
89	56.0	44.9	67.3

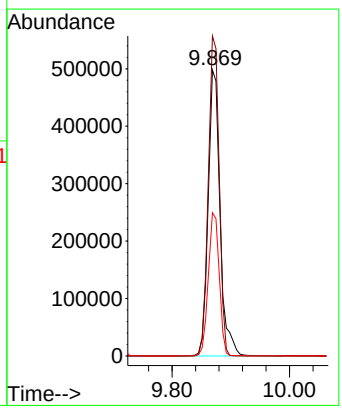


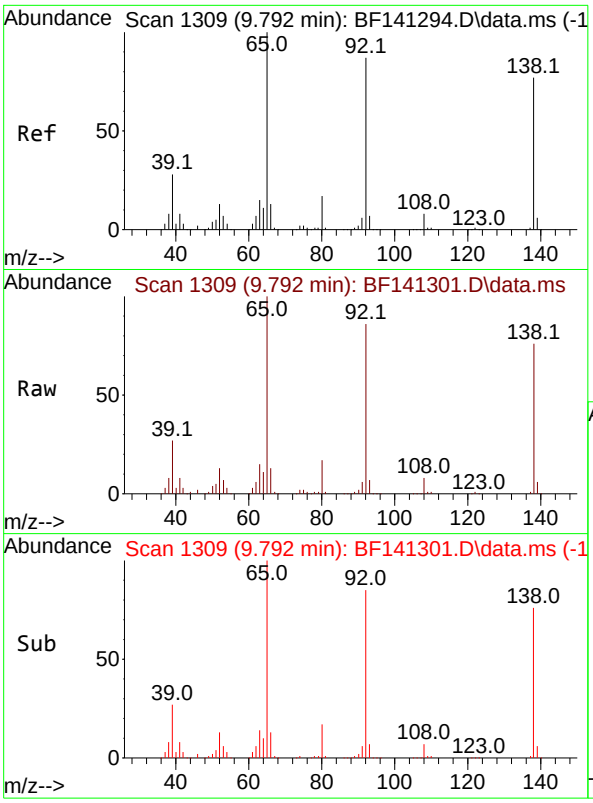


#52
Acenaphthene
Concen: 37.171 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:154 Resp: 697843

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	50.1	40.2	60.4



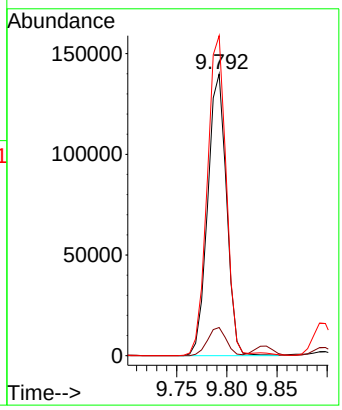


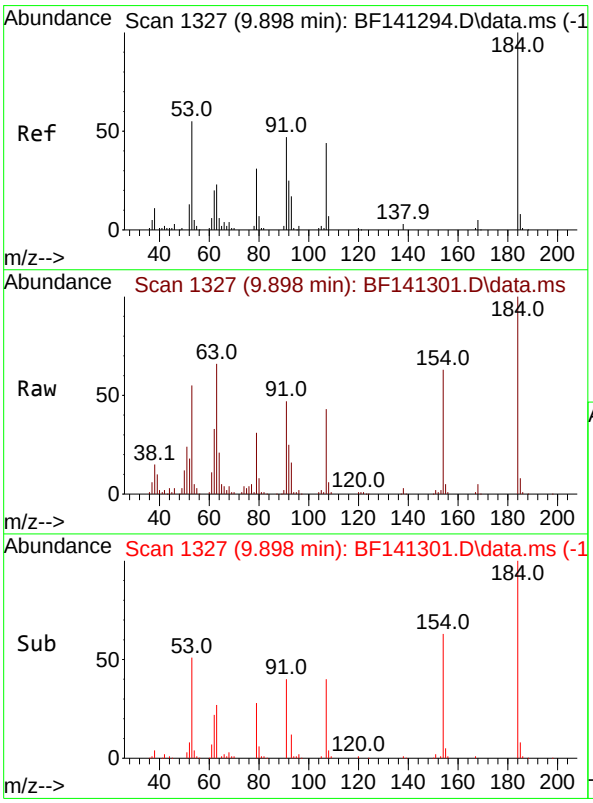
#53
3-Nitroaniline
Concen: 38.456 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 182543

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.6	12.8
92	113.6	91.0	136.6

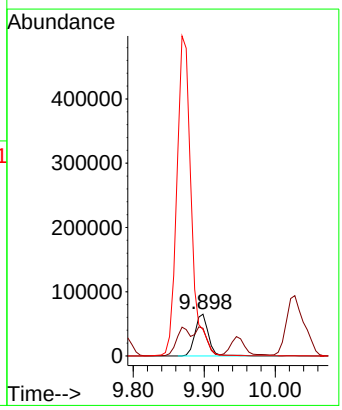


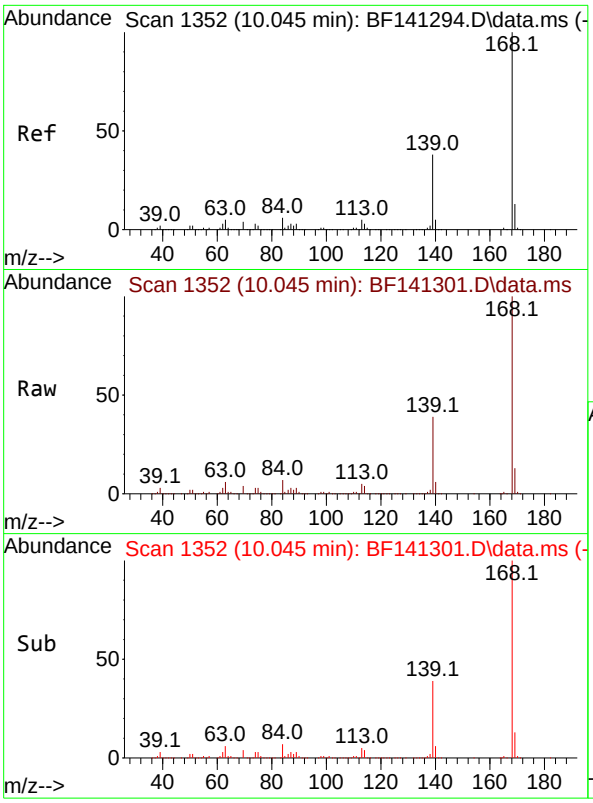


#54
2,4-Dinitrophenol
Concen: 38.081 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:184 Resp: 85734

Ion	Ratio	Lower	Upper
184	100		
63	66.0	54.1	81.1
154	63.0	50.7	76.1



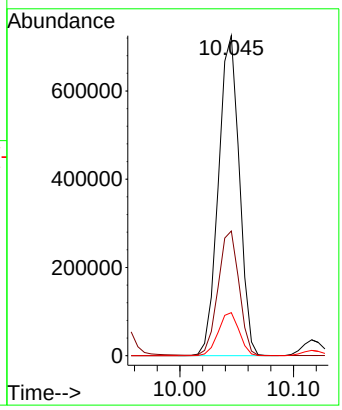


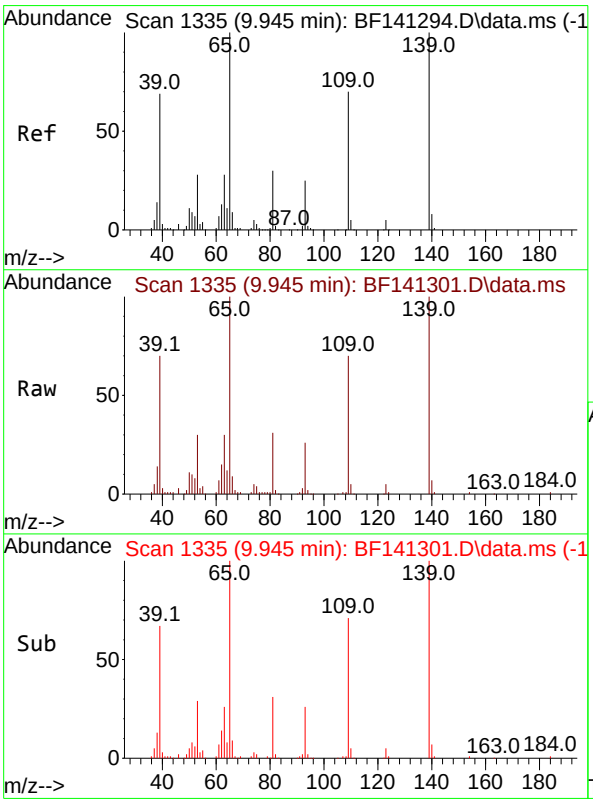
#55
Dibenzofuran
Concen: 36.923 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 927873

Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.6	46.0
169	13.4	10.8	16.2

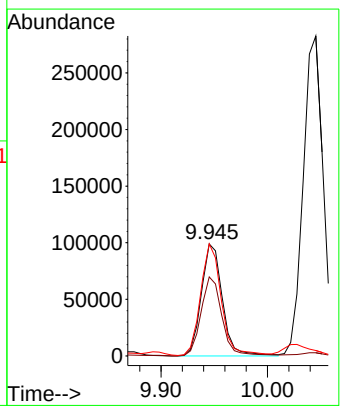


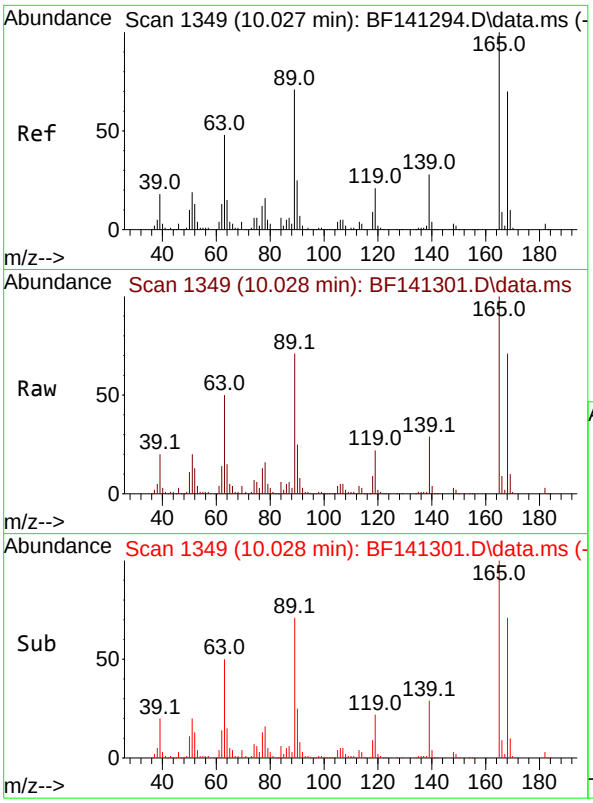


#56
4-Nitrophenol
Concen: 39.302 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:139 Resp: 136436

Ion	Ratio	Lower	Upper
139	100		
109	70.6	50.2	90.2
65	100.1	80.6	120.6



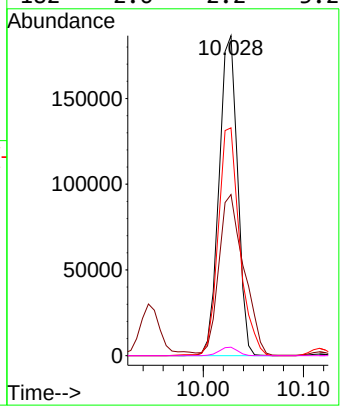


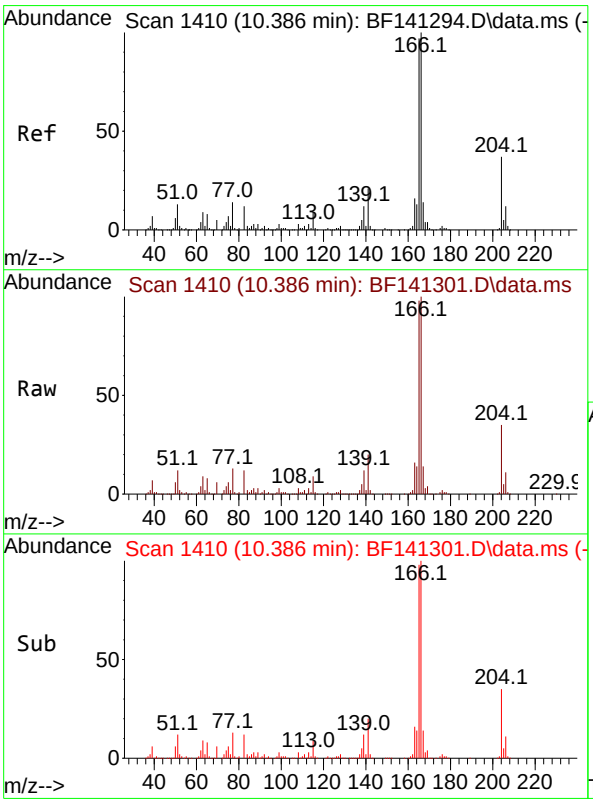
#57
2,4-Dinitrotoluene
Concen: 38.142 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 239168

Ion	Ratio	Lower	Upper
165	100		
63	50.4	39.2	58.8
89	71.2	56.9	85.3
182	2.6	2.2	3.2

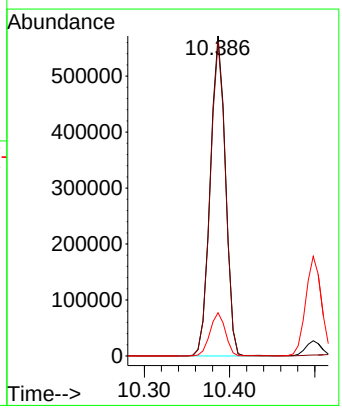


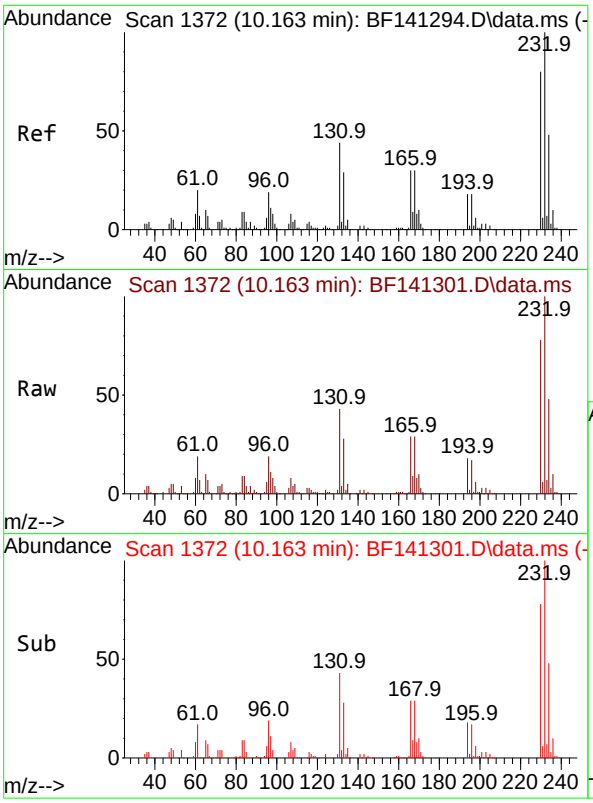


#58
Fluorene
Concen: 36.459 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:166 Resp: 710687

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.5	116.3
167	13.5	10.9	16.3



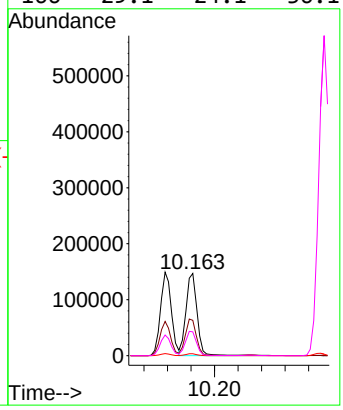


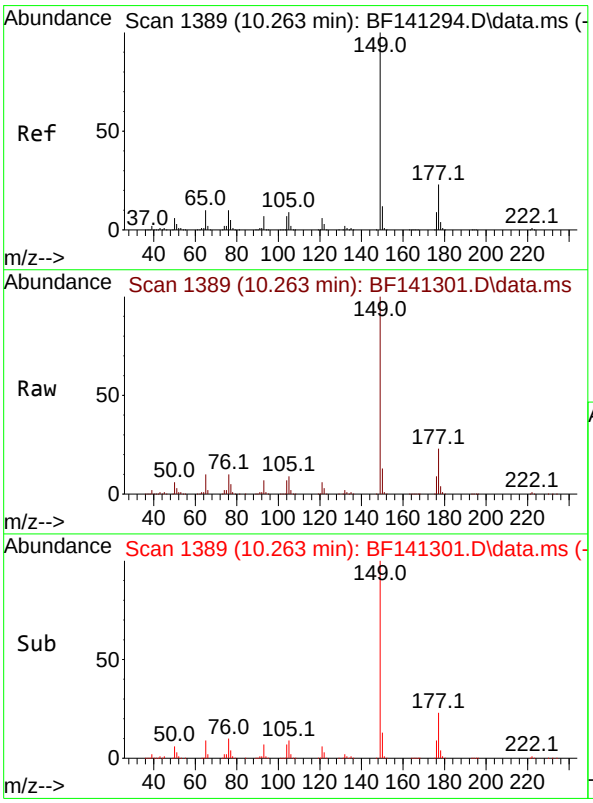
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.118 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 192623

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.4	54.6
130	2.3	1.9	2.9
166	29.1	24.1	36.1

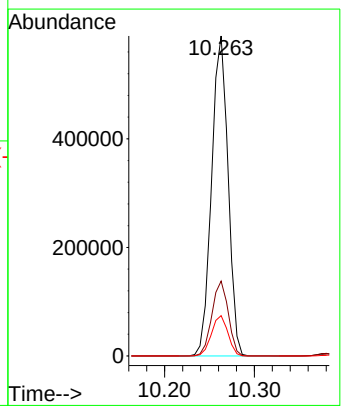


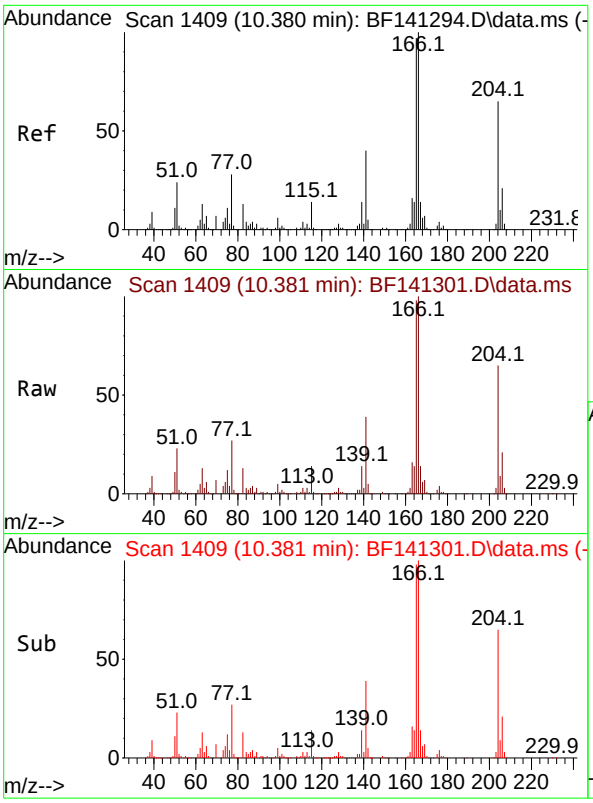


#60
Diethylphthalate
Concen: 37.157 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 751491

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.5	27.7
150	12.6	10.0	15.0



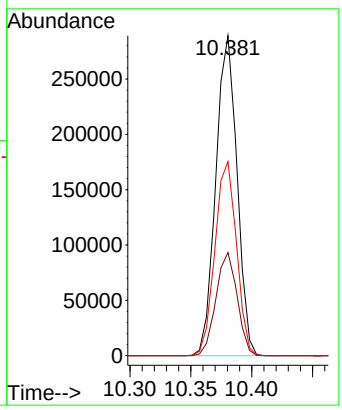


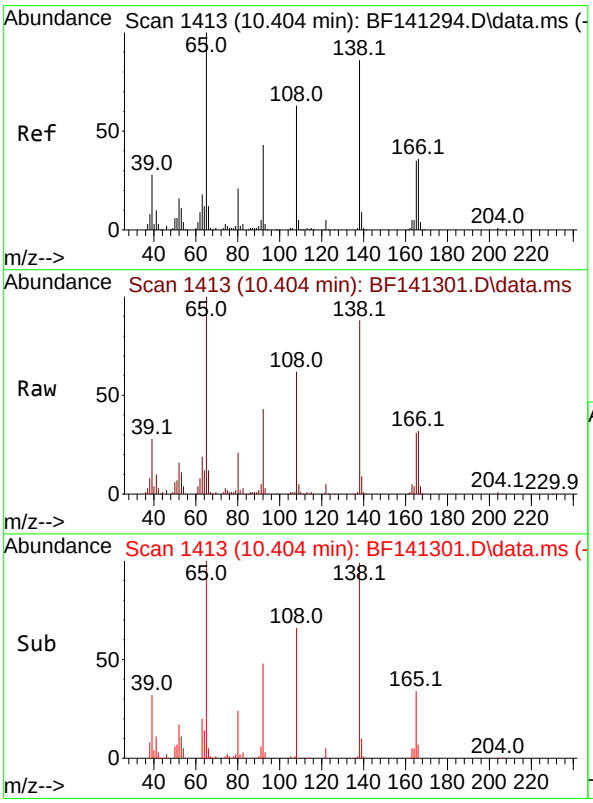
#61
4-Chlorophenyl-phenylether
Concen: 36.875 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 351110

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	60.7	49.5	74.3

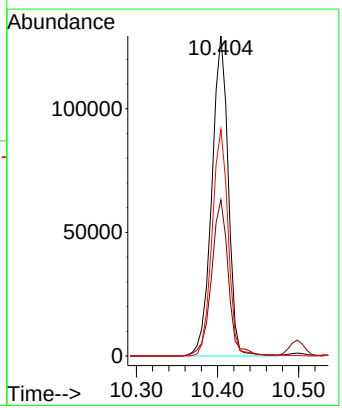


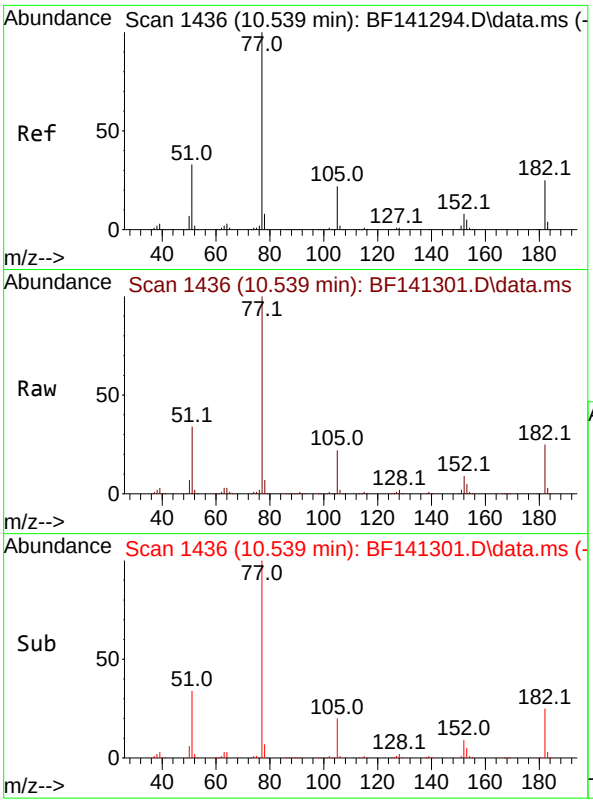


#62
4-Nitroaniline
Concen: 38.976 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:138 Resp: 181893

Ion	Ratio	Lower	Upper
138	100		
92	48.8	30.1	70.1
108	70.8	53.1	93.1



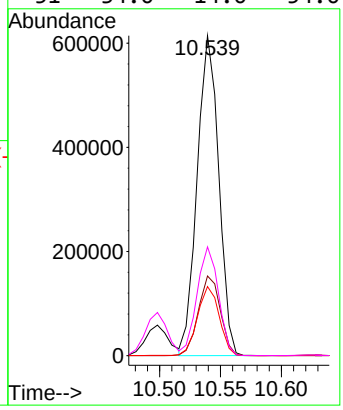


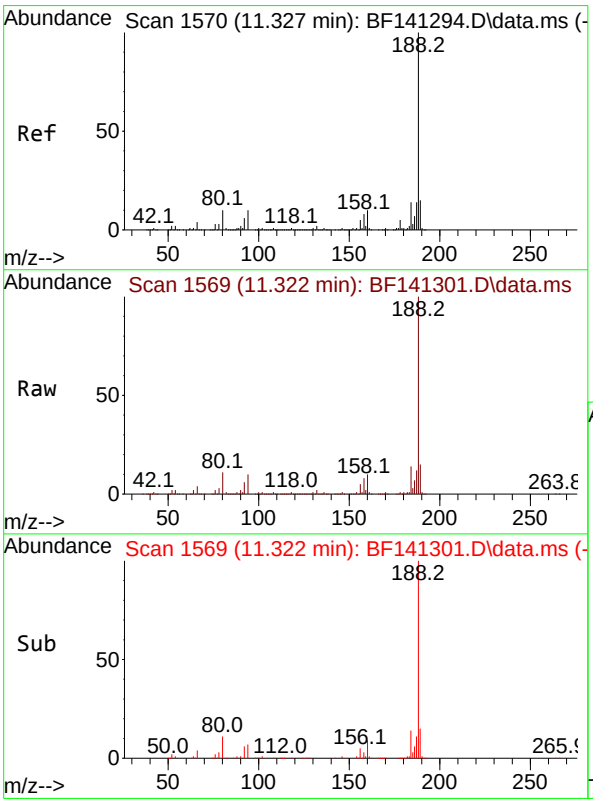
#63
Azobenzene
Concen: 37.363 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 756407

Ion	Ratio	Lower	Upper
77	100		
182	24.9	5.1	45.1
105	21.6	1.8	41.8
51	34.0	14.0	54.0

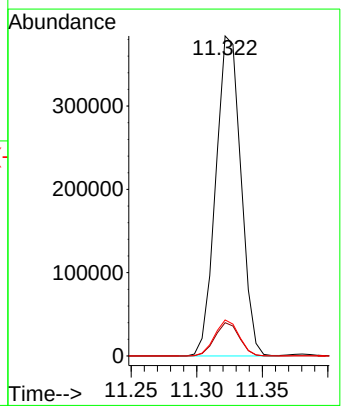


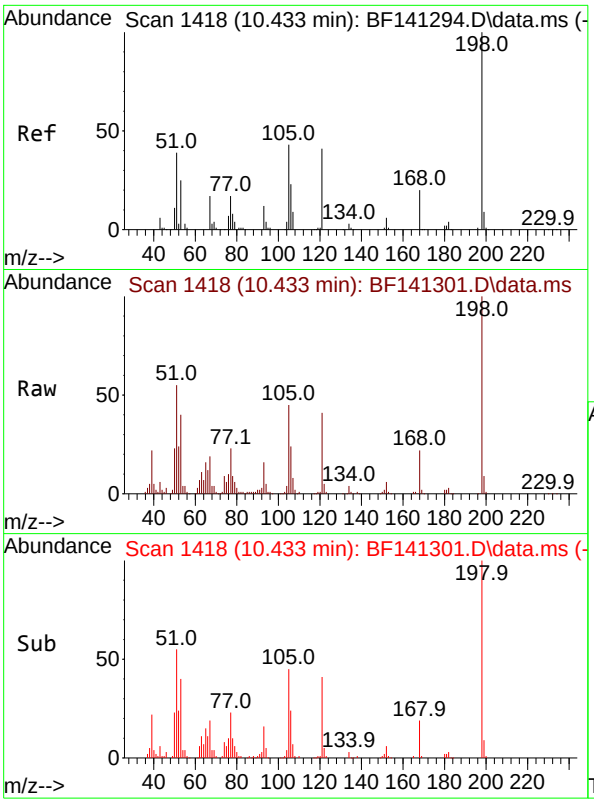


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:188 Resp: 511005

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.2	8.2	12.4



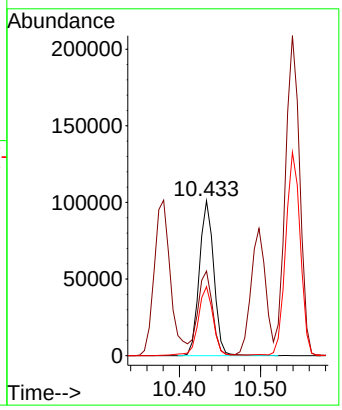


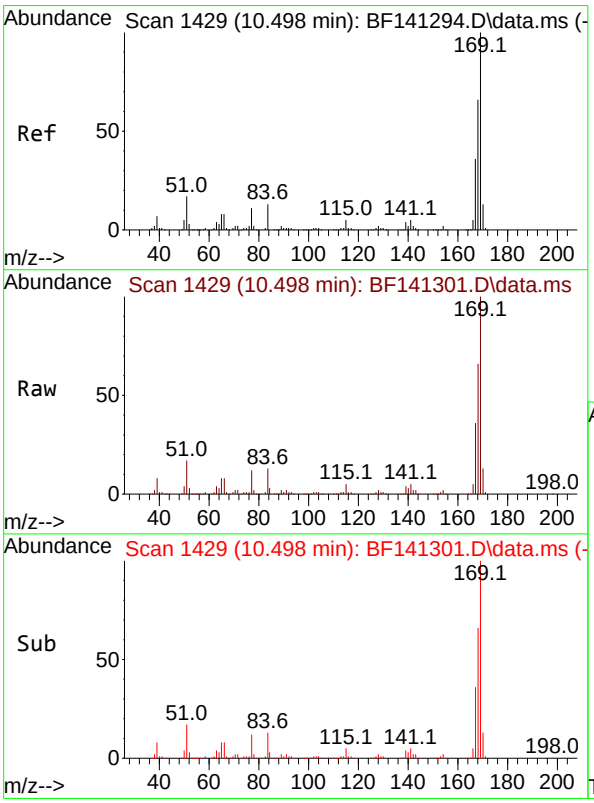
#65
4,6-Dinitro-2-methylphenol
Concen: 41.499 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 125435

Ion	Ratio	Lower	Upper
198	100		
51	54.7	33.4	73.4
105	44.6	24.4	64.4

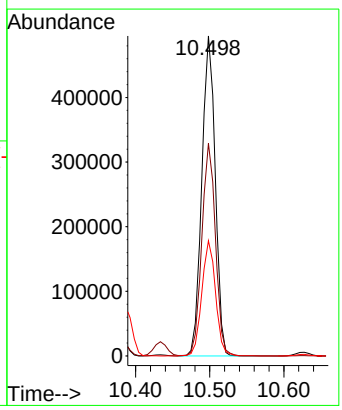


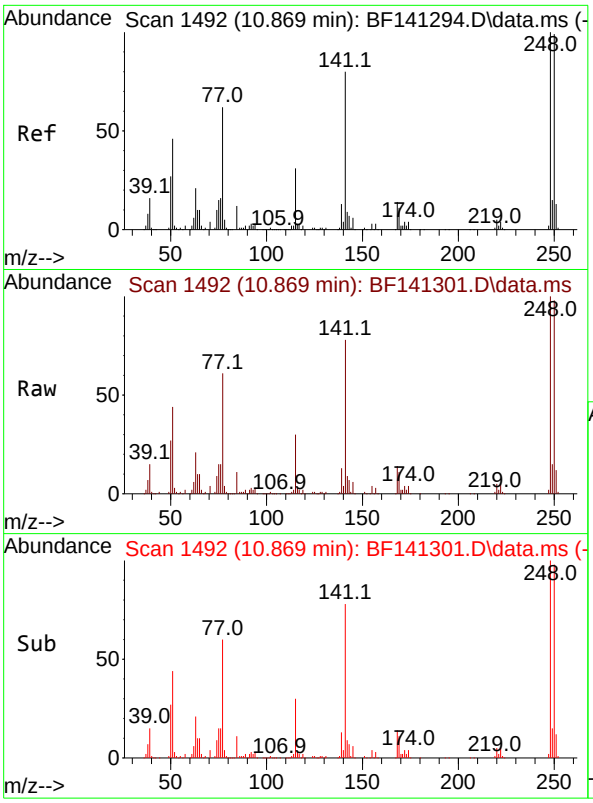


#66
n-Nitrosodiphenylamine
Concen: 37.717 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:169 Resp: 623386

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.0	28.8	43.2



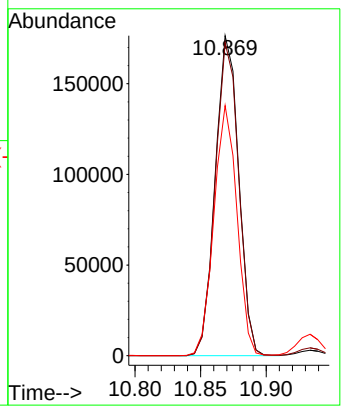


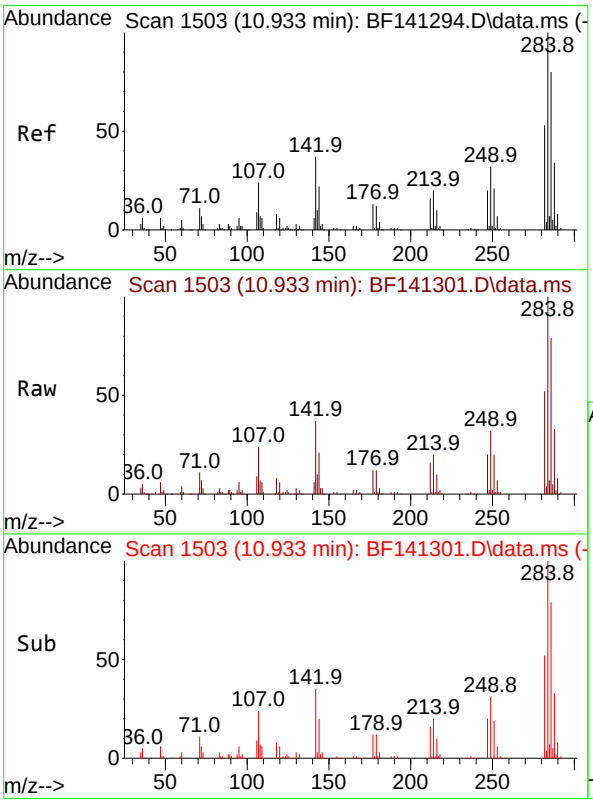
#67
4-Bromophenyl-phenylether
Concen: 38.519 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 220361

Ion	Ratio	Lower	Upper
248	100		
250	97.9	79.0	118.4
141	78.2	63.7	95.5

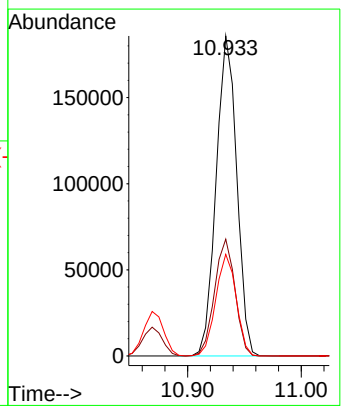


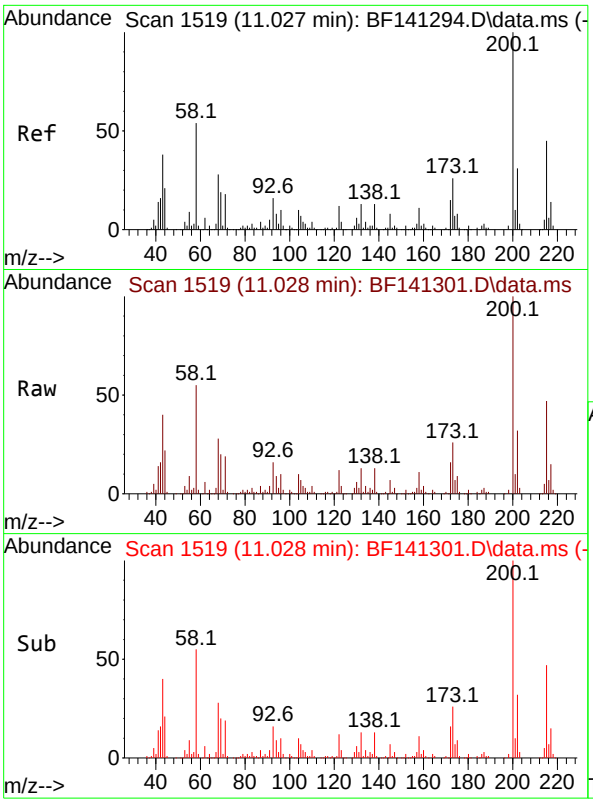


#68
Hexachlorobenzene
Concen: 38.606 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:284 Resp: 234276

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.5	44.3
249	31.7	25.4	38.2



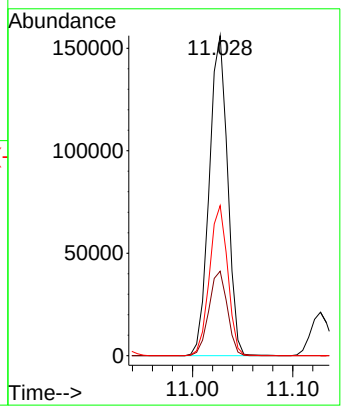


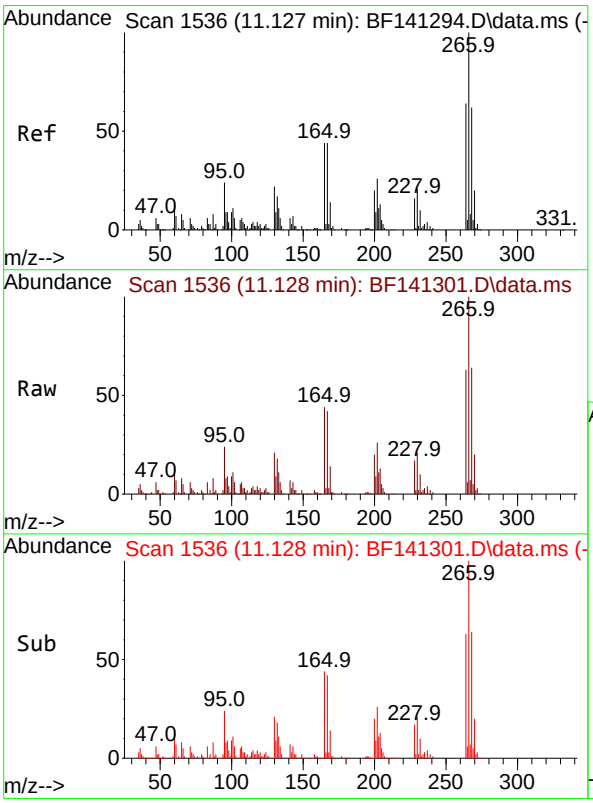
#69
Atrazine
Concen: 35.925 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 198524

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.9	45.9
215	46.9	25.2	65.2

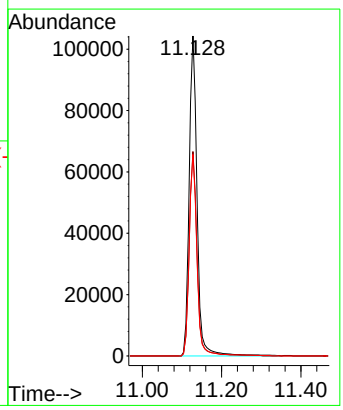


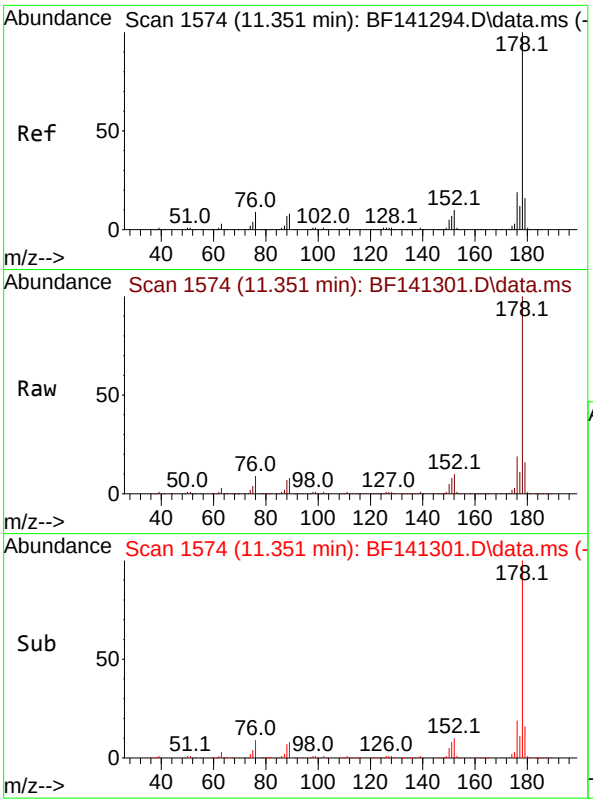


#70
Pentachlorophenol
Concen: 40.848 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:266 Resp: 145156

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.9	74.9
264	63.0	51.0	76.4



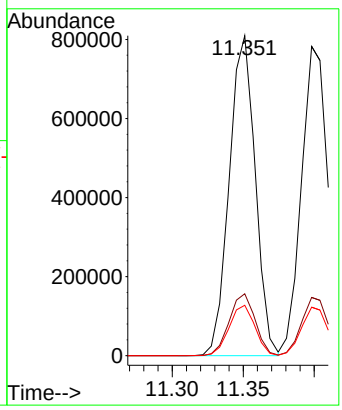


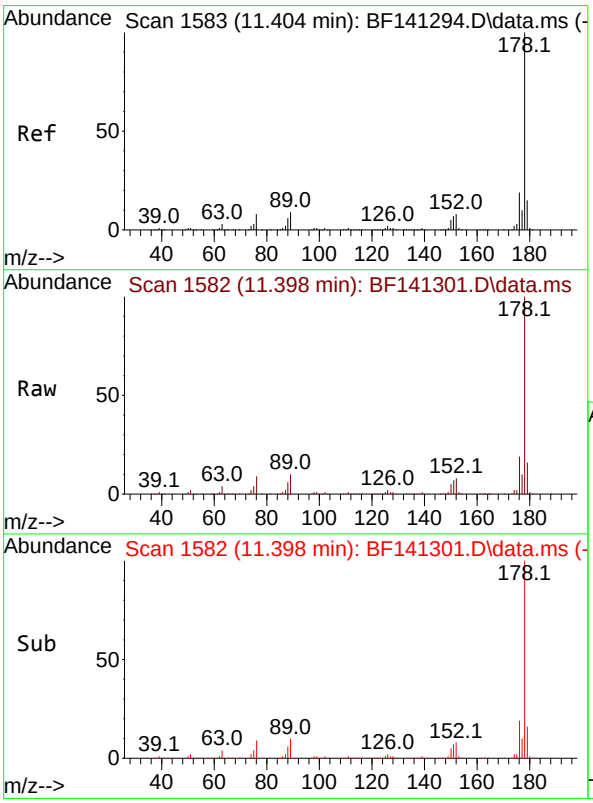
#71
Phenanthrene
Concen: 37.489 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1029763

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.8	12.5	18.7

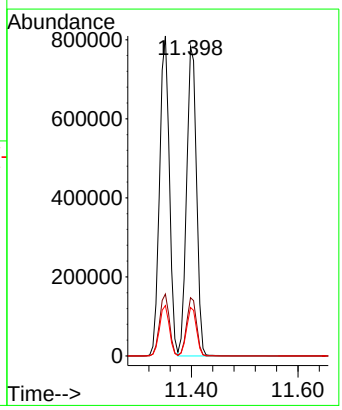


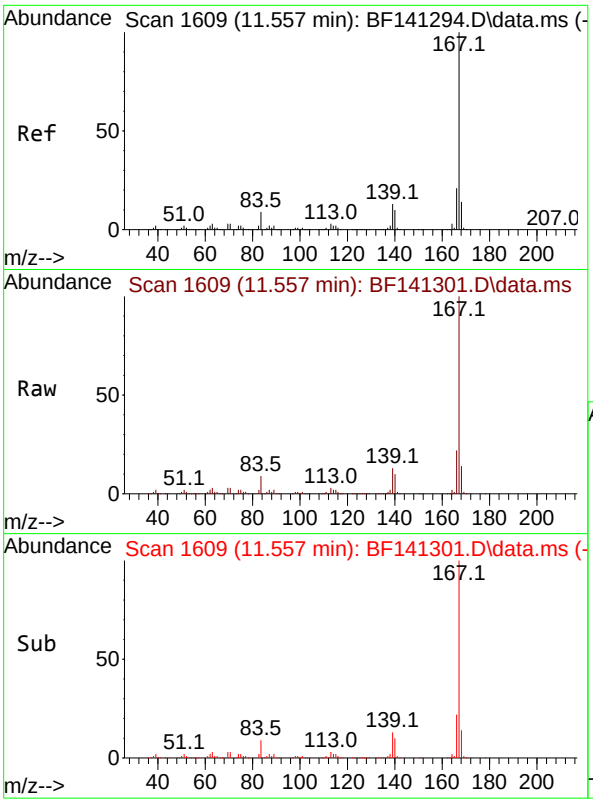


#72
Anthracene
Concen: 37.517 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:178 Resp: 1009748

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.3	18.5



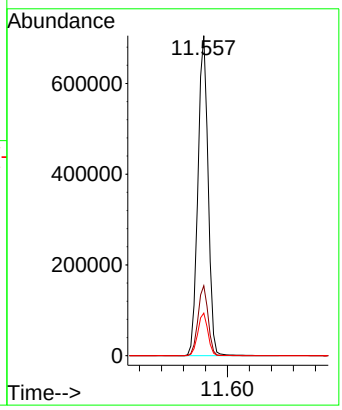


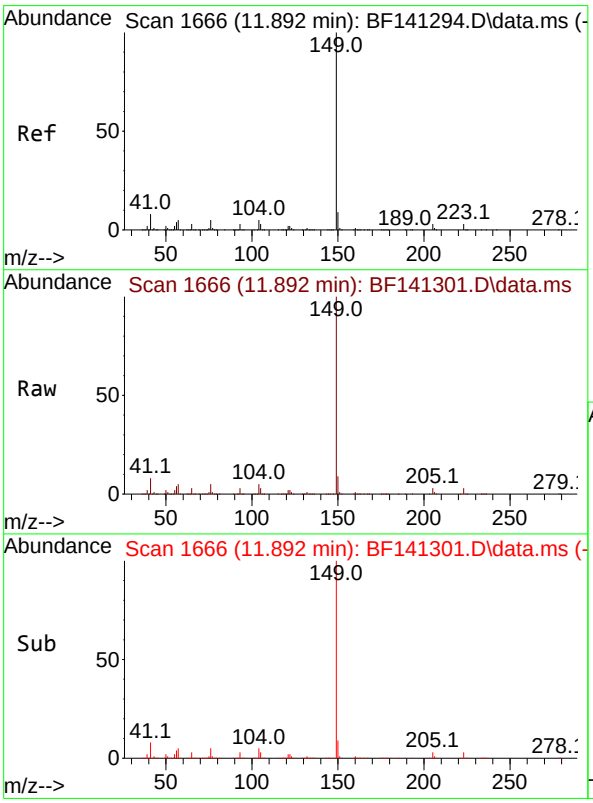
#73
Carbazole
Concen: 38.060 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 908313

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.3	10.6	16.0

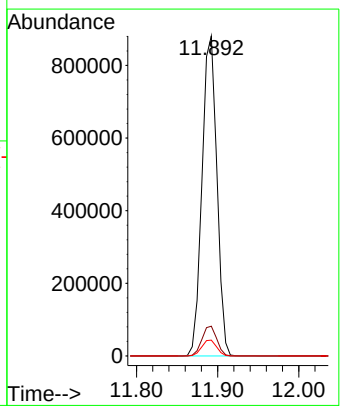


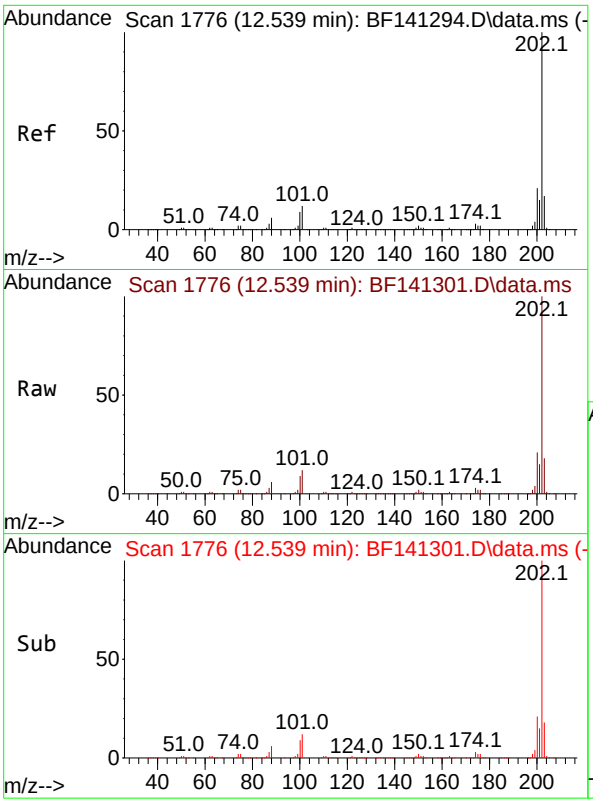


#74
Di-n-butylphthalate
Concen: 38.646 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 1117730

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



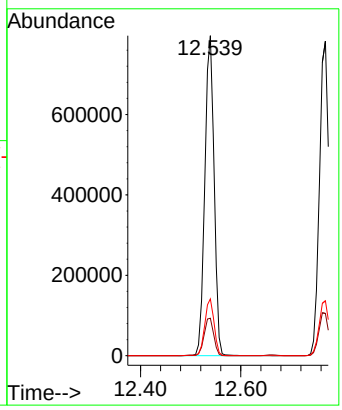


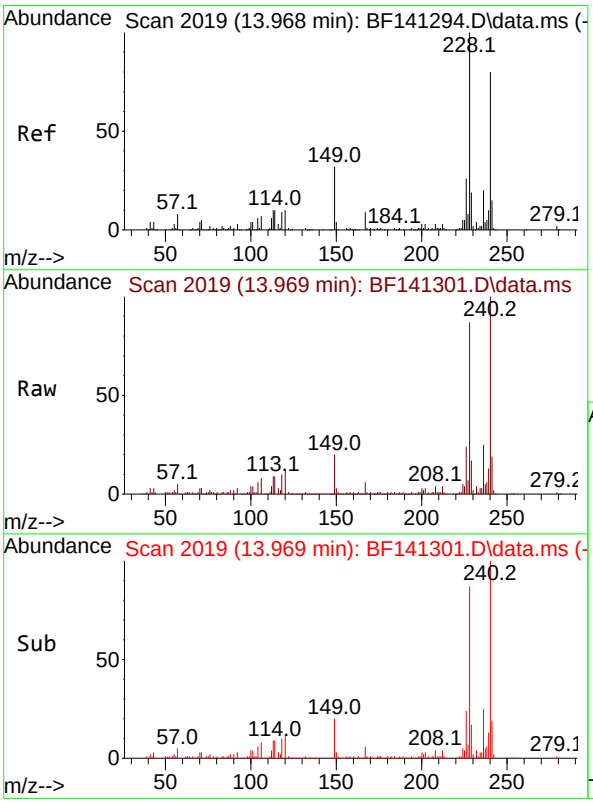
#75
Fluoranthene
Concen: 37.857 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1026756

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.7	0.0	37.5

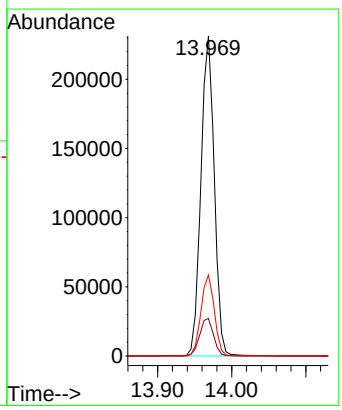


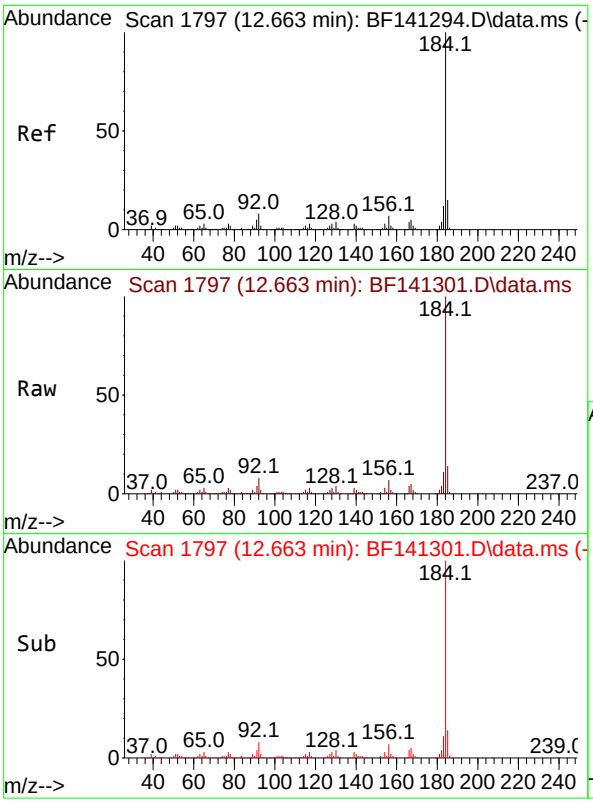


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:240 Resp: 290304

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.3	19.7	29.5



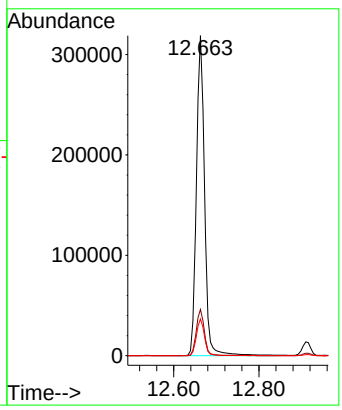


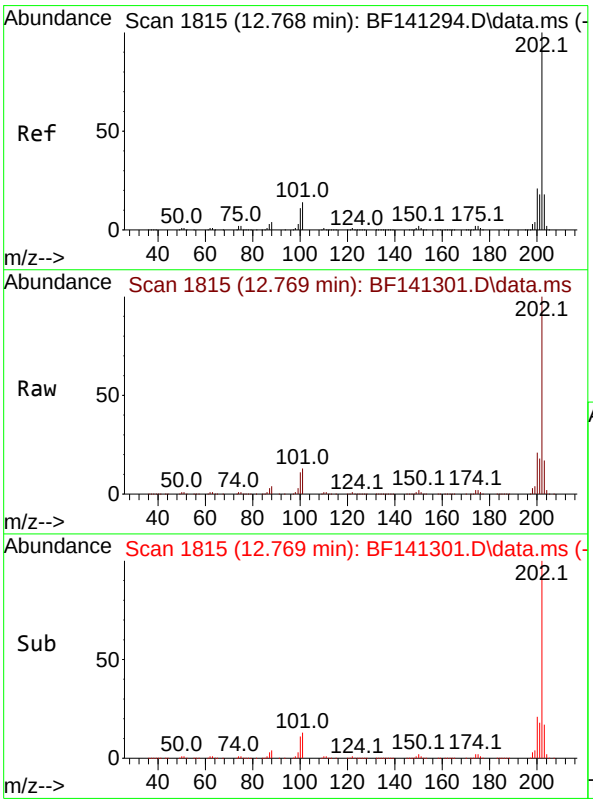
#77
Benzidine
Concen: 45.623 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 424599

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.5	9.5	14.3

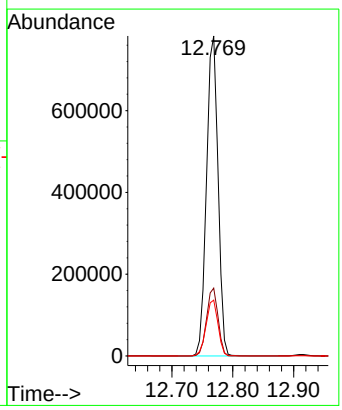


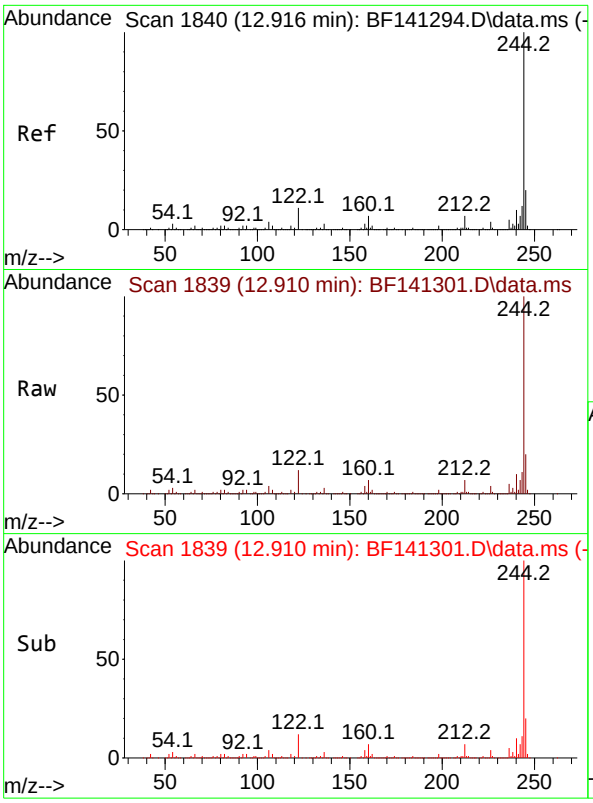


#78
Pyrene
Concen: 37.019 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:202 Resp: 1031587

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.4	14.3	21.5



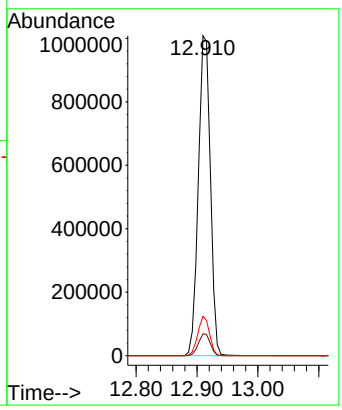


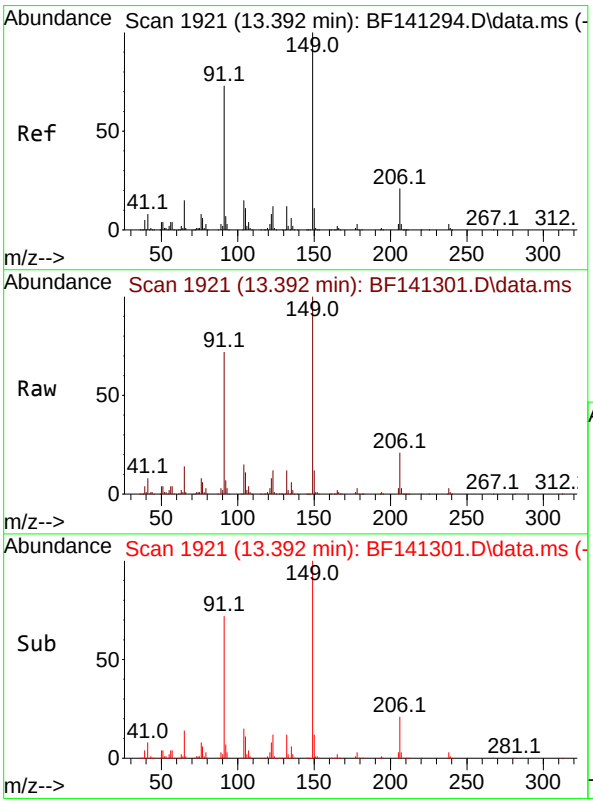
#79
Terphenyl-d14
Concen: 73.075 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1375587

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	8.8	13.2

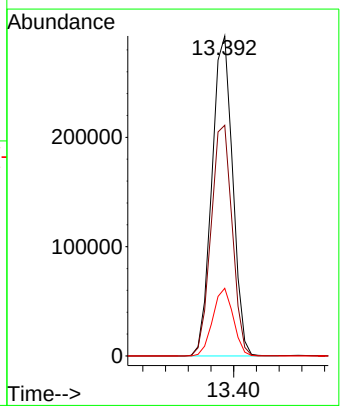


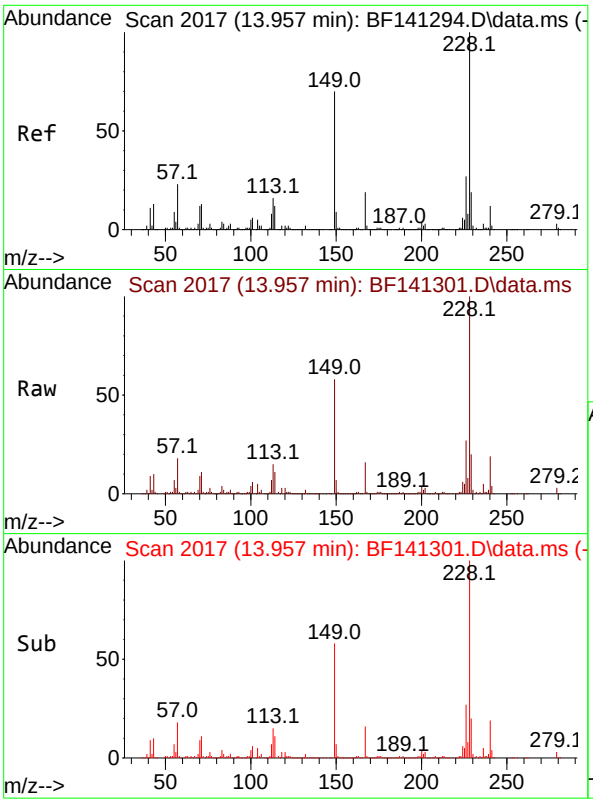


#80
Butylbenzylphthalate
Concen: 38.238 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 372260

Ion	Ratio	Lower	Upper
149	100		
91	72.1	58.6	87.8
206	21.1	16.7	25.1



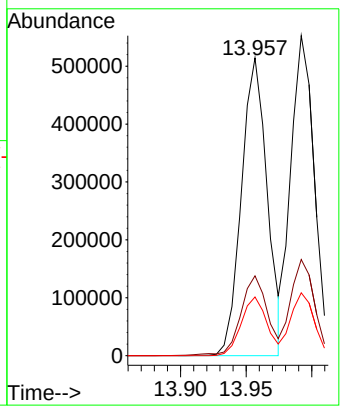


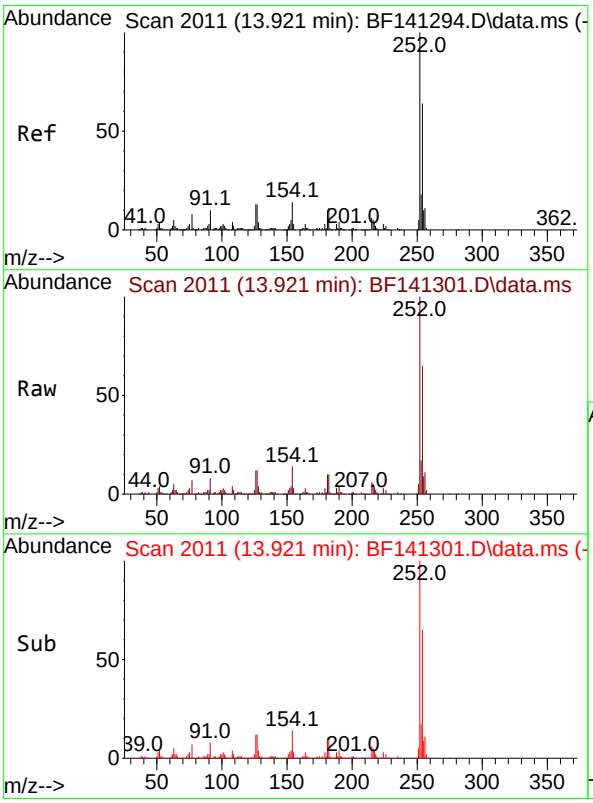
#81
Benzo(a)anthracene
Concen: 35.173 ng
RT: 13.957 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 704605

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.5	23.3

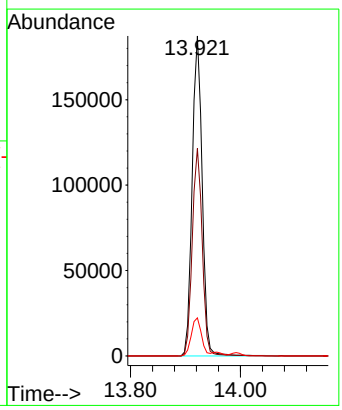


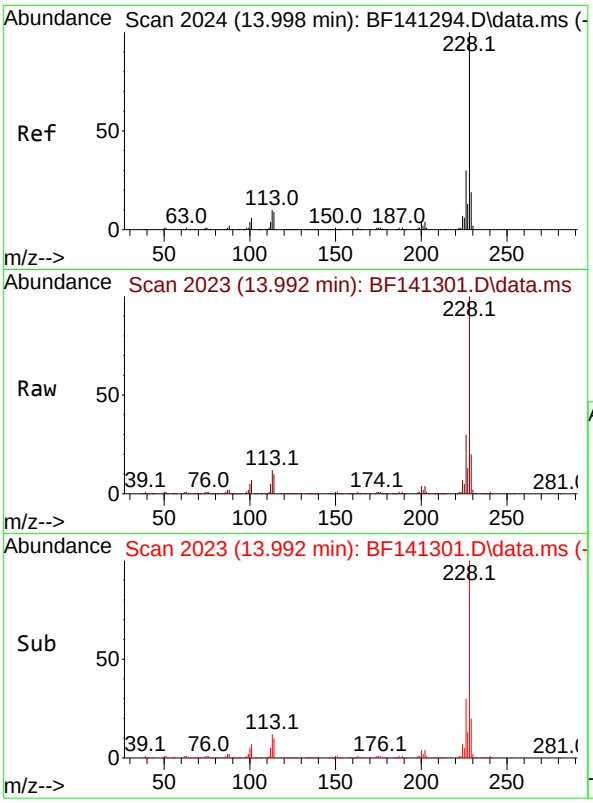


#82
3,3'-Dichlorobenzidine
Concen: 37.051 ng
RT: 13.921 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 236068

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.3	76.9
126	11.9	10.0	15.0



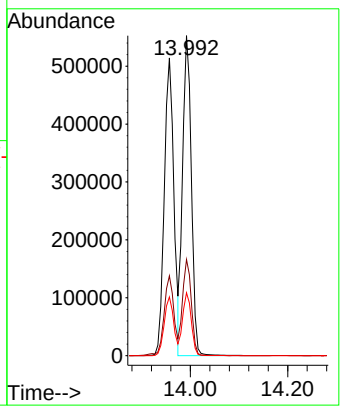


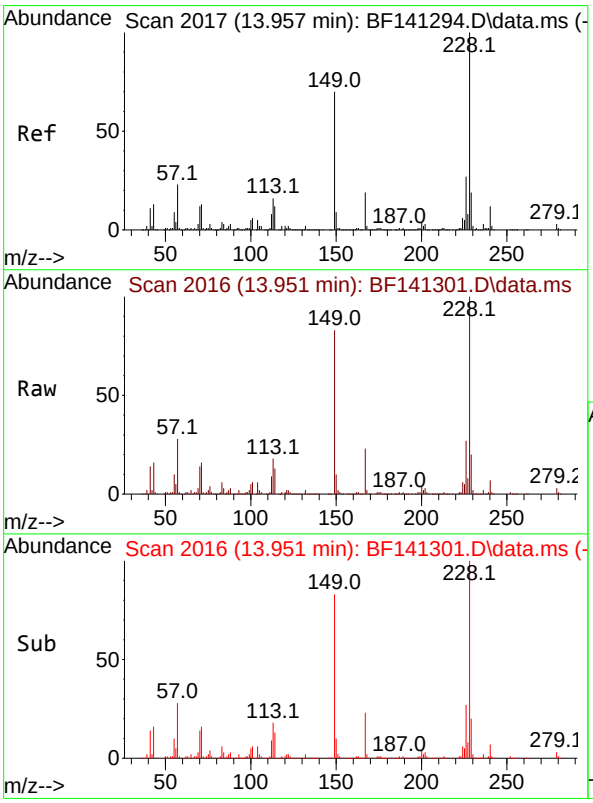
#83
Chrysene
Concen: 37.578 ng
RT: 13.992 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 689916

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.6	23.4

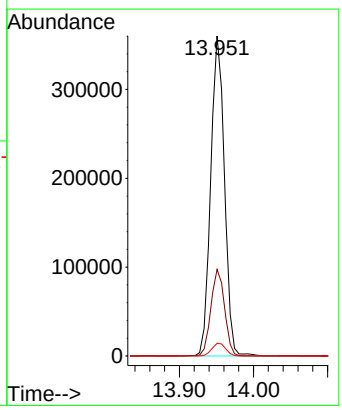


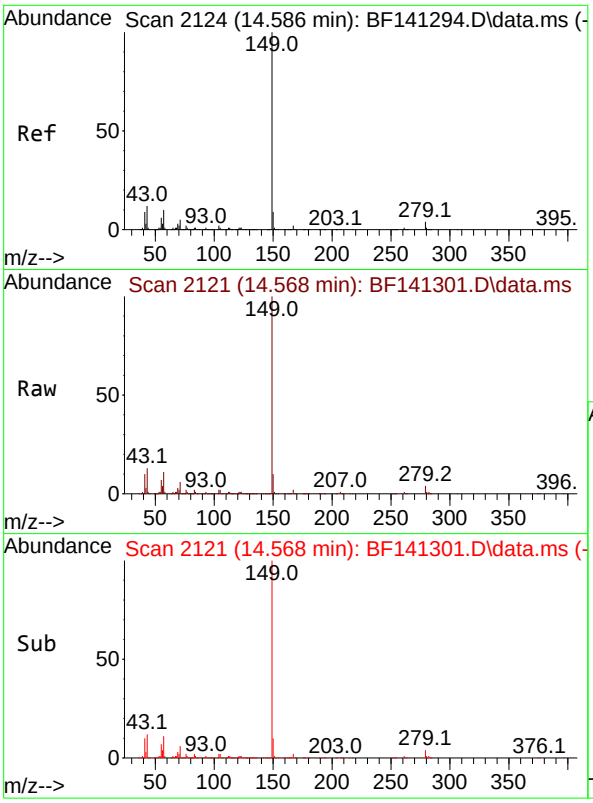


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.511 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:149 Resp: 463244

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	3.9	3.3	4.9



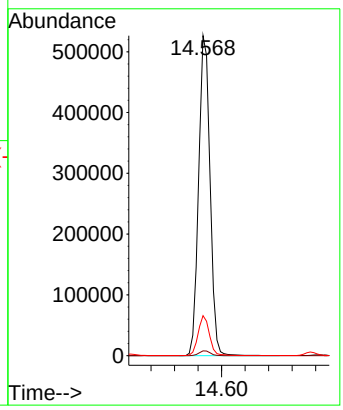


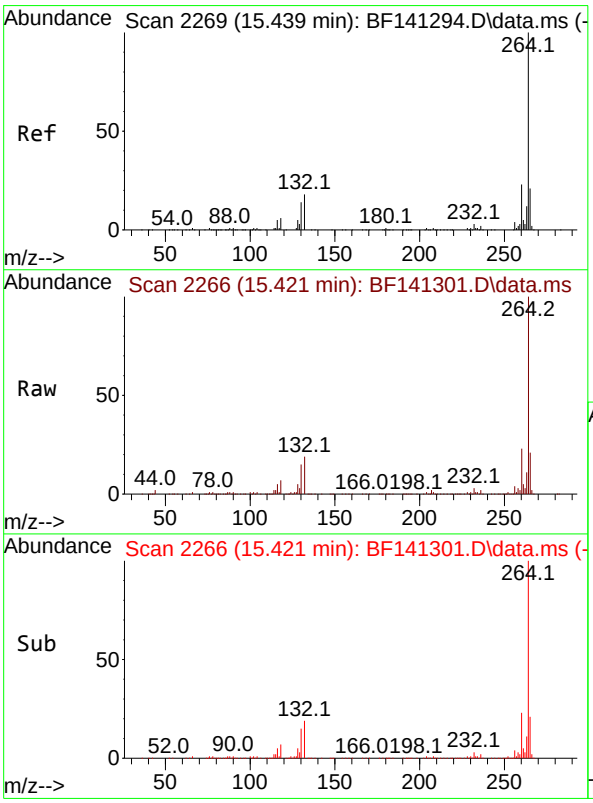
#85
Di-n-octyl phthalate
Concen: 36.853 ng
RT: 14.568 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 706897

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.4	9.8	14.8

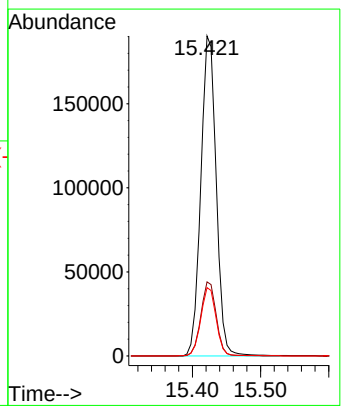


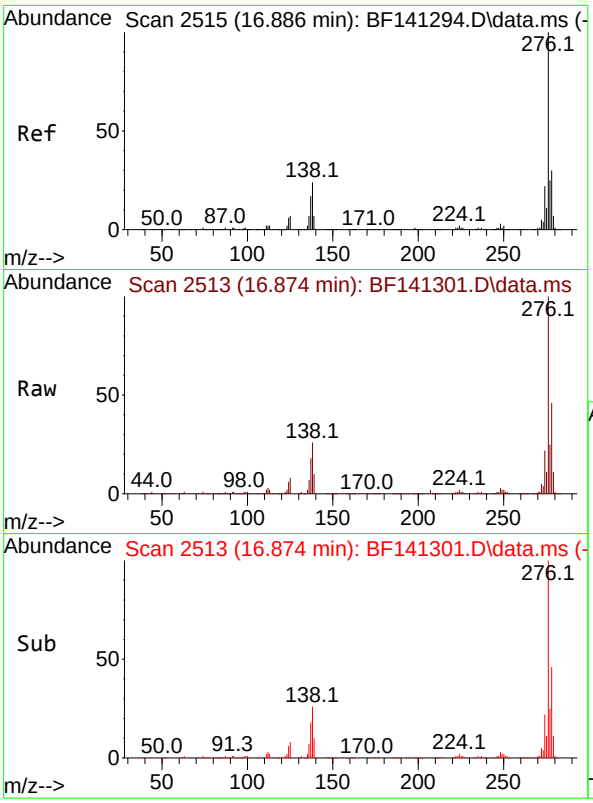


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:264 Resp: 298783

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	16.7	25.1



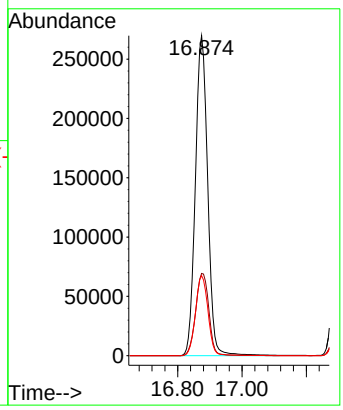


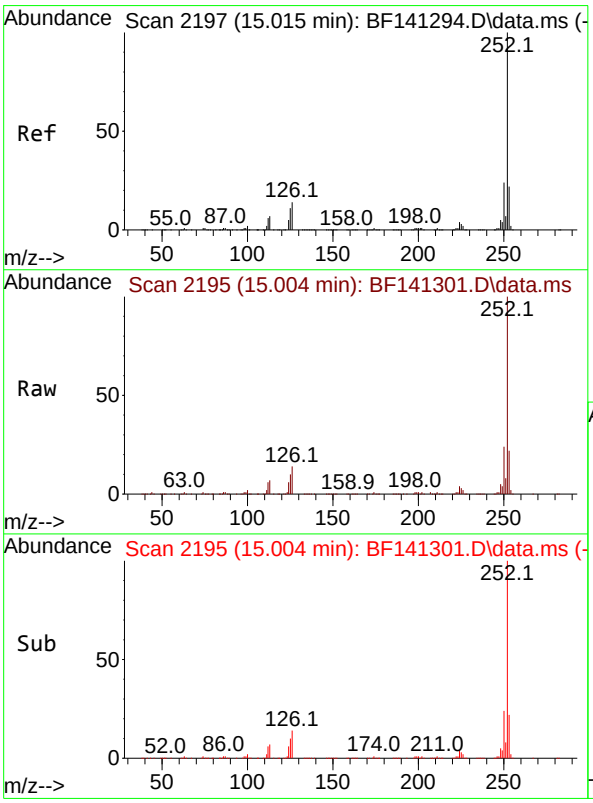
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.195 ng
RT: 16.874 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 717281

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.7	32.5
277	25.4	20.3	30.5

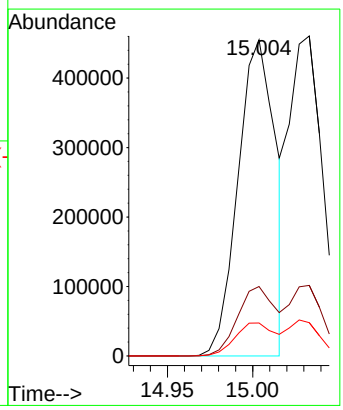


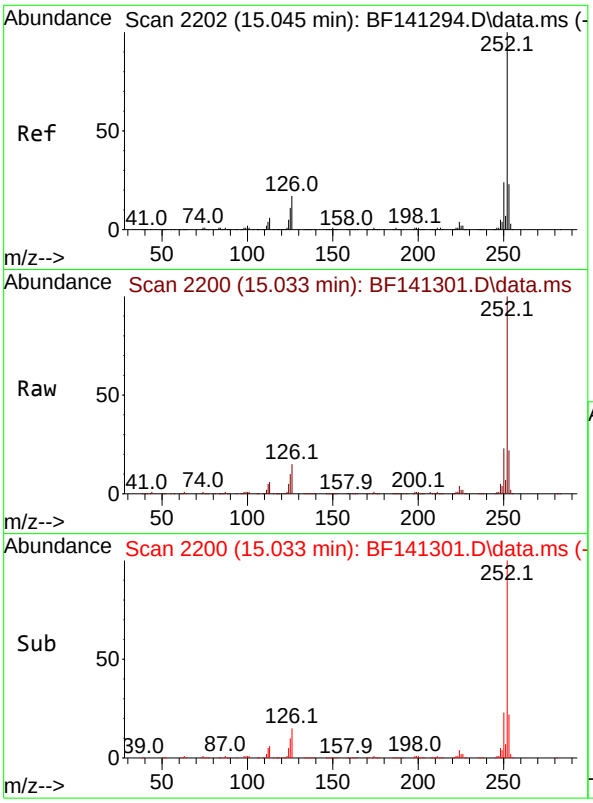


#88
Benzo(b)fluoranthene
Concen: 36.951 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 694461

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.4	8.6	12.8



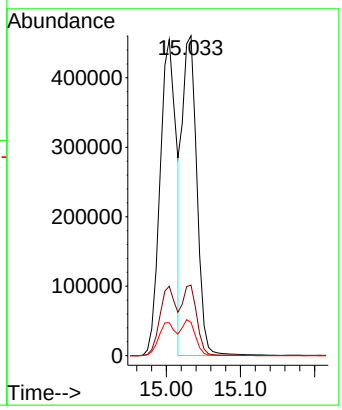


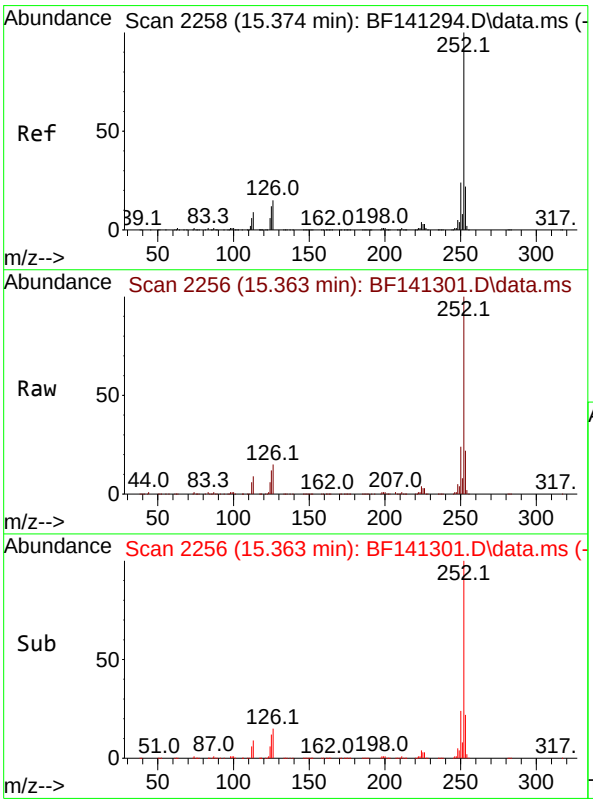
#89
Benzo(k)fluoranthene
Concen: 37.889 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 630825

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.4	8.4	12.6

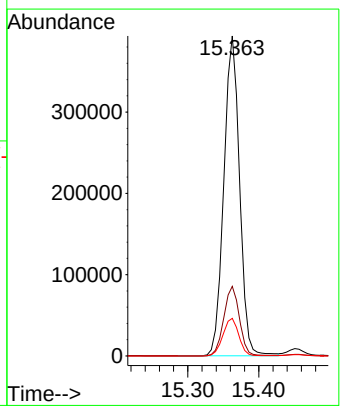


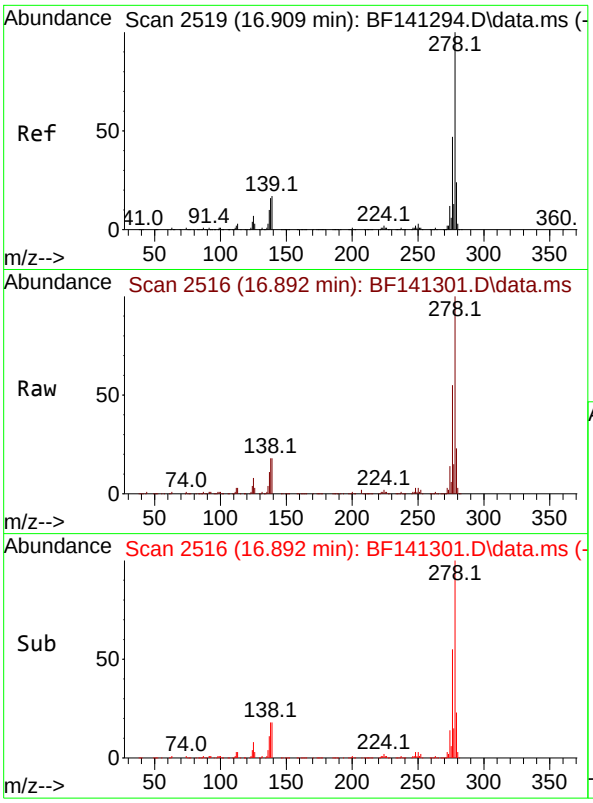


#90
Benzo(a)pyrene
Concen: 38.001 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:252 Resp: 603540

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.7	9.4	14.2



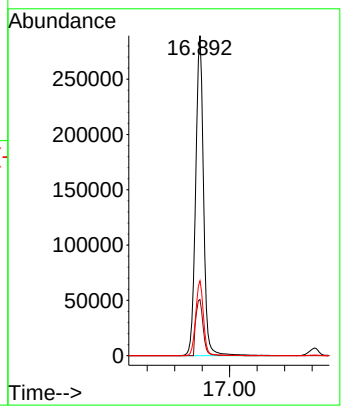


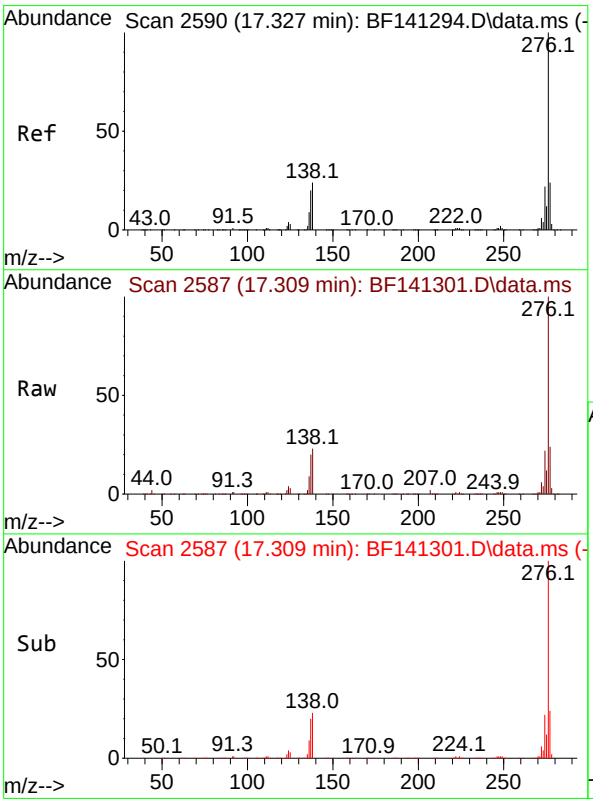
#91
Dibenzo(a,h)anthracene
Concen: 37.155 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 576450

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.9	20.9
279	23.4	18.8	28.2

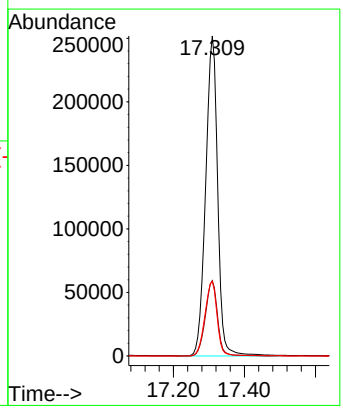




#92
Benzo(g,h,i)perylene
Concen: 36.865 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.035 min
Lab File: BF141301.D
Acq: 30 Jan 2025 08:54

Tgt Ion:276 Resp: 594713

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.3	19.0	28.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
2		1,4-Dioxane	0.573	0.542	5.4	108	0.00
3		Pyridine	1.380	1.335	3.3	109	-0.01
4		n-Nitrosodimethylamine	0.789	0.754	4.4	108	-0.03
5	S	2-Fluorophenol	1.303	1.194	8.4	107	0.00
6		Aniline	1.403	1.392	0.8	110	0.00
7	S	Phenol-d6	1.657	1.545	6.8	109	-0.01
8		2-Chlorophenol	1.396	1.317	5.7	109	-0.01
9		Benzaldehyde	0.960	0.852	11.2	102	0.00
10	C	Phenol	1.757	1.657	5.7	108	-0.01
11		bis(2-Chloroethyl)ether	1.347	1.242	7.8	108	-0.01
12		1,3-Dichlorobenzene	1.540	1.433	6.9	108	0.00
13	C	1,4-Dichlorobenzene	1.547	1.433	7.4	107	0.00
14		1,2-Dichlorobenzene	1.448	1.358	6.2	109	0.00
15		Benzyl Alcohol	1.133	1.092	3.6	108	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.216	5.4	109	0.00
17		2-Methylphenol	1.135	1.057	6.9	109	0.00
18		Hexachloroethane	0.571	0.533	6.7	108	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.911	7.5	109	-0.01
20		3+4-Methylphenols	1.393	1.298	6.8	108	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	108	0.00
22		Acetophenone	0.475	0.435	8.4	108	0.00
23	S	Nitrobenzene-d5	0.379	0.356	6.1	108	0.00
24		Nitrobenzene	0.393	0.370	5.9	108	-0.01
25		Isophorone	0.656	0.621	5.3	110	0.00
26	C	2-Nitrophenol	0.185	0.177	4.3	108	0.00
27		2,4-Dimethylphenol	0.236	0.227	3.8	109	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.394	5.7	109	0.00
29	C	2,4-Dichlorophenol	0.289	0.273	5.5	109	0.00
30		1,2,4-Trichlorobenzene	0.330	0.305	7.6	109	0.00
31		Naphthalene	1.057	0.980	7.3	108	0.00
32		Benzoic acid	0.217	0.211	2.8	103	-0.04
33		4-Chloroaniline	0.358	0.341	4.7	109	0.00
34	C	Hexachlorobutadiene	0.194	0.181	6.7	109	0.00
35		Caprolactam	0.094	0.091	3.2	111	-0.02
36	C	4-Chloro-3-methylphenol	0.310	0.295	4.8	111	0.00
37		2-Methylnaphthalene	0.672	0.622	7.4	108	0.00
38		1-Methylnaphthalene	0.660	0.613	7.1	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.533	6.3	109	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.172	-2.4	109	0.00
42	S	2,4,6-Tribromophenol	0.183	0.174	4.9	110	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.361	3.0	108	0.00
44		2,4,5-Trichlorophenol	0.405	0.374	7.7	108	0.00
45	S	2-Fluorobiphenyl	1.299	1.166	10.2	107	0.00
46		1,1'-Biphenyl	1.560	1.444	7.4	108	0.00
47		2-Chloronaphthalene	1.216	1.115	8.3	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.364	4.7	109	0.00
49		Acenaphthylene	1.702	1.594	6.3	109	0.00
50		Dimethylphthalate	1.351	1.260	6.7	111	0.00
51		2,6-Dinitrotoluene	0.314	0.293	6.7	108	0.00
52	C	Acenaphthene	1.216	1.130	7.1	109	0.00
53		3-Nitroaniline	0.307	0.296	3.6	106	0.00
54	P	2,4-Dinitrophenol	0.146	0.139	4.8	103	0.00
55		Dibenzofuran	1.627	1.502	7.7	108	0.00
56	P	4-Nitrophenol	0.225	0.221	1.8	108	-0.01
57		2,4-Dinitrotoluene	0.406	0.387	4.7	109	0.00
58		Fluorene	1.262	1.151	8.8	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.319	0.312	2.2	112	0.00
60		Diethylphthalate	1.310	1.217	7.1	108	0.00
61		4-Chlorophenyl-phenylether	0.617	0.568	7.9	109	0.00
62		4-Nitroaniline	0.302	0.294	2.6	111	-0.01
63		Azobenzene	1.311	1.225	6.6	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.123	-4.2	109	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.610	5.7	109	0.00
67		4-Bromophenyl-phenylether	0.224	0.216	3.6	111	0.00
68		Hexachlorobenzene	0.238	0.229	3.8	112	0.00
69		Atrazine	0.216	0.194	10.2	102	0.00
70	C	Pentachlorophenol	0.139	0.142	-2.2	111	0.00
71		Phenanthrene	1.075	1.008	6.2	110	0.00
72		Anthracene	1.053	0.988	6.2	109	0.00
73		Carbazole	0.934	0.889	4.8	110	0.00
74		Di-n-butylphthalate	1.132	1.094	3.4	112	0.00
75	C	Fluoranthene	1.062	1.005	5.4	111	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.641	0.731	-14.0	112	0.00
78		Pyrene	1.920	1.777	7.4	113	0.00
79	S	Terphenyl-d14	1.297	1.185	8.6	112	0.00
80		Butylbenzylphthalate	0.671	0.641	4.5	114	0.00
81		Benzo(a)anthracene	1.380	1.214	12.0	106	0.00
82		3,3'-Dichlorobenzidine	0.439	0.407	7.3	108	0.00
83		Chrysene	1.265	1.188	6.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	0.851	0.798	6.2	113	0.00
85	c	Di-n-octyl phthalate	1.321	1.218	7.8	110	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.200	7.0	102	-0.02
88		Benzo(b)fluoranthene	1.258	1.162	7.6	111	-0.02
89		Benzo(k)fluoranthene	1.114	1.056	5.2	104	-0.02
90	C	Benzo(a)pyrene	1.063	1.010	5.0	107	-0.02
91		Dibenzo(a,h)anthracene	1.039	0.965	7.1	102	-0.03
92		Benzo(g,h,i)perylene	1.080	0.995	7.9	102	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	107	0.00
2		1,4-Dioxane	40.000	37.813	5.5	108	0.00
3		Pyridine	40.000	38.682	3.3	109	-0.01
4		n-Nitrosodimethylamine	40.000	38.256	4.4	108	-0.03
5	S	2-Fluorophenol	80.000	73.339	8.3	107	0.00
6		Aniline	40.000	39.701	0.7	110	0.00
7	S	Phenol-d6	80.000	74.578	6.8	109	-0.01
8		2-Chlorophenol	40.000	37.714	5.7	109	-0.01
9		Benzaldehyde	40.000	35.516	11.2	102	0.00
10	C	Phenol	40.000	37.734	5.7	108	-0.01
11		bis(2-Chloroethyl)ether	40.000	36.896	7.8	108	-0.01
12		1,3-Dichlorobenzene	40.000	37.233	6.9	108	0.00
13	C	1,4-Dichlorobenzene	40.000	37.052	7.4	107	0.00
14		1,2-Dichlorobenzene	40.000	37.501	6.2	109	0.00
15		Benzyl Alcohol	40.000	38.584	3.5	108	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.839	5.4	109	0.00
17		2-Methylphenol	40.000	37.247	6.9	109	0.00
18		Hexachloroethane	40.000	37.348	6.6	108	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.005	7.5	109	-0.01
20		3+4-Methylphenols	40.000	37.247	6.9	108	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	108	0.00
22		Acetophenone	40.000	36.587	8.5	108	0.00
23	S	Nitrobenzene-d5	80.000	75.011	6.2	108	0.00
24		Nitrobenzene	40.000	37.656	5.9	108	-0.01
25		Isophorone	40.000	37.866	5.3	110	0.00
26	C	2-Nitrophenol	40.000	38.187	4.5	108	0.00
27		2,4-Dimethylphenol	40.000	38.454	3.9	109	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.666	5.8	109	0.00
29	C	2,4-Dichlorophenol	40.000	37.822	5.4	109	0.00
30		1,2,4-Trichlorobenzene	40.000	37.030	7.4	109	0.00
31		Naphthalene	40.000	37.109	7.2	108	0.00
32		Benzoic acid	40.000	38.870	2.8	103	-0.04
33		4-Chloroaniline	40.000	38.063	4.8	109	0.00
34	C	Hexachlorobutadiene	40.000	37.404	6.5	109	0.00
35		Caprolactam	40.000	38.592	3.5	111	-0.02
36	C	4-Chloro-3-methylphenol	40.000	38.080	4.8	111	0.00
37		2-Methylnaphthalene	40.000	37.063	7.3	108	0.00
38		1-Methylnaphthalene	40.000	37.152	7.1	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.450	6.4	109	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.862	-2.2	109	0.00
42	S	2,4,6-Tribromophenol	80.000	75.804	5.2	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.755	3.1	108	0.00
44		2,4,5-Trichlorophenol	40.000	36.919	7.7	108	0.00
45	S	2-Fluorobiphenyl	80.000	71.765	10.3	107	0.00
46		1,1'-Biphenyl	40.000	37.042	7.4	108	0.00
47		2-Chloronaphthalene	40.000	36.699	8.3	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.111	4.7	109	0.00
49		Acenaphthylene	40.000	37.463	6.3	109	0.00
50		Dimethylphthalate	40.000	37.298	6.8	111	0.00
51		2,6-Dinitrotoluene	40.000	37.386	6.5	108	0.00
52	C	Acenaphthene	40.000	37.171	7.1	109	0.00
53		3-Nitroaniline	40.000	38.456	3.9	106	0.00
54	P	2,4-Dinitrophenol	40.000	38.081	4.8	103	0.00
55		Dibenzofuran	40.000	36.923	7.7	108	0.00
56	P	4-Nitrophenol	40.000	39.302	1.7	108	-0.01
57		2,4-Dinitrotoluene	40.000	38.142	4.6	109	0.00
58		Fluorene	40.000	36.459	8.9	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.118	2.2	112	0.00
60		Diethylphthalate	40.000	37.157	7.1	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.875	7.8	109	0.00
62		4-Nitroaniline	40.000	38.976	2.6	111	-0.01
63		Azobenzene	40.000	37.363	6.6	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.499	-3.7	109	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.717	5.7	109	0.00
67		4-Bromophenyl-phenylether	40.000	38.519	3.7	111	0.00
68		Hexachlorobenzene	40.000	38.606	3.5	112	0.00
69		Atrazine	40.000	35.925	10.2	102	0.00
70	C	Pentachlorophenol	40.000	40.848	-2.1	111	0.00
71		Phenanthrene	40.000	37.489	6.3	110	0.00
72		Anthracene	40.000	37.517	6.2	109	0.00
73		Carbazole	40.000	38.060	4.8	110	0.00
74		Di-n-butylphthalate	40.000	38.646	3.4	112	0.00
75	C	Fluoranthene	40.000	37.857	5.4	111	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	45.623	-14.1	112	0.00
78		Pyrene	40.000	37.019	7.5	113	0.00
79	S	Terphenyl-d14	80.000	73.075	8.7	112	0.00
80		Butylbenzylphthalate	40.000	38.238	4.4	114	0.00
81		Benzo(a)anthracene	40.000	35.173	12.1	106	0.00
82		3,3'-Dichlorobenzidine	40.000	37.051	7.4	108	0.00
83		Chrysene	40.000	37.578	6.1	117	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.511	6.2	113	0.00
85	c	Di-n-octyl phthalate	40.000	36.853	7.9	110	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	107	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.195	7.0	102	-0.02
88		Benzo(b)fluoranthene	40.000	36.951	7.6	111	-0.02
89		Benzo(k)fluoranthene	40.000	37.889	5.3	104	-0.02
90	C	Benzo(a)pyrene	40.000	38.001	5.0	107	-0.02
91		Dibenzo(a,h)anthracene	40.000	37.155	7.1	102	-0.03
92		Benzo(g,h,i)perylene	40.000	36.865	7.8	102	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141301.D
Acq On : 30 Jan 2025 08:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 30 10:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	1.038		8.1	
Phenol-d6	1.657	1.598		-3.6	
Phenol	1.757	1.694		-3.6	20.0
bis(2-Chloroethyl)ether	1.347	1.310		-2.7	
2-Chlorophenol	1.396	1.391		-0.4	
2-Methylphenol	1.135	1.109		-2.3	
2,2-oxybis(1-Chloropropane)	2.342	2.192		-6.4	
Acetophenone	0.475	0.486		2.3	
3+4-Methylphenols	1.393	1.420		1.9	
n-Nitroso-di-n-propylamine	0.985	0.981	0.050	-0.4	
Nitrobenzene-d5	0.379	0.382		0.8	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.389		-1.0	
Isophorone	0.656	0.653		-0.5	
2-Nitrophenol	0.185	0.188		1.6	20.0
2,4-Dimethylphenol	0.236	0.237		0.4	
bis(2-Chloroethoxy)methane	0.418	0.408		-2.4	
2,4-Dichlorophenol	0.289	0.293		1.4	20.0
Naphthalene	1.057	1.046		-1.0	
4-Chloroaniline	0.358	0.293		-18.2	
Hexachlorobutadiene	0.194	0.204		5.2	20.0
Caprolactam	0.094	0.096		2.1	
4-Chloro-3-methylphenol	0.310	0.318		2.6	20.0
2-Methylnaphthalene	0.672	0.672		0.0	
Hexachlorocyclopentadiene	0.168	0.186	0.050	10.7	
2,4,6-Trichlorophenol	0.372	0.380		2.2	20.0
2-Fluorobiphenyl	1.299	1.292		-0.5	
2,4,5-Trichlorophenol	0.405	0.413		2.0	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.196		-1.6	
2-Nitroaniline	0.382	0.388		1.6	
Dimethylphthalate	1.351	1.357		0.4	
Acenaphthylene	1.702	1.683		-1.1	
2,6-Dinitrotoluene	0.314	0.315		0.3	
3-Nitroaniline	0.307	0.310		1.0	
Acenaphthene	1.216	1.226		0.8	20.0
2,4-Dinitrophenol	0.146	0.170	0.050	16.4	
4-Nitrophenol	0.225	0.235	0.050	4.4	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 17:14

Lab File ID: BF141373.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.608		-1.2	
2,4-Dinitrotoluene	0.406	0.423		4.2	
Diethylphthalate	1.310	1.346		2.7	
4-Chlorophenyl-phenylether	0.617	0.621		0.6	
Fluorene	1.262	1.286		1.9	
4-Nitroaniline	0.302	0.327		8.3	
4,6-Dinitro-2-methylphenol	0.118	0.140		18.6	
n-Nitrosodiphenylamine	0.647	0.642		-0.8	20.0
2,4,6-Tribromophenol	0.183	0.194		6.0	
4-Bromophenyl-phenylether	0.224	0.234		4.5	
Hexachlorobenzene	0.238	0.244		2.5	
Atrazine	0.216	0.216		0.0	
Pentachlorophenol	0.139	0.157		12.9	20.0
Phenanthrene	1.075	1.095		1.9	
Anthracene	1.053	1.082		2.8	
Carbazole	0.934	0.977		4.6	
Di-n-butylphthalate	1.132	1.197		5.7	
Fluoranthene	1.062	1.123		5.7	20.0
Pyrene	1.920	1.838		-4.3	
Terphenyl-d14	1.297	1.274		-1.8	
Butylbenzylphthalate	0.671	0.703		4.8	
3,3-Dichlorobenzidine	0.439	0.424		-3.4	
Benzo(a)anthracene	1.380	1.292		-6.4	
Chrysene	1.265	1.240		-2.0	
Bis(2-ethylhexyl)phthalate	0.851	0.932		9.5	
Di-n-octyl phthalate	1.321	1.473		11.5	20.0
Benzo(b)fluoranthene	1.258	1.234		-1.9	
Benzo(k)fluoranthene	1.114	1.155		3.7	
Benzo(a)pyrene	1.063	1.088		2.4	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.353		4.8	
Dibenzo(a,h)anthracene	1.039	1.102		6.1	
Benzo(g,h,i)perylene	1.080	1.119		3.6	
1,2,4,5-Tetrachlorobenzene	0.569	0.571		0.4	
1,4-Dioxane	0.573	0.582		1.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	104167	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	414412	20.000	ng		0.00
39) Acenaphthene-d10	9.833	164	226326	20.000	ng		0.00
64) Phenanthrene-d10	11.322	188	383558	20.000	ng		0.00
76) Chrysene-d12	13.963	240	233911	20.000	ng		-0.01
86) Perylene-d12	15.415	264	231577	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	542601	79.968	ng		0.00
7) Phenol-d6	6.439	99	665791	77.133	ng		0.00
23) Nitrobenzene-d5	7.363	82	632818	80.499	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	175756	84.706	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1169231	79.517	ng		0.00
79) Terphenyl-d14	12.910	244	1192221	78.604	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.475	88	121152	40.599	ng		100
3) Pyridine	3.210	79	256725	35.706	ng		99
4) n-Nitrosodimethylamine	3.163	42	171120	41.662	ng		93
6) Aniline	6.457	93	214496	29.356	ng	#	6
8) 2-Chlorophenol	6.587	128	289746	39.841	ng		97
9) Benzaldehyde	6.345	77	216223	43.247	ng		99
10) Phenol	6.451	94	352818	38.559	ng		79
11) bis(2-Chloroethyl)ether	6.534	93	272822	38.887	ng		100
12) 1,3-Dichlorobenzene	6.734	146	319939	39.899	ng		100
13) 1,4-Dichlorobenzene	6.816	146	327100	40.605	ng		99
14) 1,2-Dichlorobenzene	6.969	146	306404	40.620	ng		99
15) Benzyl Alcohol	6.939	79	249700	42.330	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	456565	37.424	ng		76
17) 2-Methylphenol	7.063	107	231097	39.098	ng	#	91
18) Hexachloroethane	7.310	117	122966	41.378	ng		97
19) n-Nitroso-di-n-propyla...	7.210	70	204348	39.842	ng		99
20) 3+4-Methylphenols	7.210	107	295742	40.751	ng		96
22) Acetophenone	7.204	105	403113	40.923	ng	#	97
24) Nitrobenzene	7.381	77	322702	39.612	ng		98
25) Isophorone	7.616	82	541055	39.816	ng		99
26) 2-Nitrophenol	7.692	139	155896	40.576	ng		96
27) 2,4-Dimethylphenol	7.739	122	196433m	40.168	ng		
28) bis(2-Chloroethoxy)met...	7.828	93	338131	39.010	ng		99
29) 2,4-Dichlorophenol	7.945	162	242512	40.508	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	271821	39.757	ng		100
31) Naphthalene	8.098	128	867292	39.616	ng		100
32) Benzoic acid	7.857	122	193009	42.934	ng		98
33) 4-Chloroaniline	8.151	127	242580	32.676	ng		99
34) Hexachlorobutadiene	8.216	225	168912	42.128	ng		99
35) Caprolactam	8.516	113	79702	40.764	ng		98
36) 4-Chloro-3-methylphenol	8.639	107	263711	41.066	ng		96
37) 2-Methylnaphthalene	8.792	142	556906	40.024	ng		99
38) 1-Methylnaphthalene	8.886	142	547195	40.034	ng		99
40) 1,2,4,5-Tetrachloroben...	8.957	216	258626	40.167	ng		100
41) Hexachlorocyclopentadiene	8.939	237	83996	44.173	ng		100
43) 2,4,6-Trichlorophenol	9.069	196	171810	40.768	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	186902	40.747	ng	100
46) 1,1'-Biphenyl	9.257	154	695314	39.393	ng	99
47) 2-Chloronaphthalene	9.280	162	541319	39.346	ng	99
48) 2-Nitroaniline	9.375	65	175746	40.613	ng	96
49) Acenaphthylene	9.692	152	761884	39.561	ng	100
50) Dimethylphthalate	9.557	163	614225	40.182	ng	99
51) 2,6-Dinitrotoluene	9.622	165	142423	40.128	ng	100
52) Acenaphthene	9.869	154	554750	40.321	ng	99
53) 3-Nitroaniline	9.786	138	140545	40.403	ng	98
54) 2,4-Dinitrophenol	9.892	184	76994	46.667	ng	91
55) Dibenzofuran	10.039	168	727950	39.528	ng	98
56) 4-Nitrophenol	9.969	139	106562	41.887	ng	94
57) 2,4-Dinitrotoluene	10.022	165	191425	41.657	ng	97
58) Fluorene	10.380	166	581931	40.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	152033	42.131	ng	98
60) Diethylphthalate	10.257	149	609242	41.105	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	280983	40.268	ng	97
62) 4-Nitroaniline	10.404	138	147941	43.258	ng	96
63) Azobenzene	10.533	77	585808	39.486	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	107093	47.204	ng	97
66) n-Nitrosodiphenylamine	10.492	169	492539	39.703	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	179324	41.761	ng	98
68) Hexachlorobenzene	10.927	284	186820	41.015	ng	98
69) Atrazine	11.022	200	166008	40.023	ng	99
70) Pentachlorophenol	11.127	266	120209	45.068	ng	98
71) Phenanthrene	11.345	178	840073	40.745	ng	100
72) Anthracene	11.398	178	829686	41.070	ng	100
73) Carbazole	11.551	167	749638	41.848	ng	99
74) Di-n-butylphthalate	11.886	149	917962	42.285	ng	100
75) Fluoranthene	12.533	202	861847	42.335	ng	98
77) Benzidine	12.657	184	219025	29.208	ng	99
78) Pyrene	12.763	202	860076	38.305	ng	100
80) Butylbenzylphthalate	13.380	149	328897	41.929	ng	99
81) Benzo(a)anthracene	13.951	228	604276	37.437	ng	100
82) 3,3'-Dichlorobenzidine	13.915	252	198361	38.639	ng	99
83) Chrysene	13.986	228	580099	39.215	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	436237	43.840	ng	99
85) Di-n-octyl phthalate	14.562	149	689323	44.601	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	626825	41.938	ng	98
88) Benzo(b)fluoranthene	14.998	252	571343	39.222	ng	99
89) Benzo(k)fluoranthene	15.027	252	534749	41.439	ng	99
90) Benzo(a)pyrene	15.357	252	503731	40.922	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	510363	42.442	ng	98
92) Benzo(g,h,i)perylene	17.298	276	518300	41.452	ng	98

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

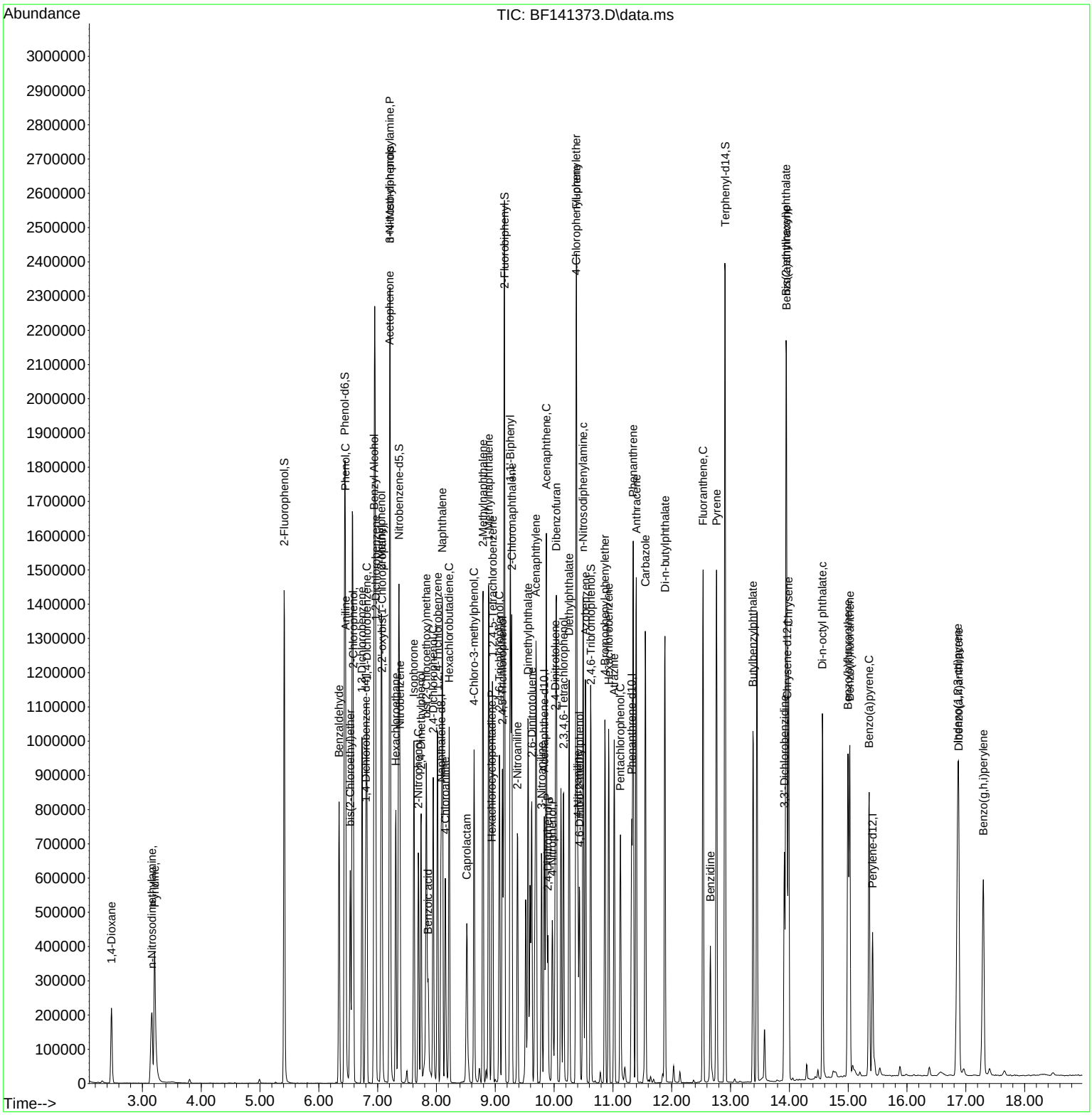
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

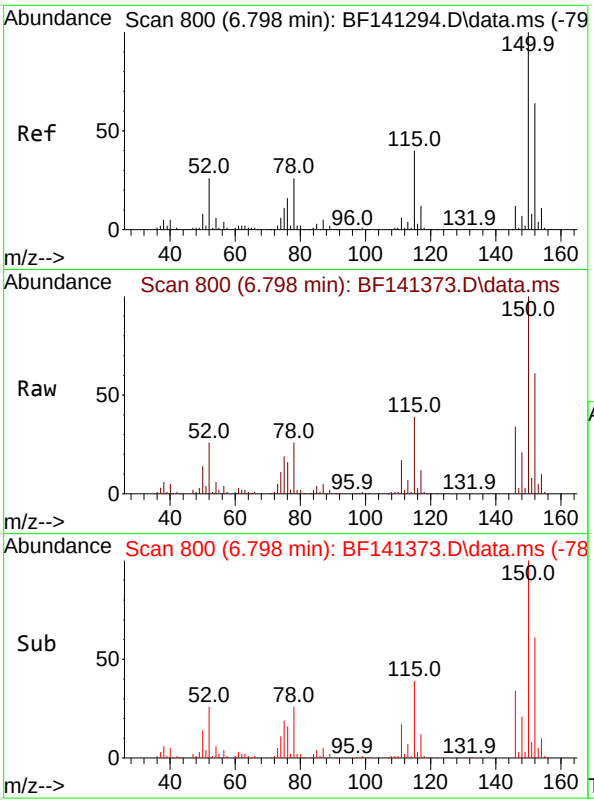
Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

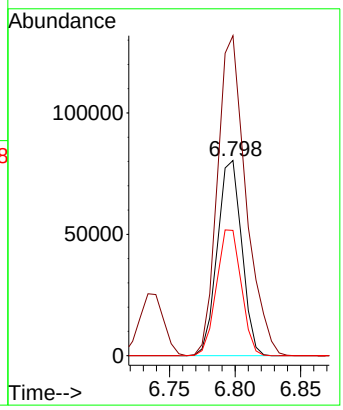




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:152 Resp: 10416

Ion	Ratio	Lower	Upper
152	100		
150	163.9	125.9	188.9
115	64.2	49.7	74.5



Instrument :
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ClientSampleId :
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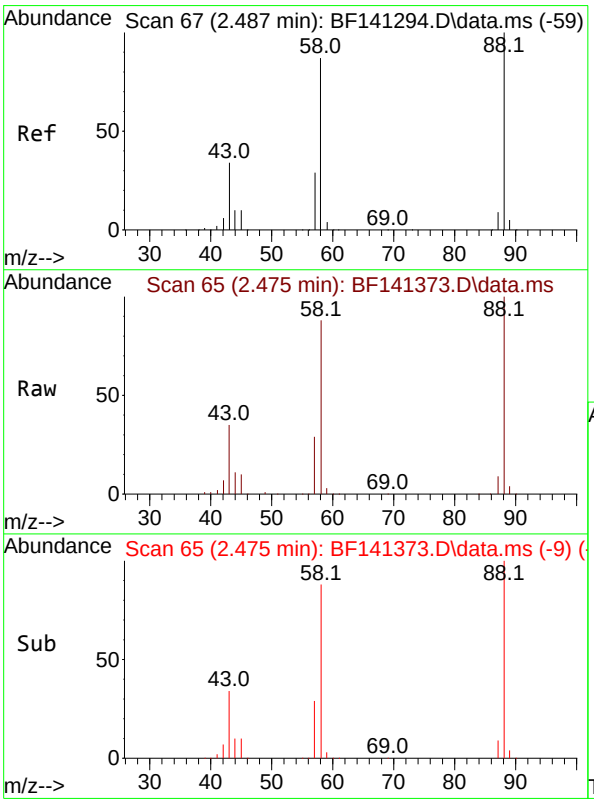
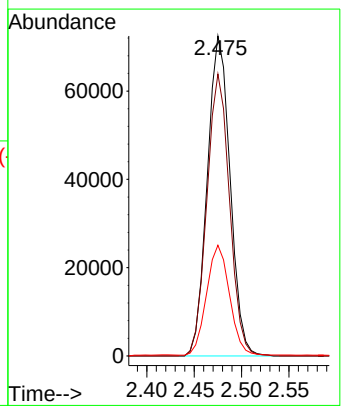
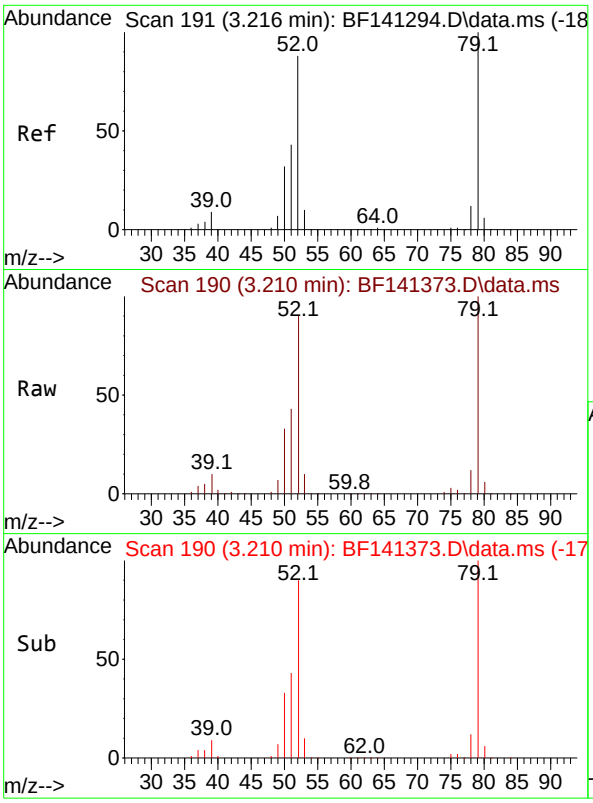


#2
1,4-Dioxane
Concen: 40.599 ng
RT: 2.475 min Scan# 65
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 88 Resp: 121152

Ion	Ratio	Lower	Upper
88	100		
58	87.5	70.2	105.4
43	34.6	27.6	41.4

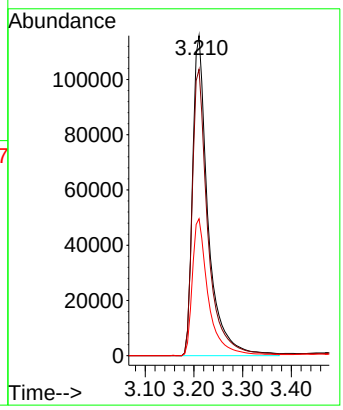




#3
Pyridine
Concen: 35.706 ng
RT: 3.210 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 79 Resp: 25672

Ion	Ratio	Lower	Upper
79	100		
52	89.5	70.3	105.5
51	42.8	34.3	51.5



Instrument :
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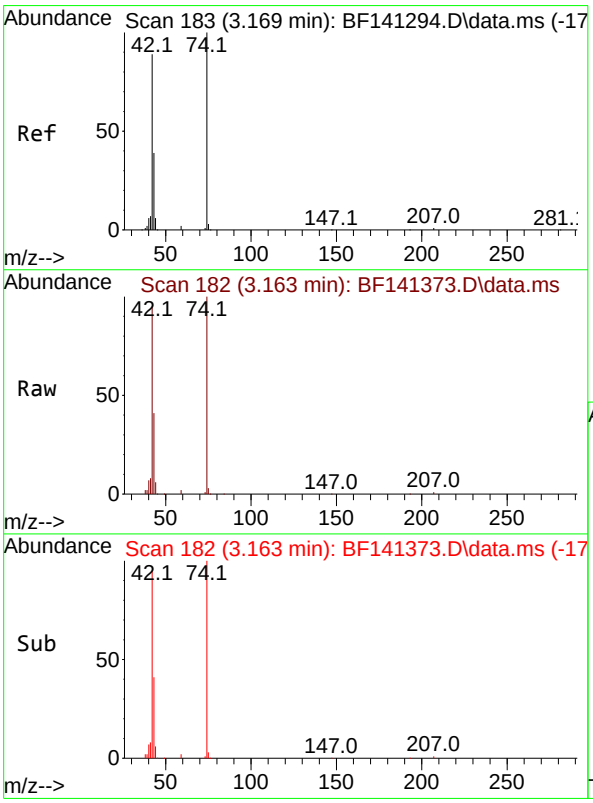
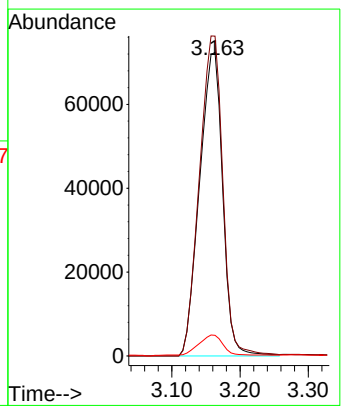
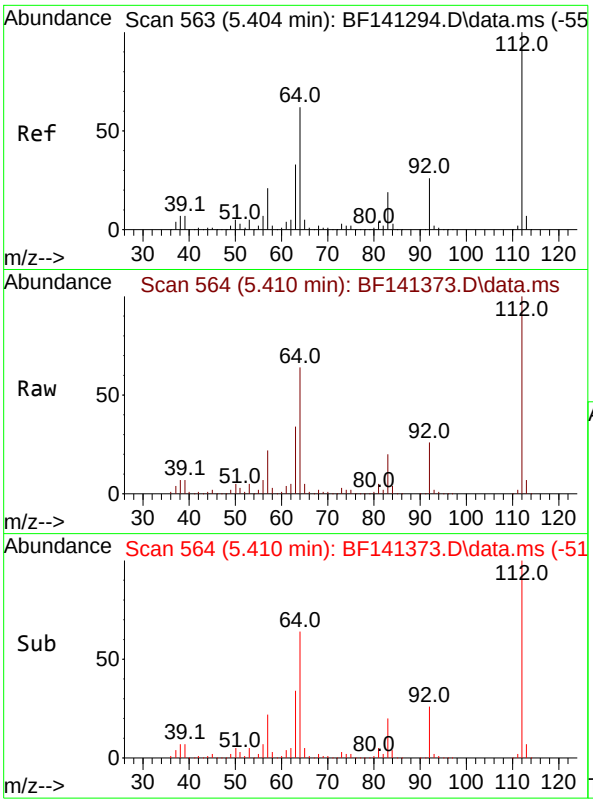


#4
n-Nitrosodimethylamine
Concen: 41.662 ng
RT: 3.163 min Scan# 182
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 42 Resp: 171120

Ion	Ratio	Lower	Upper
42	100		
74	105.3	90.3	135.5
44	6.8	5.7	8.5

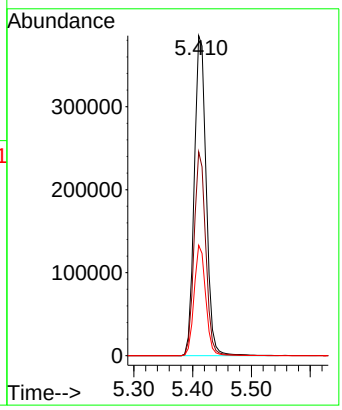




#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.410 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:112 Resp: 54260

Ion	Ratio	Lower	Upper
112	100		
64	63.7	49.8	74.8
63	34.5	26.1	39.1



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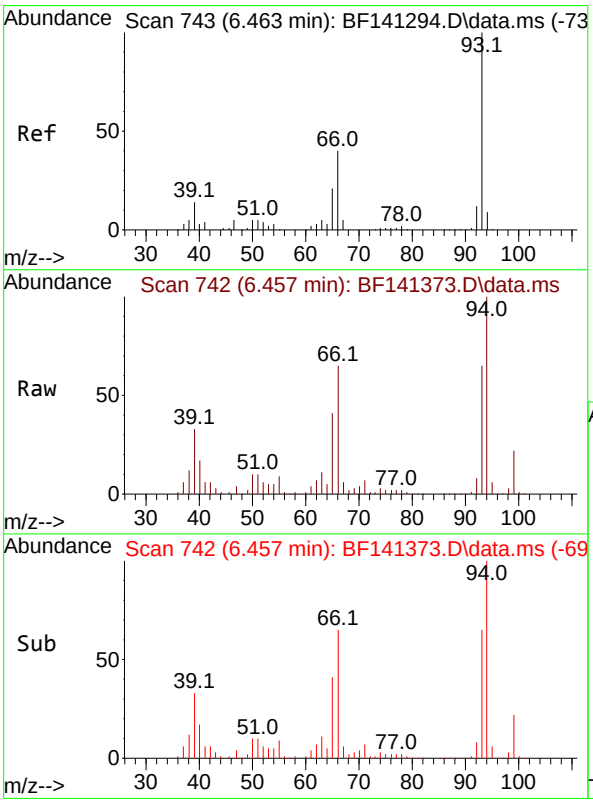
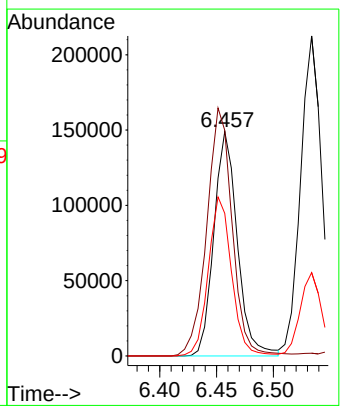
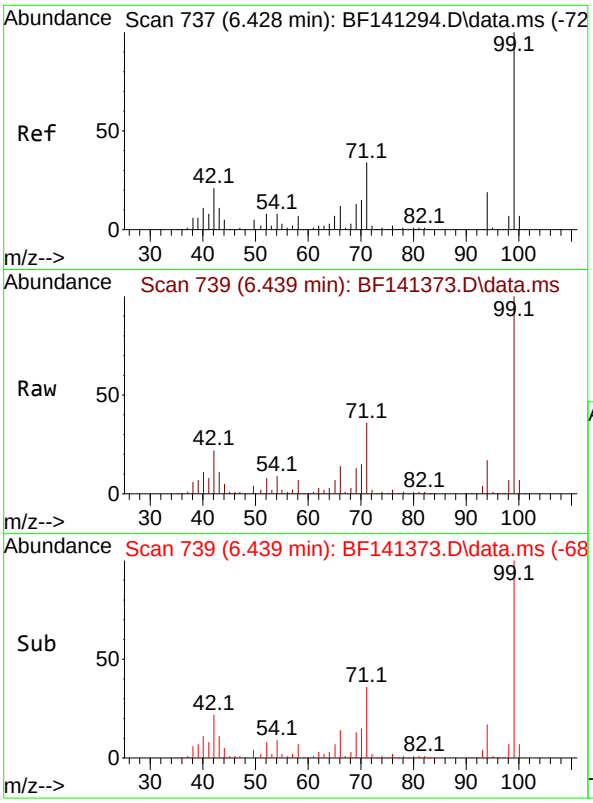


#6
Aniline
Concen: 29.356 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 93 Resp: 214496

Ion	Ratio	Lower	Upper
93	100		
66	100.5	32.5	48.7#
65	63.5	17.0	25.6#





#7
Phenol-d6
Concen: 77.133 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 99 Resp: 66579

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.1	25.7
71	35.6	26.9	40.3

Instrument :
BNA_F
ClientSampleId :
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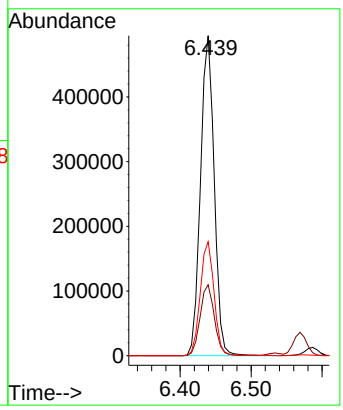
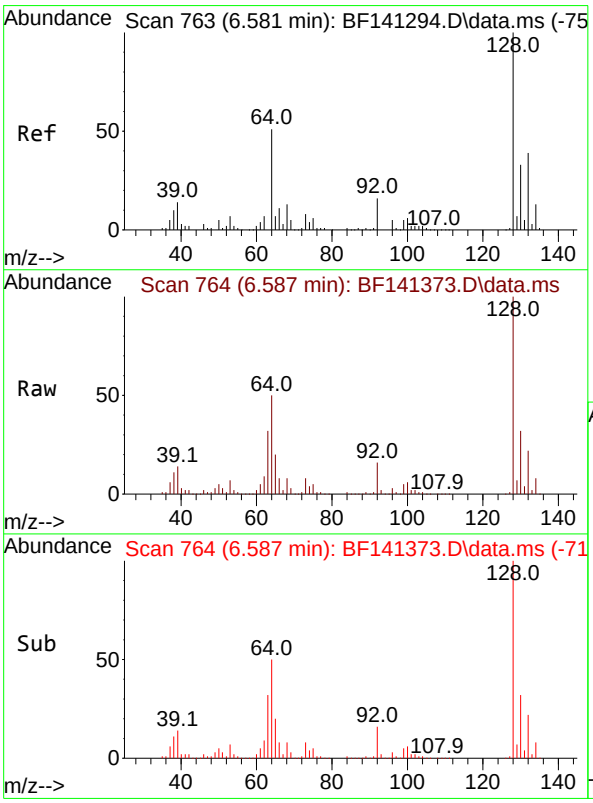
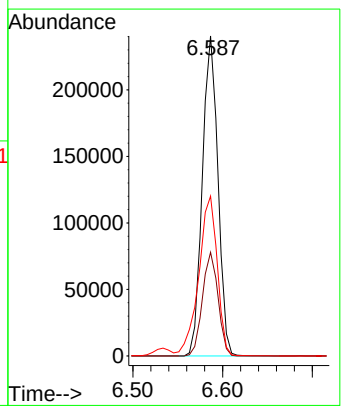


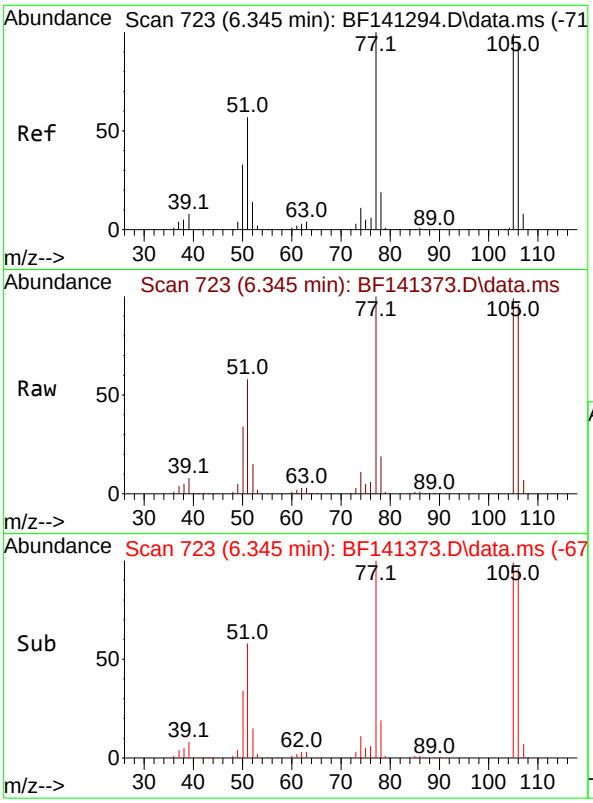


#8
2-Chlorophenol
Concen: 39.841 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:128 Resp: 289746

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.5	52.5
64	50.0	32.9	72.9

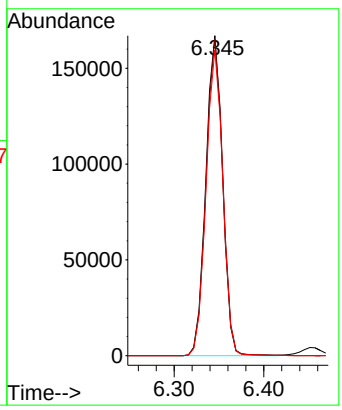




#9
Benzaldehyde
Concen: 43.247 ng
RT: 6.345 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 77 Resp: 21622

Ion	Ratio	Lower	Upper
77	100		
105	99.0	79.4	119.4
106	95.5	74.6	114.6



Instrument :
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ClientSampleId :
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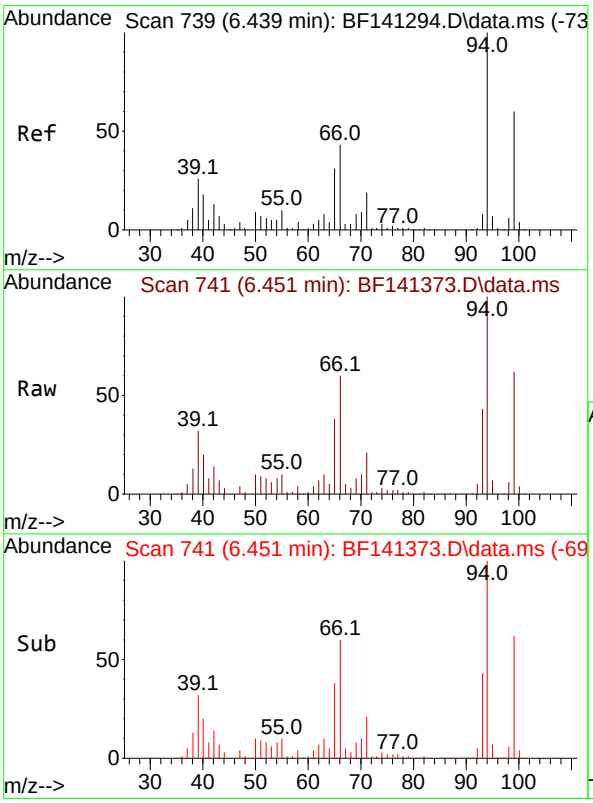
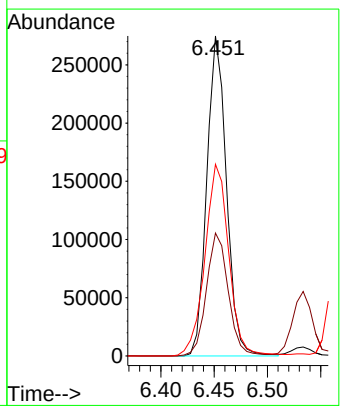
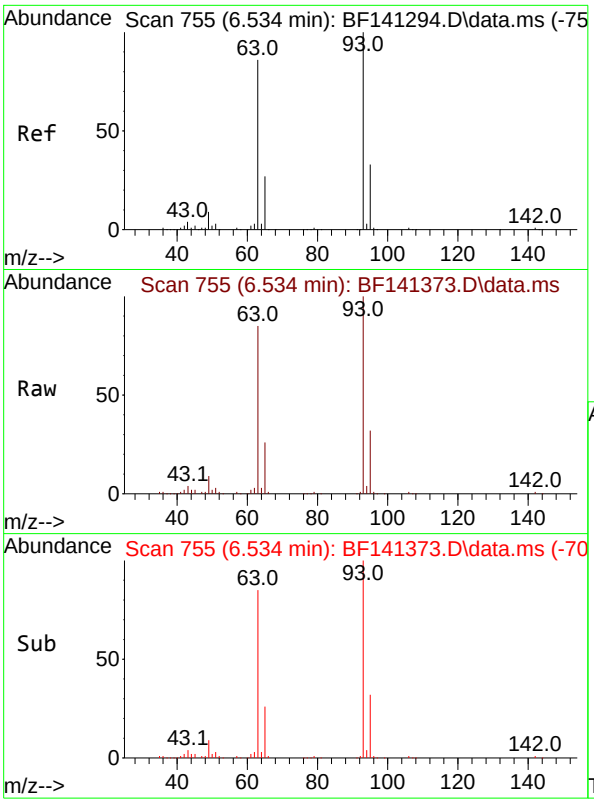


#10
Phenol
Concen: 38.559 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 94 Resp: 352818

Ion	Ratio	Lower	Upper
94	100		
65	38.4	10.8	50.8
66	59.9	23.3	63.3

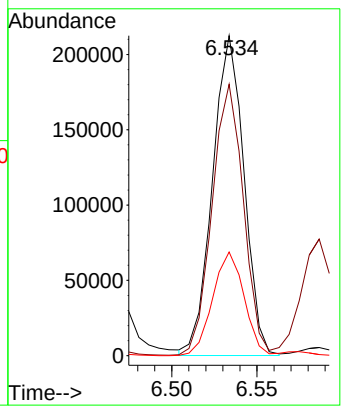




#11
bis(2-Chloroethyl)ether
Concen: 38.887 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 93 Resp: 27282

Ion	Ratio	Lower	Upper
93	100		
63	84.8	65.0	105.0
95	32.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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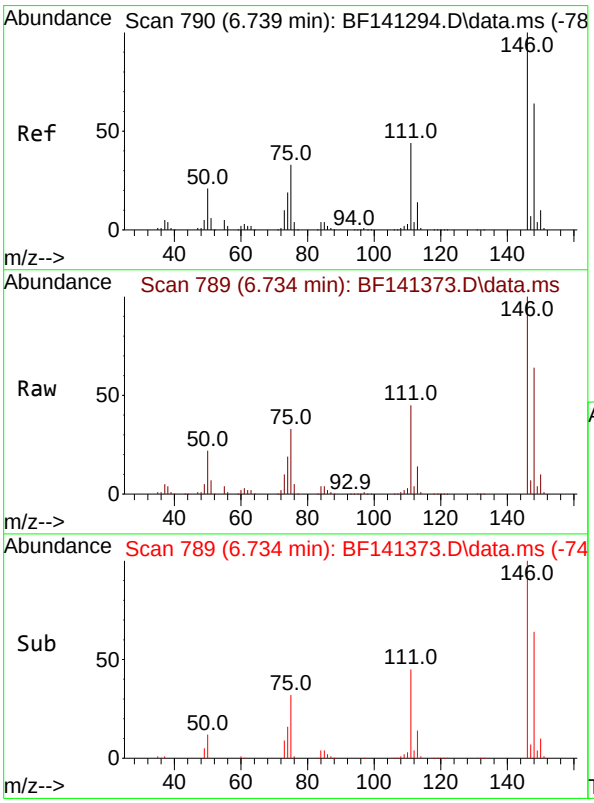
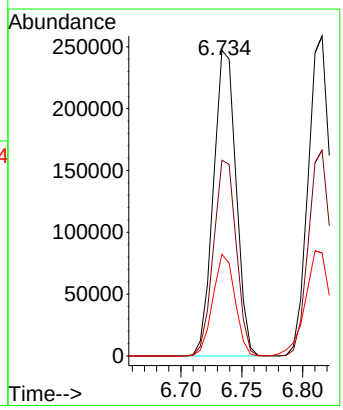
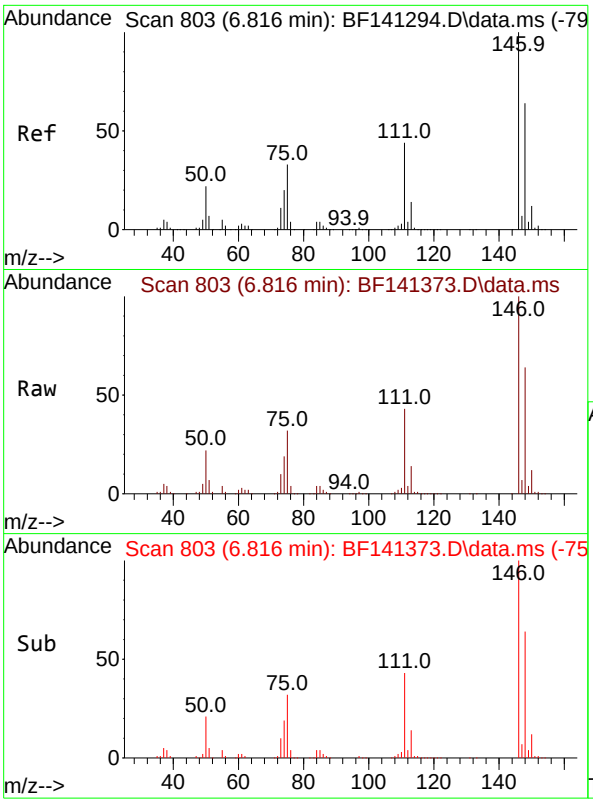


#12
1,3-Dichlorobenzene
Concen: 39.899 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 319939

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
75	33.3	26.2	39.4

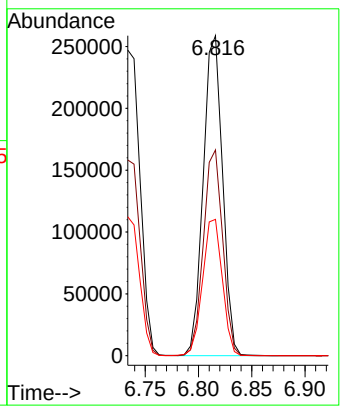




#13
1,4-Dichlorobenzene
Concen: 40.605 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 32710

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	42.6	35.0	52.4



Instrument :
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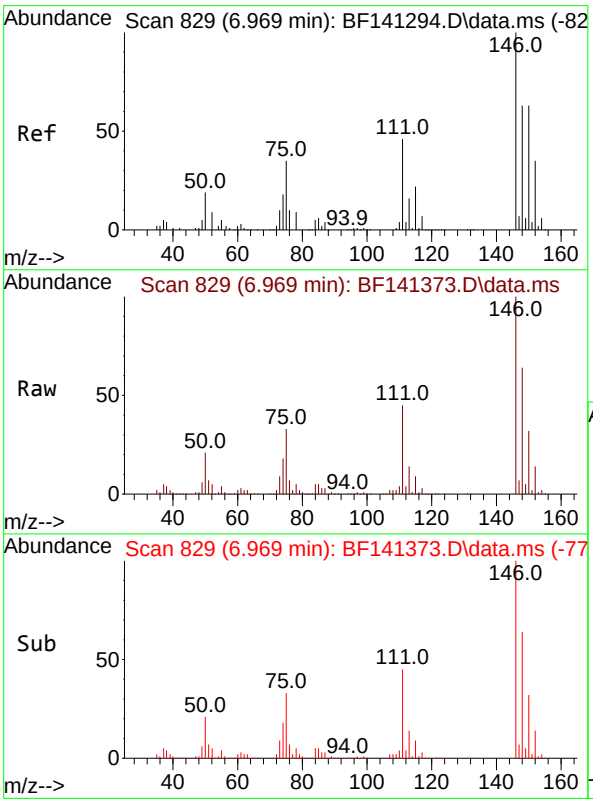
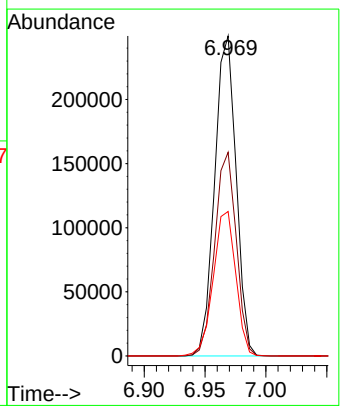
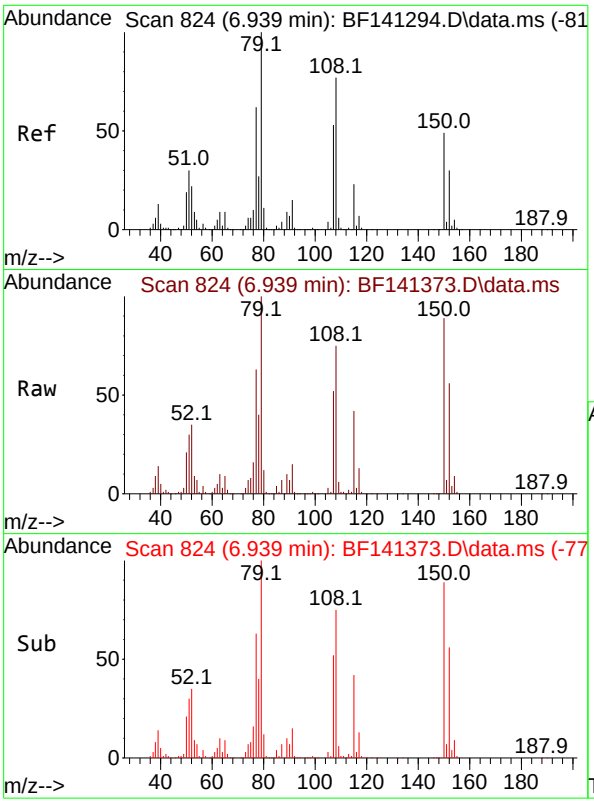


#14
1,2-Dichlorobenzene
Concen: 40.620 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:146 Resp: 306404

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	45.2	36.6	55.0

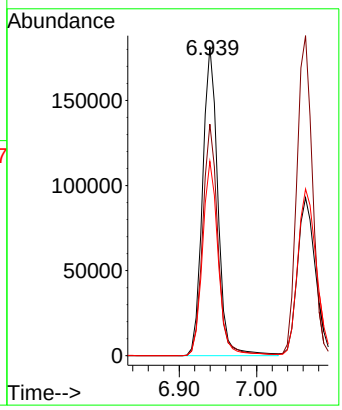




#15
Benzyl Alcohol
Concen: 42.330 ng
RT: 6.939 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 79 Resp: 24970

Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.4	92.0
77	62.9	49.9	74.9



Instrument :
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ClientSampleId :
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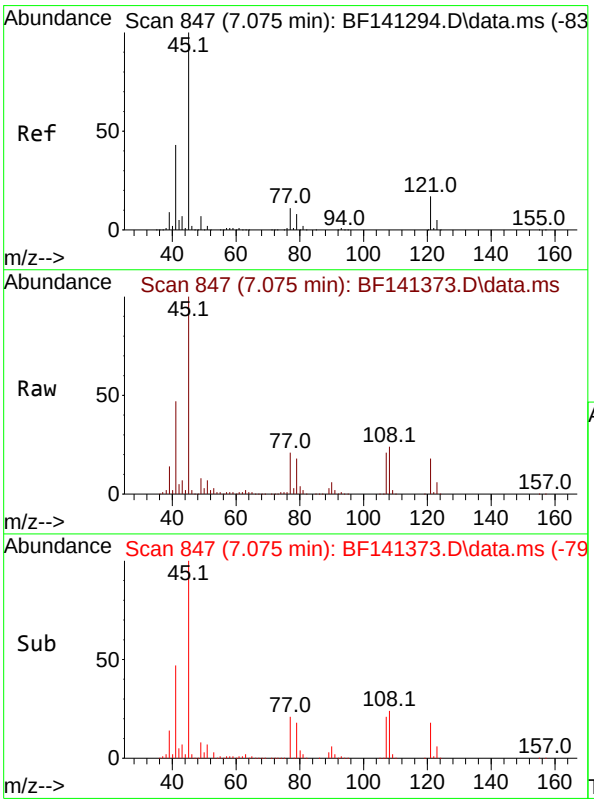
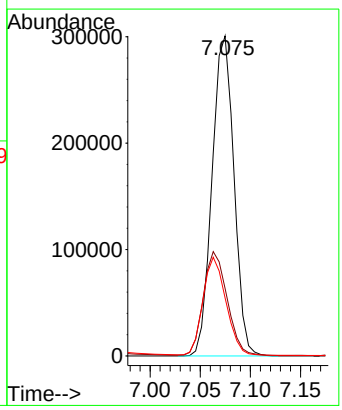
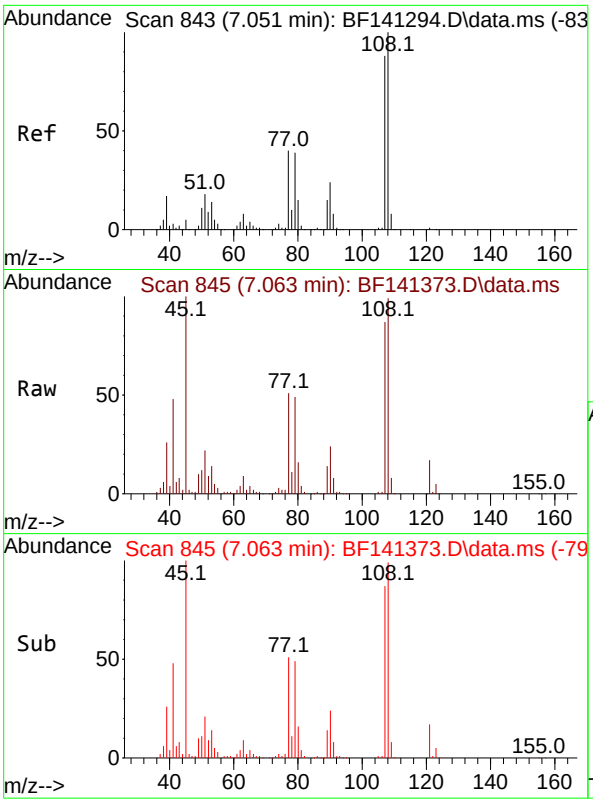


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.424 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 45 Resp: 456565

Ion	Ratio	Lower	Upper
45	100		
77	21.1	0.0	31.8
79	18.1	0.0	29.1

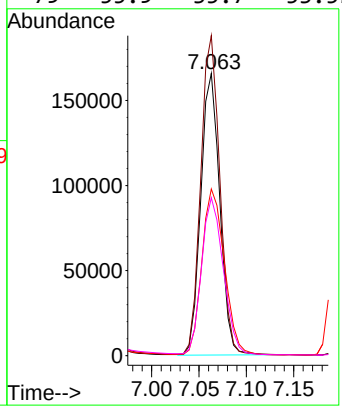




#17
2-Methylphenol
Concen: 39.098 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 23109

Ion	Ratio	Lower	Upper
107	100		
108	113.4	90.8	136.2
77	59.1	36.2	54.4#
79	55.9	35.7	53.5#



Instrument :
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ClientSampleId :
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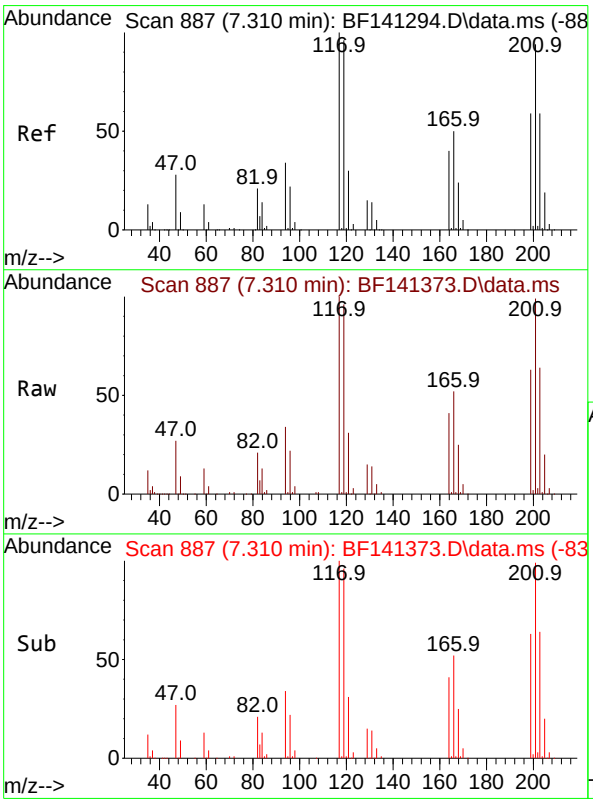
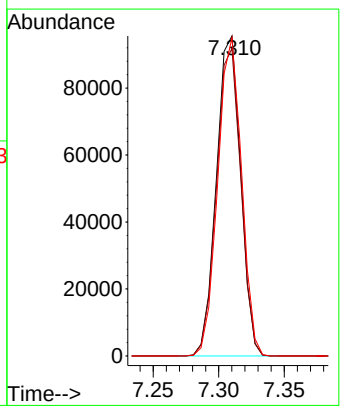
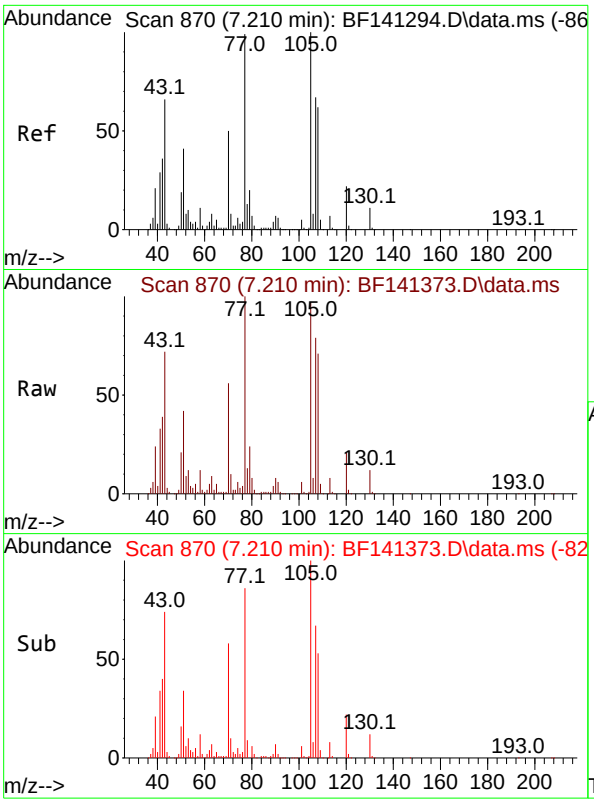


#18
Hexachloroethane
Concen: 41.378 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:117 Resp: 122966

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.6	114.8
201	99.4	74.8	112.2

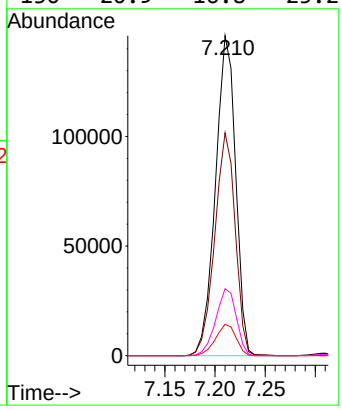




#19
n-Nitroso-di-n-propylamine
Concen: 39.842 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 70 Resp: 20434

Ion	Ratio	Lower	Upper
70	100		
42	69.6	56.8	85.2
101	9.8	7.7	11.5
130	20.9	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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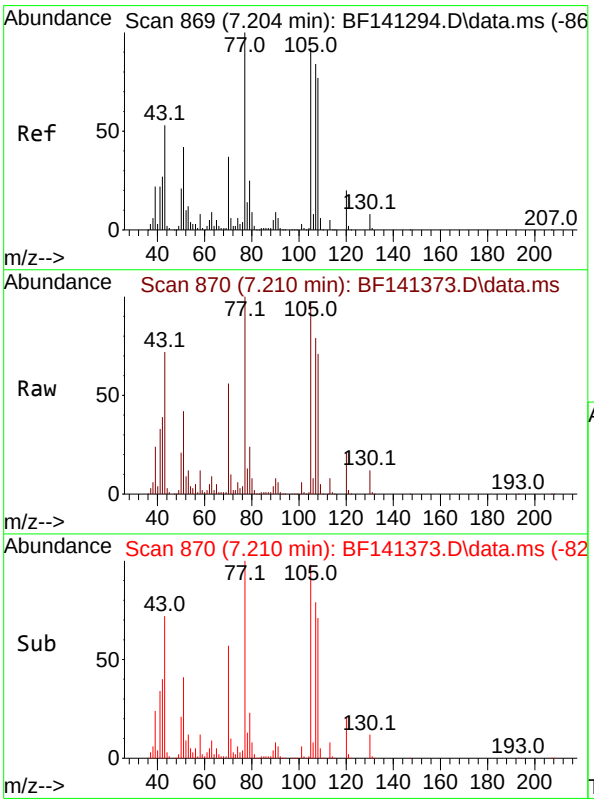
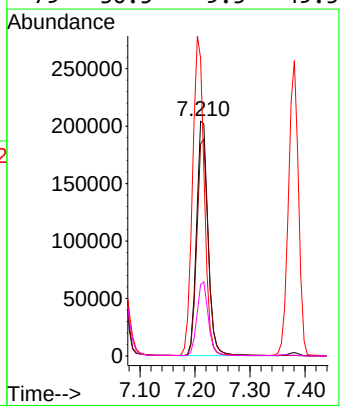
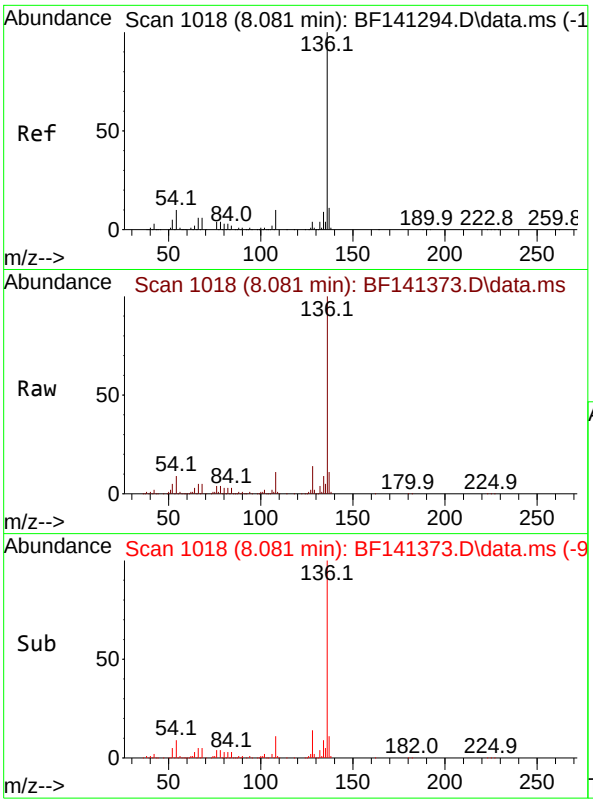


#20
3+4-Methylphenols
Concen: 40.751 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 295742

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.9	110.9
77	126.9	98.5	138.5
79	30.5	9.5	49.5

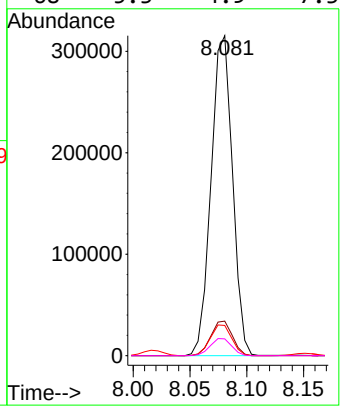




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:136 Resp: 41441

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.5	7.8	11.8
68	5.3	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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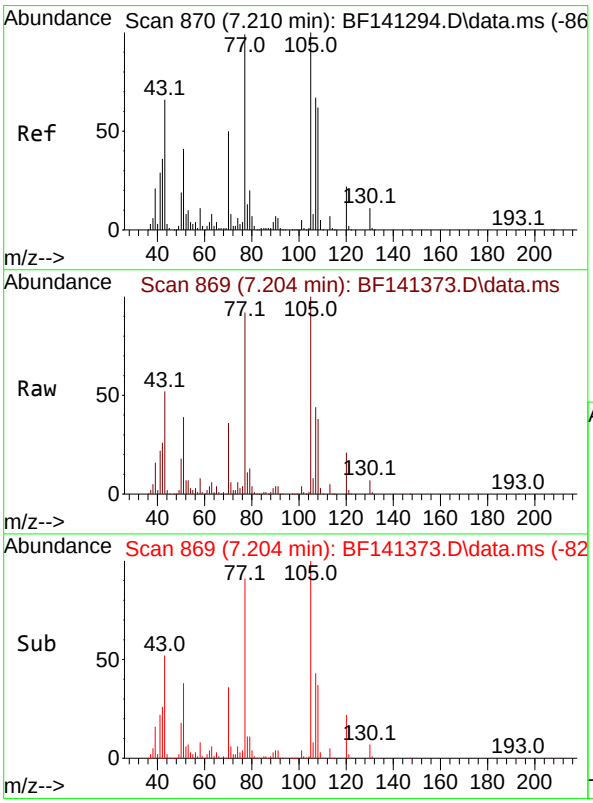
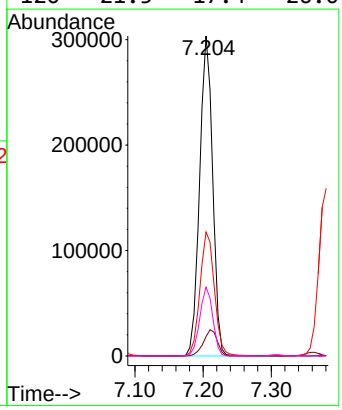
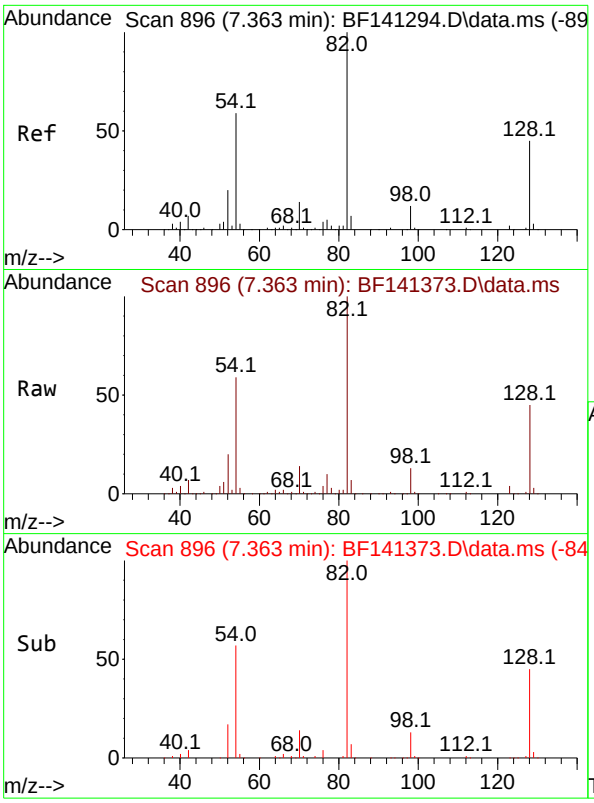


#22
Acetophenone
Concen: 40.923 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:105 Resp: 403113

Ion	Ratio	Lower	Upper
105	100		
71	6.0	6.8	10.2#
51	38.8	32.6	49.0
120	21.5	17.4	26.0





#23
Nitrobenzene-d5
Concen: 80.499 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 82 Resp: 63281

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	58.5	47.1	70.7

Instrument :
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ClientSampleId :
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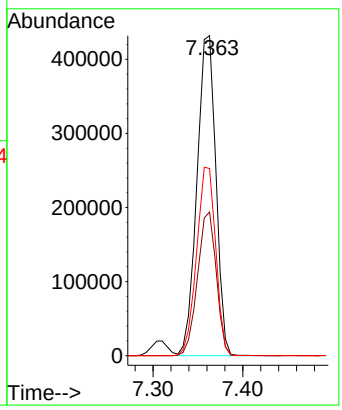
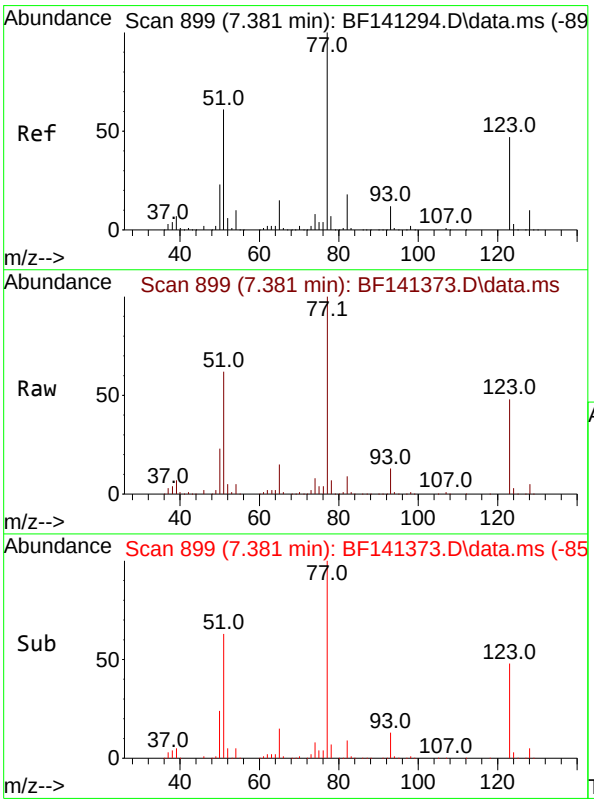
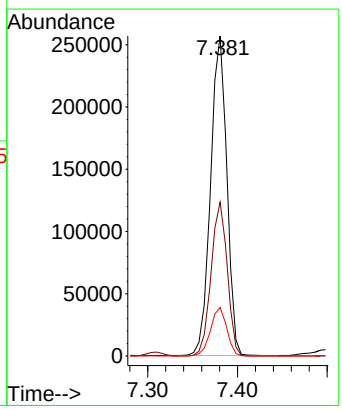


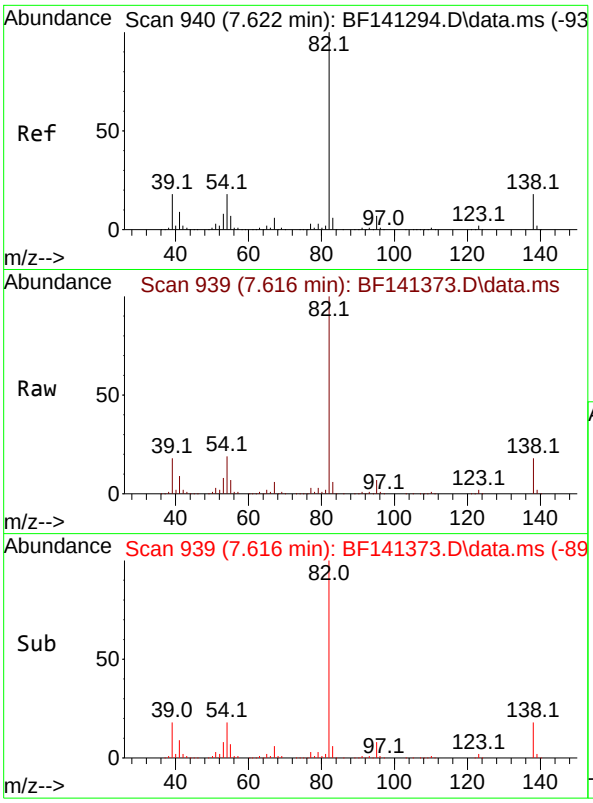


#24
Nitrobenzene
Concen: 39.612 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 77 Resp: 322702

Ion	Ratio	Lower	Upper
77	100		
123	48.1	37.3	55.9
65	15.1	11.8	17.6

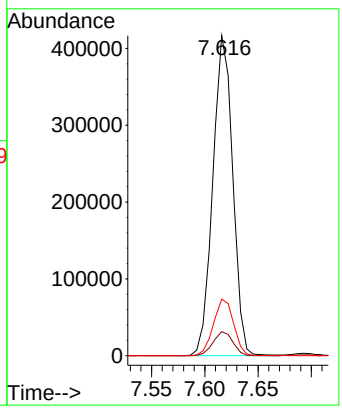




#25
Isophorone
Concen: 39.816 ng
RT: 7.616 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 82 Resp: 54105

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.8	8.6
138	17.7	14.7	22.1



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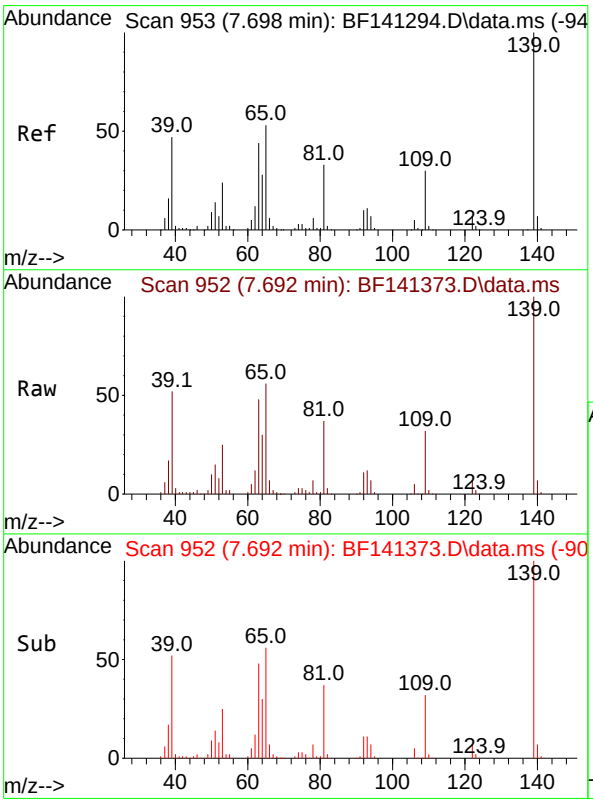
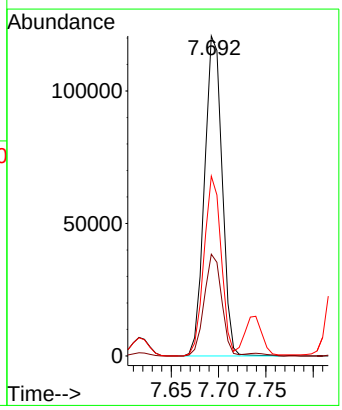
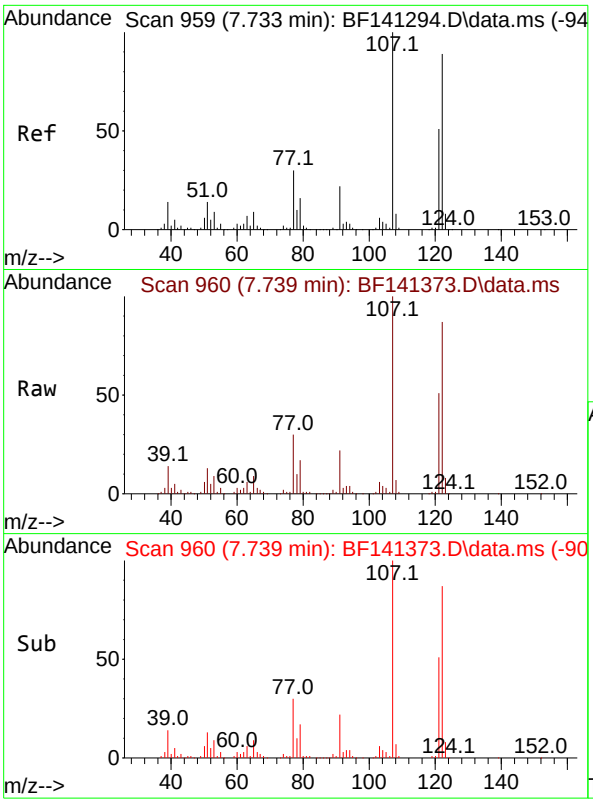


#26
2-Nitrophenol
Concen: 40.576 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:139 Resp: 155896

Ion	Ratio	Lower	Upper
139	100		
109	31.8	23.8	35.6
65	56.2	42.2	63.4

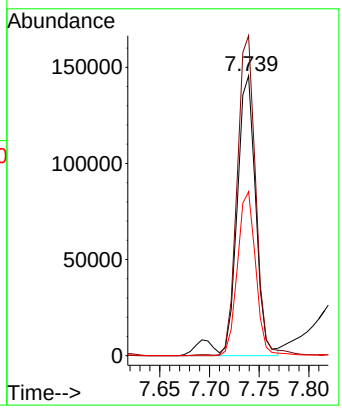




#27
2,4-Dimethylphenol
Concen: 40.168 ng m
RT: 7.739 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:122 Resp: 19643

Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.9	134.9
121	58.6	46.1	69.1



Instrument :
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ClientSampleId :
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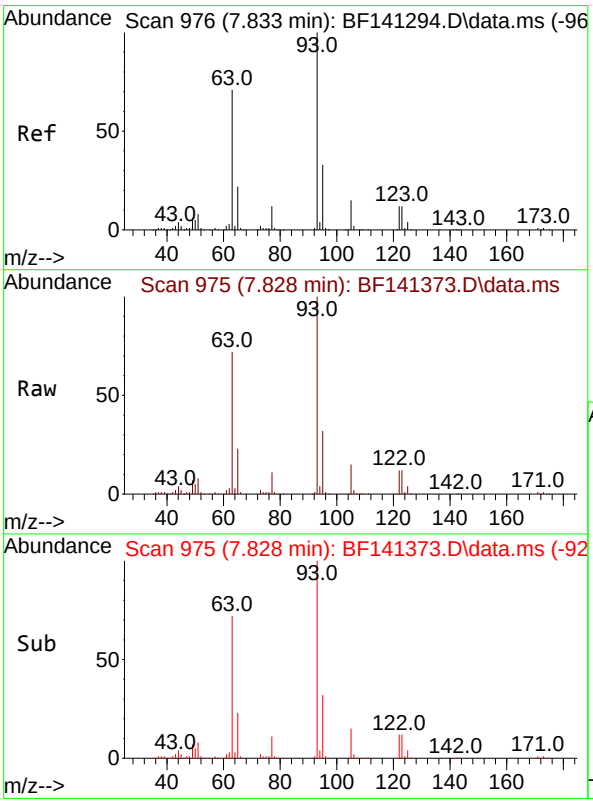
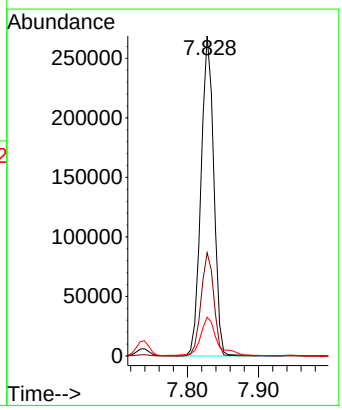
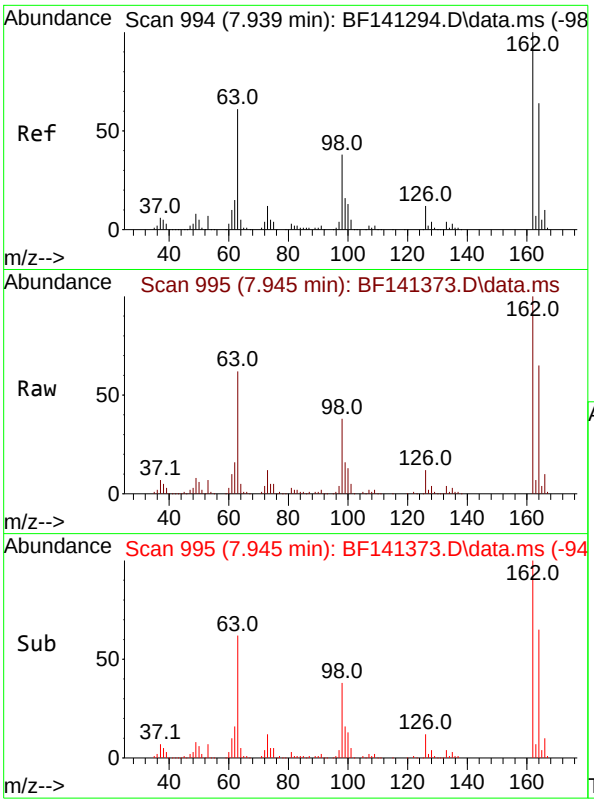


#28
bis(2-Chloroethoxy)methane
Concen: 39.010 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 93 Resp: 338131

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.2
123	12.1	10.2	15.4

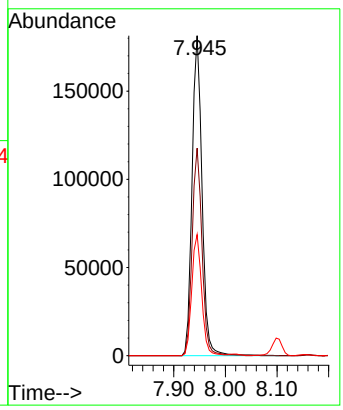




#29
2,4-Dichlorophenol
Concen: 40.508 ng
RT: 7.945 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:162 Resp: 24251

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	37.9	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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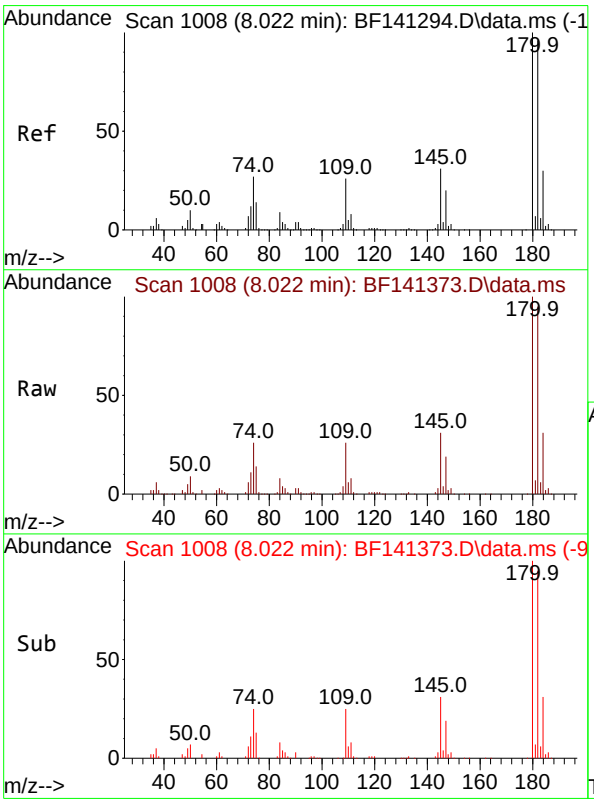
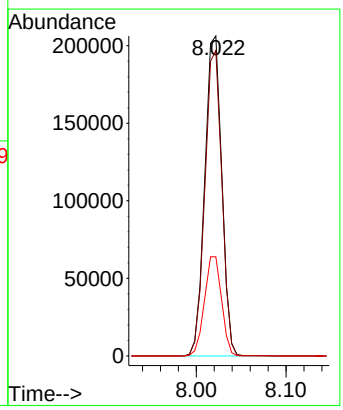
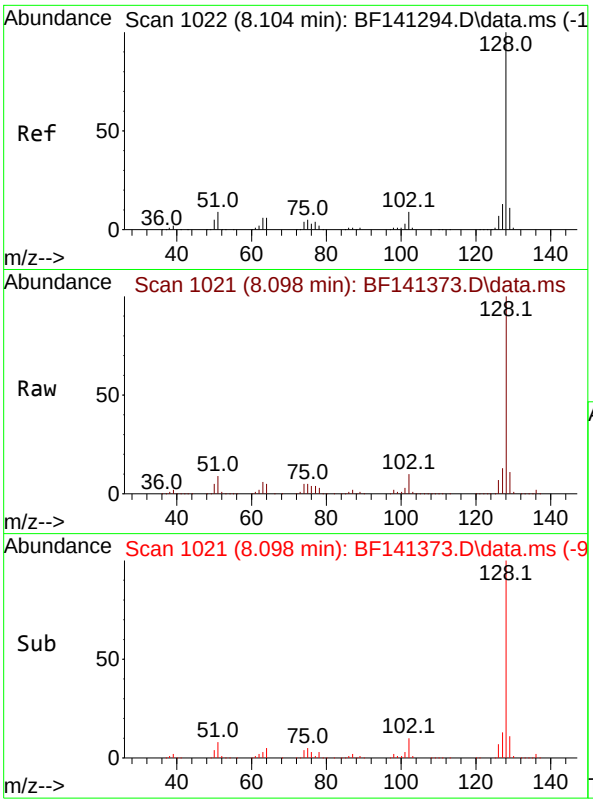


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:180 Resp: 271821

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
145	31.0	24.9	37.3





#31
Naphthalene
Concen: 39.616 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 86729

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.6	15.8

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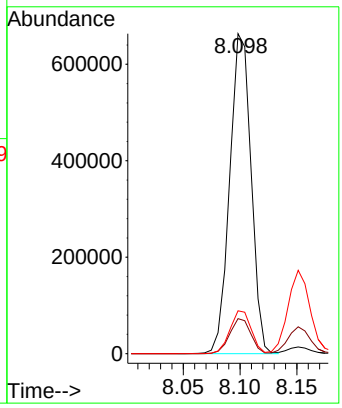
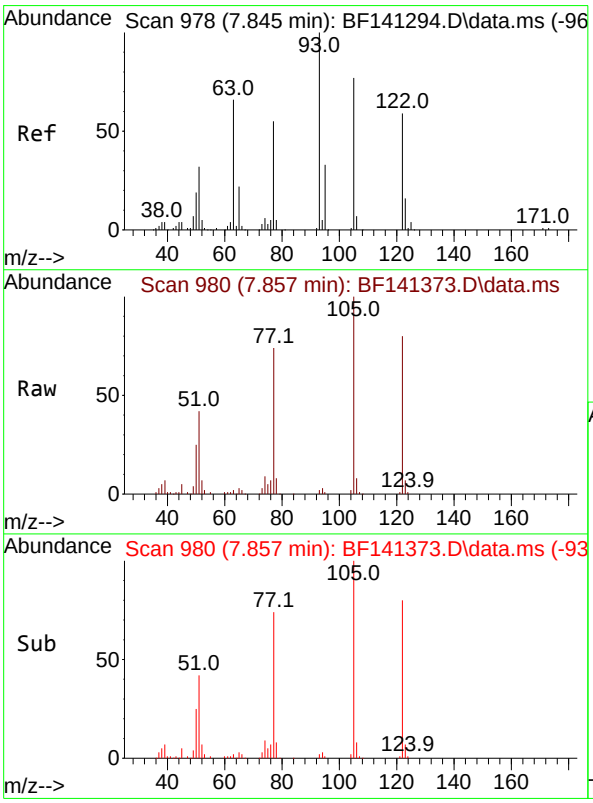
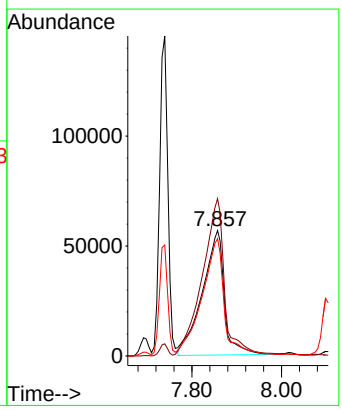


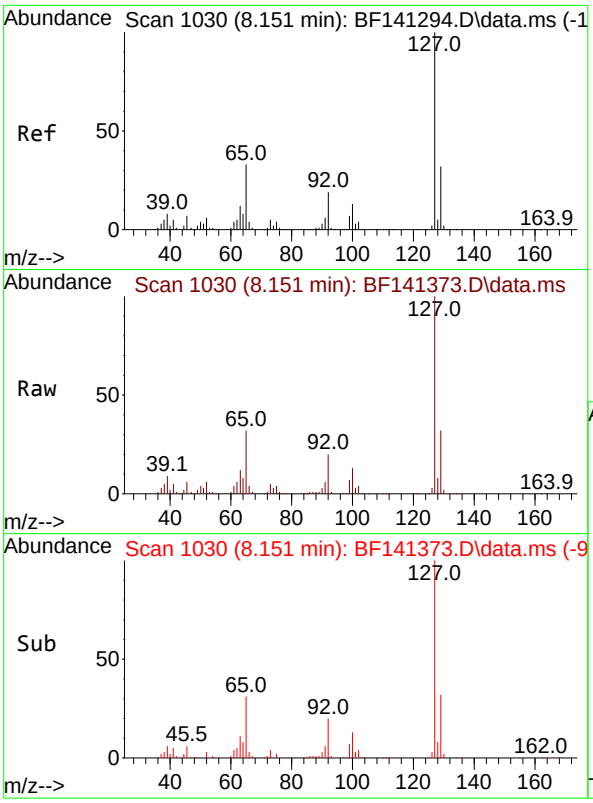


#32
Benzoic acid
Concen: 42.934 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:122 Resp: 193009

Ion	Ratio	Lower	Upper
122	100		
105	125.4	103.4	143.4
77	93.4	70.9	110.9

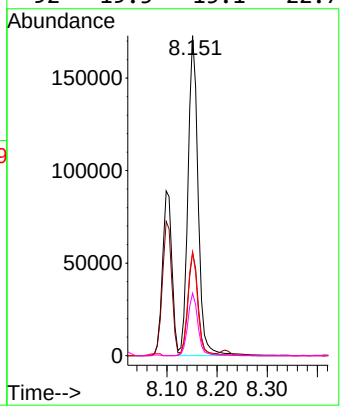




#33
4-Chloroaniline
Concen: 32.676 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:127 Resp: 24258

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	32.4	26.4	39.6
92	19.5	15.1	22.7



Instrument :
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ClientSampleId :
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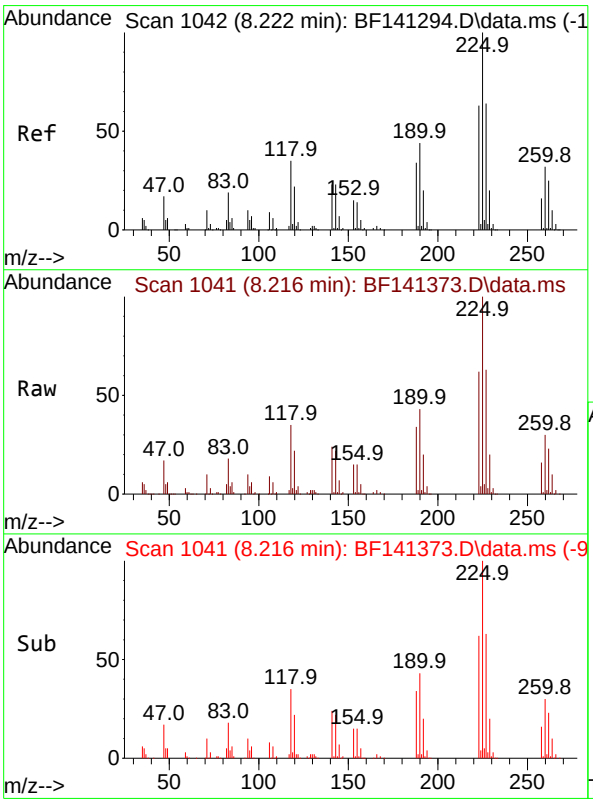
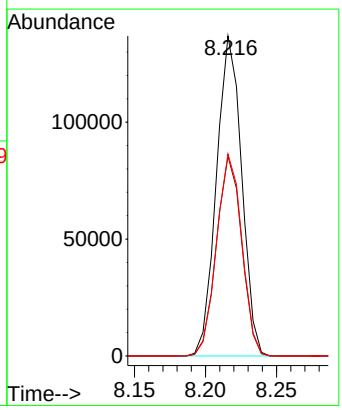
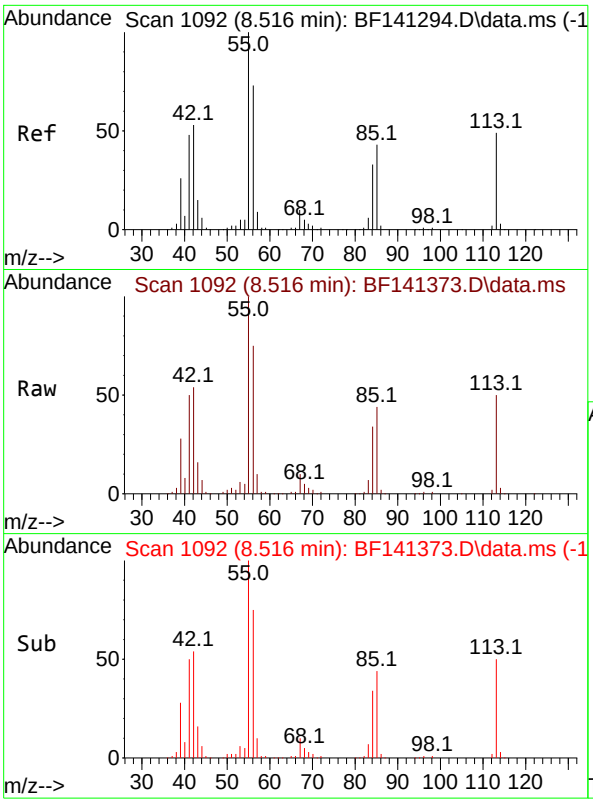


#34
Hexachlorobutadiene
Concen: 42.128 ng
RT: 8.216 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:225 Resp: 168912

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6
227	63.2	51.3	76.9





#35
Caprolactam
Concen: 40.764 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:113 Resp: 7970

Ion	Ratio	Lower	Upper
113	100		
55	199.2	182.9	222.9
56	149.3	127.9	167.9

Instrument :
BNA_F
ClientSampleId :
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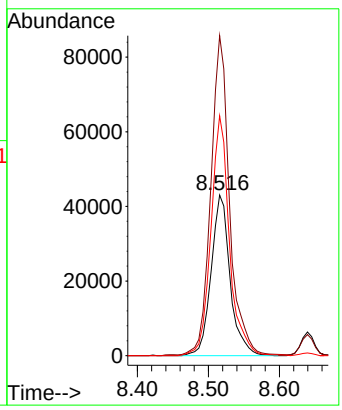
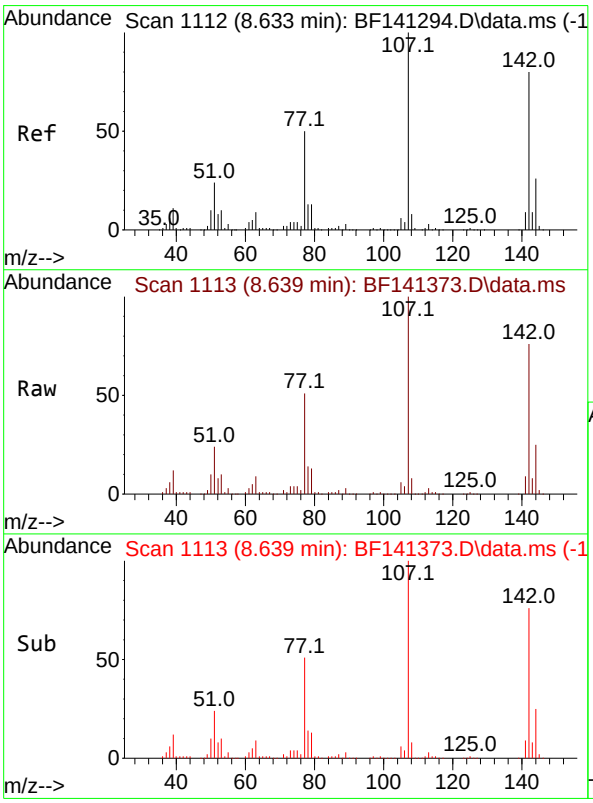
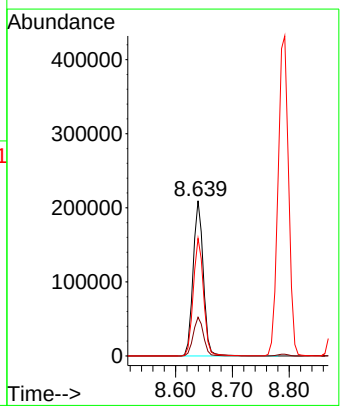


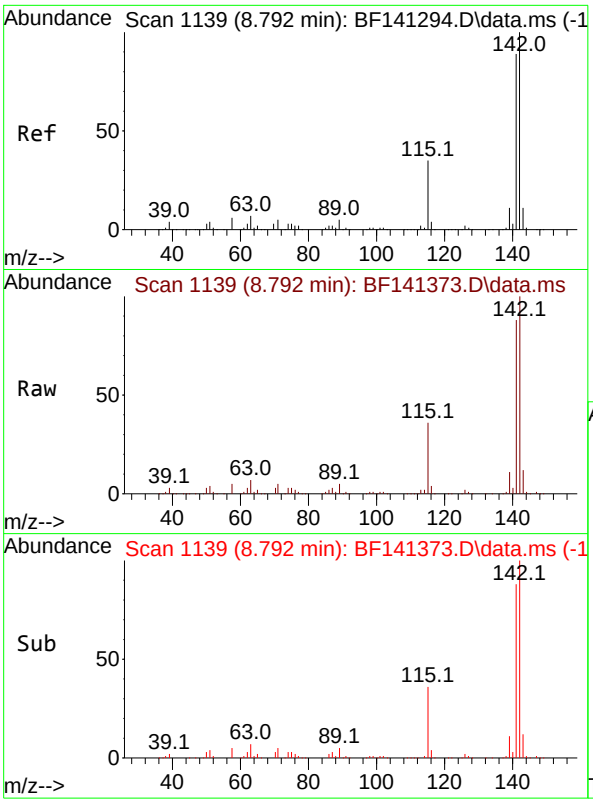


#36
4-Chloro-3-methylphenol
Concen: 41.066 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:107 Resp: 263711

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.7	31.1
142	75.7	63.8	95.8

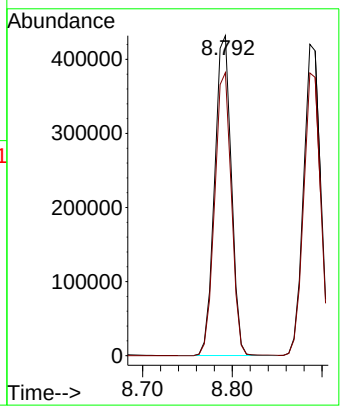




#37
2-Methylnaphthalene
Concen: 40.024 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 55690

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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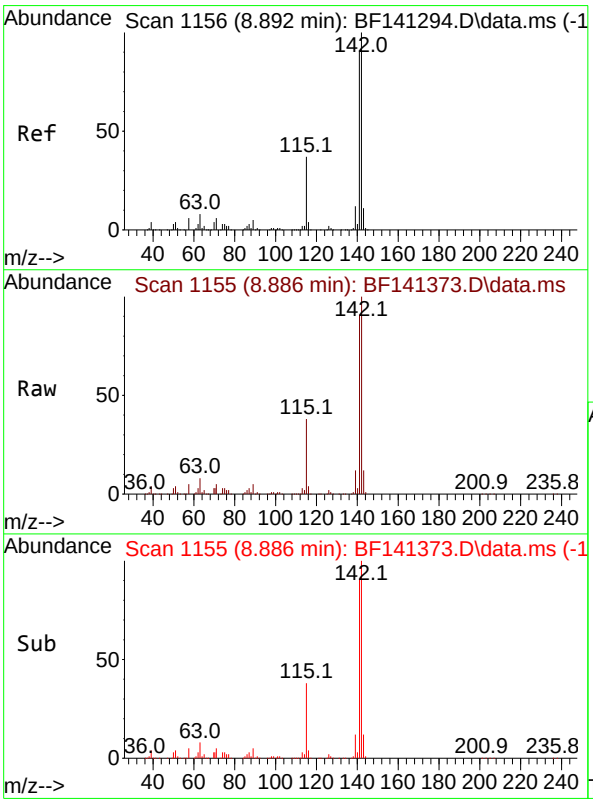
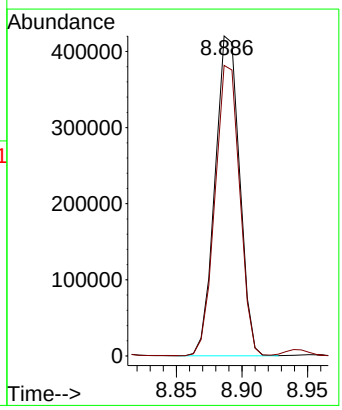
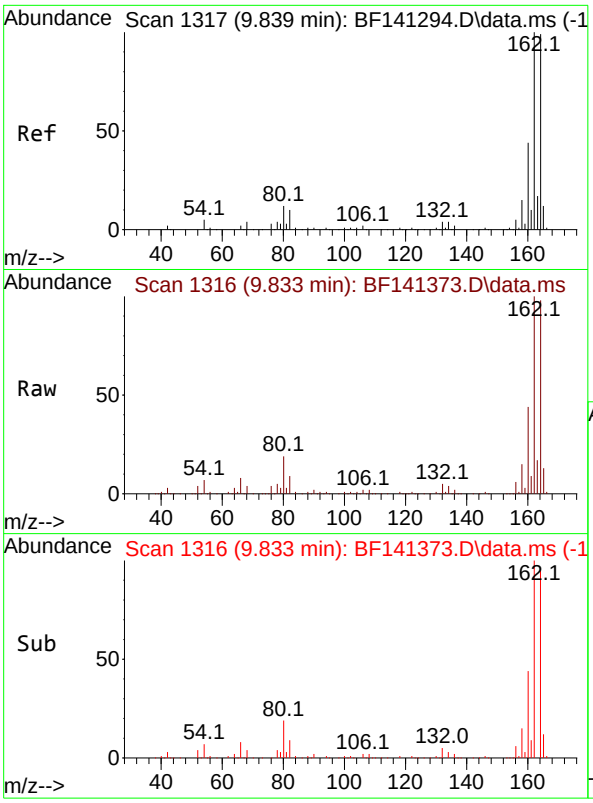


#38
1-Methylnaphthalene
Concen: 40.034 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:142 Resp: 547195

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.2	109.8

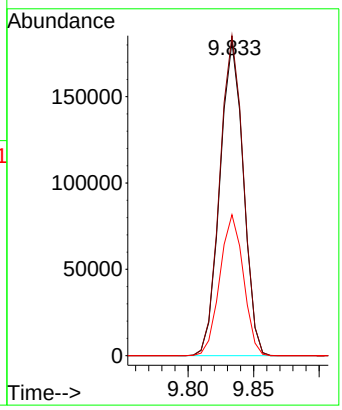




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:164 Resp: 22632

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	121.0
160	44.9	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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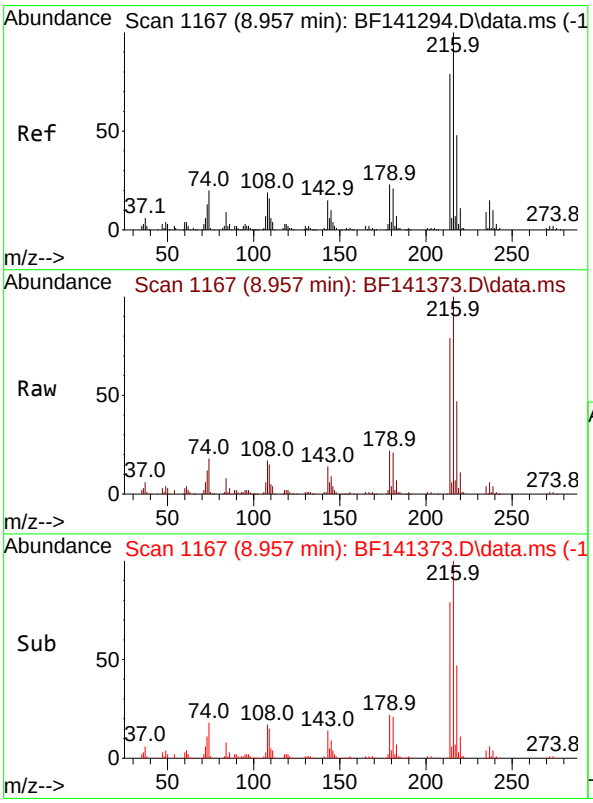
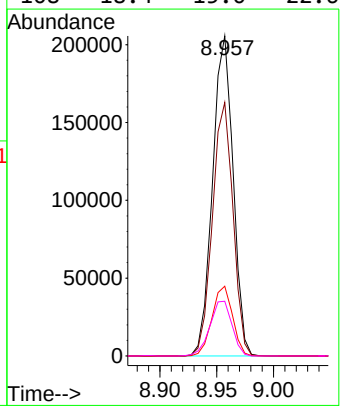
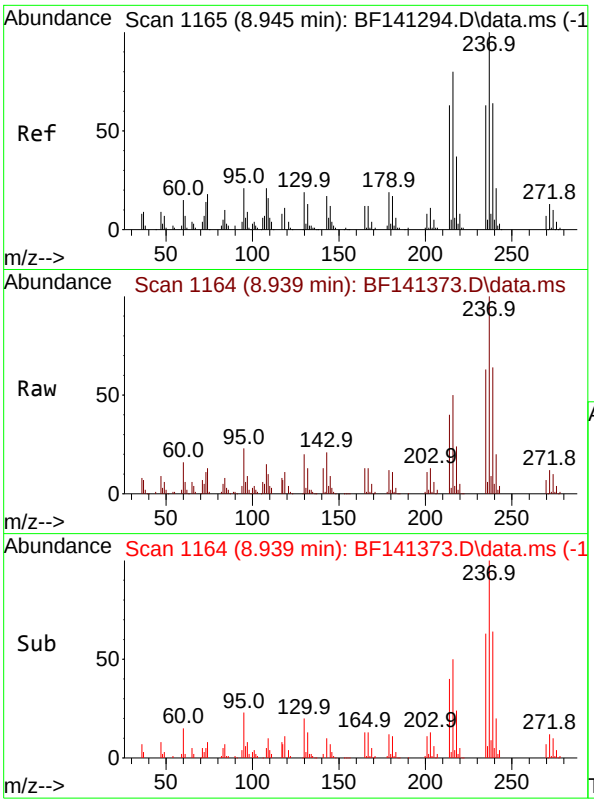


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.167 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:216 Resp: 258626

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.2	94.8
179	21.8	17.8	26.8
108	18.4	15.0	22.6

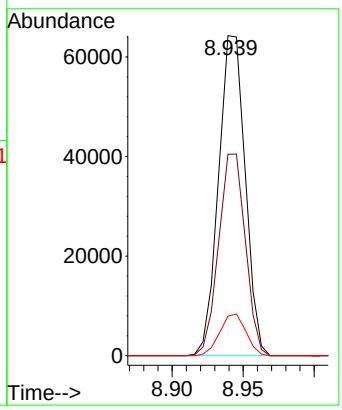




#41
Hexachlorocyclopentadiene
Concen: 44.173 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:237 Resp: 8399

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	12.4	0.0	32.8



Instrument :
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ClientSampleId :
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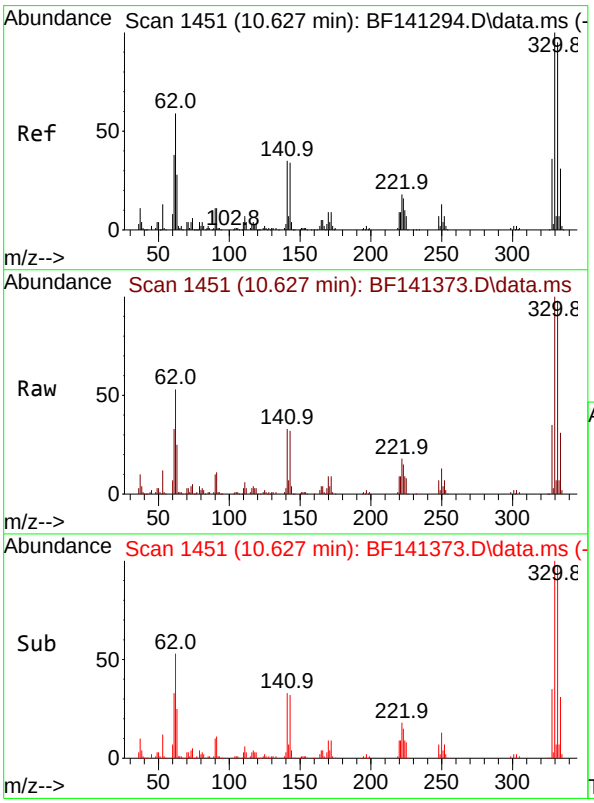
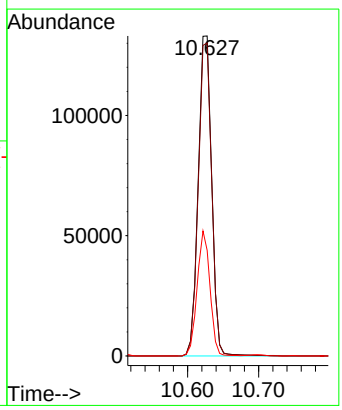
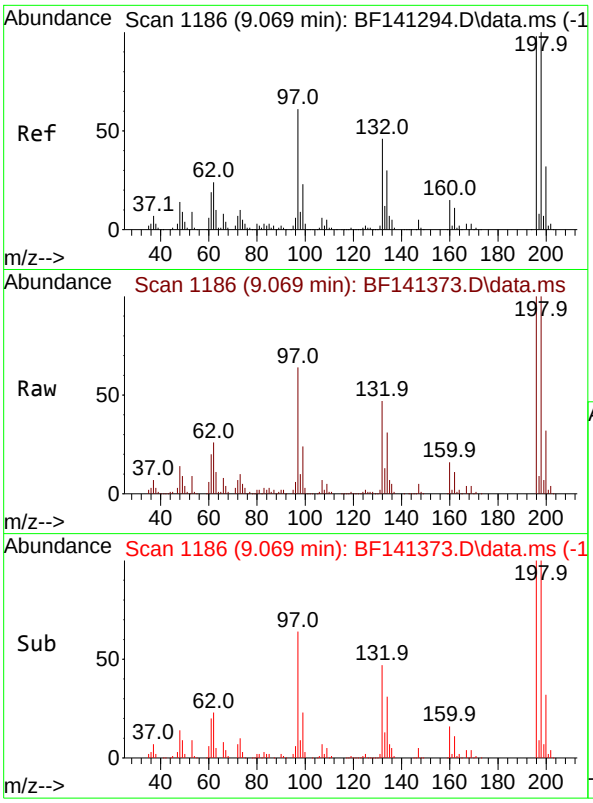


#42
2,4,6-Tribromophenol
Concen: 84.706 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:330 Resp: 175756

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.1	114.1
141	37.2	28.8	43.2

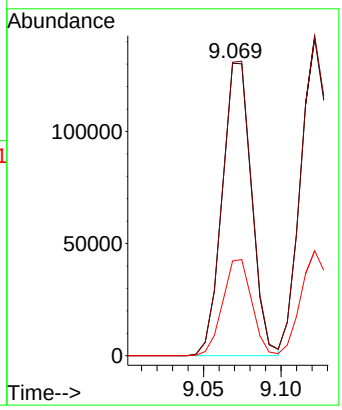




#43
2,4,6-Trichlorophenol
Concen: 40.768 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 17181

Ion	Ratio	Lower	Upper
196	100		
198	100.3	81.8	122.6
200	32.4	26.3	39.5



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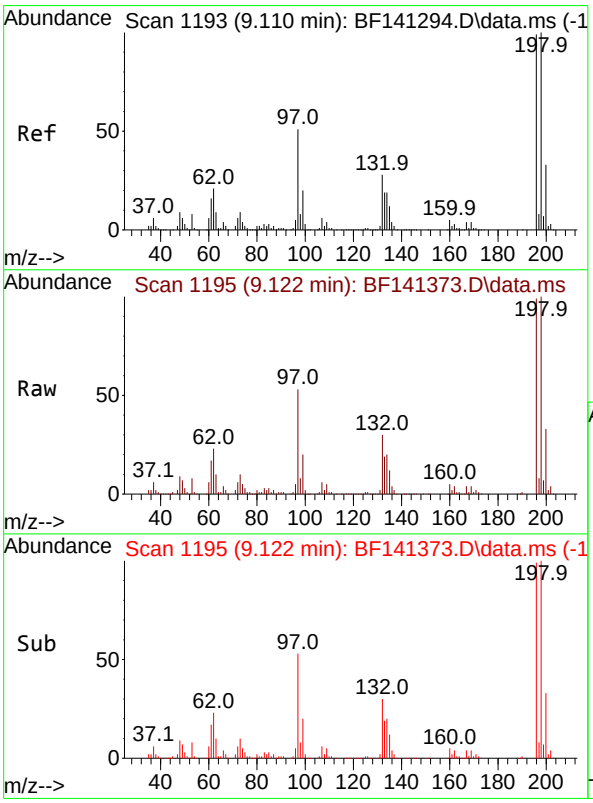
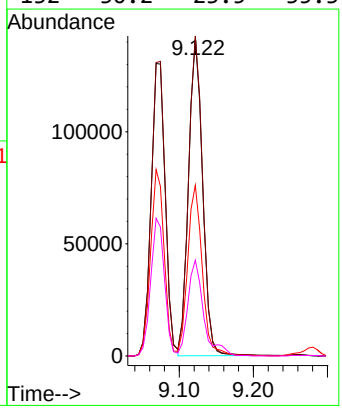
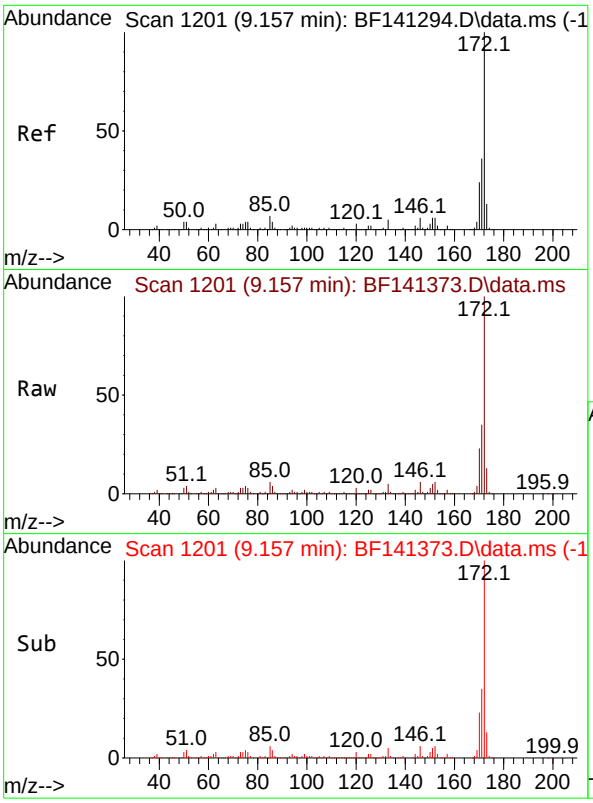


#44
2,4,5-Trichlorophenol
Concen: 40.747 ng
RT: 9.122 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:196 Resp: 186902

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.5	120.7
97	53.8	42.8	64.2
132	30.2	23.5	35.3

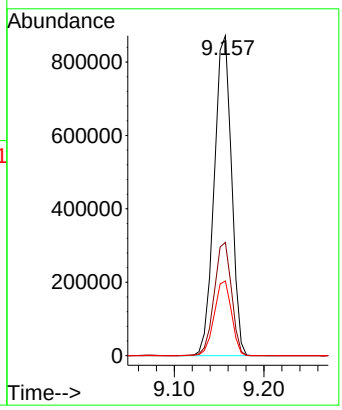




#45
2-Fluorobiphenyl
Concen: 79.517 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:172 Resp: 116923

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.3	19.0	28.6



Instrument :
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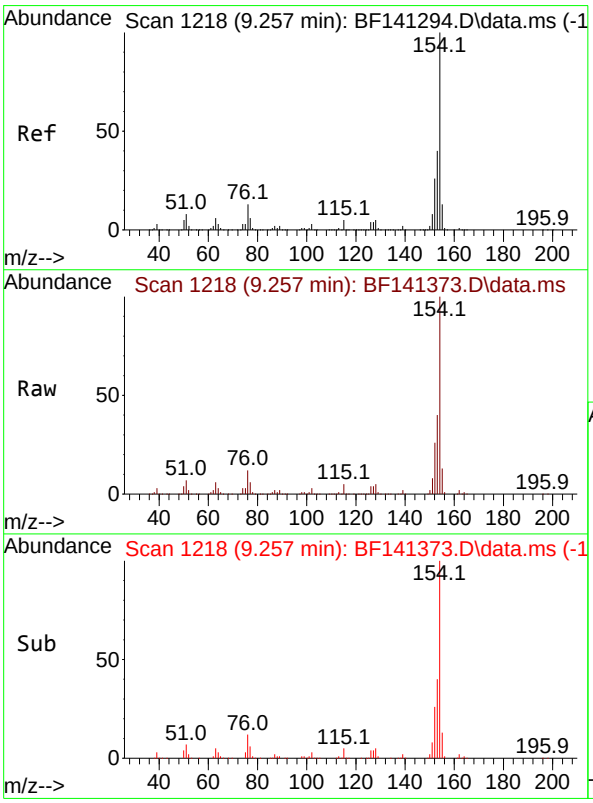
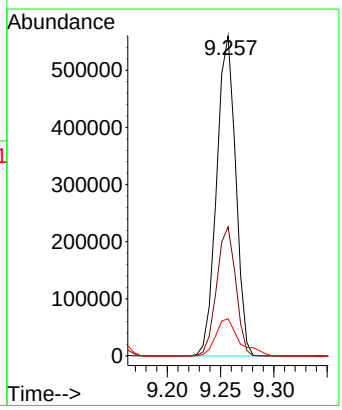
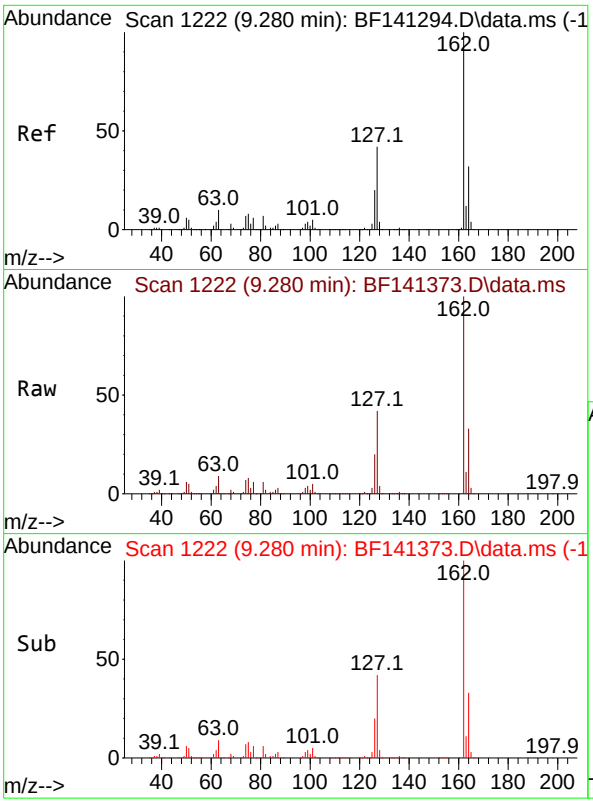


#46
1,1'-Biphenyl
Concen: 39.393 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:154 Resp: 695314

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.0	60.0
76	11.7	0.0	32.8

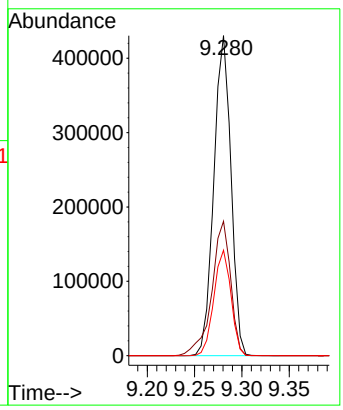




#47
2-Chloronaphthalene
Concen: 39.346 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:162 Resp: 54131

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.7	50.5
164	32.9	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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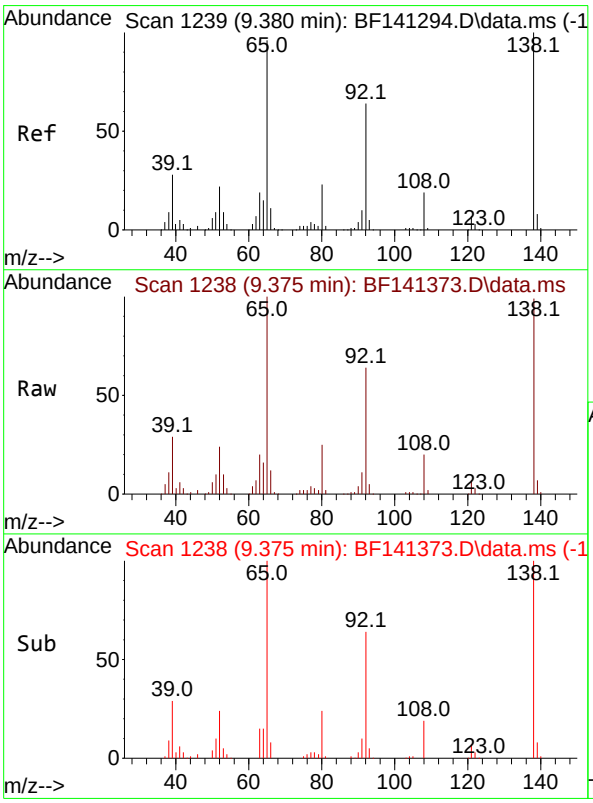
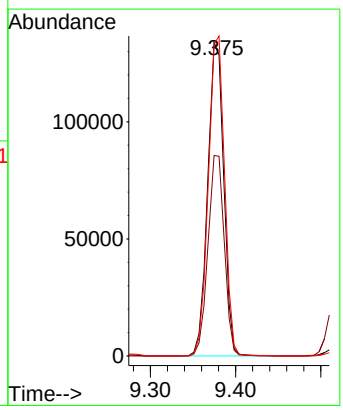
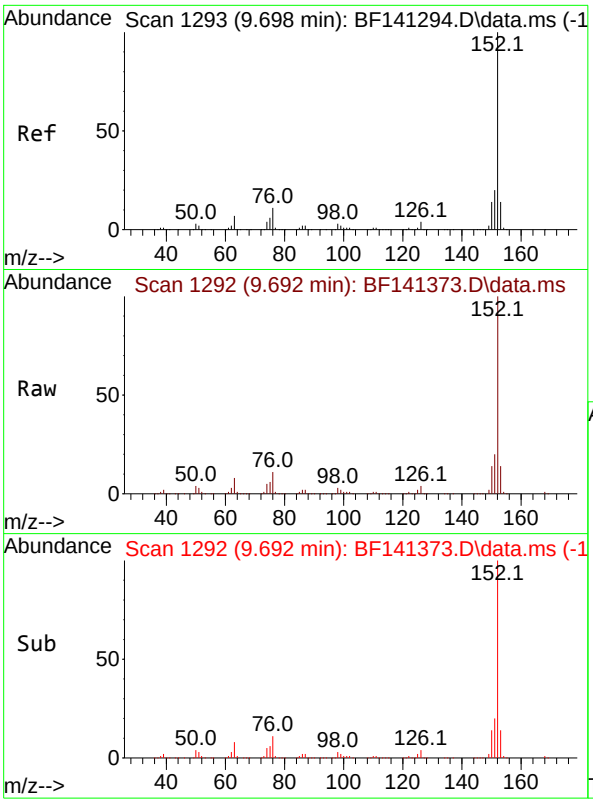


#48
2-Nitroaniline
Concen: 40.613 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 65 Resp: 175746

Ion	Ratio	Lower	Upper
65	100		
92	63.9	53.3	79.9
138	99.3	83.6	125.4

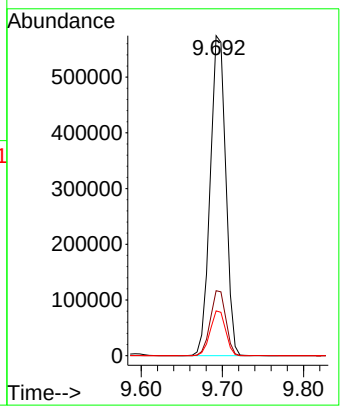




#49
Acenaphthylene
Concen: 39.561 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:152 Resp: 76188

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.0	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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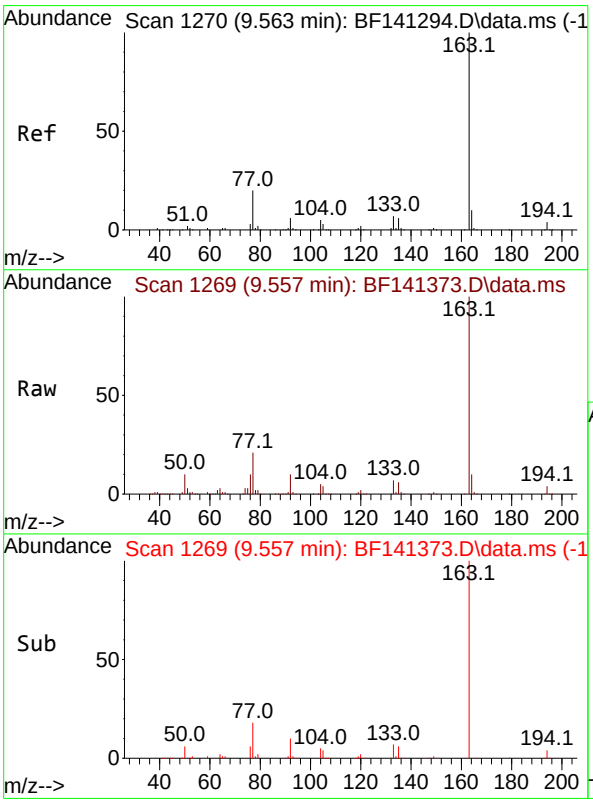
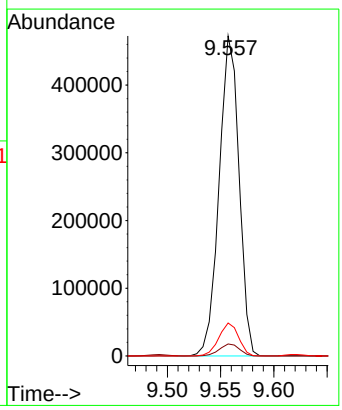
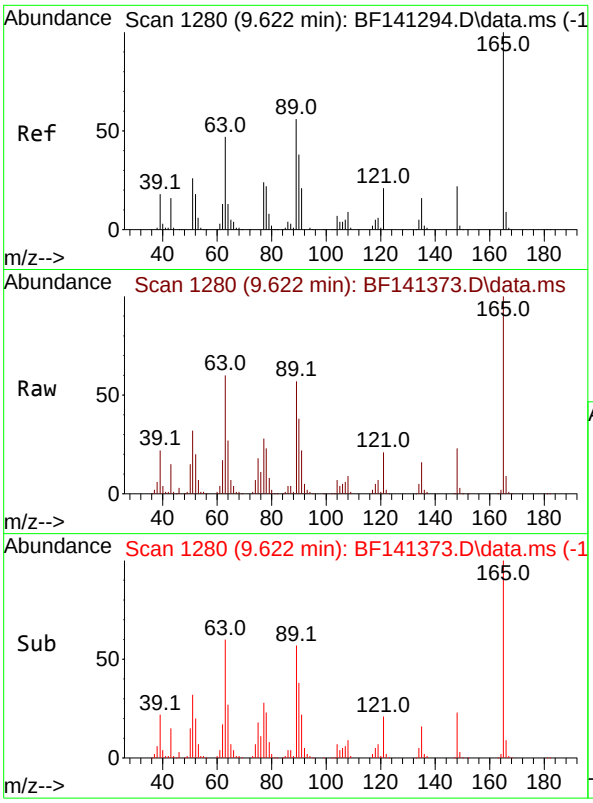


#50
Dimethylphthalate
Concen: 40.182 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:163 Resp: 614225

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 40.128 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:165 Resp: 14242

Ion	Ratio	Lower	Upper
165	100		
63	60.4	48.1	72.1
89	56.5	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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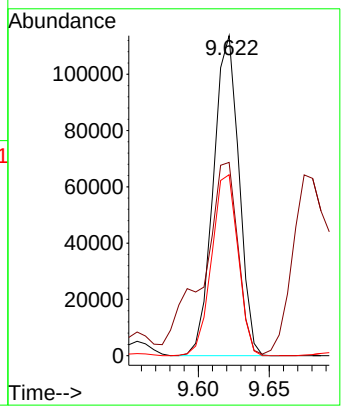
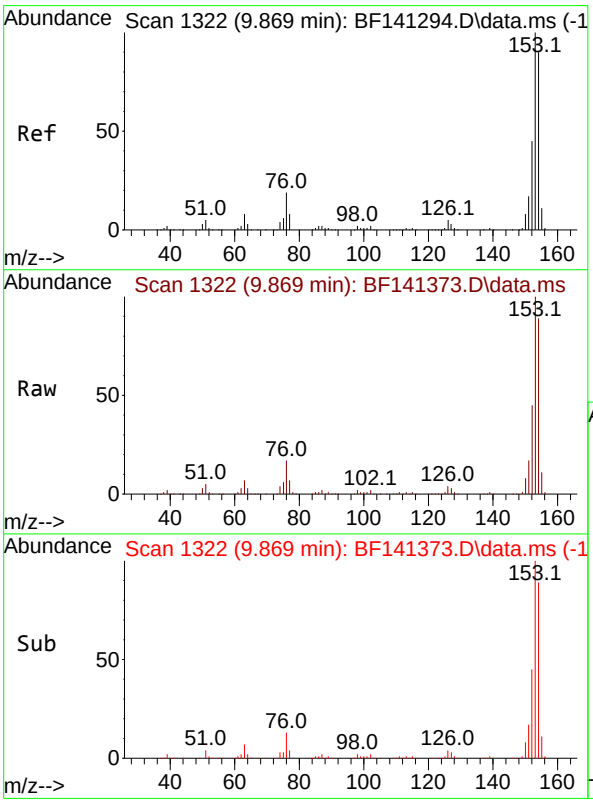
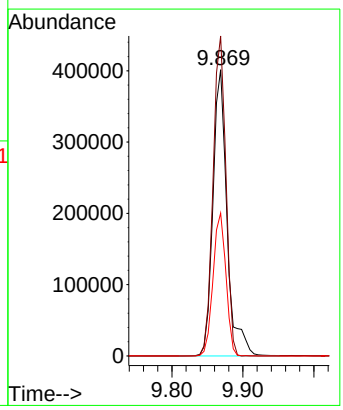


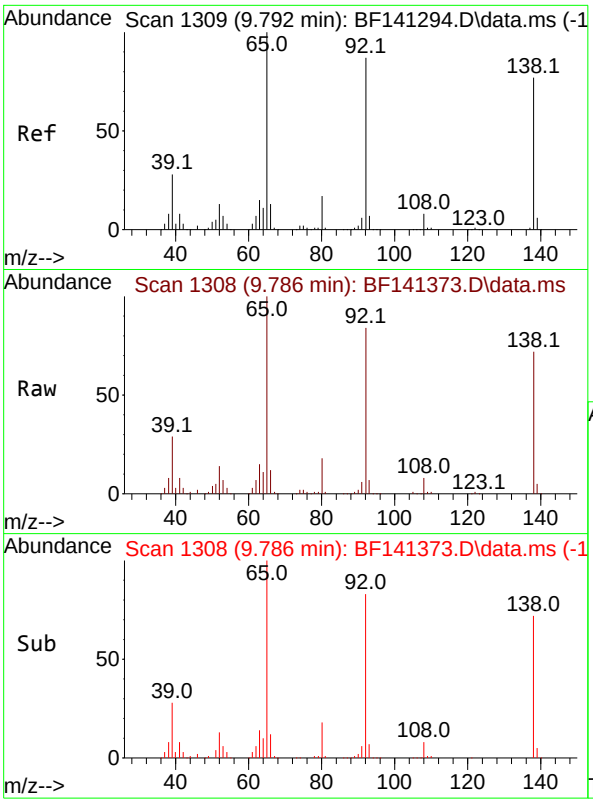


#52
Acenaphthene
Concen: 40.321 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:154 Resp: 554750

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	49.9	40.2	60.4





#53
3-Nitroaniline
Concen: 40.403 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:138 Resp: 14054

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	116.5	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
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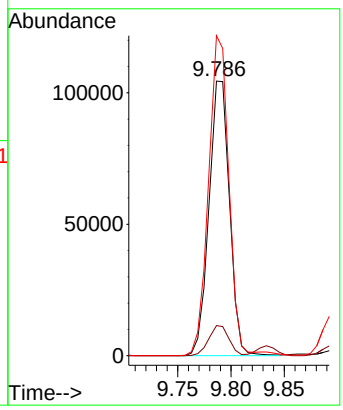
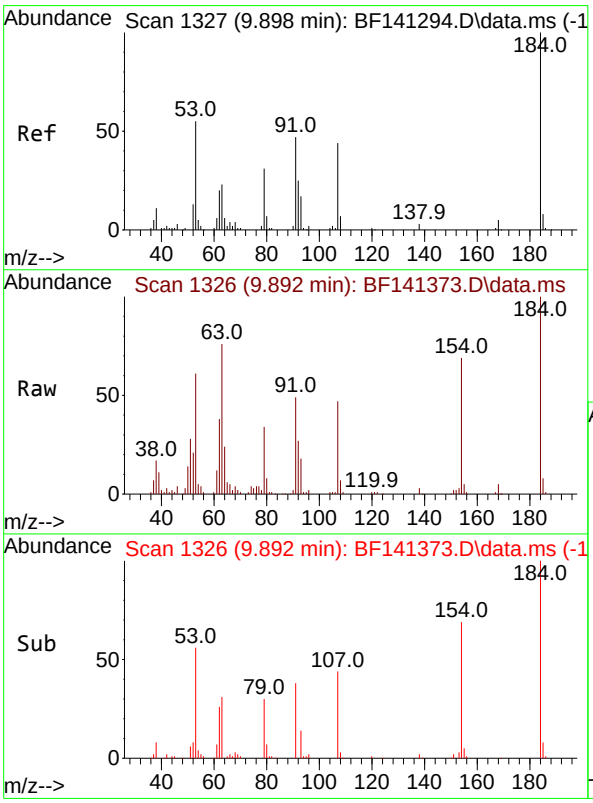
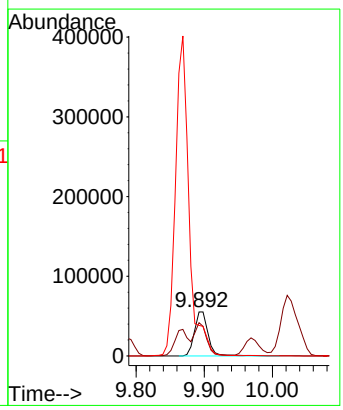


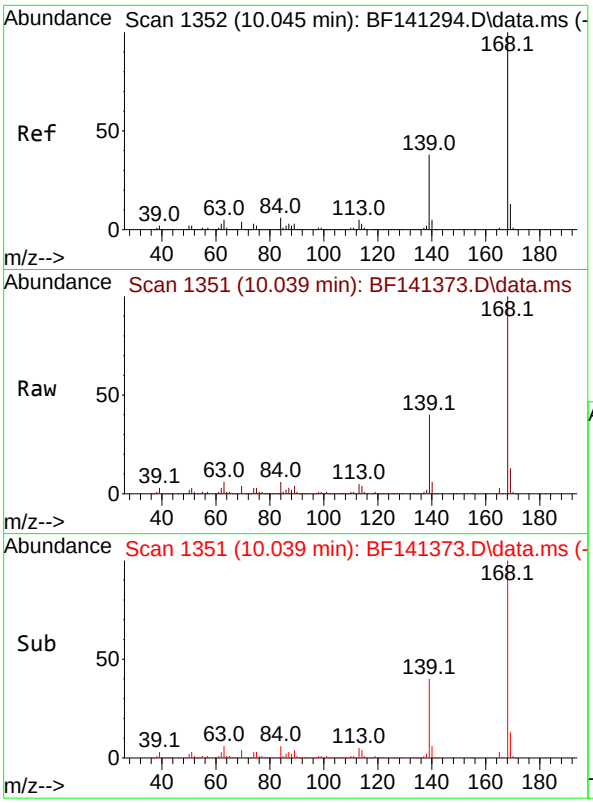


#54
2,4-Dinitrophenol
Concen: 46.667 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:184 Resp: 76994

Ion	Ratio	Lower	Upper
184	100		
63	75.5	54.1	81.1
154	69.4	50.7	76.1

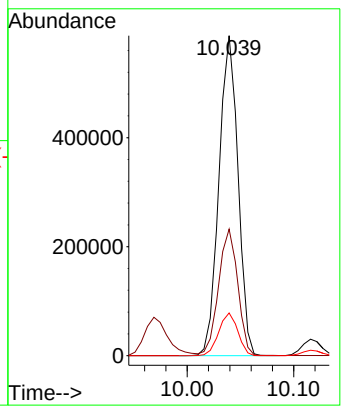




#55
Dibenzofuran
Concen: 39.528 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:168 Resp: 72795

Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.6	46.0
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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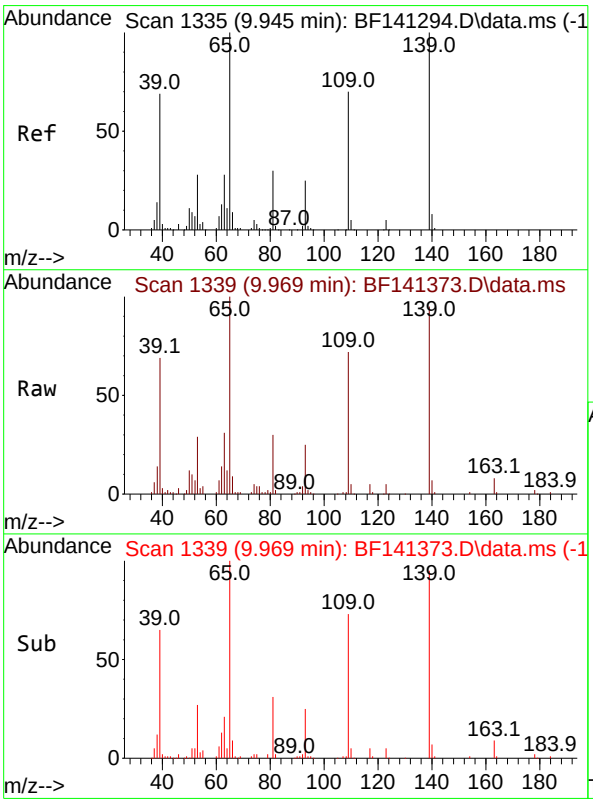
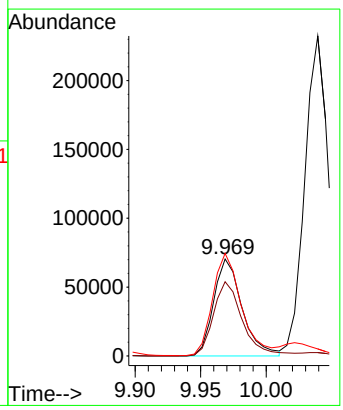
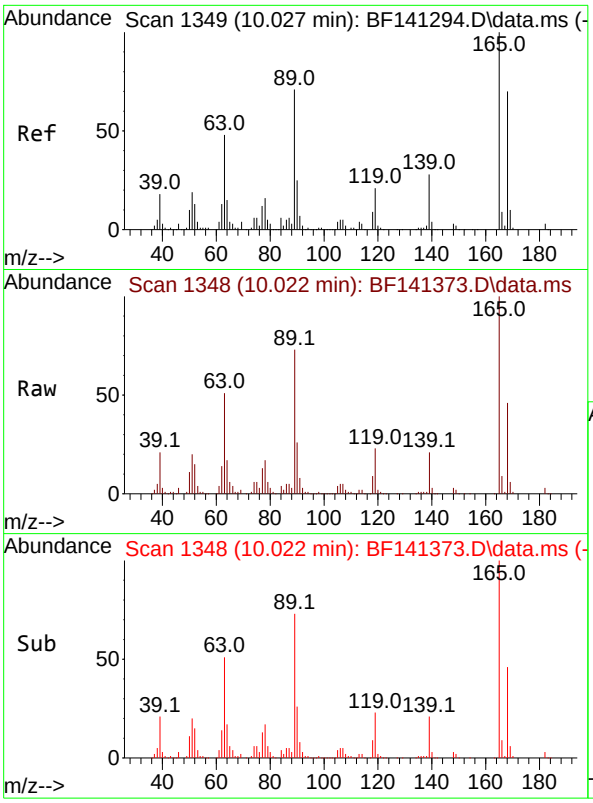


#56
4-Nitrophenol
Concen: 41.887 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:139 Resp: 106562

Ion	Ratio	Lower	Upper
139	100		
109	76.5	50.2	90.2
65	105.7	80.6	120.6

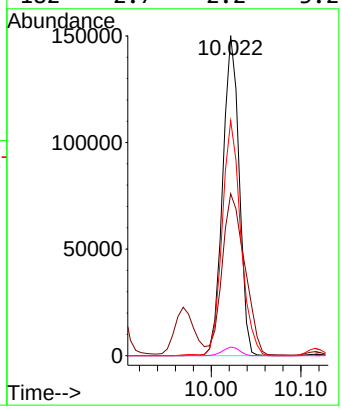




#57
2,4-Dinitrotoluene
Concen: 41.657 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:165 Resp: 19142

Ion	Ratio	Lower	Upper
165	100		
63	50.6	39.2	58.8
89	73.5	56.9	85.3
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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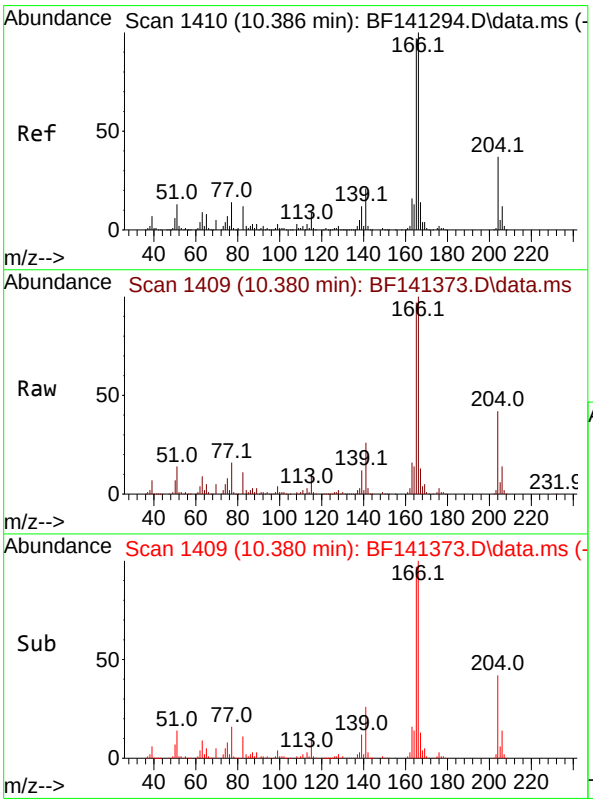
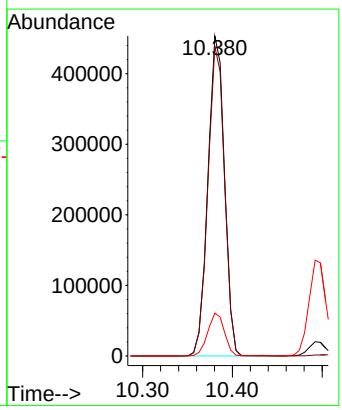
Supervised By :mohammad ahmed 02/06/2025

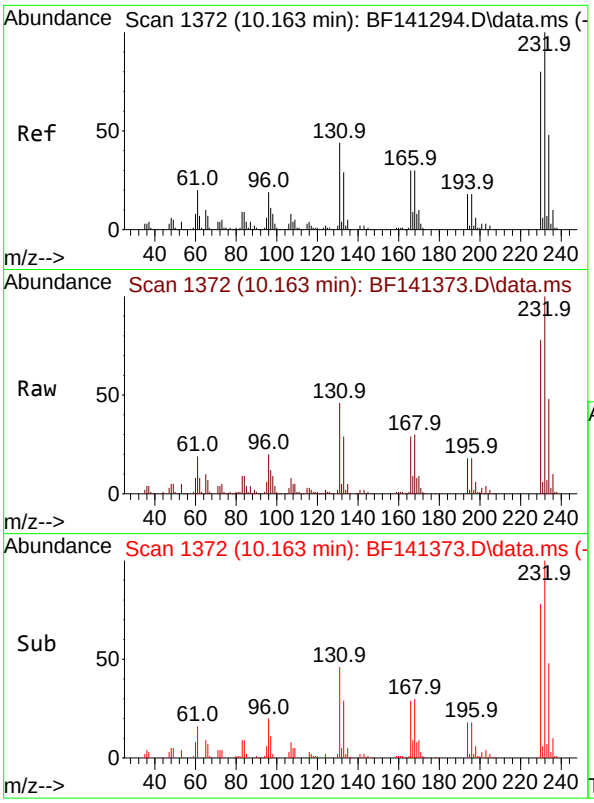


#58
Fluorene
Concen: 40.737 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:166 Resp: 581931

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.5	116.3
167	13.4	10.9	16.3

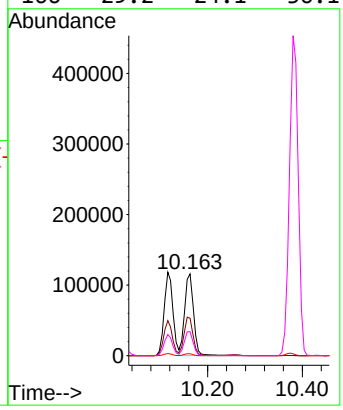




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.131 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:232 Resp: 15203

Ion	Ratio	Lower	Upper
232	100		
131	47.1	36.4	54.6
130	2.3	1.9	2.9
166	29.2	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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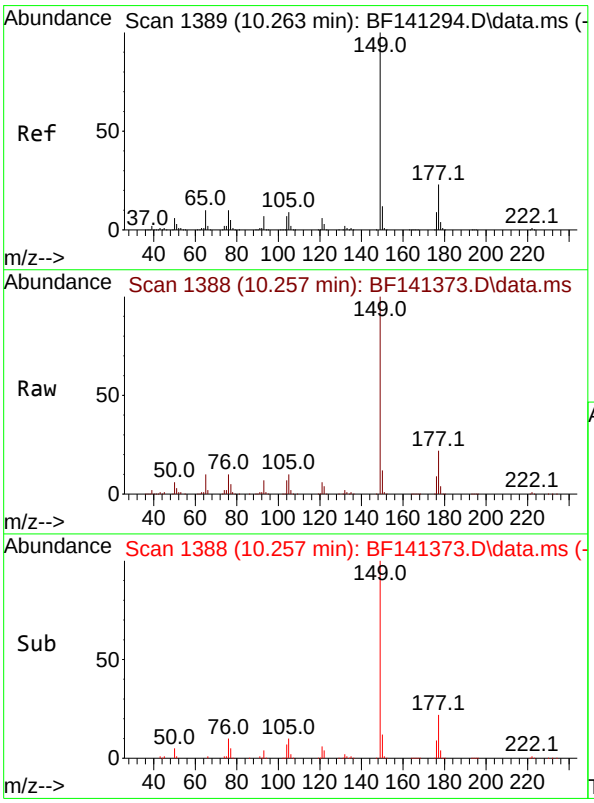
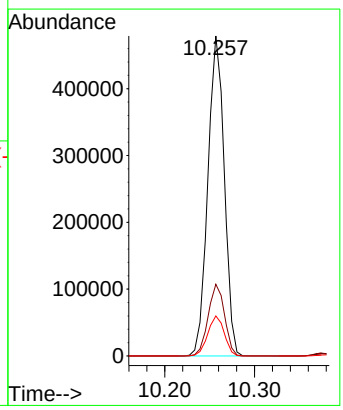
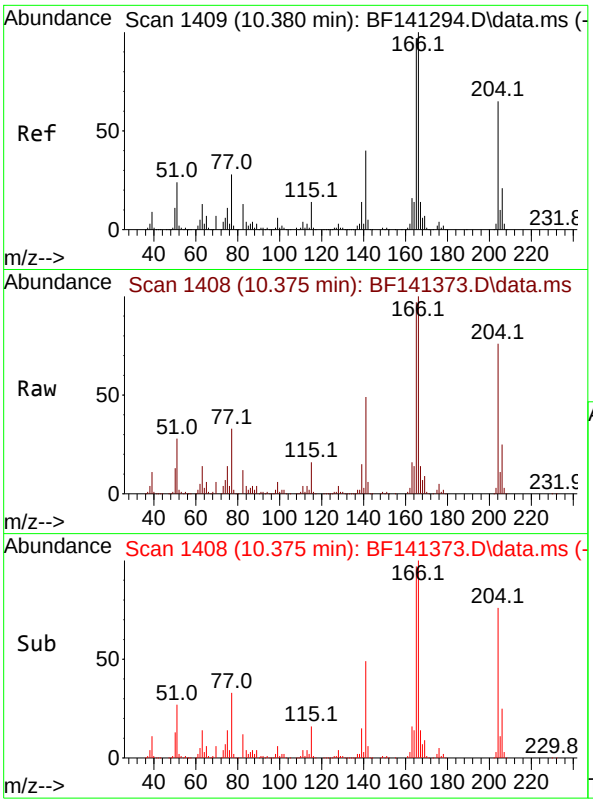


#60
Diethylphthalate
Concen: 41.105 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 609242

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.5	27.7
150	12.5	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 40.268 ng
RT: 10.375 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:204 Resp: 28098

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	64.8	49.5	74.3

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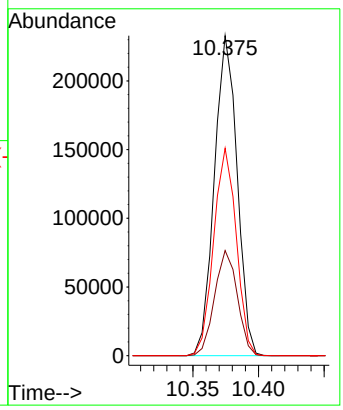
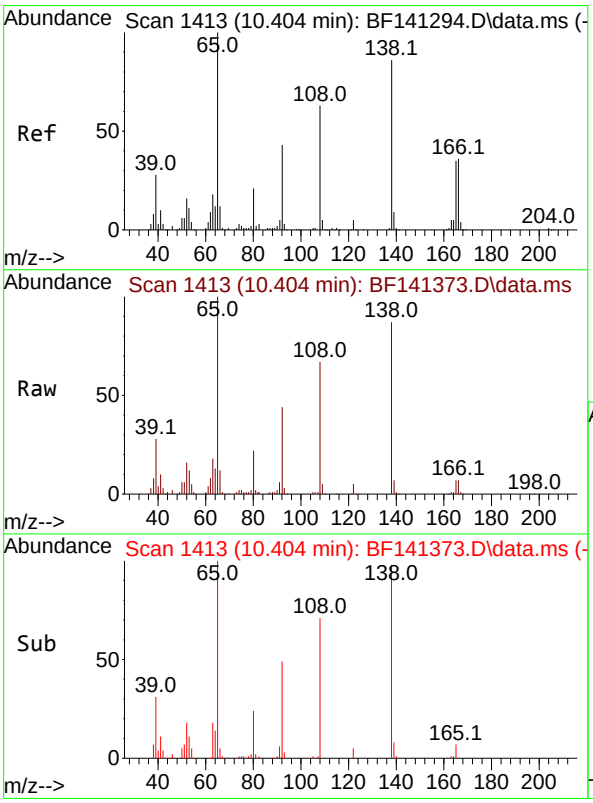
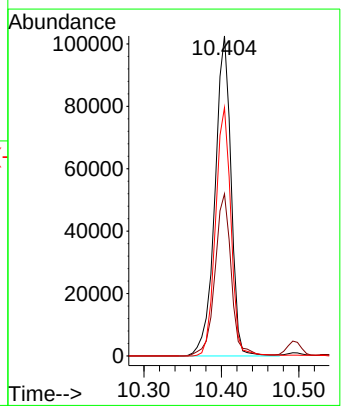


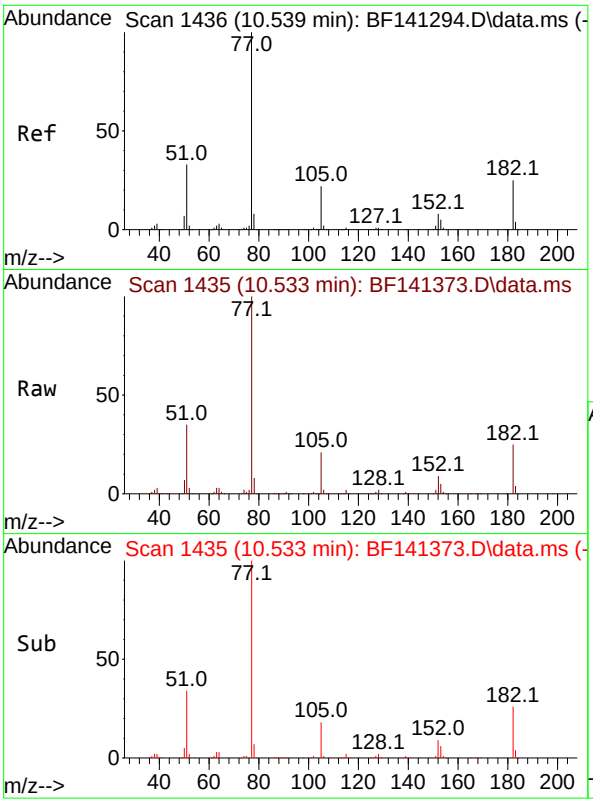


#62
4-Nitroaniline
Concen: 43.258 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:138 Resp: 147941

Ion	Ratio	Lower	Upper
138	100		
92	50.7	30.1	70.1
108	77.6	53.1	93.1

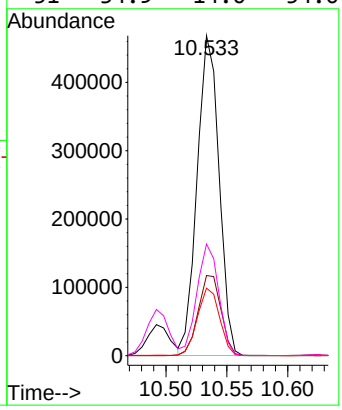




#63
Azobenzene
Concen: 39.486 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion: 77 Resp: 58580

Ion	Ratio	Lower	Upper
77	100		
182	25.1	5.1	45.1
105	21.1	1.8	41.8
51	34.9	14.0	54.0



Instrument :
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ClientSampleId :
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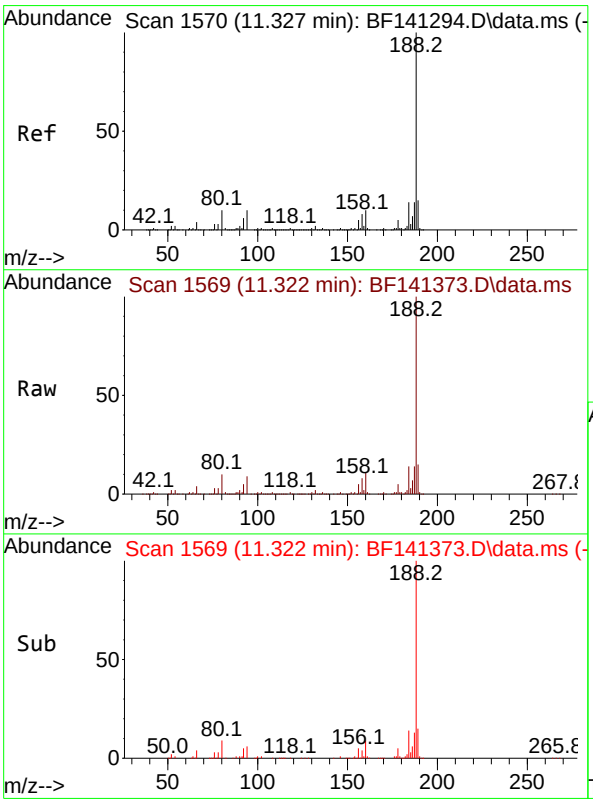
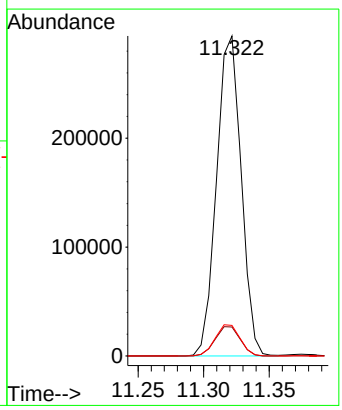
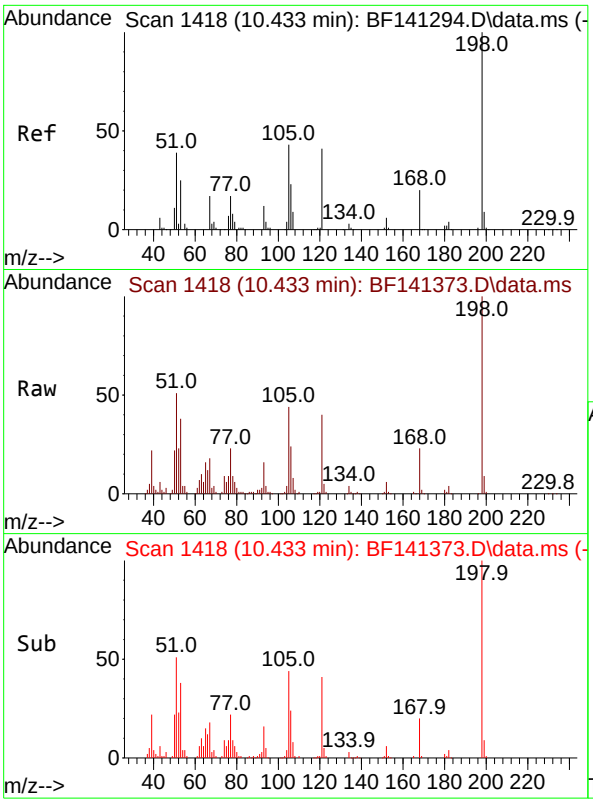


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:188 Resp: 383558

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.8	11.6
80	9.5	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.204 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:198 Resp: 10709

Ion	Ratio	Lower	Upper
198	100		
51	50.6	33.4	73.4
105	43.7	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
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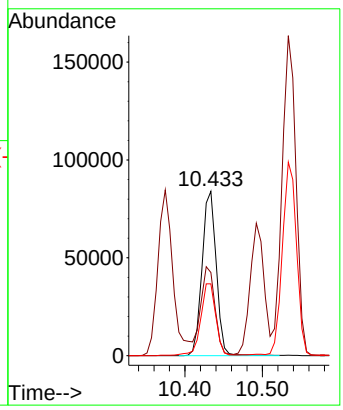
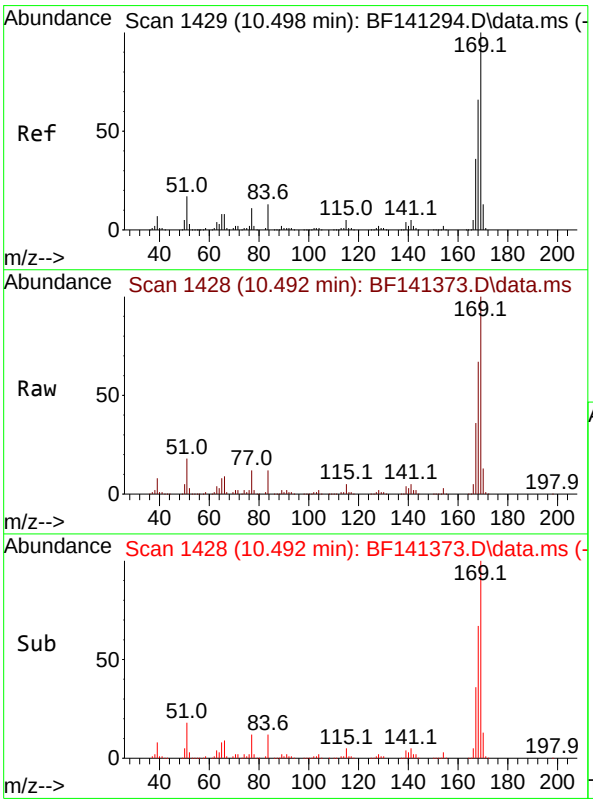
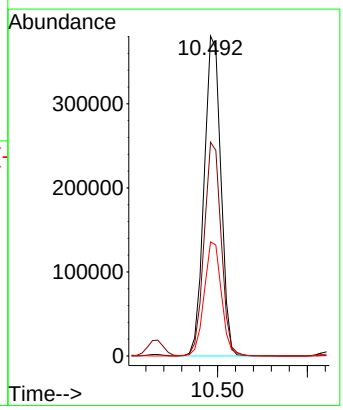


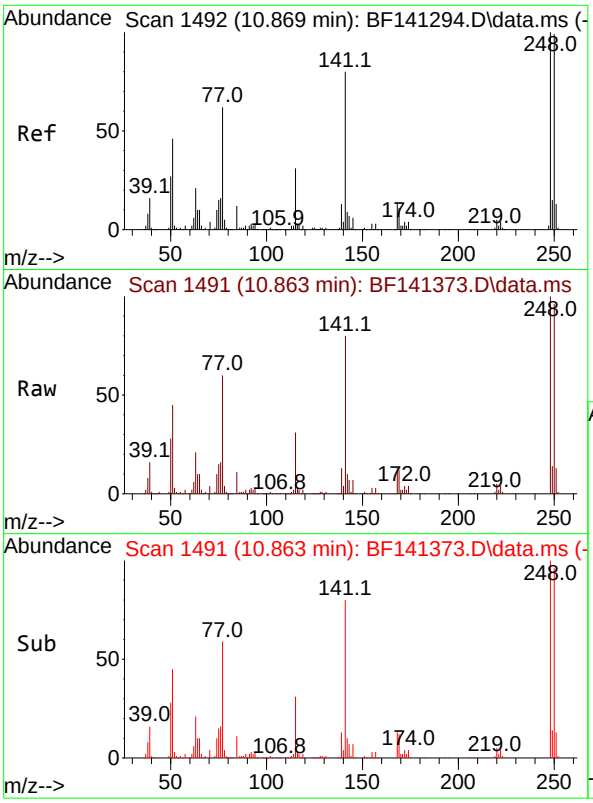


#66
n-Nitrosodiphenylamine
Concen: 39.703 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:169 Resp: 492539

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.8	43.2

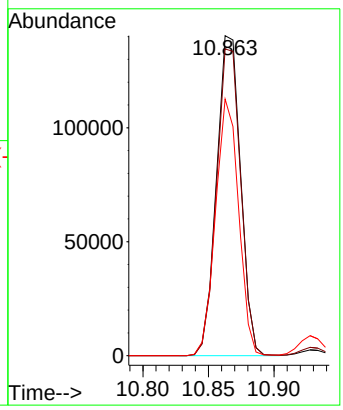




#67
4-Bromophenyl-phenylether
Concen: 41.761 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:248 Resp: 17932

Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.0	118.4
141	80.2	63.7	95.5



Instrument :
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ClientSampleId :
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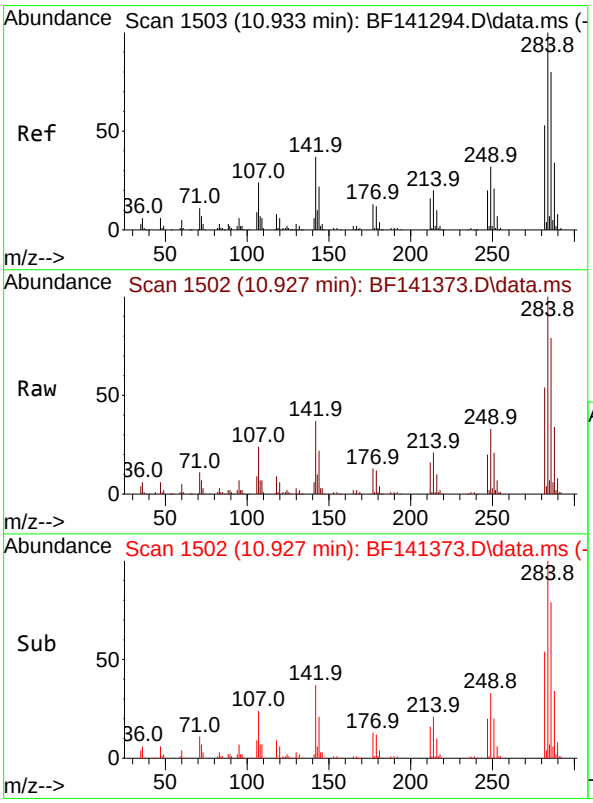
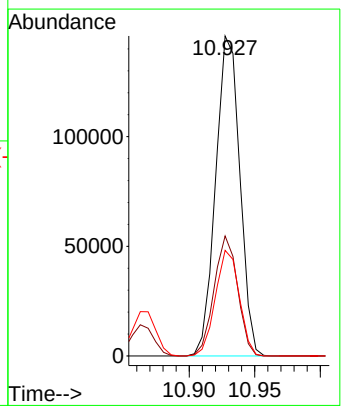
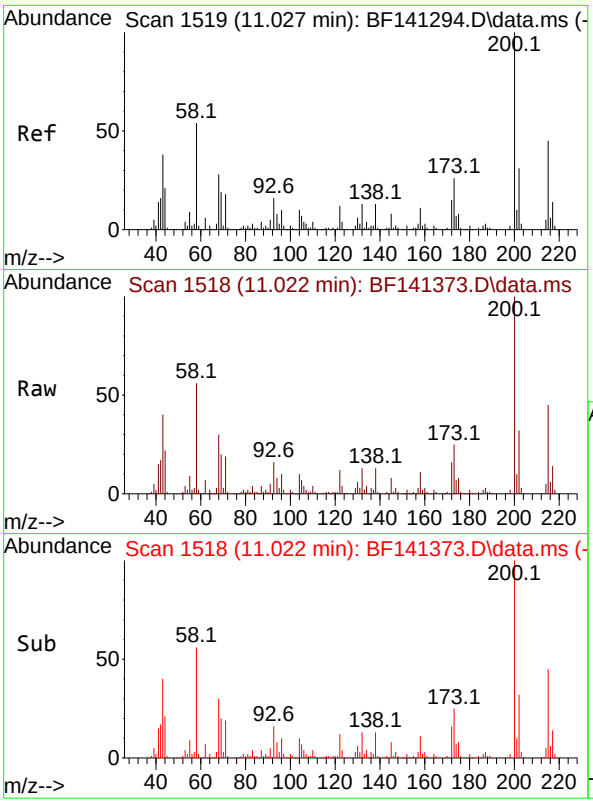


#68
Hexachlorobenzene
Concen: 41.015 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:284 Resp: 186820

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.5	44.3
249	33.0	25.4	38.2

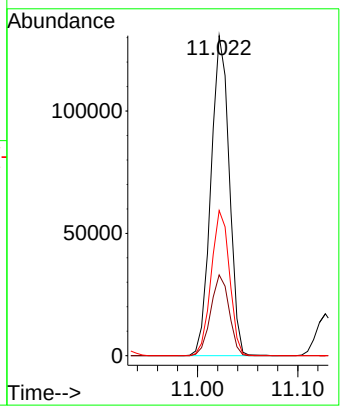




#69
Atrazine
Concen: 40.023 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:200 Resp: 16600

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.9	45.9
215	45.3	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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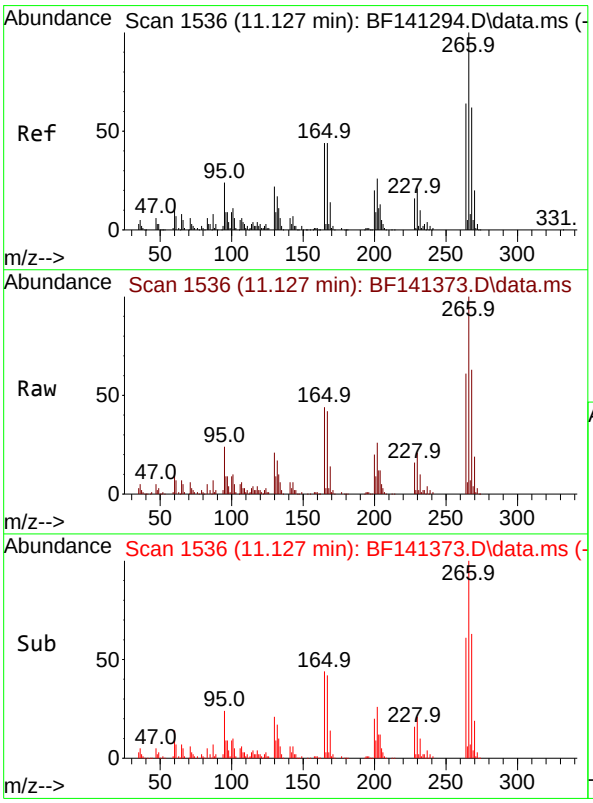
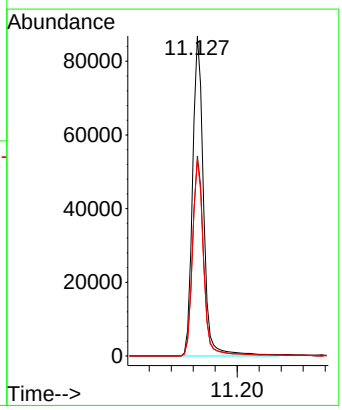
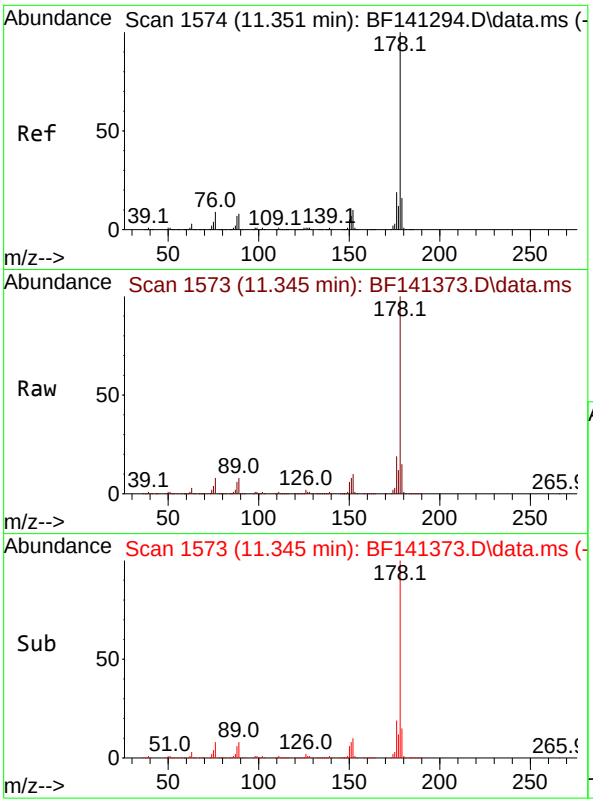


#70
Pentachlorophenol
Concen: 45.068 ng
RT: 11.127 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:266 Resp: 120209

Ion	Ratio	Lower	Upper
266	100		
268	62.5	49.9	74.9
264	61.4	51.0	76.4

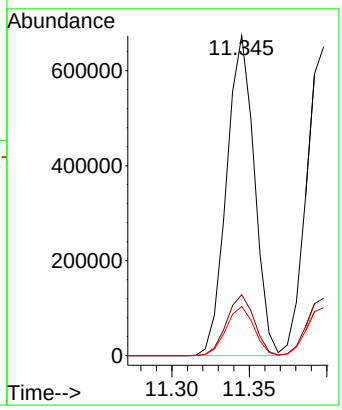




#71
Phenanthrene
Concen: 40.745 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:178 Resp: 84007

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.5	18.7



Instrument :
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ClientSampleId :
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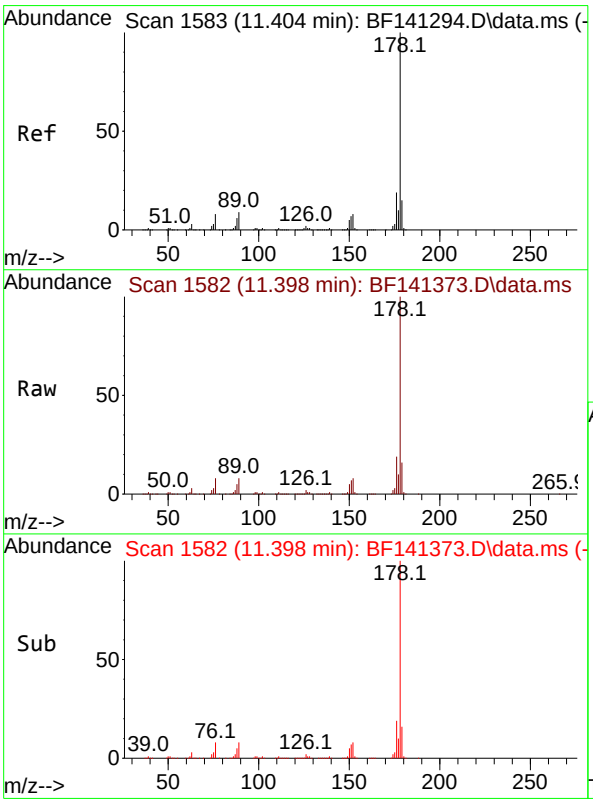
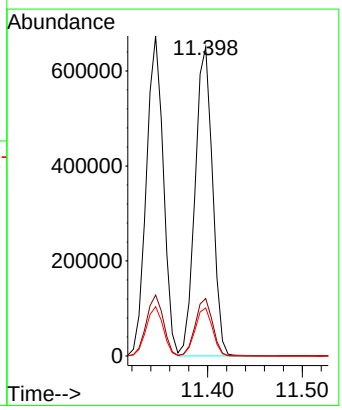
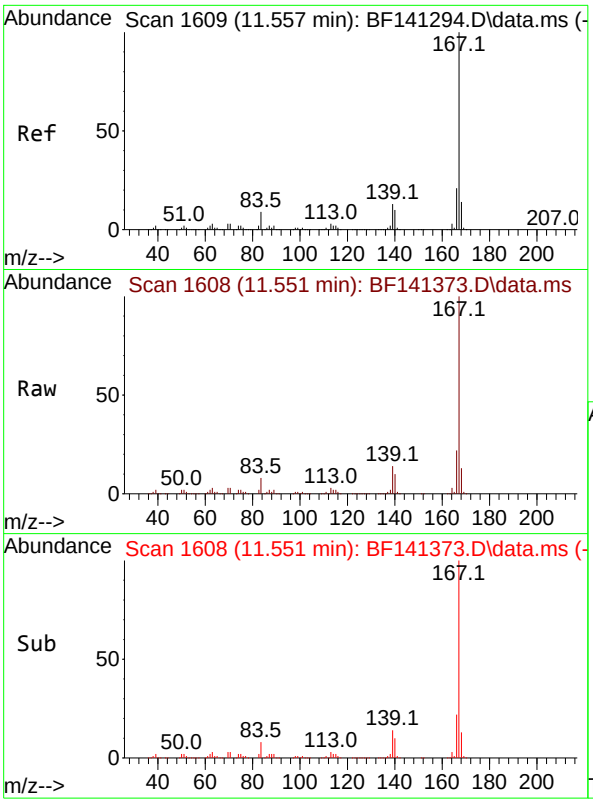


#72
Anthracene
Concen: 41.070 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:178 Resp: 829686

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.5	12.3	18.5

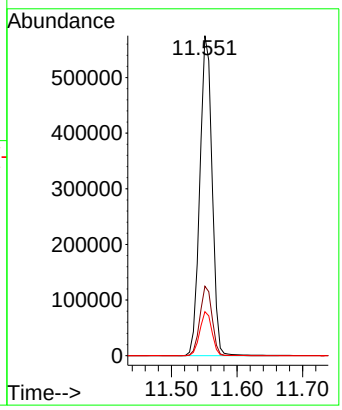




#73
Carbazole
Concen: 41.848 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:167 Resp: 74963

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.8	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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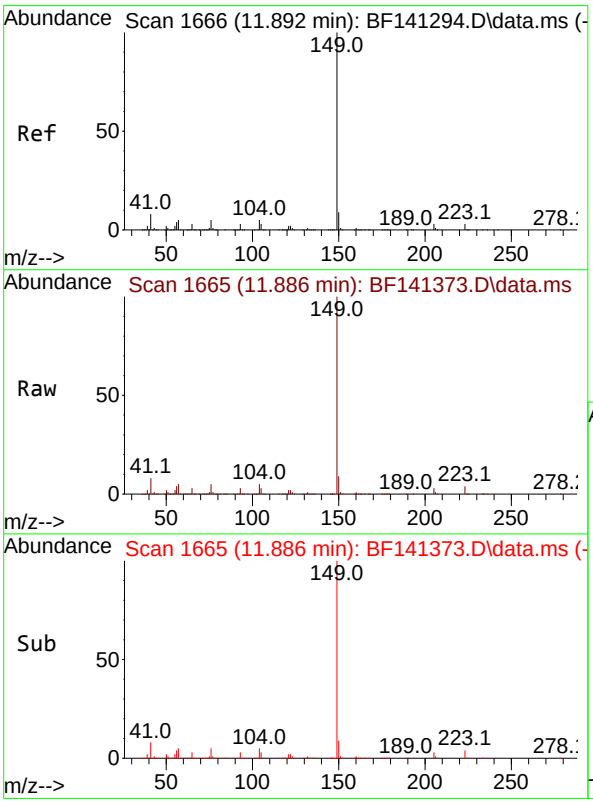
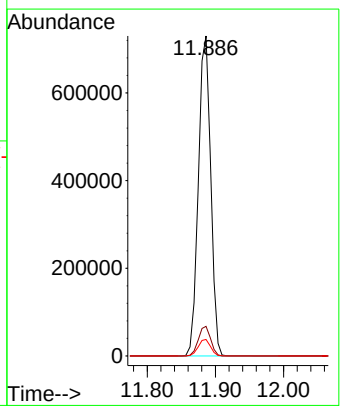
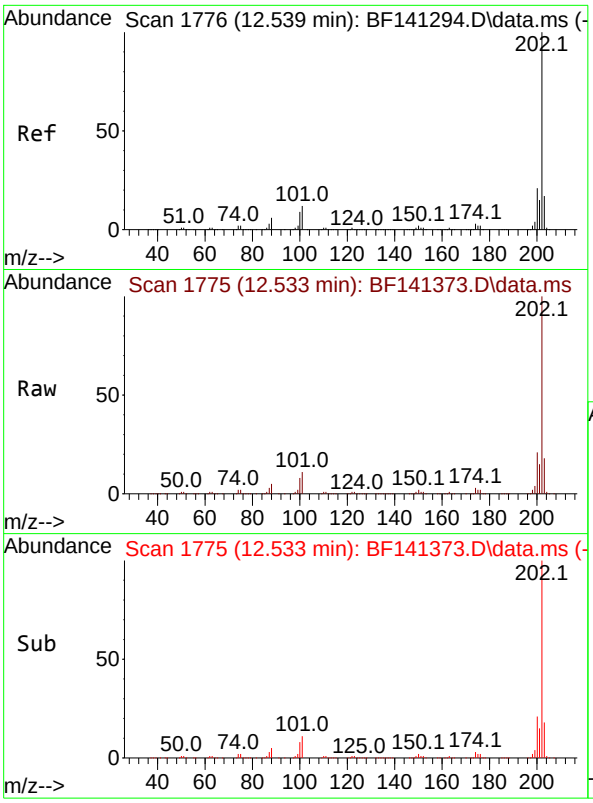


#74
Di-n-butylphthalate
Concen: 42.285 ng
RT: 11.886 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 917962

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9

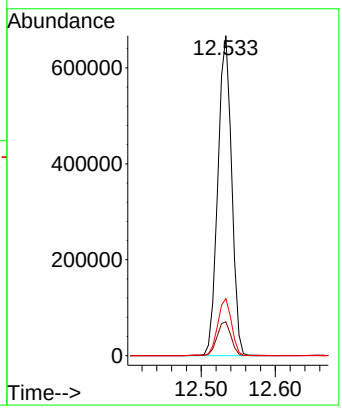




#75
Fluoranthene
Concen: 42.335 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:202 Resp: 86184

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.7
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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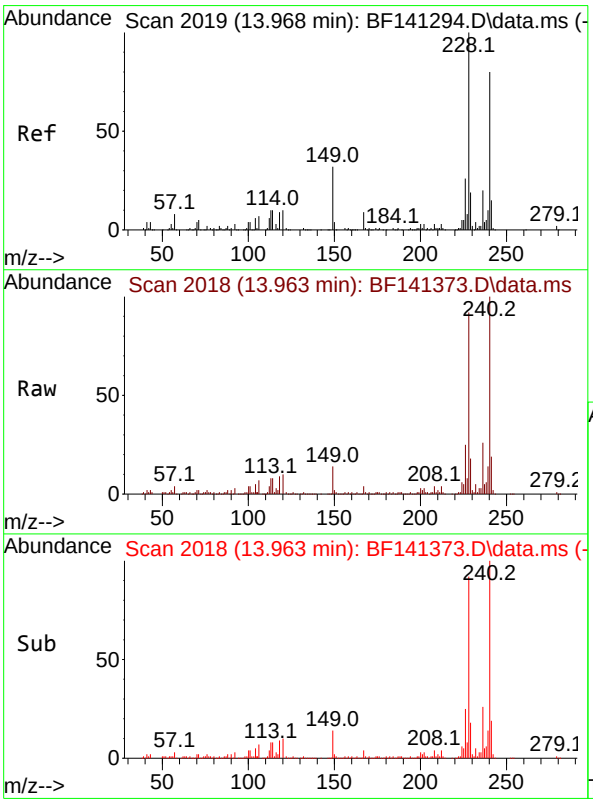
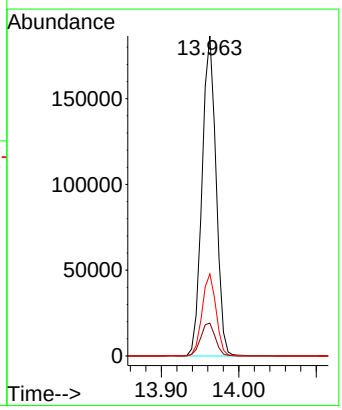
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

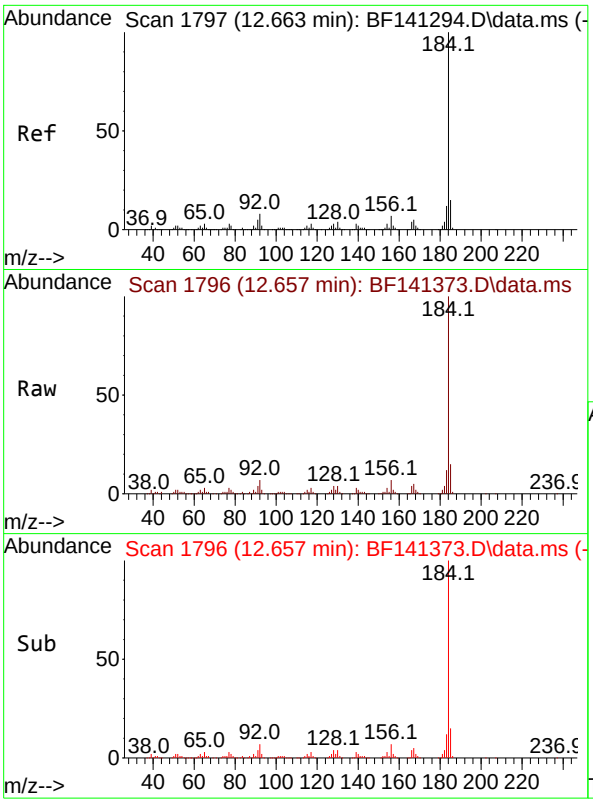


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:240 Resp: 233911

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.0	15.0
236	25.7	19.7	29.5

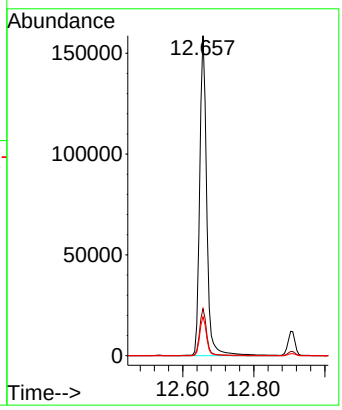




#77
Benzidine
Concen: 29.208 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:184 Resp: 21902

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.9	17.9
183	12.2	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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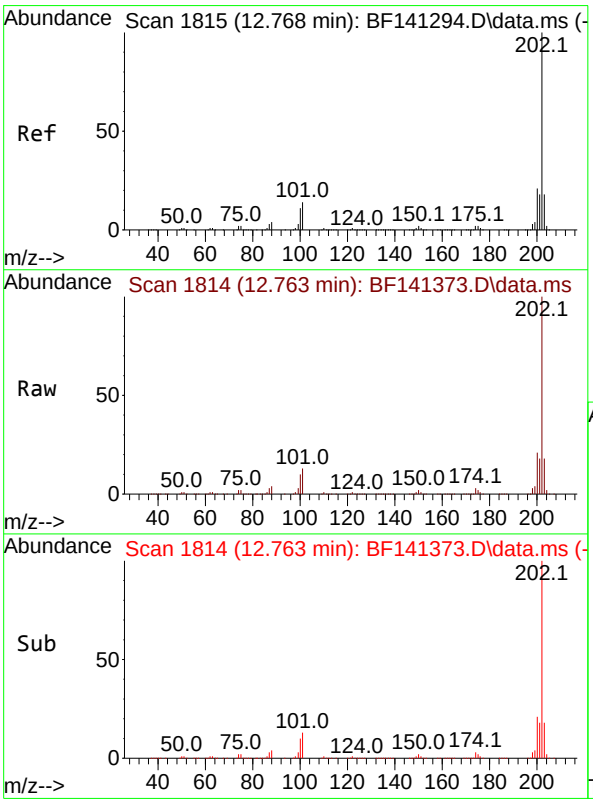
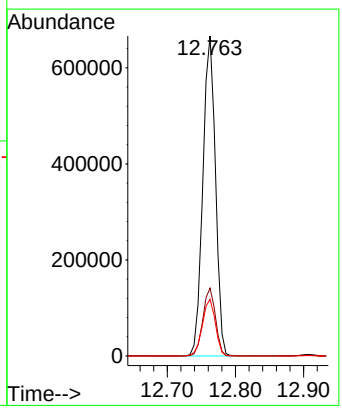
Supervised By :mohammad ahmed 02/06/2025

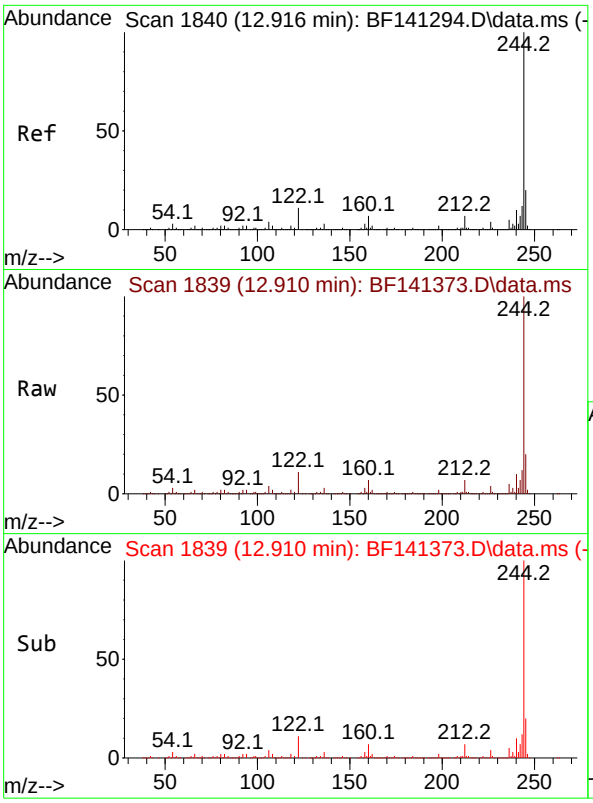


#78
Pyrene
Concen: 38.305 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:202 Resp: 860076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

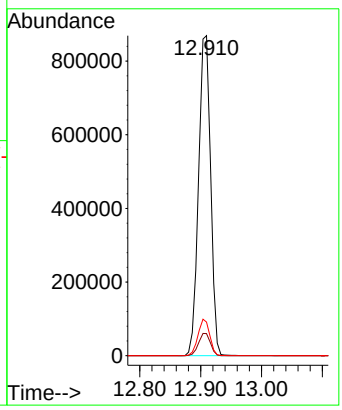




#79
Terphenyl-d14
Concen: 78.604 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:244 Resp: 119222

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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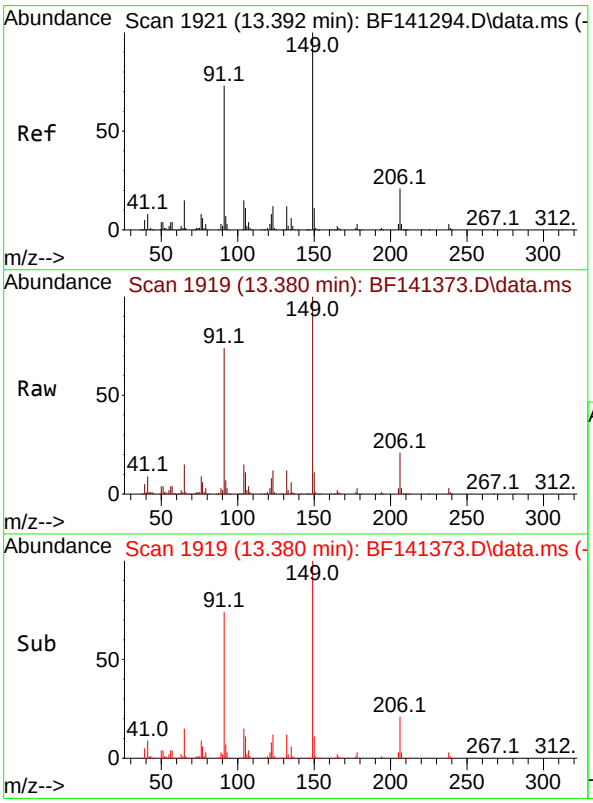
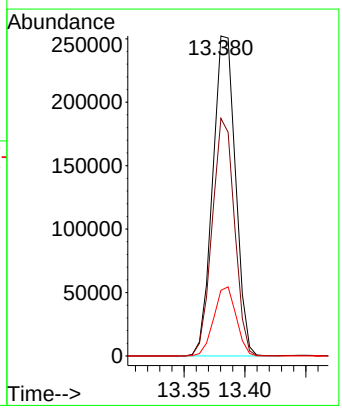
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

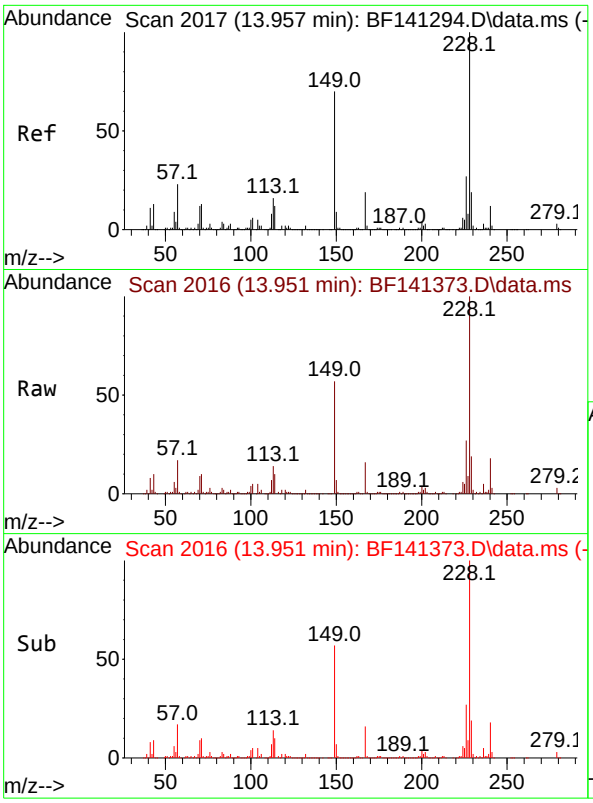


#80
Butylbenzylphthalate
Concen: 41.929 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 328897

Ion	Ratio	Lower	Upper
149	100		
91	74.2	58.6	87.8
206	20.5	16.7	25.1

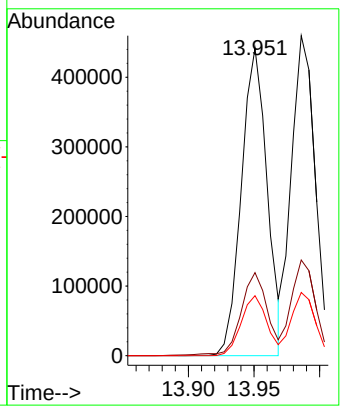




#81
Benzo(a)anthracene
Concen: 37.437 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:228 Resp: 60427

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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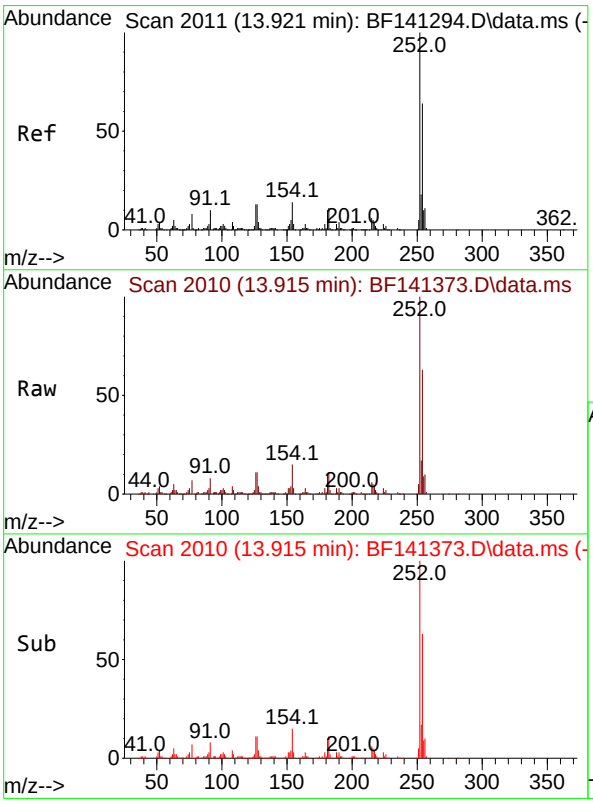
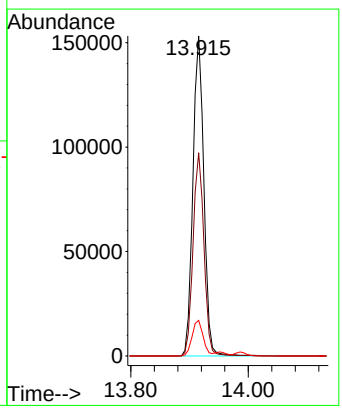
Supervised By :mohammad ahmed 02/06/2025

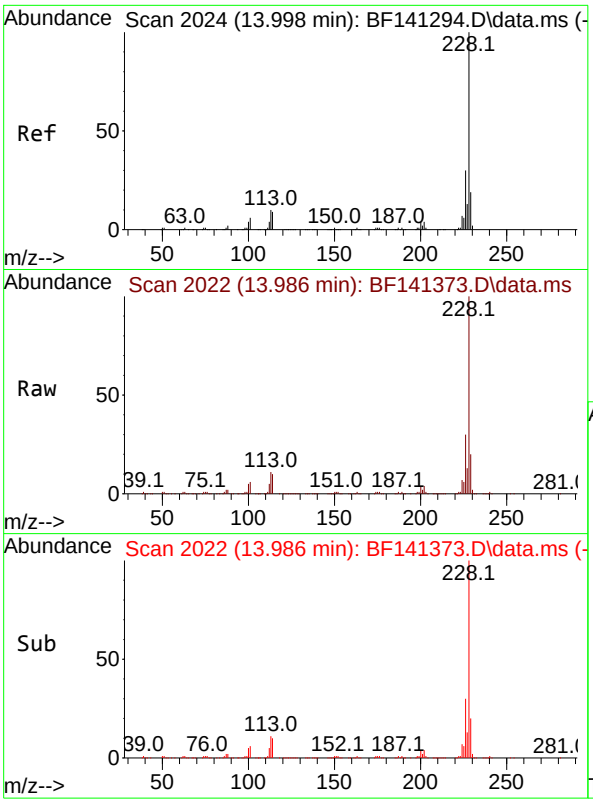


#82
3,3'-Dichlorobenzidine
Concen: 38.639 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 198361

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.3	76.9
126	11.1	10.0	15.0

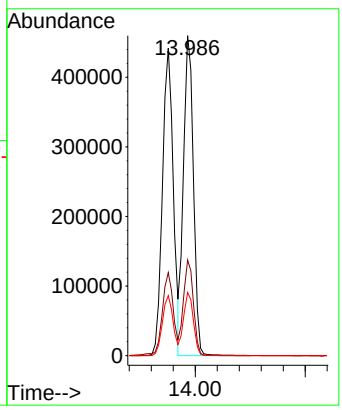




#83
Chrysene
Concen: 39.215 ng
RT: 13.986 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:228 Resp: 580099

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.8	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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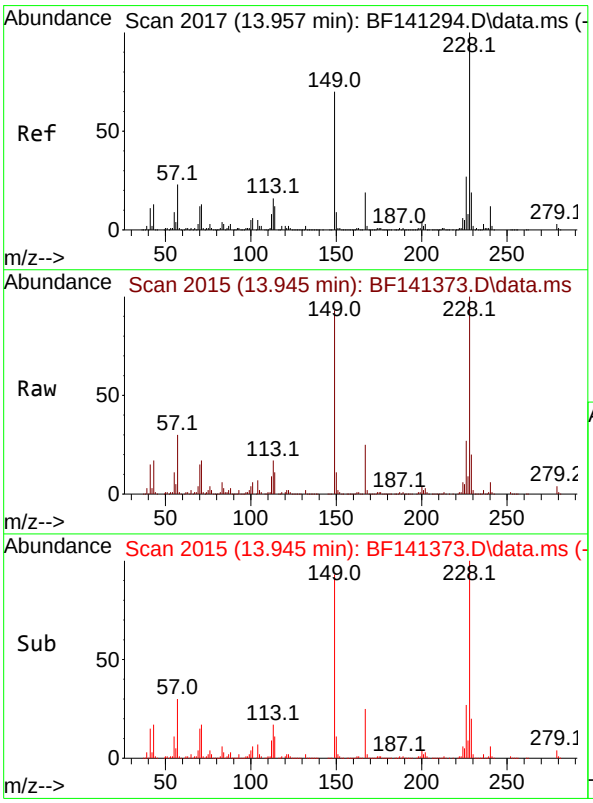
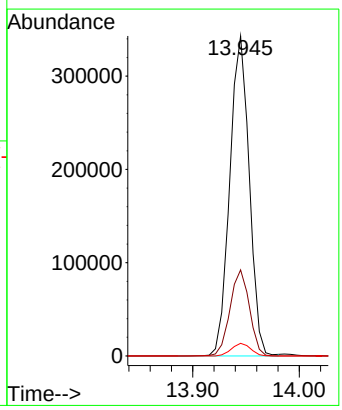
Supervised By :mohammad ahmed 02/06/2025

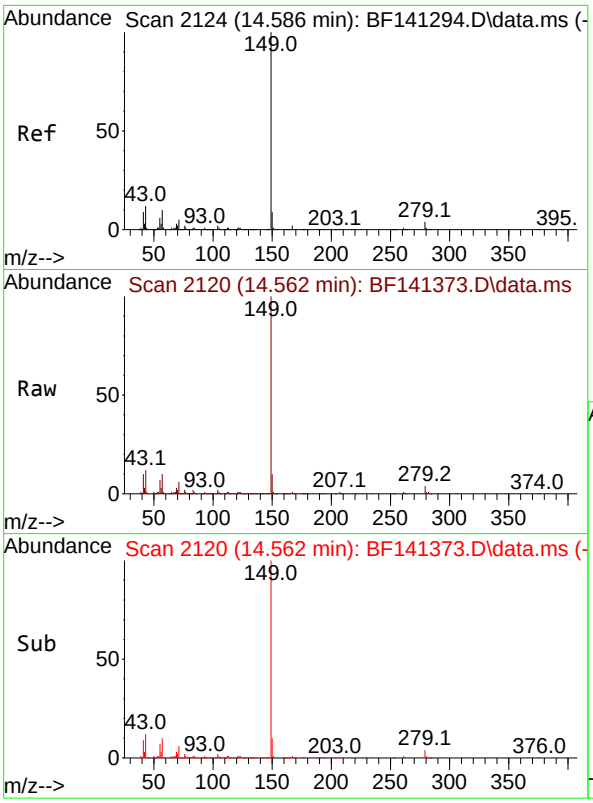


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.840 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 436237

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	4.0	3.3	4.9

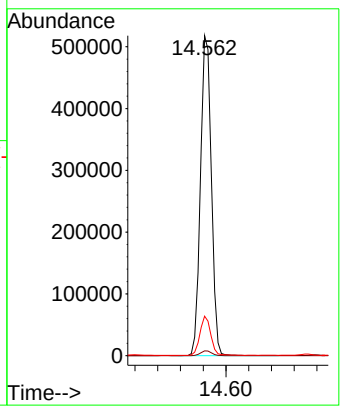




#85
Di-n-octyl phthalate
Concen: 44.601 ng
RT: 14.562 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:149 Resp: 68932

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.2	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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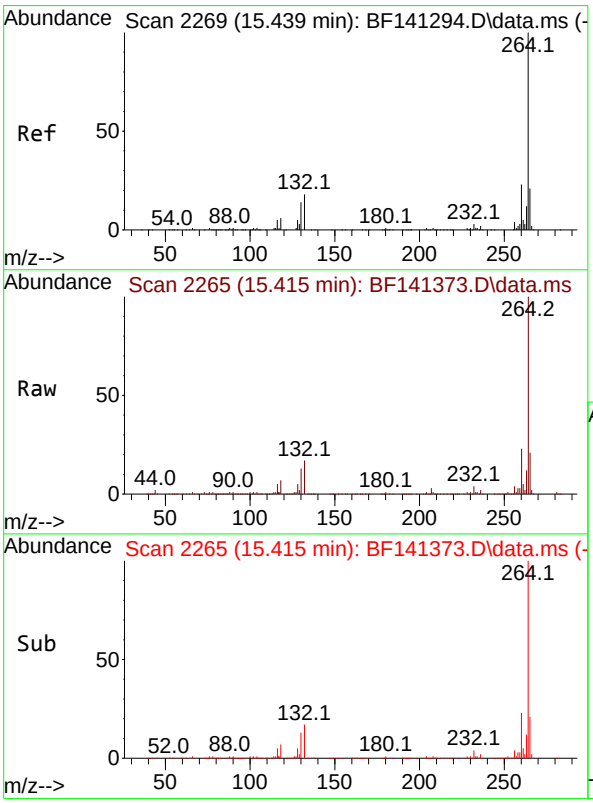
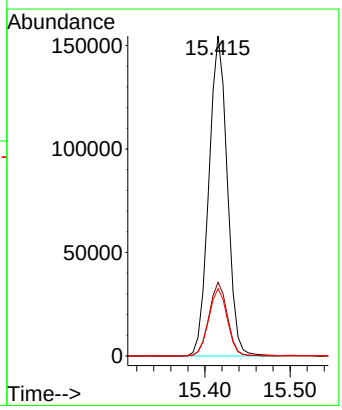
Supervised By :mohammad ahmed 02/06/2025

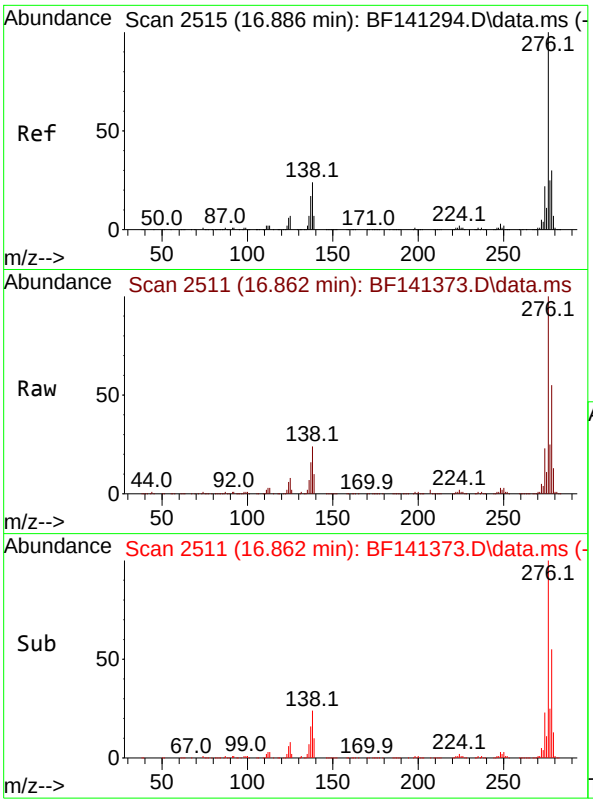


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:264 Resp: 231577

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.1	16.7	25.1

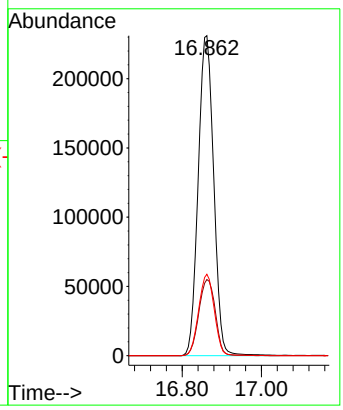




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.938 ng
RT: 16.862 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 62682

Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.7	32.5
277	25.7	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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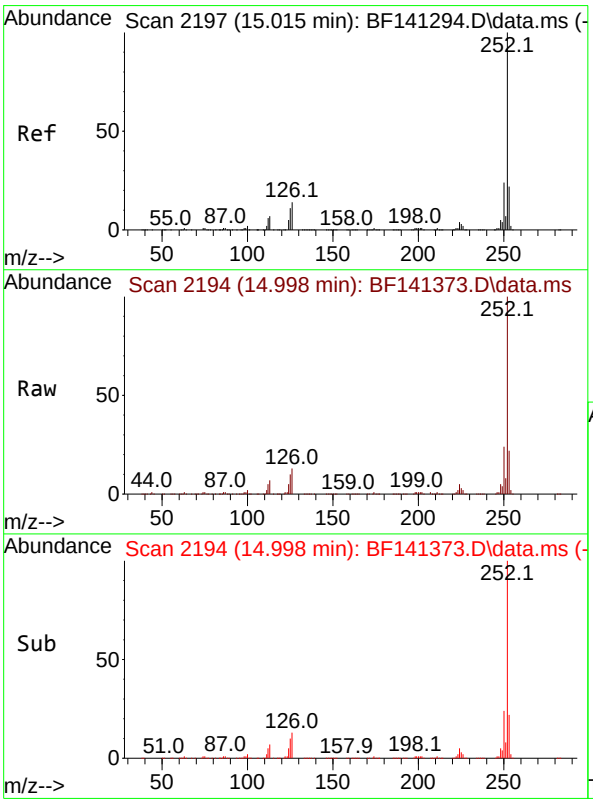
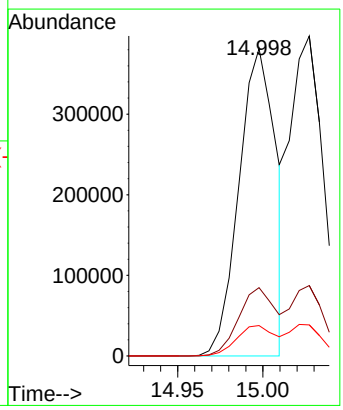
Supervised By :mohammad ahmed 02/06/2025

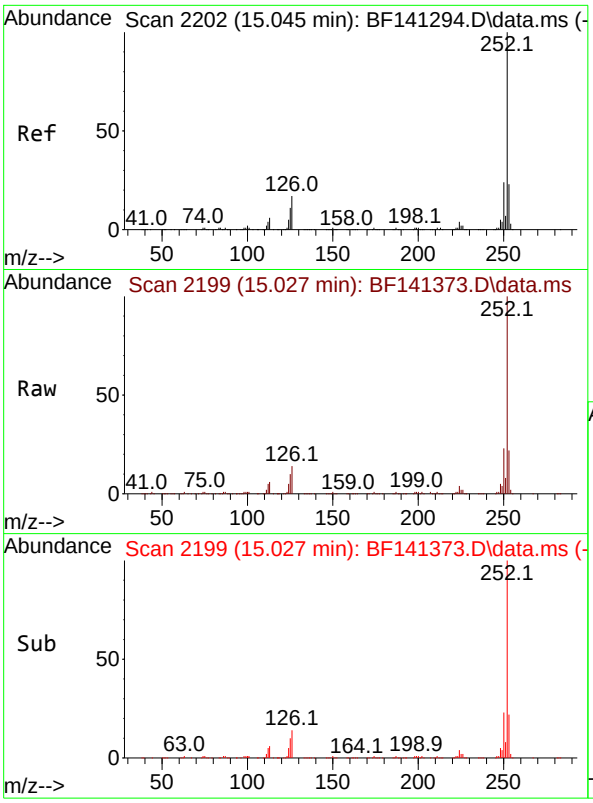


#88
Benzo(b)fluoranthene
Concen: 39.222 ng
RT: 14.998 min Scan# 2194
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 571343

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	9.9	8.6	12.8

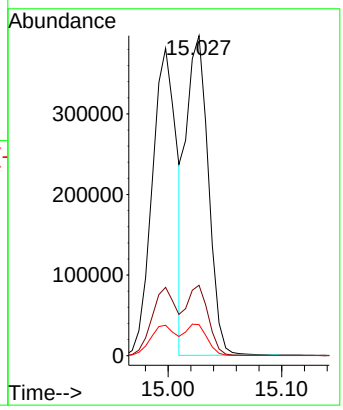




#89
Benzo(k)fluoranthene
Concen: 41.439 ng
RT: 15.027 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 53474

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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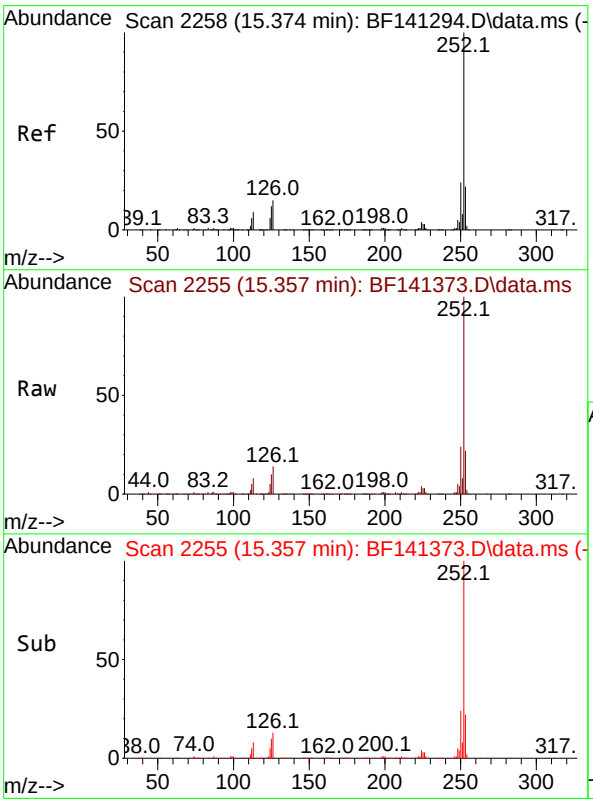
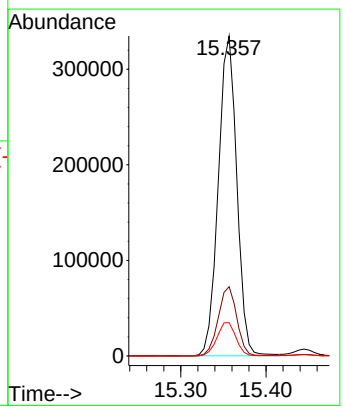
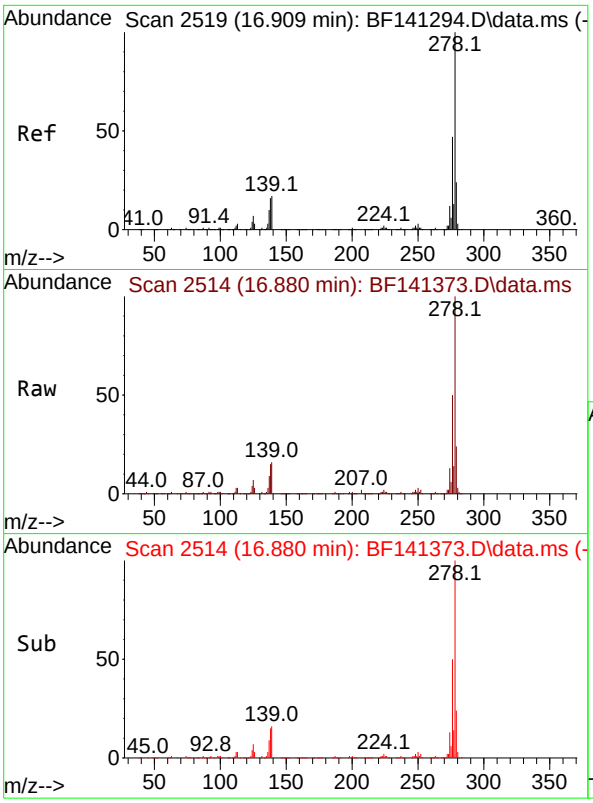


#90
Benzo(a)pyrene
Concen: 40.922 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:252 Resp: 503731

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	10.4	9.4	14.2

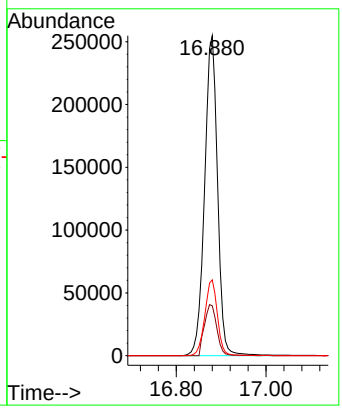




#91
Dibenzo(a,h)anthracene
Concen: 42.442 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:278 Resp: 51036

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.9	20.9
279	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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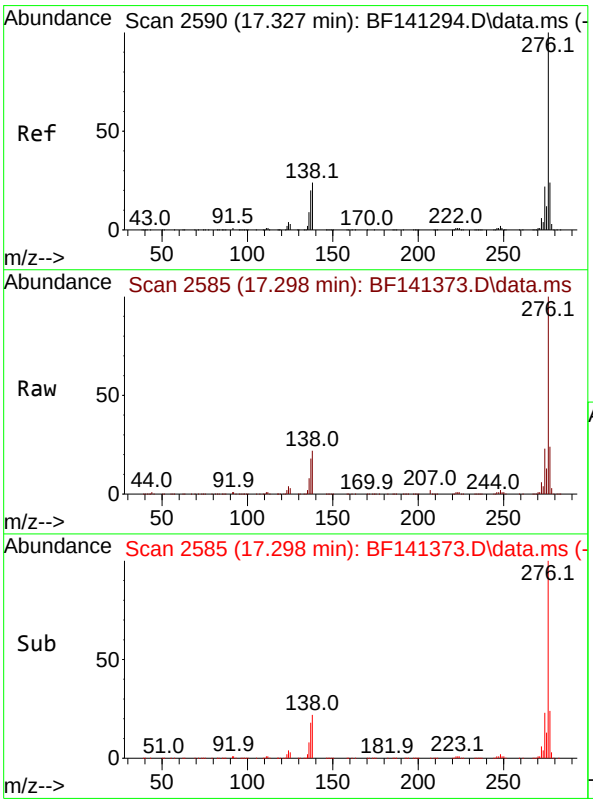
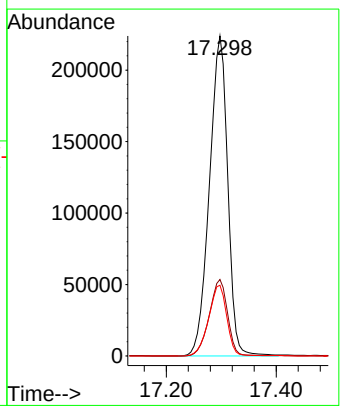
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 41.452 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141373.D
Acq: 03 Feb 2025 17:14

Tgt Ion:276 Resp: 518300

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	22.1	19.0	28.4



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Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
2		1,4-Dioxane	0.573	0.582	-1.6	83	-0.02
3		Pyridine	1.380	1.232	10.7	71	-0.02
4		n-Nitrosodimethylamine	0.789	0.821	-4.1	83	-0.04
5	S	2-Fluorophenol	1.303	1.302	0.1	83	0.00
6		Aniline	1.403	1.030	26.6#	58	-0.01
7	S	Phenol-d6	1.657	1.598	3.6	80	0.00
8		2-Chlorophenol	1.396	1.391	0.4	82	0.00
9		Benzaldehyde	0.960	1.038	-8.1	88	0.00
10	C	Phenol	1.757	1.694	3.6	79	0.00
11		bis(2-Chloroethyl)ether	1.347	1.310	2.7	81	-0.01
12		1,3-Dichlorobenzene	1.540	1.536	0.3	82	-0.01
13	C	1,4-Dichlorobenzene	1.547	1.570	-1.5	84	0.00
14		1,2-Dichlorobenzene	1.448	1.471	-1.6	84	0.00
15		Benzyl Alcohol	1.133	1.199	-5.8	85	0.00
16		2,2'-oxybis(1-Chloropropane	2.342	2.192	6.4	76	0.00
17		2-Methylphenol	1.135	1.109	2.3	81	0.00
18		Hexachloroethane	0.571	0.590	-3.3	85	0.00
19	P	n-Nitroso-di-n-propylamine	0.985	0.981	0.4	84	-0.02
20		3+4-Methylphenols	1.393	1.420	-1.9	84	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22		Acetophenone	0.475	0.486	-2.3	87	-0.01
23	S	Nitrobenzene-d5	0.379	0.382	-0.8	84	0.00
24		Nitrobenzene	0.393	0.389	1.0	81	-0.01
25		Isophorone	0.656	0.653	0.5	83	-0.01
26	C	2-Nitrophenol	0.185	0.188	-1.6	83	-0.01
27		2,4-Dimethylphenol	0.236	0.237	-0.4	82	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.408	2.4	82	-0.01
29	C	2,4-Dichlorophenol	0.289	0.293	-1.4	84	0.00
30		1,2,4-Trichlorobenzene	0.330	0.328	0.6	84	0.00
31		Naphthalene	1.057	1.046	1.0	83	-0.01
32		Benzoic acid	0.217	0.233	-7.4	82	-0.02
33		4-Chloroaniline	0.358	0.293	18.2	67	0.00
34	C	Hexachlorobutadiene	0.194	0.204	-5.2	89	0.00
35		Caprolactam	0.094	0.096	-2.1	84	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.318	-2.6	86	0.00
37		2-Methylnaphthalene	0.672	0.672	0.0	84	0.00
38		1-Methylnaphthalene	0.660	0.660	0.0	85	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	80	0.00
40		1,2,4,5-Tetrachlorobenzene	0.569	0.571	-0.4	86	0.00
41	P	Hexachlorocyclopentadiene	0.168	0.186	-10.7	86	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.194	-6.0	90	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.380	-2.2	83	0.00
44		2,4,5-Trichlorophenol	0.405	0.413	-2.0	88	0.00
45	S	2-Fluorobiphenyl	1.299	1.292	0.5	87	0.00
46		1,1'-Biphenyl	1.560	1.536	1.5	84	0.00
47		2-Chloronaphthalene	1.216	1.196	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.388	-1.6	85	0.00
49		Acenaphthylene	1.702	1.683	1.1	84	-0.01
50		Dimethylphthalate	1.351	1.357	-0.4	88	-0.01
51		2,6-Dinitrotoluene	0.314	0.315	-0.3	85	0.00
52	C	Acenaphthene	1.216	1.226	-0.8	87	0.00
53		3-Nitroaniline	0.307	0.310	-1.0	82	-0.01
54	P	2,4-Dinitrophenol	0.146	0.170	-16.4	92	-0.01
55		Dibenzofuran	1.627	1.608	1.2	85	0.00
56	P	4-Nitrophenol	0.225	0.235	-4.4	84	0.01
57		2,4-Dinitrotoluene	0.406	0.423	-4.2	88	-0.01
58		Fluorene	1.262	1.286	-1.9	88	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.336	-5.3	88	0.00
60		Diethylphthalate	1.310	1.346	-2.7	88	-0.01
61		4-Chlorophenyl-phenylether	0.617	0.621	-0.6	88	0.00
62		4-Nitroaniline	0.302	0.327	-8.3	90	-0.01
63		Azobenzene	1.311	1.294	1.3	85	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.118	0.140	-18.6	93	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.642	0.8	86	-0.01
67		4-Bromophenyl-phenylether	0.224	0.234	-4.5	90	-0.01
68		Hexachlorobenzene	0.238	0.244	-2.5	89	-0.01
69		Atrazine	0.216	0.216	0.0	85	-0.01
70	C	Pentachlorophenol	0.139	0.157	-12.9	92	0.00
71		Phenanthrene	1.075	1.095	-1.9	89	0.00
72		Anthracene	1.053	1.082	-2.8	90	0.00
73		Carbazole	0.934	0.977	-4.6	91	0.00
74		Di-n-butylphthalate	1.132	1.197	-5.7	92	0.00
75	C	Fluoranthene	1.062	1.123	-5.7	93	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77		Benzidine	0.641	0.468	27.0#	58	0.00
78		Pyrene	1.920	1.838	4.3	94	0.00
79	S	Terphenyl-d14	1.297	1.274	1.8	97	0.00
80		Butylbenzylphthalate	0.671	0.703	-4.8	101	-0.01
81		Benzo(a)anthracene	1.380	1.292	6.4	91	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.424	3.4	91	-0.01
83		Chrysene	1.265	1.240	2.0	98	-0.01
84		Bis(2-ethylhexyl)phthalate	0.851	0.932	-9.5	107	-0.01
85	c	Di-n-octyl phthalate	1.321	1.473	-11.5	108	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	83	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.353	-4.8	89	-0.04
88		Benzo(b)fluoranthene	1.258	1.234	1.9	91	-0.02
89		Benzo(k)fluoranthene	1.114	1.155	-3.7	88	-0.02
90	C	Benzo(a)pyrene	1.063	1.088	-2.4	89	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.102	-6.1	90	-0.04
92		Benzo(g,h,i)perylene	1.080	1.119	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	76	0.00
2		1,4-Dioxane	40.000	40.599	-1.5	83	-0.02
3		Pyridine	40.000	35.706	10.7	71	-0.02
4		n-Nitrosodimethylamine	40.000	41.662	-4.2	83	-0.04
5	S	2-Fluorophenol	80.000	79.968	0.0	83	0.00
6		Aniline	40.000	29.356	26.6#	58	-0.01
7	S	Phenol-d6	80.000	77.133	3.6	80	0.00
8		2-Chlorophenol	40.000	39.841	0.4	82	0.00
9		Benzaldehyde	40.000	43.247	-8.1	88	0.00
10	C	Phenol	40.000	38.559	3.6	79	0.00
11		bis(2-Chloroethyl)ether	40.000	38.887	2.8	81	-0.01
12		1,3-Dichlorobenzene	40.000	39.899	0.3	82	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.605	-1.5	84	0.00
14		1,2-Dichlorobenzene	40.000	40.620	-1.5	84	0.00
15		Benzyl Alcohol	40.000	42.330	-5.8	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.424	6.4	76	0.00
17		2-Methylphenol	40.000	39.098	2.3	81	0.00
18		Hexachloroethane	40.000	41.378	-3.4	85	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.842	0.4	84	-0.02
20		3+4-Methylphenols	40.000	40.751	-1.9	84	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22		Acetophenone	40.000	40.923	-2.3	87	-0.01
23	S	Nitrobenzene-d5	80.000	80.499	-0.6	84	0.00
24		Nitrobenzene	40.000	39.612	1.0	81	-0.01
25		Isophorone	40.000	39.816	0.5	83	-0.01
26	C	2-Nitrophenol	40.000	40.576	-1.4	83	-0.01
27		2,4-Dimethylphenol	40.000	40.168	-0.4	82	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.010	2.5	82	-0.01
29	C	2,4-Dichlorophenol	40.000	40.508	-1.3	84	0.00
30		1,2,4-Trichlorobenzene	40.000	39.757	0.6	84	0.00
31		Naphthalene	40.000	39.616	1.0	83	-0.01
32		Benzoic acid	40.000	42.934	-7.3	82	-0.02
33		4-Chloroaniline	40.000	32.676	18.3	67	0.00
34	C	Hexachlorobutadiene	40.000	42.128	-5.3	89	0.00
35		Caprolactam	40.000	40.764	-1.9	84	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.066	-2.7	86	0.00
37		2-Methylnaphthalene	40.000	40.024	-0.1	84	0.00
38		1-Methylnaphthalene	40.000	40.034	-0.1	85	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	80	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.167	-0.4	86	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.173	-10.4	86	-0.01
42	S	2,4,6-Tribromophenol	80.000	84.706	-5.9	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.768	-1.9	83	0.00
44		2,4,5-Trichlorophenol	40.000	40.747	-1.9	88	0.00
45	S	2-Fluorobiphenyl	80.000	79.517	0.6	87	0.00
46		1,1'-Biphenyl	40.000	39.393	1.5	84	0.00
47		2-Chloronaphthalene	40.000	39.346	1.6	85	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.613	-1.5	85	0.00
49		Acenaphthylene	40.000	39.561	1.1	84	-0.01
50		Dimethylphthalate	40.000	40.182	-0.5	88	-0.01
51		2,6-Dinitrotoluene	40.000	40.128	-0.3	85	0.00
52	C	Acenaphthene	40.000	40.321	-0.8	87	0.00
53		3-Nitroaniline	40.000	40.403	-1.0	82	-0.01
54	P	2,4-Dinitrophenol	40.000	46.667	-16.7	92	-0.01
55		Dibenzofuran	40.000	39.528	1.2	85	0.00
56	P	4-Nitrophenol	40.000	41.887	-4.7	84	0.01
57		2,4-Dinitrotoluene	40.000	41.657	-4.1	88	-0.01
58		Fluorene	40.000	40.737	-1.8	88	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.131	-5.3	88	0.00
60		Diethylphthalate	40.000	41.105	-2.8	88	-0.01
61		4-Chlorophenyl-phenylether	40.000	40.268	-0.7	88	0.00
62		4-Nitroaniline	40.000	43.258	-8.1	90	-0.01
63		Azobenzene	40.000	39.486	1.3	85	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	47.204	-18.0	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.703	0.7	86	-0.01
67		4-Bromophenyl-phenylether	40.000	41.761	-4.4	90	-0.01
68		Hexachlorobenzene	40.000	41.015	-2.5	89	-0.01
69		Atrazine	40.000	40.023	-0.1	85	-0.01
70	C	Pentachlorophenol	40.000	45.068	-12.7	92	0.00
71		Phenanthrene	40.000	40.745	-1.9	89	0.00
72		Anthracene	40.000	41.070	-2.7	90	0.00
73		Carbazole	40.000	41.848	-4.6	91	0.00
74		Di-n-butylphthalate	40.000	42.285	-5.7	92	0.00
75	C	Fluoranthene	40.000	42.335	-5.8	93	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77		Benzidine	40.000	29.208	27.0#	58	0.00
78		Pyrene	40.000	38.305	4.2	94	0.00
79	S	Terphenyl-d14	80.000	78.604	1.7	97	0.00
80		Butylbenzylphthalate	40.000	41.929	-4.8	101	-0.01
81		Benzo(a)anthracene	40.000	37.437	6.4	91	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.639	3.4	91	-0.01
83		Chrysene	40.000	39.215	2.0	98	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.840	-9.6	107	-0.01
85	c	Di-n-octyl phthalate	40.000	44.601	-11.5	108	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	83	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.938	-4.8	89	-0.04
88		Benzo(b)fluoranthene	40.000	39.222	1.9	91	-0.02
89		Benzo(k)fluoranthene	40.000	41.439	-3.6	88	-0.02
90	C	Benzo(a)pyrene	40.000	40.922	-2.3	89	-0.02
91		Dibenzo(a,h)anthracene	40.000	42.442	-6.1	90	-0.04
92		Benzo(g,h,i)perylene	40.000	41.452	-3.6	89	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141373.D
Acq On : 03 Feb 2025 17:14
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 04 00:16:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 15:16

Lab File ID: BF141447.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.309		0.5	
Benzaldehyde	0.960	1.065		10.9	
Phenol-d6	1.657	1.599		-3.5	
Phenol	1.757	1.692		-3.7	20.0
bis(2-Chloroethyl)ether	1.347	1.250		-7.2	
2-Chlorophenol	1.396	1.375		-1.5	
2-Methylphenol	1.135	1.070		-5.7	
2,2-oxybis(1-Chloropropane)	2.342	2.062		-12.0	
Acetophenone	0.475	0.495		4.2	
3+4-Methylphenols	1.393	1.393		0.0	
n-Nitroso-di-n-propylamine	0.985	0.936	0.050	-5.0	
Nitrobenzene-d5	0.379	0.401		5.8	
Hexachloroethane	0.571	0.587		2.8	
Nitrobenzene	0.393	0.410		4.3	
Isophorone	0.656	0.639		-2.6	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.299		3.5	20.0
Naphthalene	1.057	1.071		1.3	
4-Chloroaniline	0.358	0.310		-13.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.324		4.5	20.0
2-Methylnaphthalene	0.672	0.677		0.7	
Hexachlorocyclopentadiene	0.168	0.169	0.050	0.6	
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.332		2.5	
2,4,5-Trichlorophenol	0.405	0.414		2.2	
1,1-Biphenyl	1.560	1.541		-1.2	
2-Chloronaphthalene	1.216	1.206		-0.8	
2-Nitroaniline	0.382	0.407		6.5	
Dimethylphthalate	1.351	1.366		1.1	
Acenaphthylene	1.702	1.722		1.2	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.253		3.0	20.0
2,4-Dinitrophenol	0.146	0.168	0.050	15.1	
4-Nitrophenol	0.225	0.235	0.050	4.4	

Form VII SV-1

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1207 SAS No.: Q1207 SDG No.: Q1207

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 15:16

Lab File ID: BF141447.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.652		1.5	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.335		1.9	
4-Chlorophenyl-phenylether	0.617	0.647		4.9	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.331		9.6	
4,6-Dinitro-2-methylphenol	0.118	0.139		17.8	
n-Nitrosodiphenylamine	0.647	0.640		-1.1	20.0
2,4,6-Tribromophenol	0.183	0.203		10.9	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.238	0.245		2.9	
Atrazine	0.216	0.205		-5.1	
Pentachlorophenol	0.139	0.152		9.4	20.0
Phenanthrene	1.075	1.125		4.7	
Anthracene	1.053	1.105		4.9	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.175		3.8	
Fluoranthene	1.062	1.201		13.1	20.0
Pyrene	1.920	1.896		-1.3	
Terphenyl-d14	1.297	1.301		0.3	
Butylbenzylphthalate	0.671	0.684		1.9	
3,3-Dichlorobenzidine	0.439	0.417		-5.0	
Benzo(a)anthracene	1.380	1.336		-3.2	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.857		0.7	
Di-n-octyl phthalate	1.321	1.226		-7.2	20.0
Benzo(b)fluoranthene	1.258	1.311		4.2	
Benzo(k)fluoranthene	1.114	1.155		3.7	
Benzo(a)pyrene	1.063	1.108		4.2	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.316		1.9	
Dibenzo(a,h)anthracene	1.039	1.048		0.9	
Benzo(g,h,i)perylene	1.080	1.092		1.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.580		1.9	
1,4-Dioxane	0.573	0.522		-8.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.343		7.5	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	82418	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	312528	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	169230	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	293274	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	189132	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	170936	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	431535	80.382	ng	0.00
7) Phenol-d6	6.434	99	527065	77.175	ng	0.00
23) Nitrobenzene-d5	7.357	82	501910	84.661	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	137575	88.675	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	901907	82.031	ng	-0.01
79) Terphenyl-d14	12.904	244	984126	80.246	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.451	88	86079	36.458	ng	97
3) Pyridine	3.181	79	212209	37.303	ng	94
4) n-Nitrosodimethylamine	3.140	42	142194m	43.755	ng	
6) Aniline	6.451	93	213567	36.942	ng	# 26
8) 2-Chlorophenol	6.581	128	226620	39.384	ng	97
9) Benzaldehyde	6.339	77	175480	44.359	ng	98
10) Phenol	6.445	94	278886	38.522	ng	# 71
11) bis(2-Chloroethyl)ether	6.528	93	206064	37.123	ng	99
12) 1,3-Dichlorobenzene	6.728	146	258314	40.714	ng	98
13) 1,4-Dichlorobenzene	6.810	146	257154	40.346	ng	100
14) 1,2-Dichlorobenzene	6.963	146	243391	40.781	ng	99
15) Benzyl Alcohol	6.934	79	196541	42.111	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	339918	35.215	ng	86
17) 2-Methylphenol	7.051	107	176306	37.700	ng	# 93
18) Hexachloroethane	7.304	117	96738	41.142	ng	95
19) n-Nitroso-di-n-propyla...	7.204	70	154323	38.029	ng	99
20) 3+4-Methylphenols	7.204	107	229646	39.993	ng	91
22) Acetophenone	7.204	105	309705	41.690	ng	97
24) Nitrobenzene	7.375	77	256448	41.742	ng	98
25) Isophorone	7.610	82	399431	38.977	ng	98
26) 2-Nitrophenol	7.692	139	120266	41.507	ng	95
27) 2,4-Dimethylphenol	7.734	122	143150m	38.815	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	246023	37.637	ng	99
29) 2,4-Dichlorophenol	7.939	162	186722	41.356	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	214815	41.662	ng	99
31) Naphthalene	8.098	128	669352	40.542	ng	99
32) Benzoic acid	7.851	122	142996	42.178	ng	96
33) 4-Chloroaniline	8.145	127	193463	34.556	ng	98
34) Hexachlorobutadiene	8.210	225	132295	43.752	ng	99
35) Caprolactam	8.516	113	58255	39.508	ng	98
36) 4-Chloro-3-methylphenol	8.633	107	202603	41.835	ng	97
37) 2-Methylnaphthalene	8.786	142	423023	40.313	ng	100
38) 1-Methylnaphthalene	8.886	142	413353	40.101	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	196378	40.790	ng	99
41) Hexachlorocyclopentadiene	8.939	237	57315	40.311	ng	98
43) 2,4,6-Trichlorophenol	9.069	196	130083	41.280	ng	100

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Manual Integrations APPROVED
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Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	140152	40.864	ng		99
46) 1,1'-Biphenyl	9.251	154	521663	39.526	ng		98
47) 2-Chloronaphthalene	9.275	162	408289	39.690	ng		100
48) 2-Nitroaniline	9.375	65	137877	42.611	ng		97
49) Acenaphthylene	9.692	152	582863	40.477	ng		100
50) Dimethylphthalate	9.551	163	462460	40.461	ng		100
51) 2,6-Dinitrotoluene	9.616	165	108549	40.902	ng		96
52) Acenaphthene	9.863	154	424189	41.234	ng		99
53) 3-Nitroaniline	9.786	138	105728	40.648	ng		98
54) 2,4-Dinitrophenol	9.892	184	56897	46.121	ng		90
55) Dibenzofuran	10.033	168	559125	40.604	ng		96
56) 4-Nitrophenol	9.963	139	79433	41.757	ng		91
57) 2,4-Dinitrotoluene	10.022	165	148623	43.255	ng		94
58) Fluorene	10.380	166	445212	41.681	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	116047	43.009	ng		96
60) Diethylphthalate	10.251	149	451800	40.767	ng		98
61) 4-Chlorophenyl-phenyle...	10.369	204	218833	41.942	ng		96
62) 4-Nitroaniline	10.398	138	112018	43.805	ng		90
63) Azobenzene	10.533	77	442185	39.861	ng		97
65) 4,6-Dinitro-2-methylph...	10.427	198	81693	47.093	ng		94
66) n-Nitrosodiphenylamine	10.492	169	375589	39.596	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	134728	41.034	ng		97
68) Hexachlorobenzene	10.927	284	143713	41.264	ng		99
69) Atrazine	11.016	200	120467	37.984	ng		99
70) Pentachlorophenol	11.122	266	89197	43.736	ng		99
71) Phenanthrene	11.339	178	659727	41.848	ng		100
72) Anthracene	11.392	178	647901	41.945	ng		99
73) Carbazole	11.551	167	589368	43.030	ng		99
74) Di-n-butylphthalate	11.880	149	689234	41.523	ng		99
75) Fluoranthene	12.527	202	704384	45.252	ng		99
77) Benzidine	12.657	184	243520	40.163	ng		99
78) Pyrene	12.757	202	717034	39.495	ng		100
80) Butylbenzylphthalate	13.380	149	258917	40.822	ng		98
81) Benzo(a)anthracene	13.951	228	505330	38.719	ng		100
82) 3,3'-Dichlorobenzidine	13.915	252	157600	37.967	ng		98
83) Chrysene	13.986	228	468237	39.147	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	324105	40.283	ng		100
85) Di-n-octyl phthalate	14.568	149	463778	37.112	ng		99
87) Indeno(1,2,3-cd)pyrene	16.868	276	449874	40.777	ng		95
88) Benzo(b)fluoranthene	15.004	252	448091m	41.674	ng		
89) Benzo(k)fluoranthene	15.033	252	394915	41.460	ng		98
90) Benzo(a)pyrene	15.362	252	378746	41.684	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	358157	40.350	ng		97
92) Benzo(g,h,i)perylene	17.303	276	373186	40.435	ng	#	94

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

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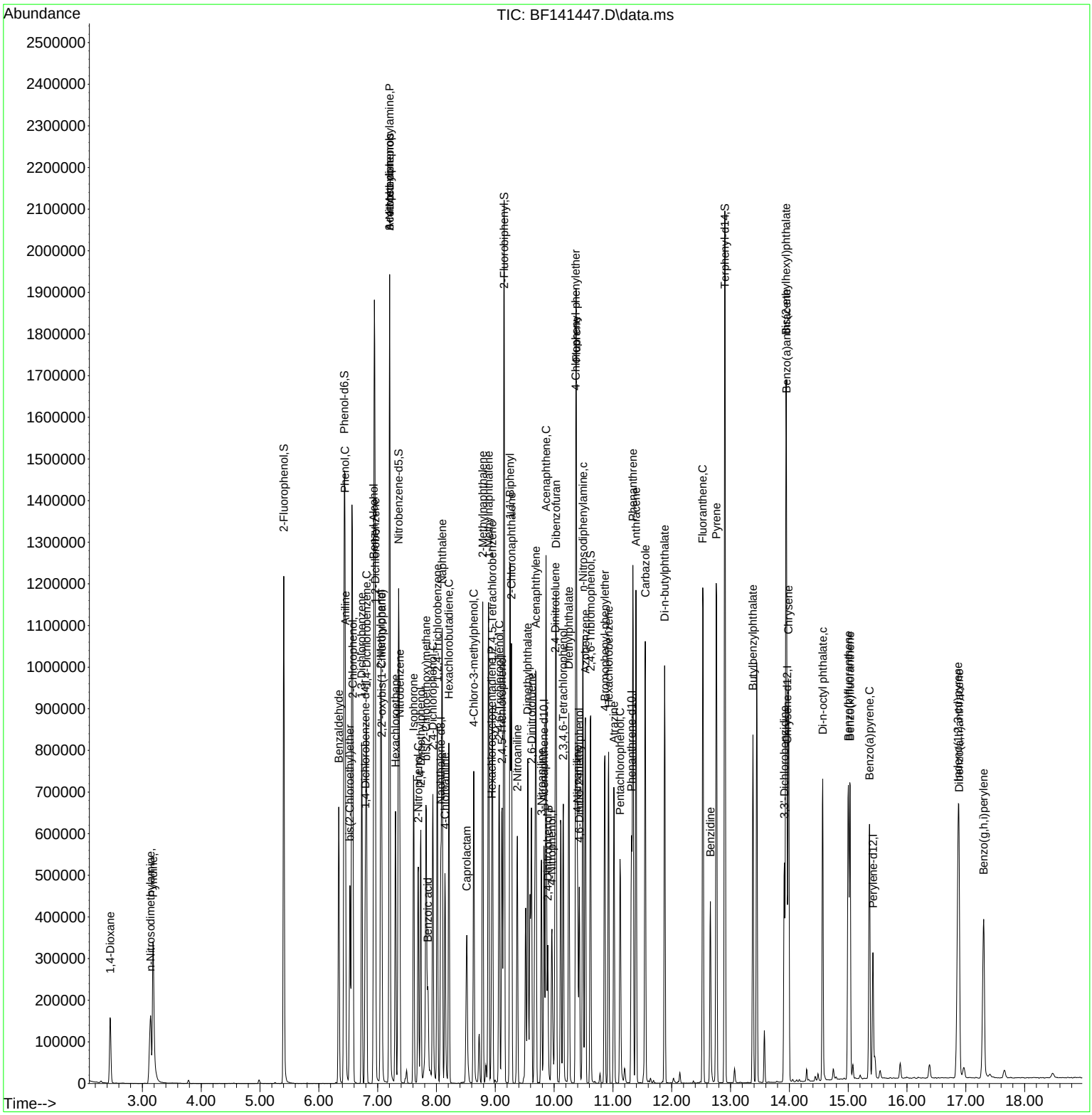
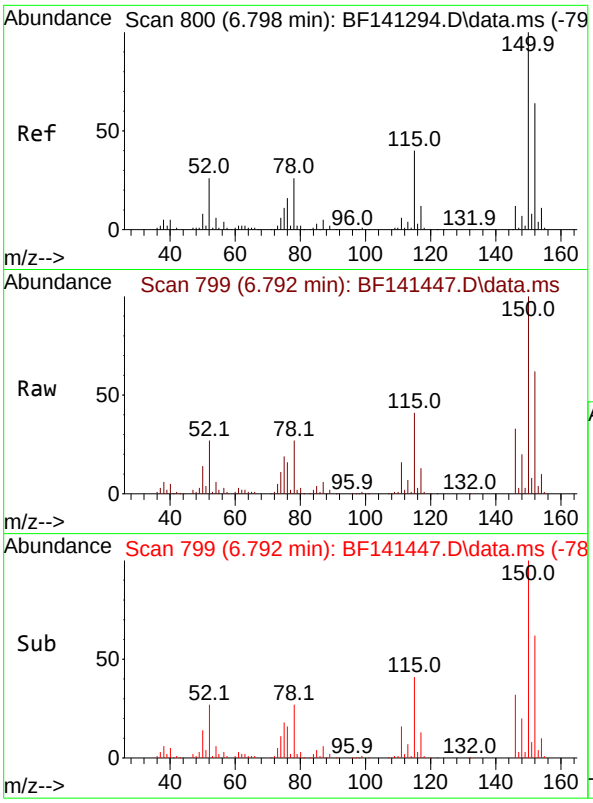
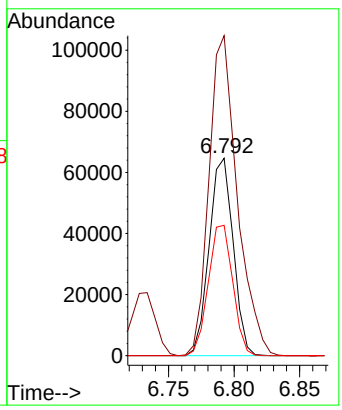




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:152 Resp: 8241

Ion	Ratio	Lower	Upper
152	100		
150	162.1	125.9	188.9
115	66.1	49.7	74.5



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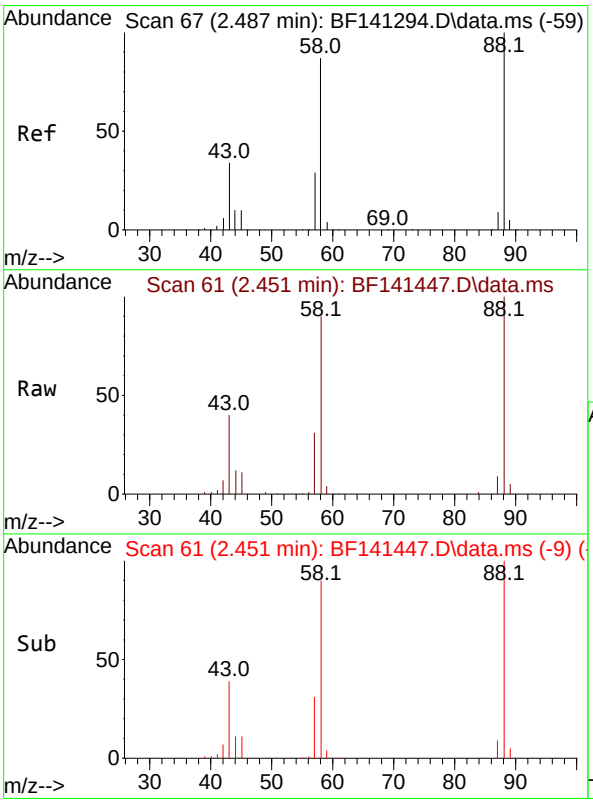
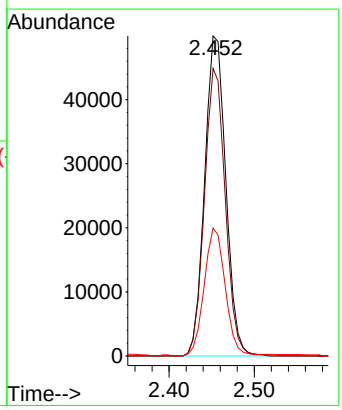
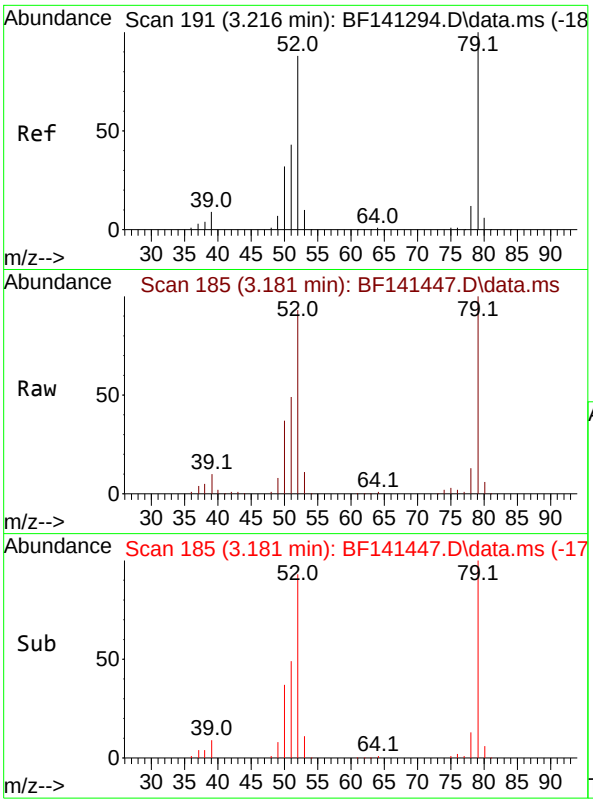


#2
1,4-Dioxane
Concen: 36.458 ng
RT: 2.451 min Scan# 61
Delta R.T. -0.041 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 88 Resp: 86079

Ion	Ratio	Lower	Upper
88	100		
58	88.4	70.2	105.4
43	39.8	27.6	41.4

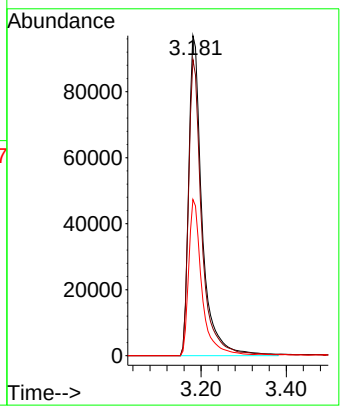




#3
Pyridine
Concen: 37.303 ng
RT: 3.181 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 79 Resp: 21220

Ion	Ratio	Lower	Upper
79	100		
52	92.6	70.3	105.5
51	48.8	34.3	51.5



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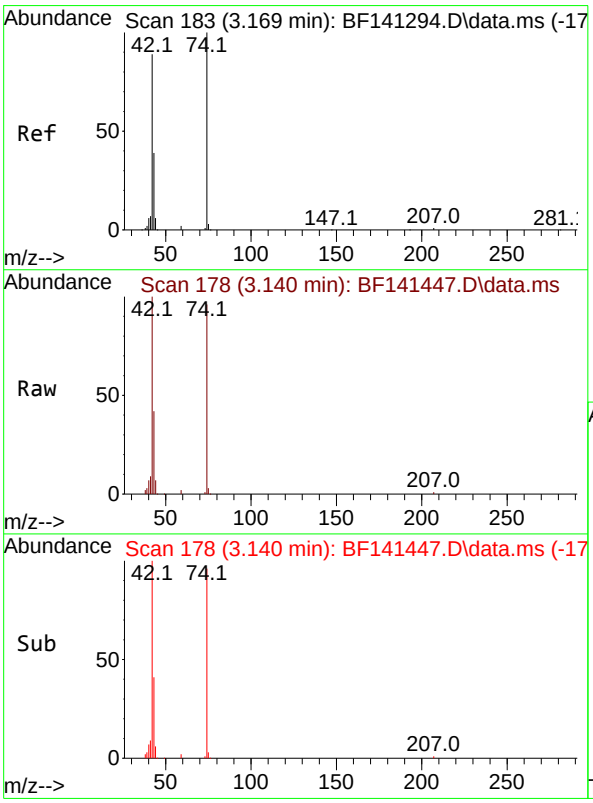
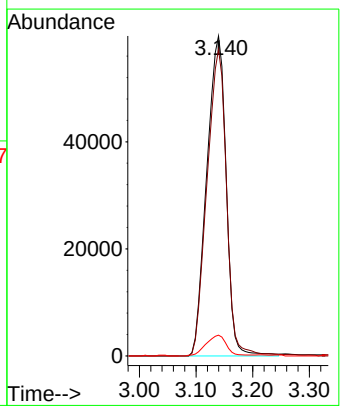
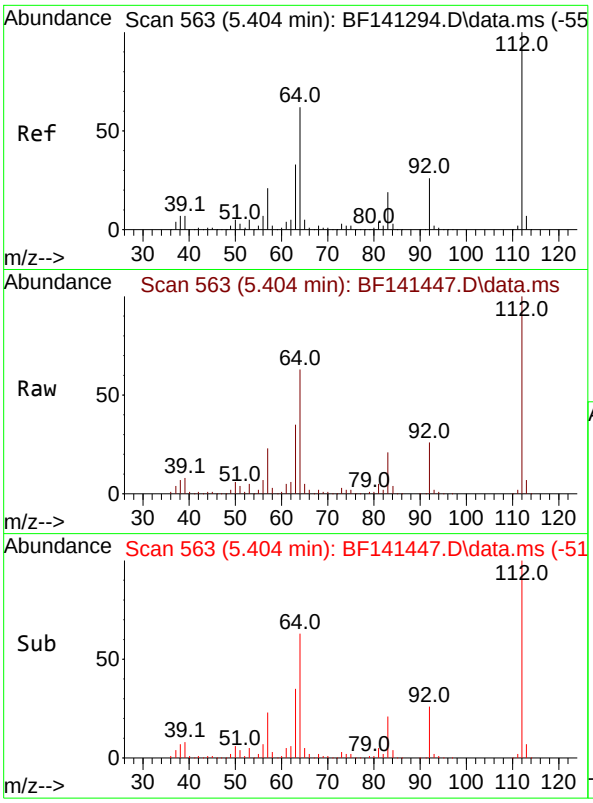


#4
n-Nitrosodimethylamine
Concen: 43.755 ng m
RT: 3.140 min Scan# 178
Delta R.T. -0.059 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 42 Resp: 142194

Ion	Ratio	Lower	Upper
42	100		
74	95.8	90.3	135.5
44	6.5	5.7	8.5

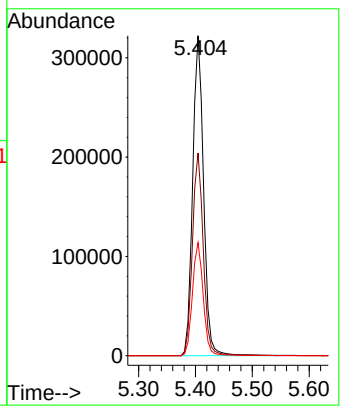




#5
2-Fluorophenol
Concen: 80.382 ng
RT: 5.404 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:112 Resp: 43153

Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.8	74.8
63	35.3	26.1	39.1



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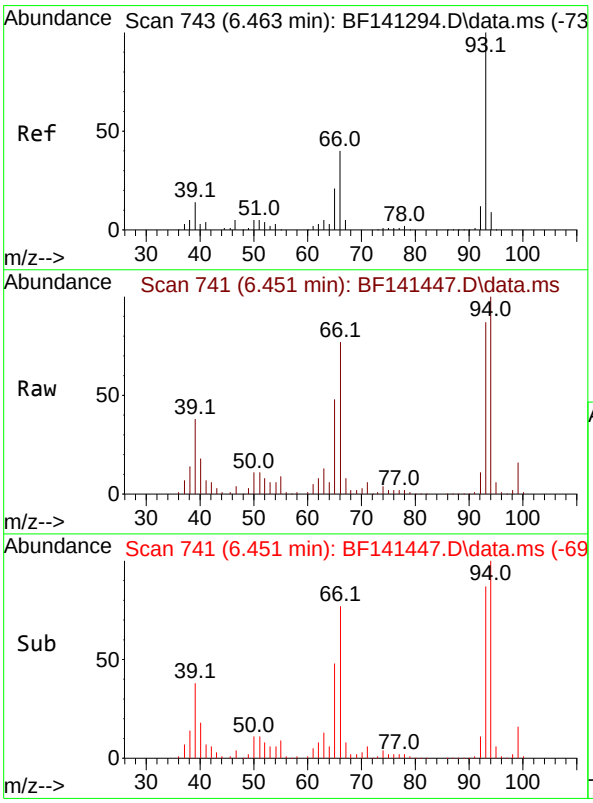
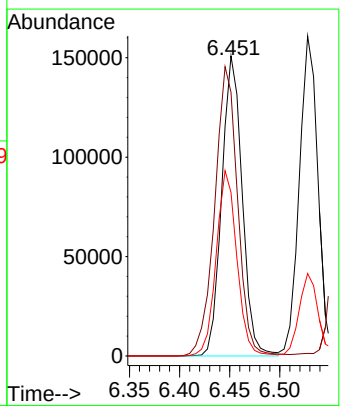
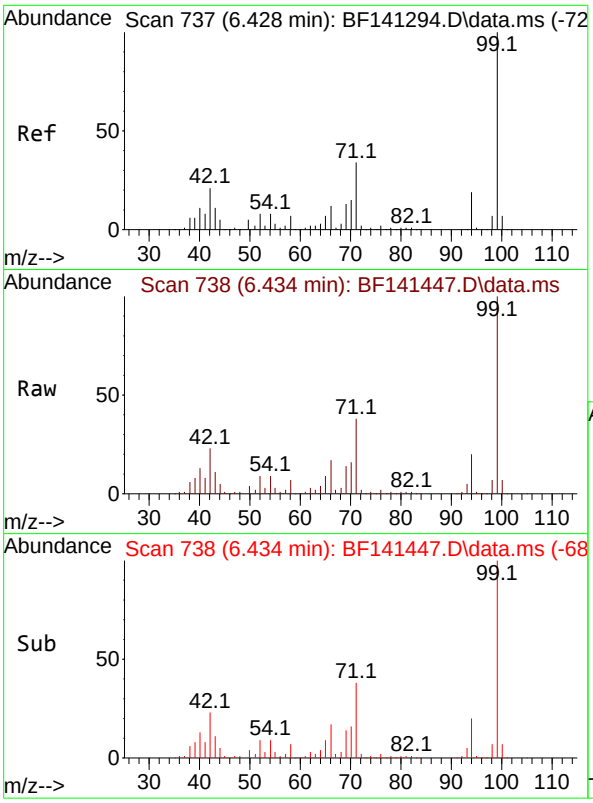


#6
Aniline
Concen: 36.942 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 93 Resp: 213567

Ion	Ratio	Lower	Upper
93	100		
66	87.9	32.5	48.7#
65	54.5	17.0	25.6#

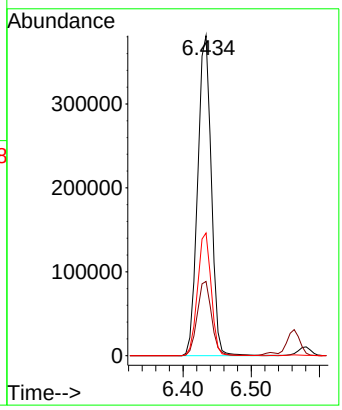




#7
Phenol-d6
Concen: 77.175 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 99 Resp: 52706

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.1	25.7
71	38.3	26.9	40.3



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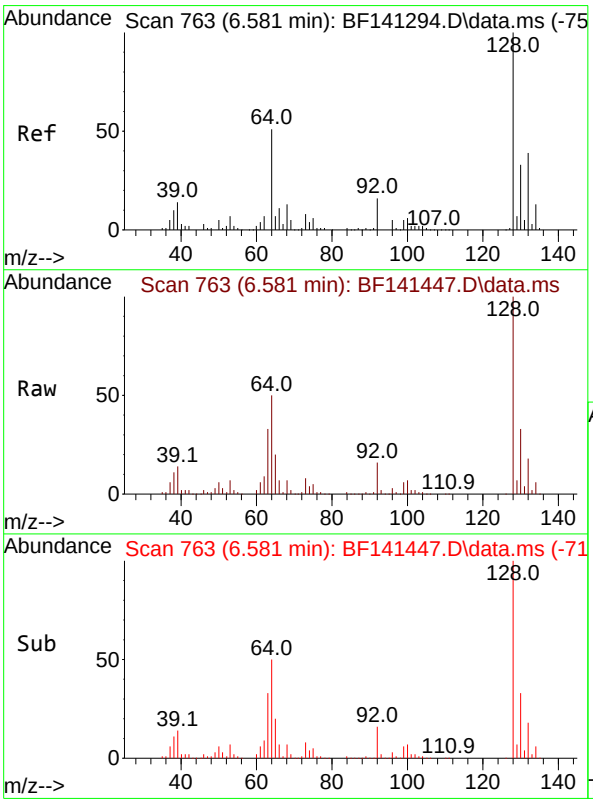
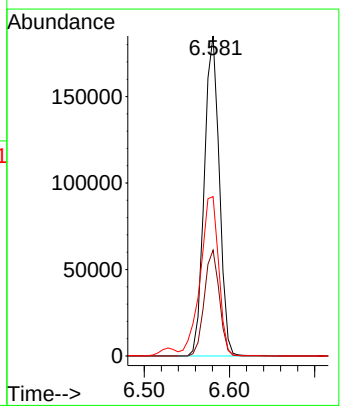
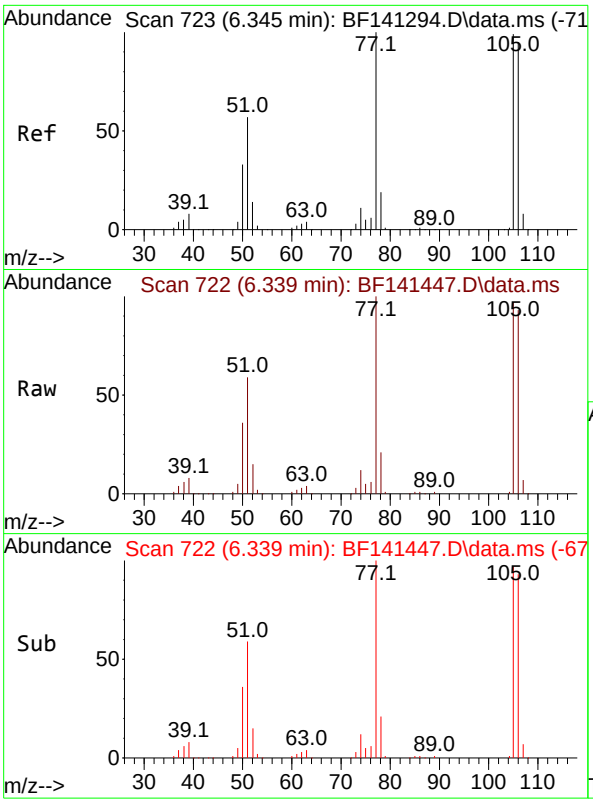


#8
2-Chlorophenol
Concen: 39.384 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:128 Resp: 226620

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.5	52.5
64	49.8	32.9	72.9

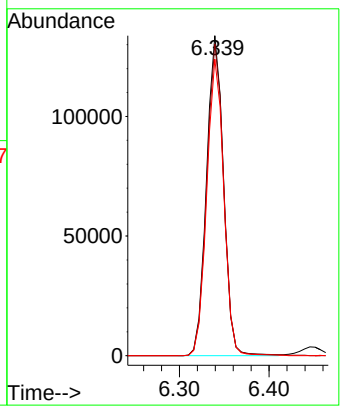




#9
Benzaldehyde
Concen: 44.359 ng
RT: 6.339 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 77 Resp: 17548

Ion	Ratio	Lower	Upper
77	100		
105	97.5	79.4	119.4
106	92.7	74.6	114.6



Instrument :
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ClientSampleId :
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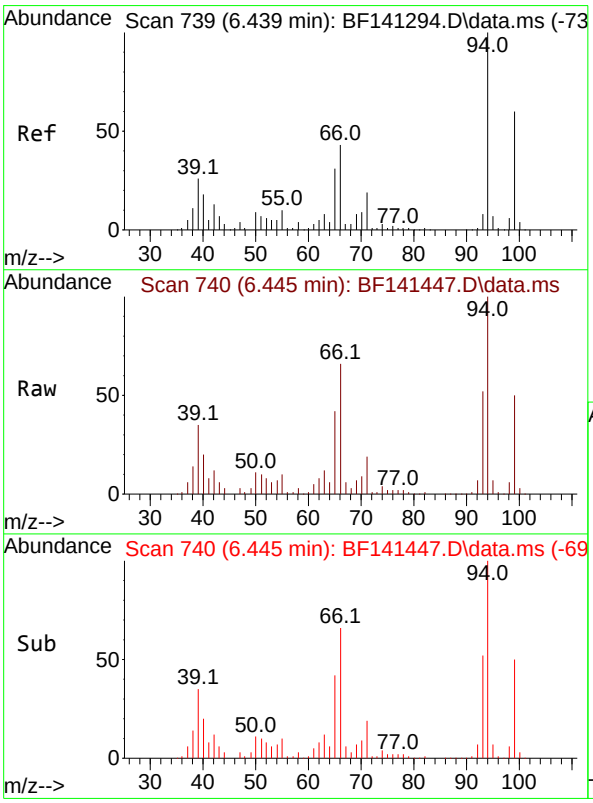
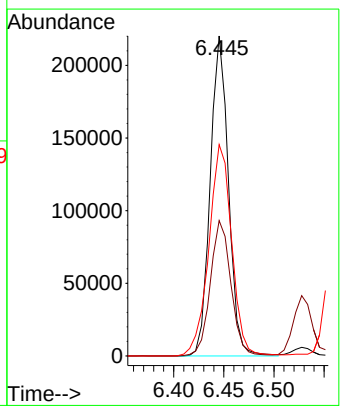
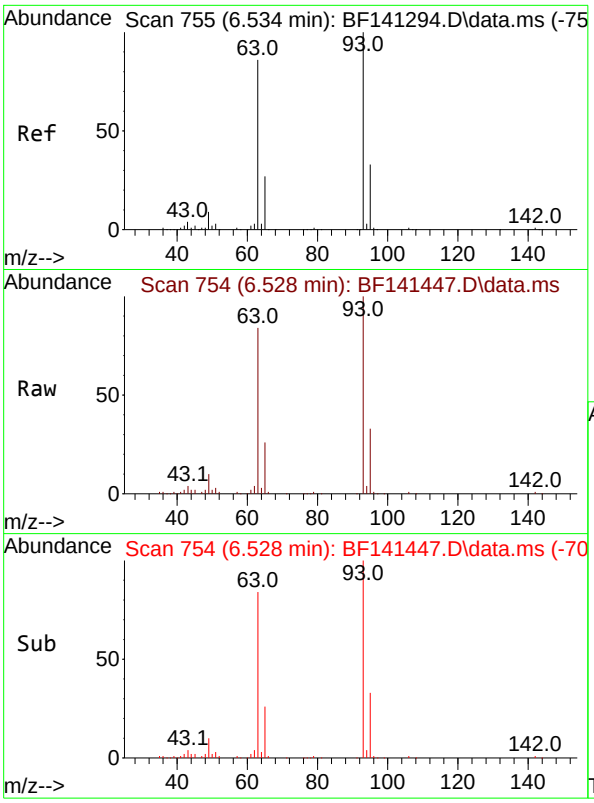


#10
Phenol
Concen: 38.522 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 94 Resp: 278886

Ion	Ratio	Lower	Upper
94	100		
65	42.3	10.8	50.8
66	66.1	23.3	63.3#

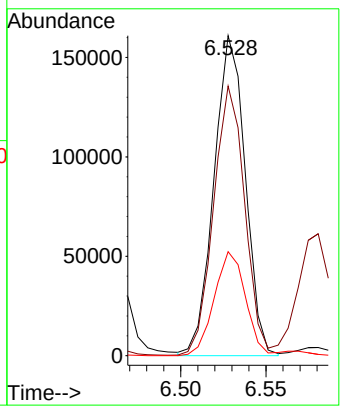




#11
bis(2-Chloroethyl)ether
Concen: 37.123 ng
RT: 6.528 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 93 Resp: 20606

Ion	Ratio	Lower	Upper
93	100		
63	84.3	65.0	105.0
95	32.5	12.4	52.4



Instrument :
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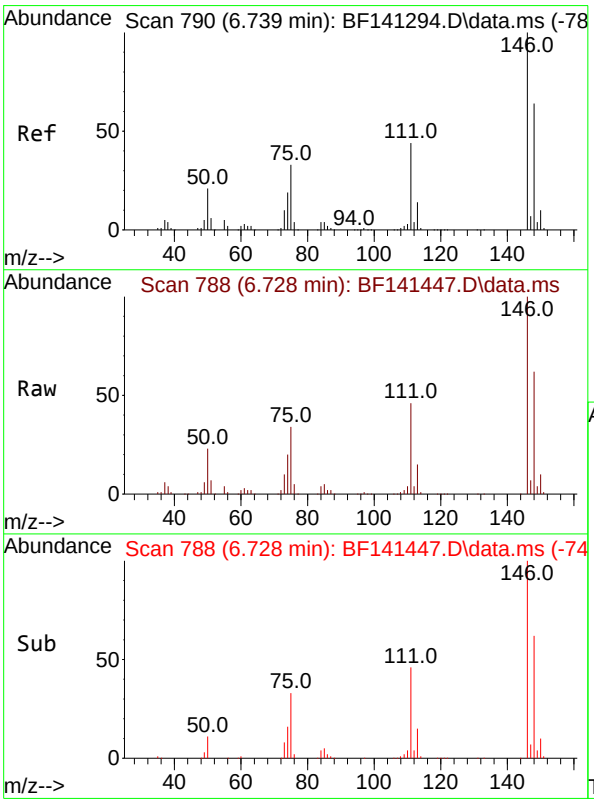
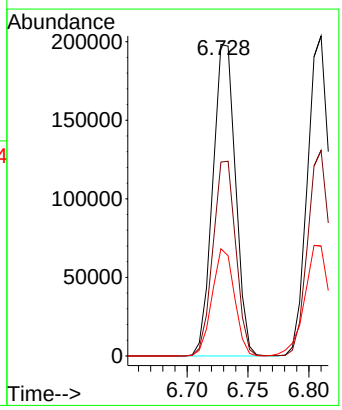
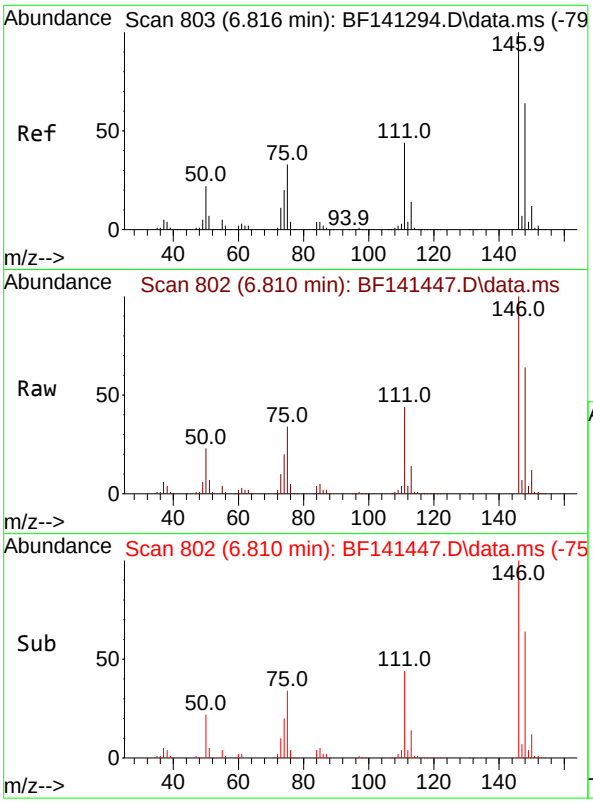


#12
1,3-Dichlorobenzene
Concen: 40.714 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:146 Resp: 258314

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.2	76.8
75	34.4	26.2	39.4

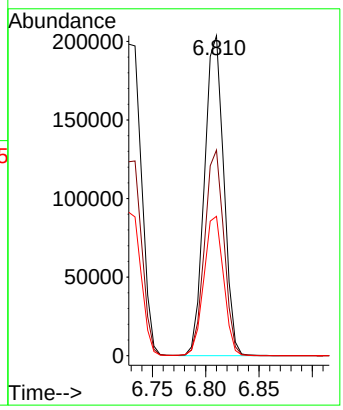




#13
1,4-Dichlorobenzene
Concen: 40.346 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:146 Resp: 25715

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	43.6	35.0	52.4



Instrument :
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ClientSampleId :
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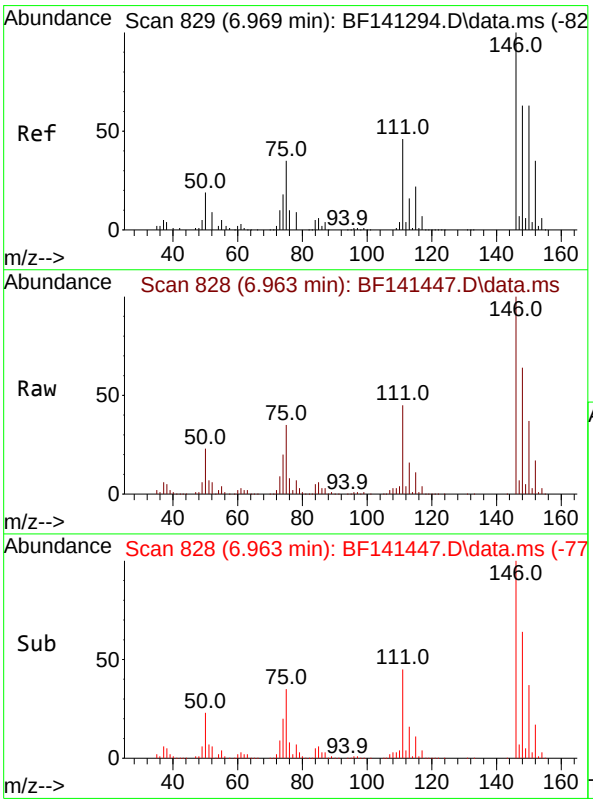
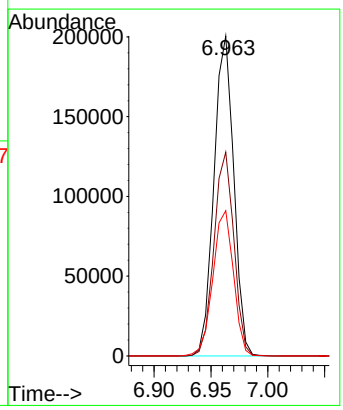
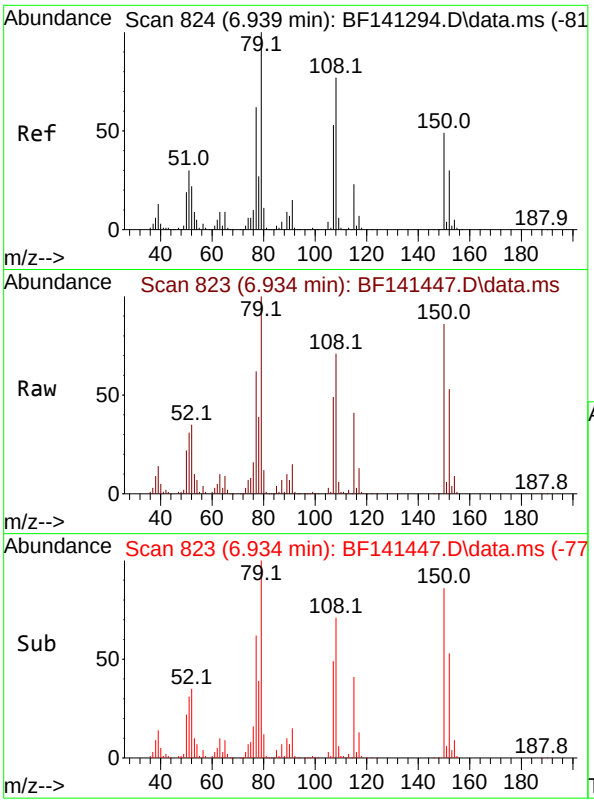


#14
1,2-Dichlorobenzene
Concen: 40.781 ng
RT: 6.963 min Scan# 828
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:146 Resp: 243391

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	45.4	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.111 ng
RT: 6.934 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 79 Resp: 19654

Ion	Ratio	Lower	Upper
79	100		
108	71.3	61.4	92.0
77	62.4	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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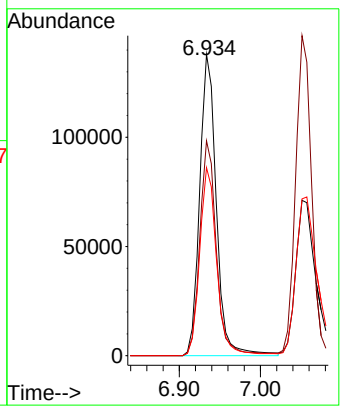
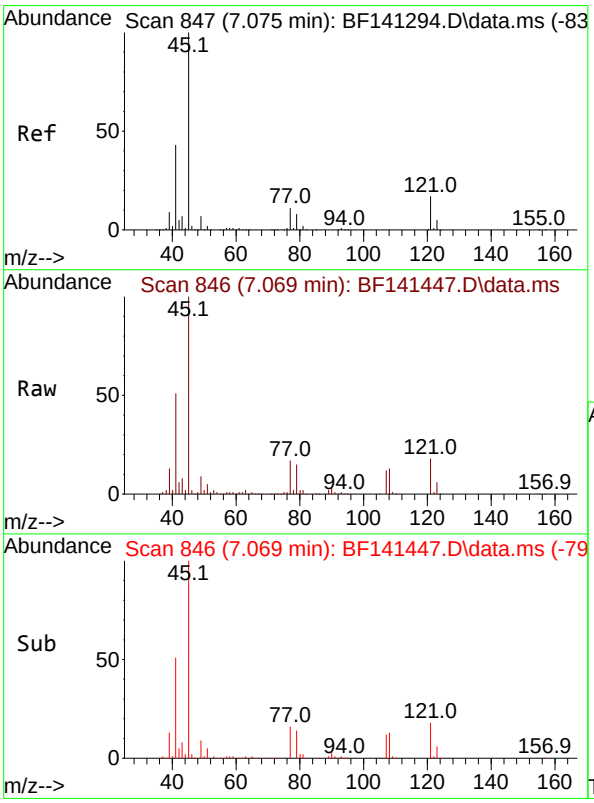
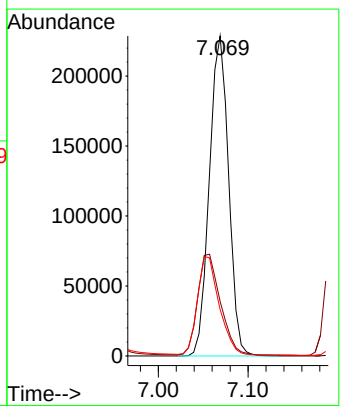


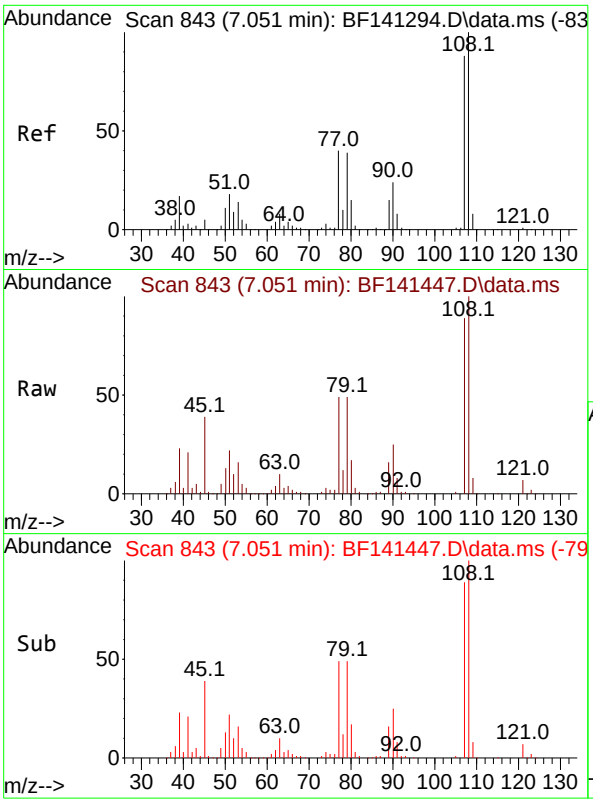


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.215 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 45 Resp: 339918

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	31.8
79	14.5	0.0	29.1

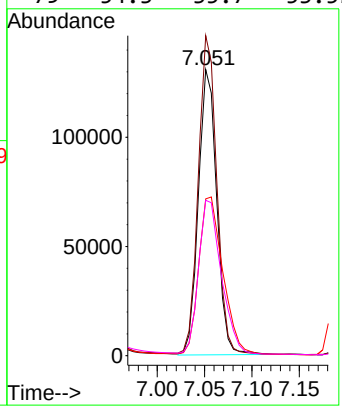




#17
2-Methylphenol
Concen: 37.700 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:107 Resp: 17630

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.8	136.2
77	54.8	36.2	54.4#
79	54.3	35.7	53.5#



Instrument :
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ClientSampleId :
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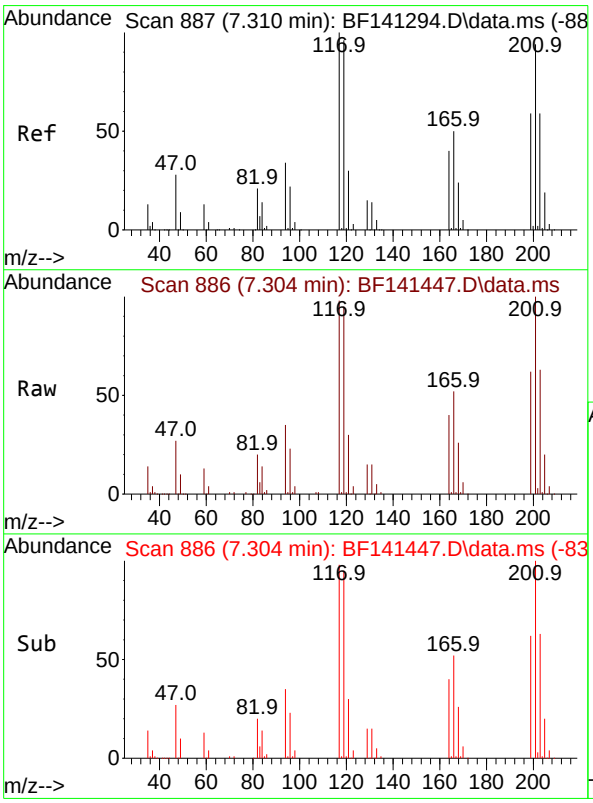
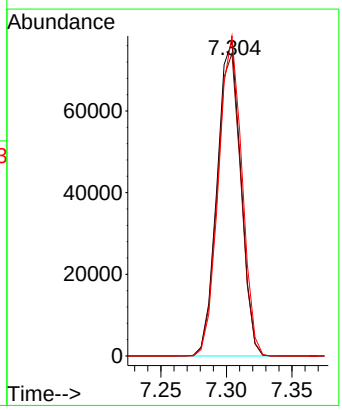
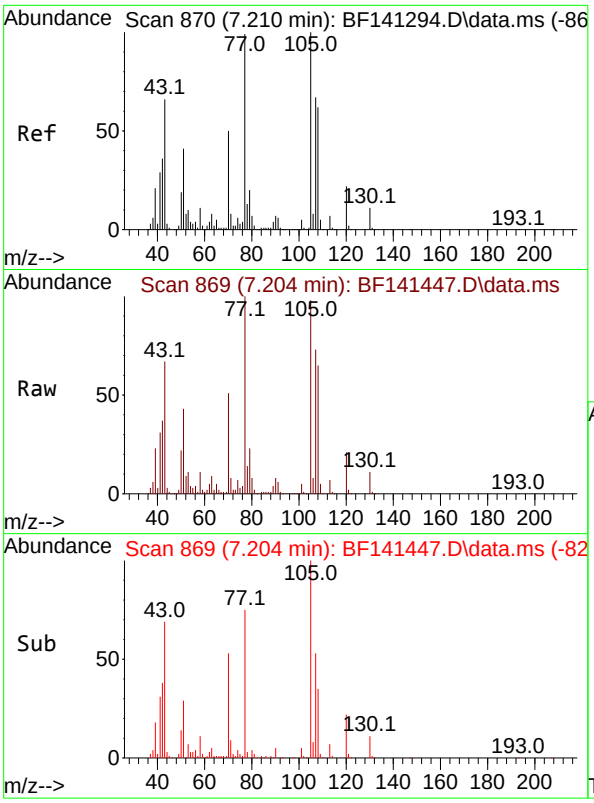


#18
Hexachloroethane
Concen: 41.142 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:117 Resp: 96738

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.6	114.8
201	101.8	74.8	112.2

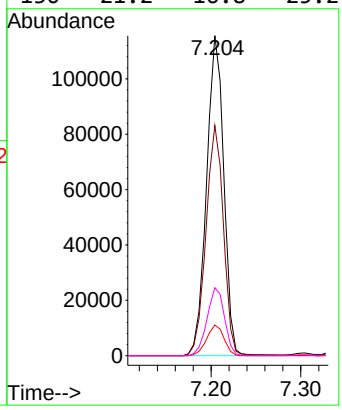




#19
n-Nitroso-di-n-propylamine
Concen: 38.029 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 70 Resp: 15432

Ion	Ratio	Lower	Upper
70	100		
42	71.9	56.8	85.2
101	9.5	7.7	11.5
130	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
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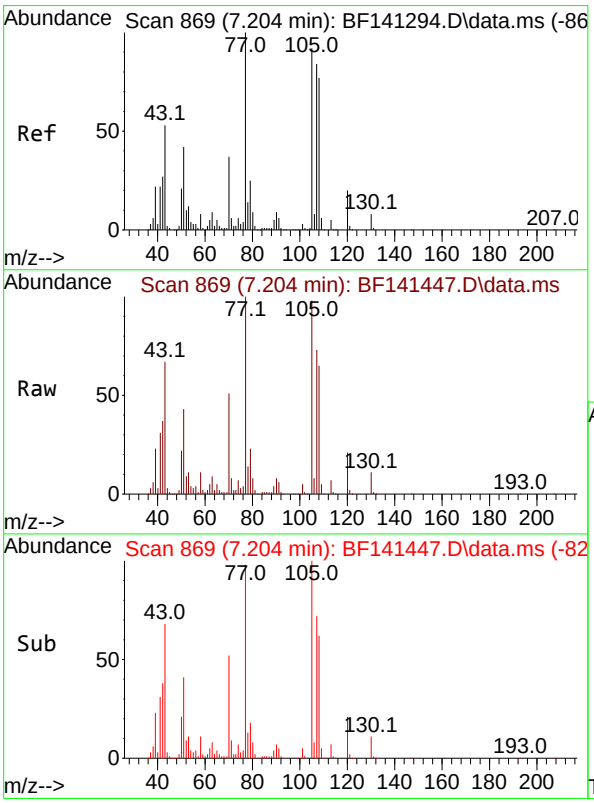
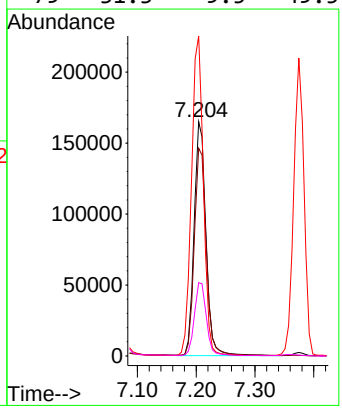
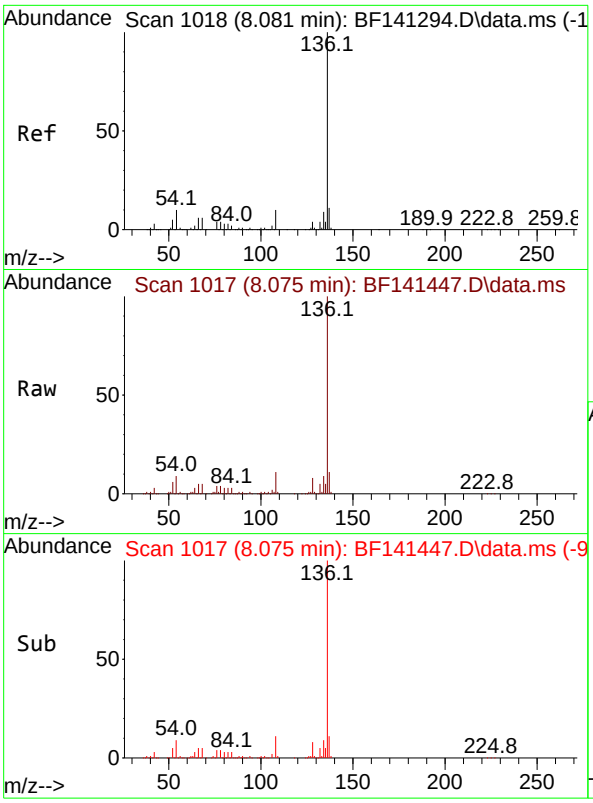


#20
3+4-Methylphenols
Concen: 39.993 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:107 Resp: 229646

Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.9	110.9
77	136.6	98.5	138.5
79	31.3	9.5	49.5

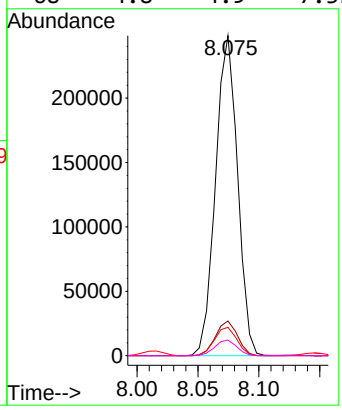




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:136 Resp: 31252

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.9	7.8	11.8
68	4.8	4.9	7.3#



Instrument :
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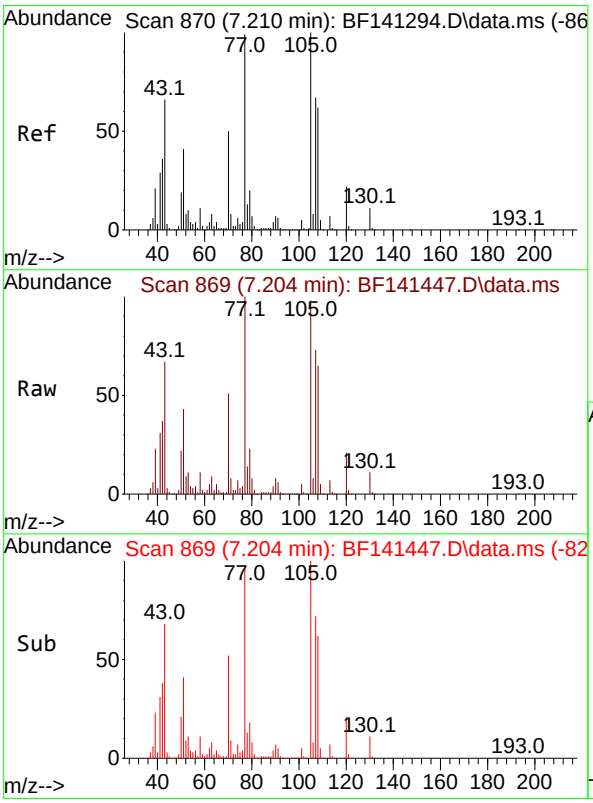
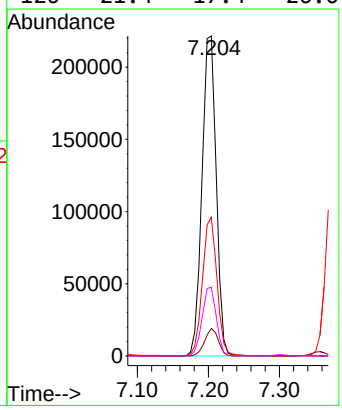
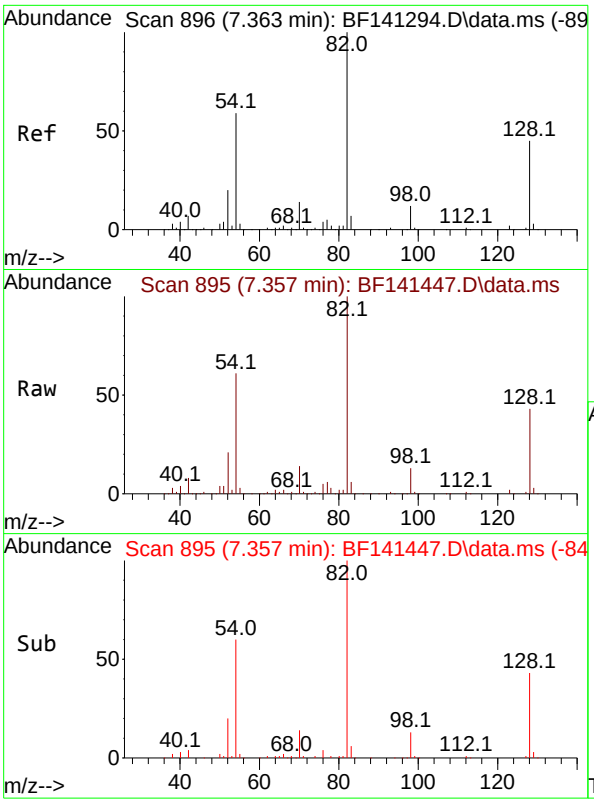


#22
Acetophenone
Concen: 41.690 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:105 Resp: 309705

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.8	10.2
51	43.4	32.6	49.0
120	21.4	17.4	26.0





#23
Nitrobenzene-d5
Concen: 84.661 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 82 Resp: 50191

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.7	53.5
54	60.7	47.1	70.7

Instrument :
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ClientSampleId :
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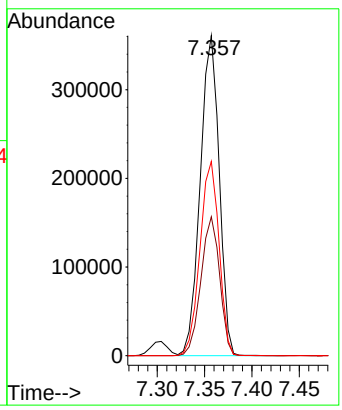
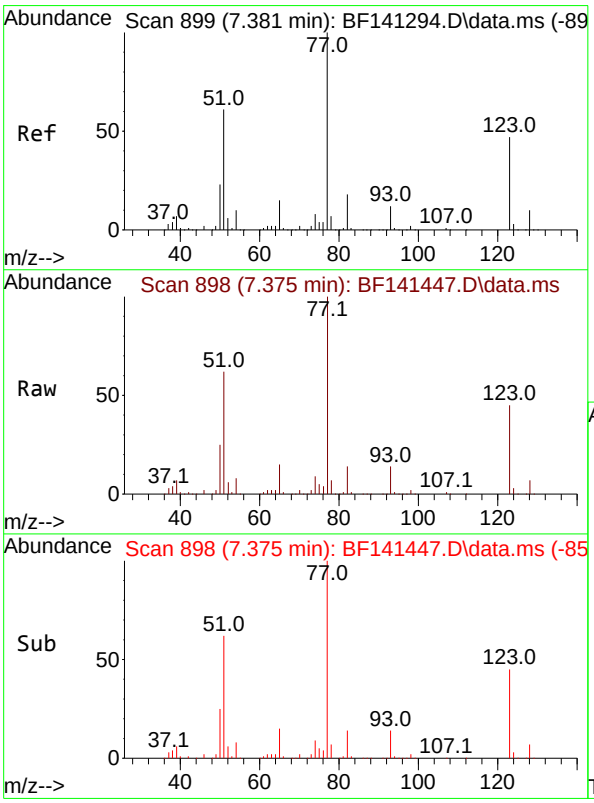
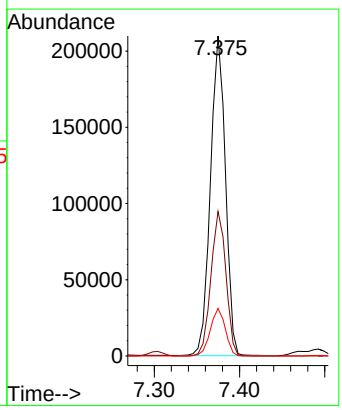


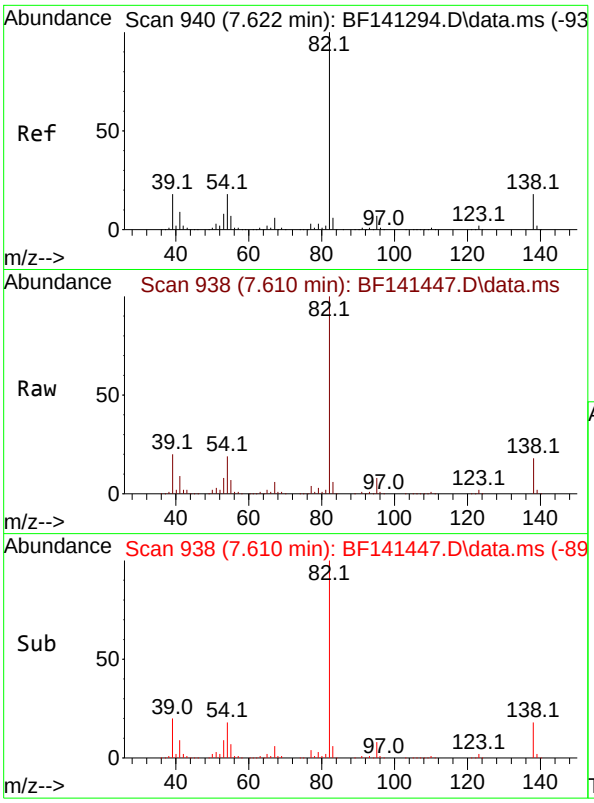


#24
Nitrobenzene
Concen: 41.742 ng
RT: 7.375 min Scan# 898
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 77 Resp: 256448

Ion	Ratio	Lower	Upper
77	100		
123	45.1	37.3	55.9
65	14.8	11.8	17.6

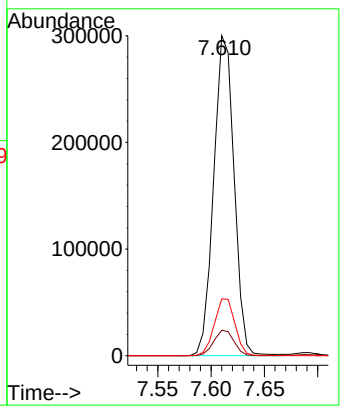




#25
Isophorone
Concen: 38.977 ng
RT: 7.610 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 82 Resp: 39943

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.6
138	17.7	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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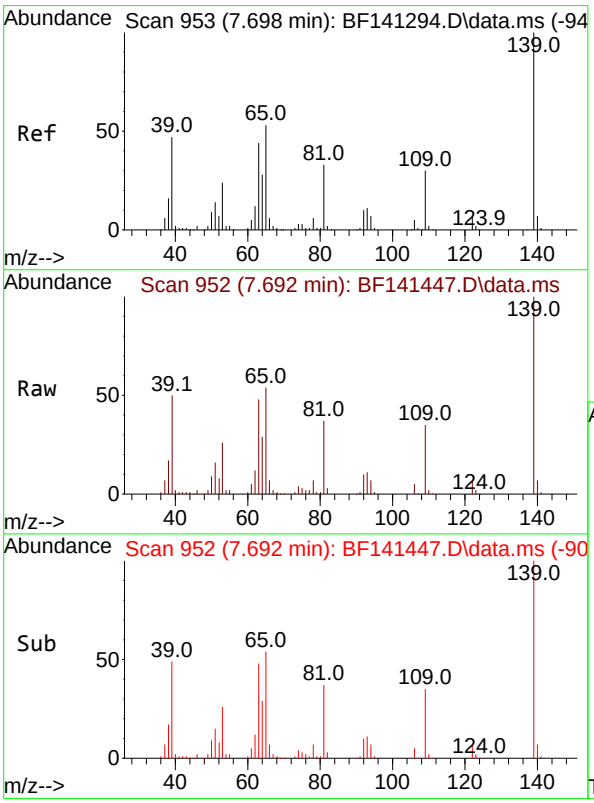
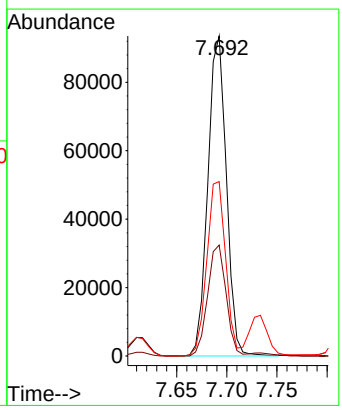
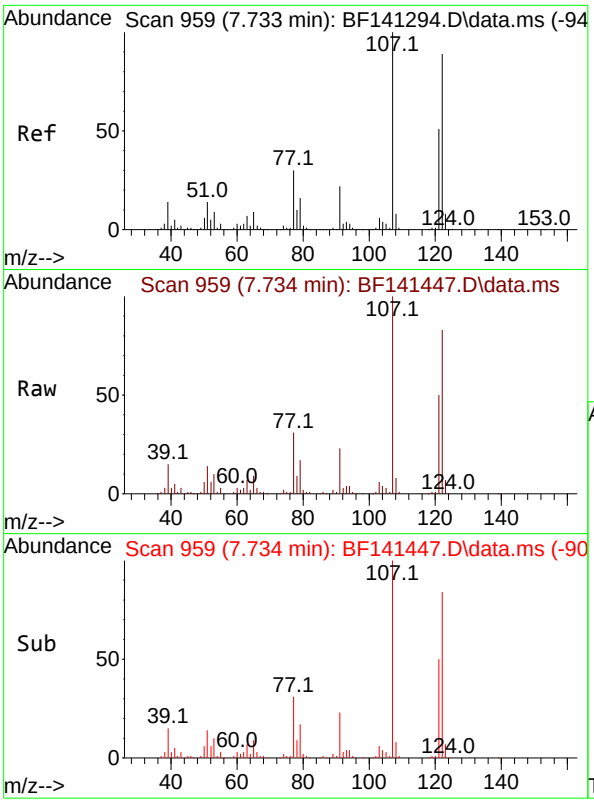


#26
2-Nitrophenol
Concen: 41.507 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:139 Resp: 120266

Ion	Ratio	Lower	Upper
139	100		
109	34.7	23.8	35.6
65	54.5	42.2	63.4

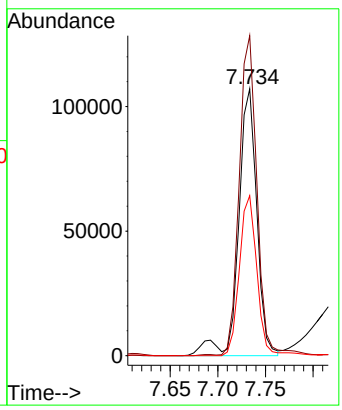




#27
2,4-Dimethylphenol
Concen: 38.815 ng m
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:122 Resp: 14315

Ion	Ratio	Lower	Upper
122	100		
107	119.9	89.9	134.9
121	60.0	46.1	69.1



Instrument :
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ClientSampleId :
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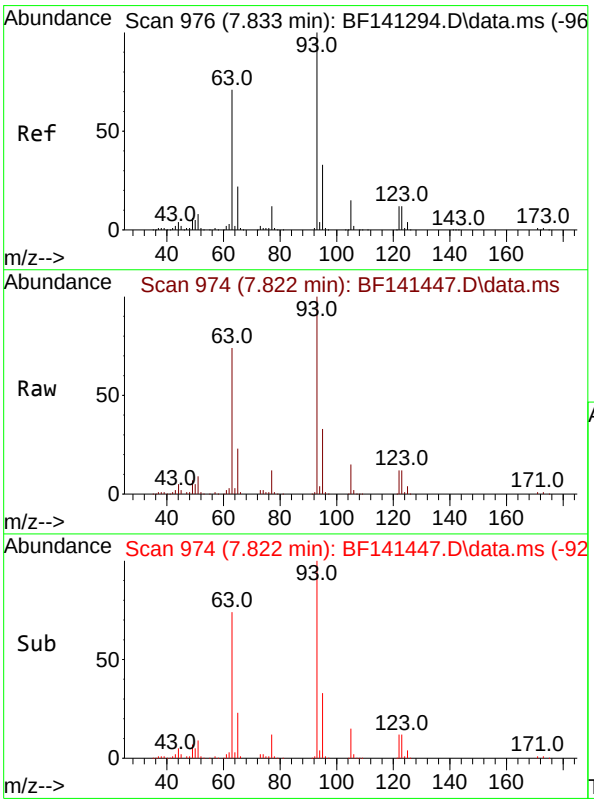
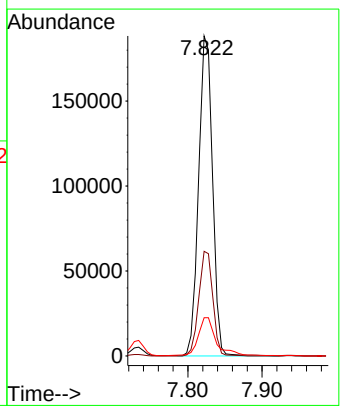
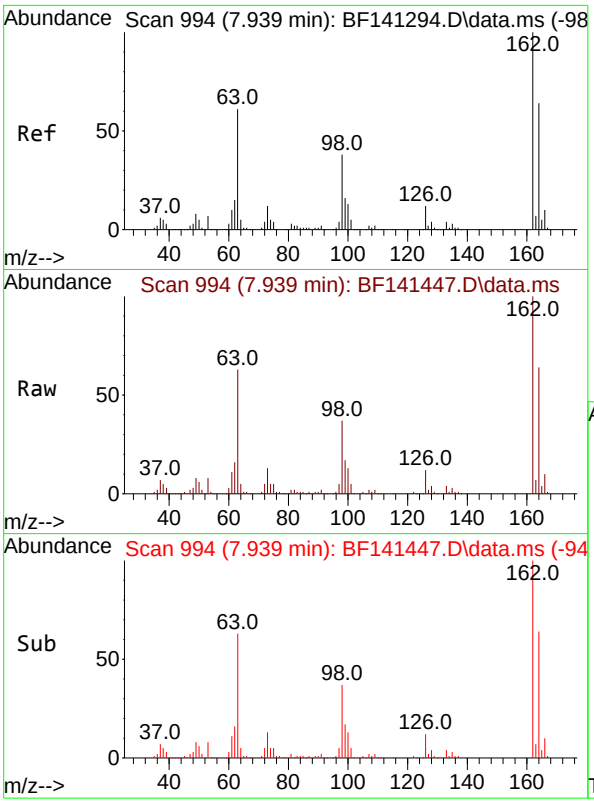


#28
bis(2-Chloroethoxy)methane
Concen: 37.637 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 93 Resp: 246023

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	12.0	10.2	15.4

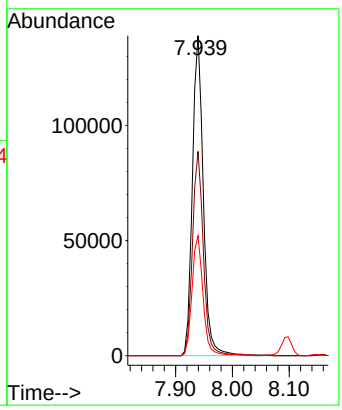




#29
2,4-Dichlorophenol
Concen: 41.356 ng
RT: 7.939 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:162 Resp: 18672

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	37.5	18.2	58.2



Instrument :
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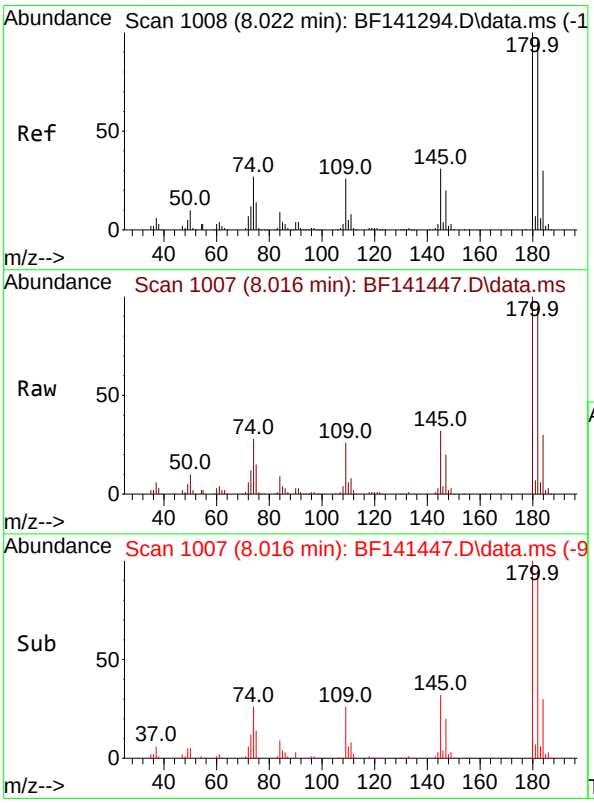
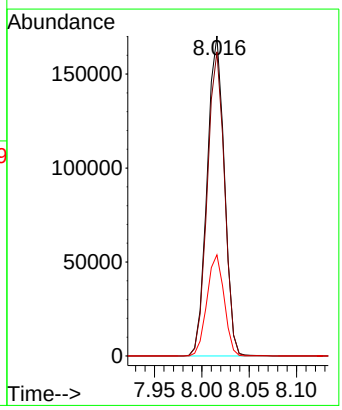
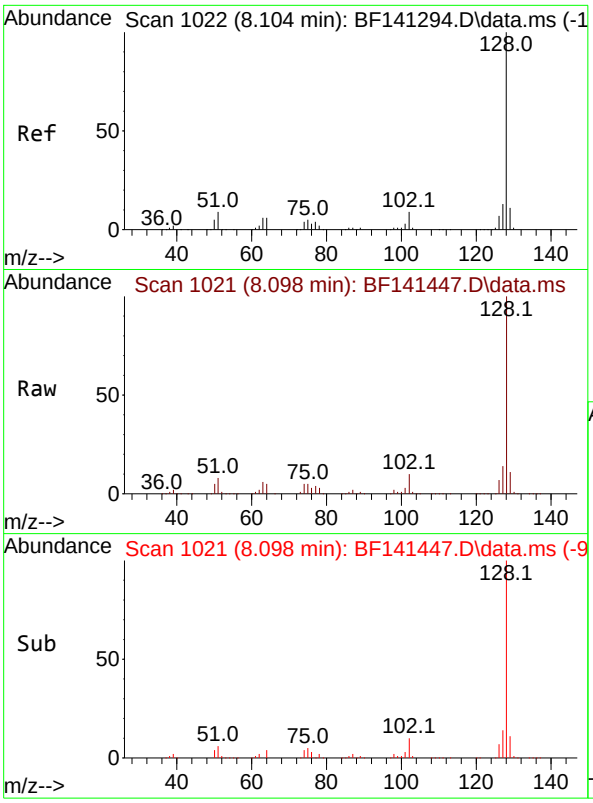


#30
1,2,4-Trichlorobenzene
Concen: 41.662 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:180 Resp: 214815

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.4	114.6
145	31.6	24.9	37.3

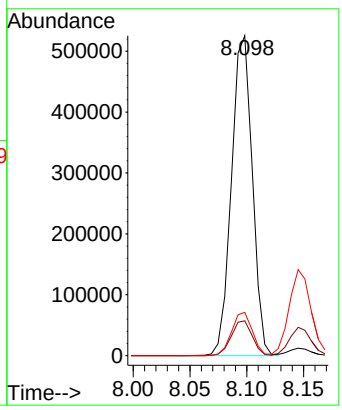




#31
Naphthalene
Concen: 40.542 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:128 Resp: 66935

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.6	10.6	15.8



Instrument :
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ClientSampleId :
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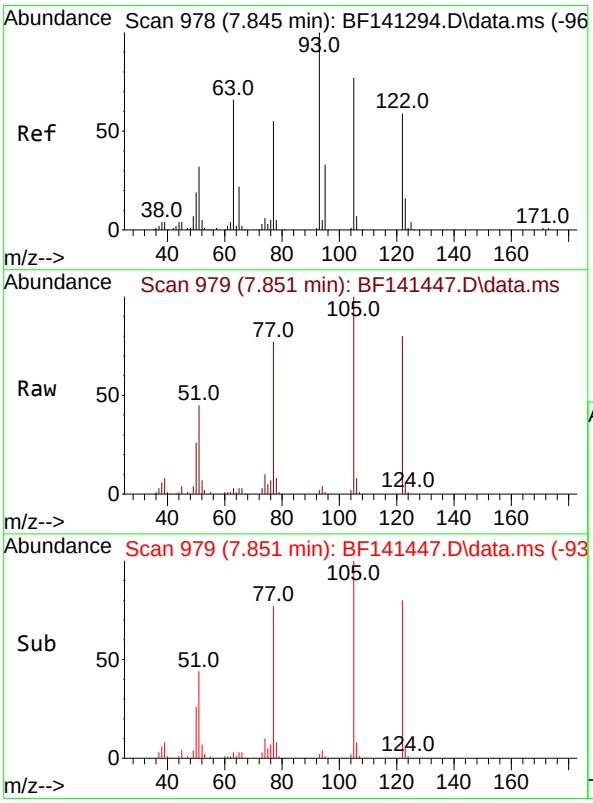
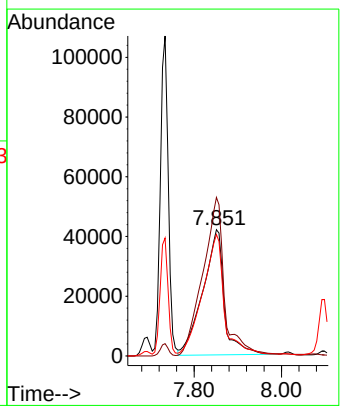
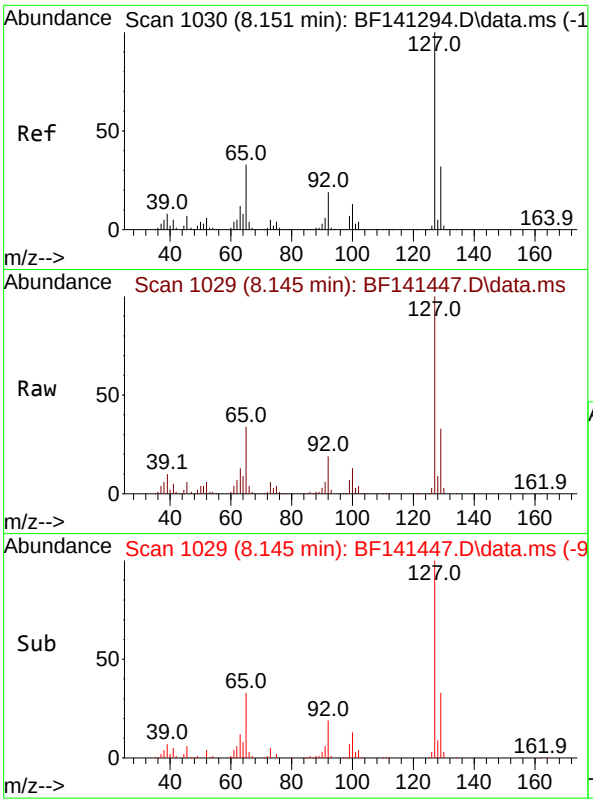


#32
Benzoic acid
Concen: 42.178 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.030 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:122 Resp: 142996

Ion	Ratio	Lower	Upper
122	100		
105	125.7	103.4	143.4
77	96.3	70.9	110.9

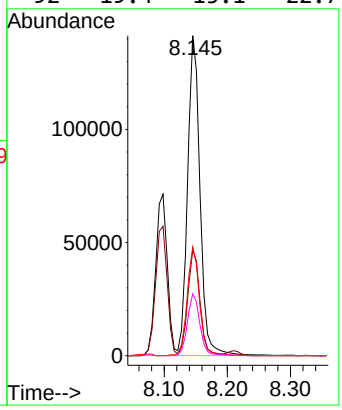




#33
4-Chloroaniline
Concen: 34.556 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:127 Resp: 19346

Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.7	38.5
65	34.0	26.4	39.6
92	19.4	15.1	22.7



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ClientSampleId :
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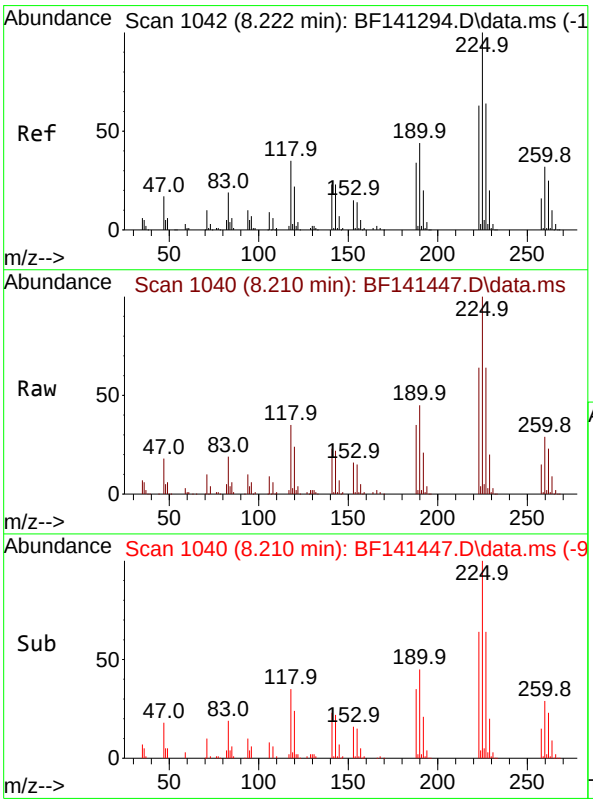
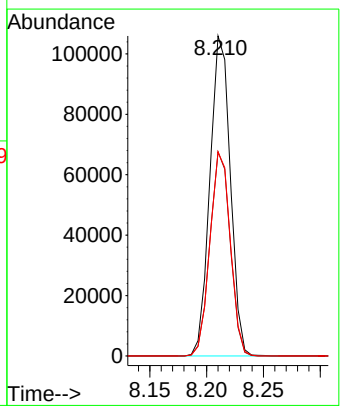
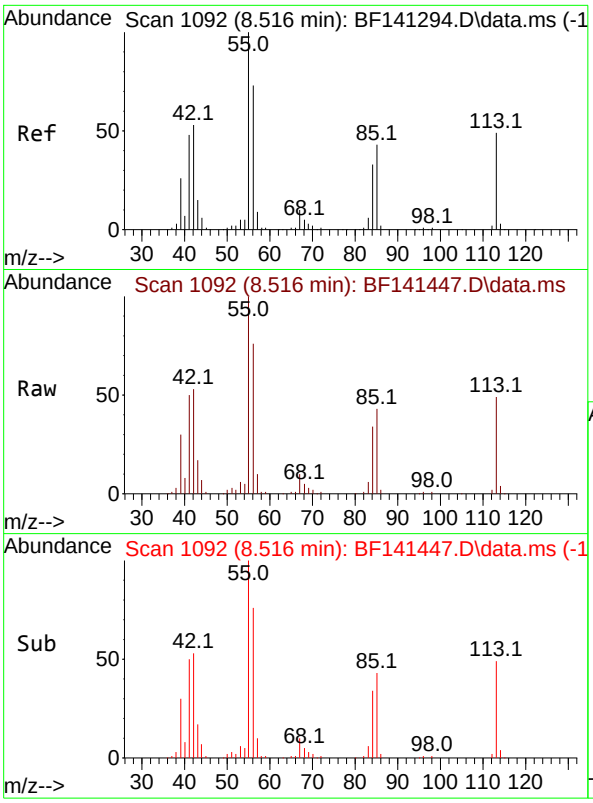


#34
Hexachlorobutadiene
Concen: 43.752 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:225 Resp: 132295

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.4	75.6
227	63.7	51.3	76.9

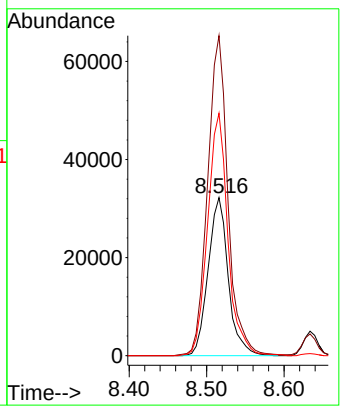




#35
Caprolactam
Concen: 39.508 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:113 Resp: 5825

Ion	Ratio	Lower	Upper
113	100		
55	202.4	182.9	222.9
56	153.3	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
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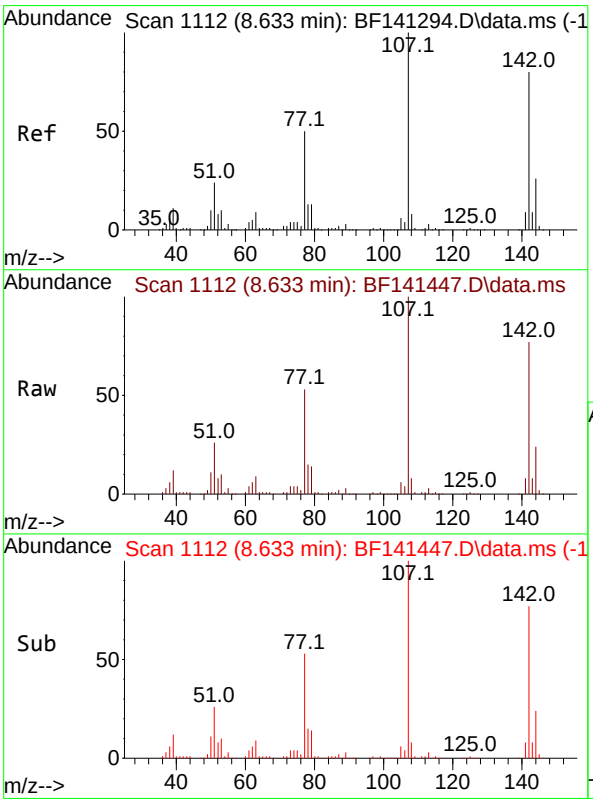
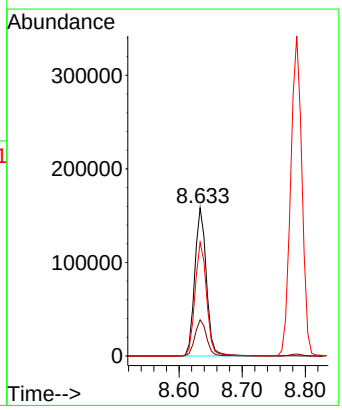
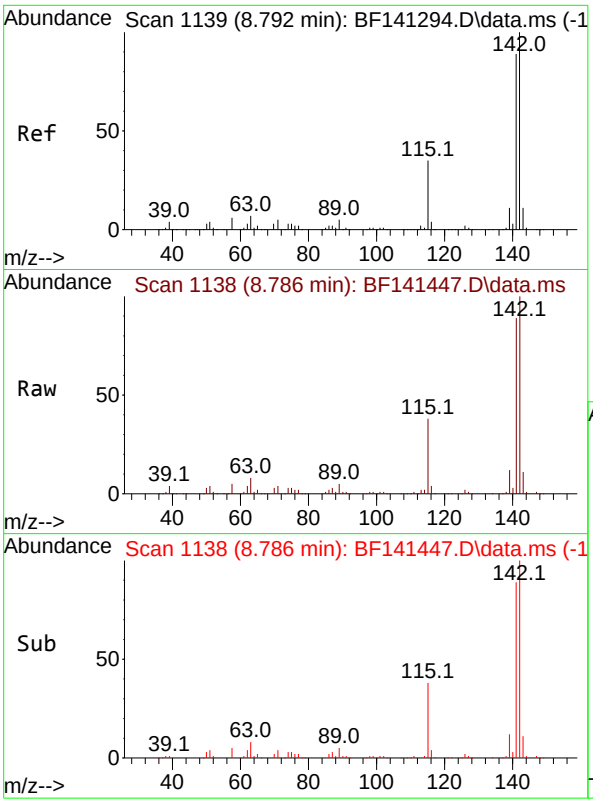


#36
4-Chloro-3-methylphenol
Concen: 41.835 ng
RT: 8.633 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:107 Resp: 202603

Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.7	31.1
142	76.6	63.8	95.8

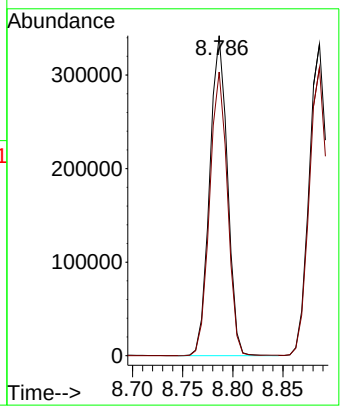




#37
2-Methylnaphthalene
Concen: 40.313 ng
RT: 8.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:142 Resp: 42302

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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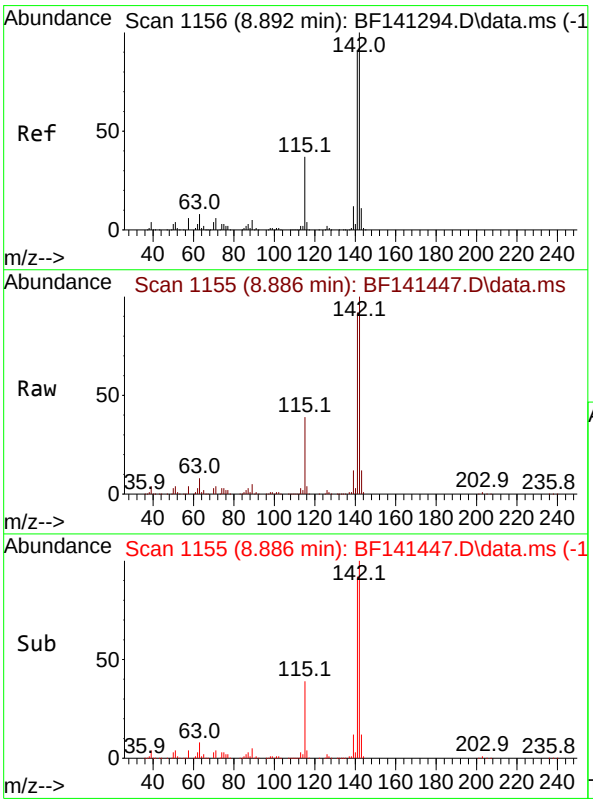
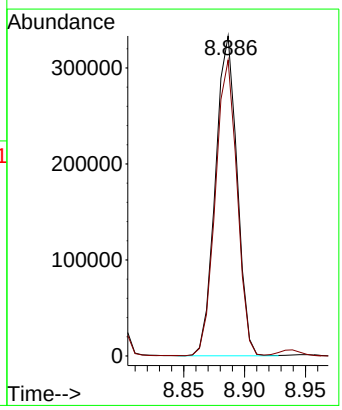
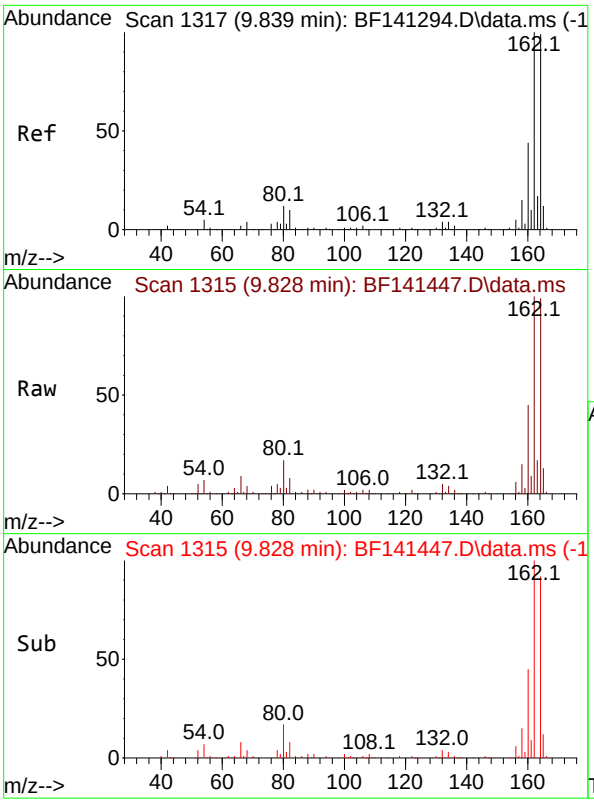


#38
1-Methylnaphthalene
Concen: 40.101 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:142 Resp: 413353

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.2	109.8

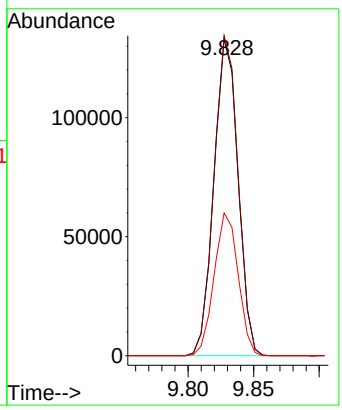




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:164 Resp: 16923

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	45.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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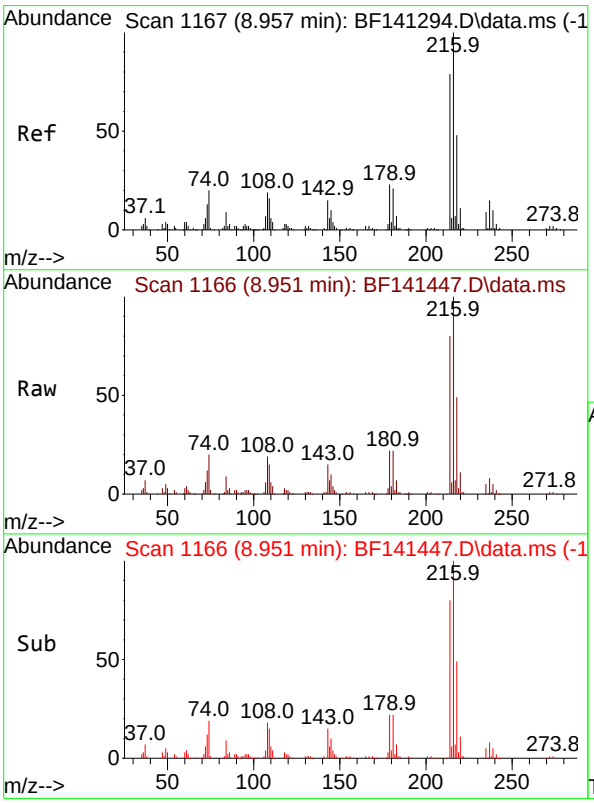
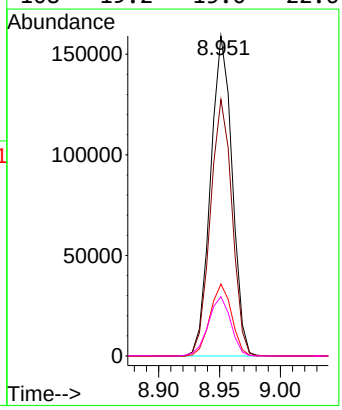
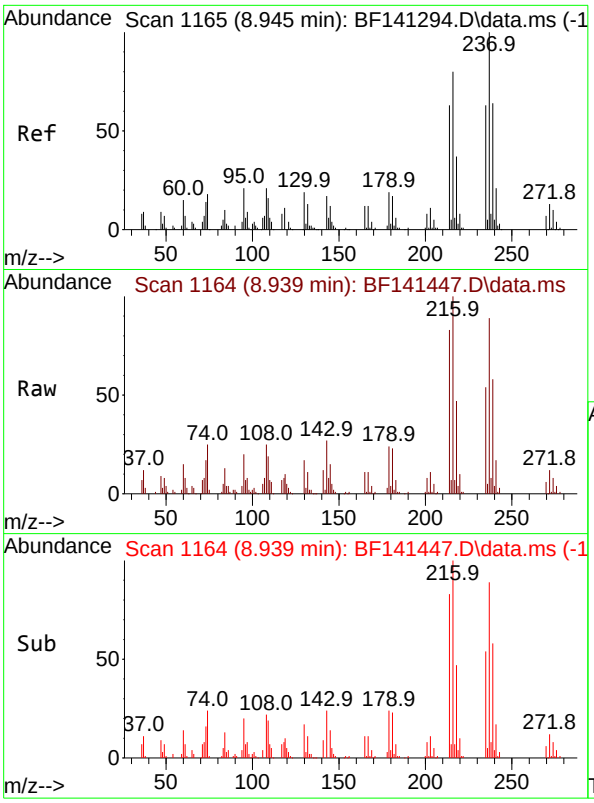


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.790 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:216 Resp: 196378

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.2	94.8
179	22.5	17.8	26.8
108	19.2	15.0	22.6

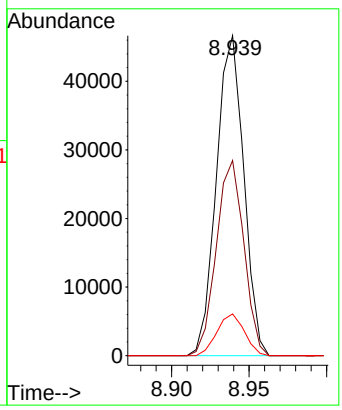




#41
Hexachlorocyclopentadiene
Concen: 40.311 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:237 Resp: 5731

Ion	Ratio	Lower	Upper
237	100		
235	61.0	42.9	82.9
272	13.0	0.0	32.8



Instrument :
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ClientSampleId :
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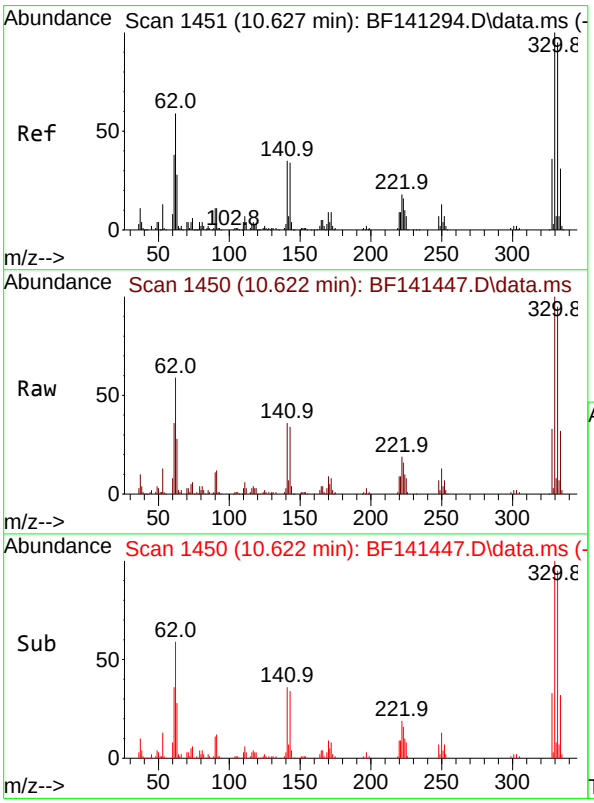
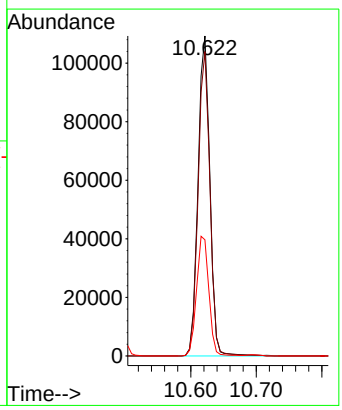
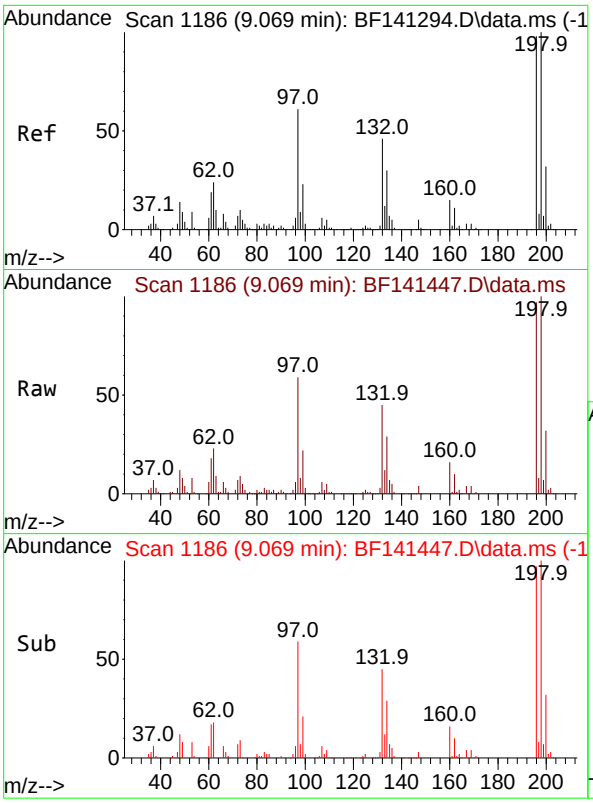


#42
2,4,6-Tribromophenol
Concen: 88.675 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:330 Resp: 137575

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.1	114.1
141	38.9	28.8	43.2

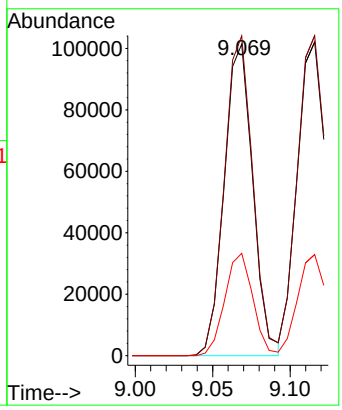




#43
2,4,6-Trichlorophenol
Concen: 41.280 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:196 Resp: 13008

Ion	Ratio	Lower	Upper
196	100		
198	102.6	81.8	122.6
200	32.8	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
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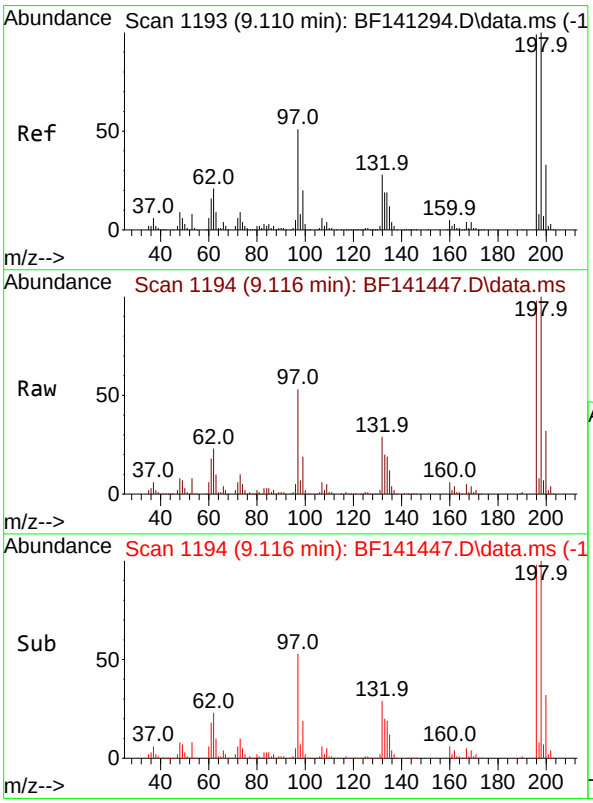
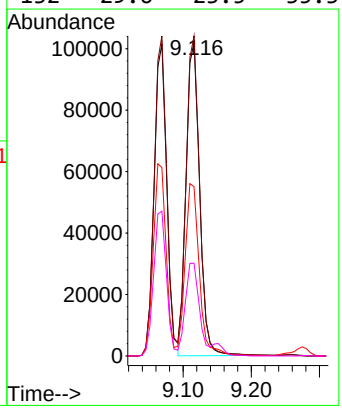
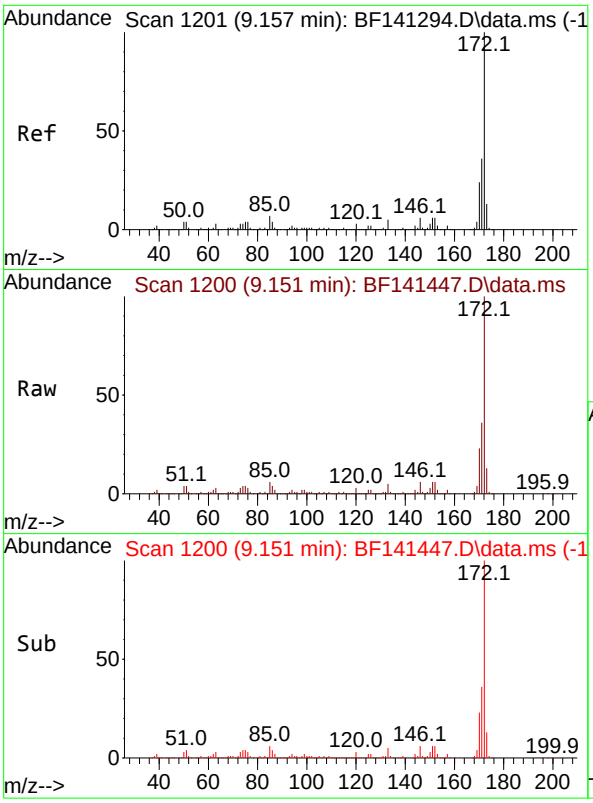


#44
2,4,5-Trichlorophenol
Concen: 40.864 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:196 Resp: 140152

Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.5	120.7
97	54.0	42.8	64.2
132	29.6	23.5	35.3

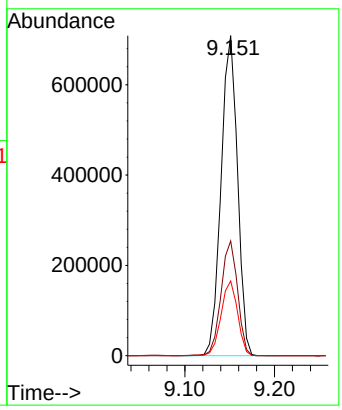




#45
2-Fluorobiphenyl
Concen: 82.031 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:172 Resp: 90190

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.4	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
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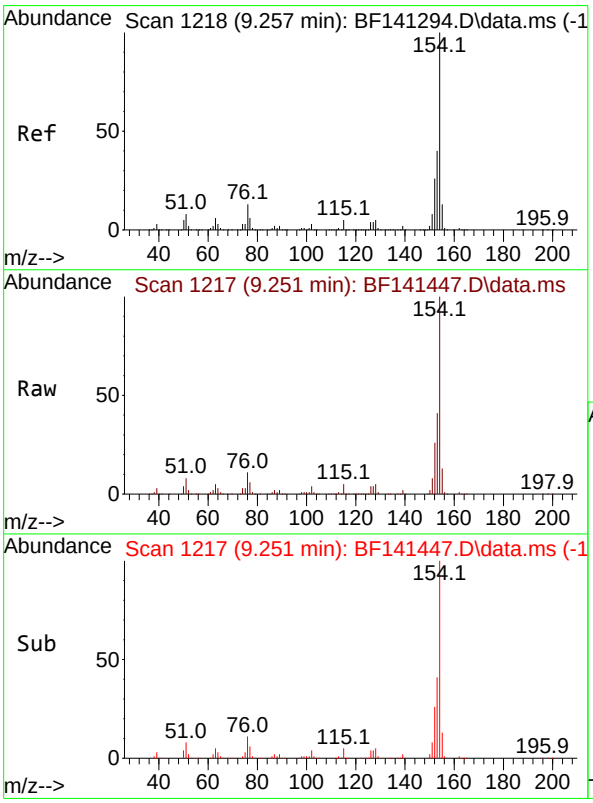
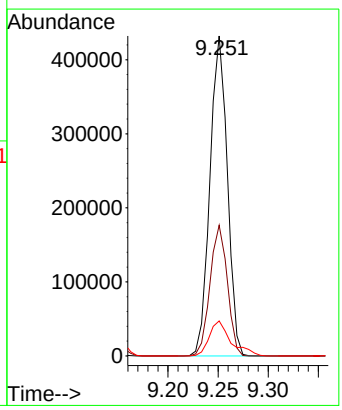
Supervised By :mohammad ahmed 02/06/2025

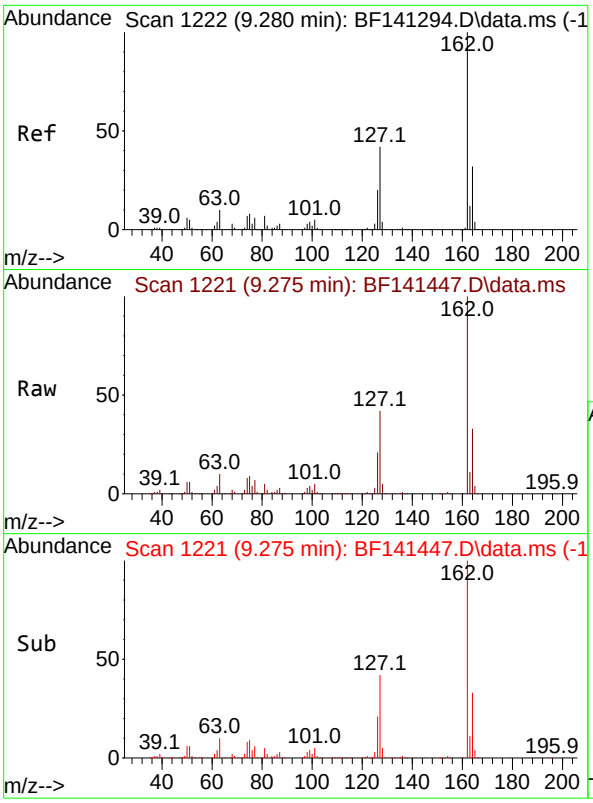


#46
1,1'-Biphenyl
Concen: 39.526 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:154 Resp: 521663

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.0	60.0
76	10.9	0.0	32.8

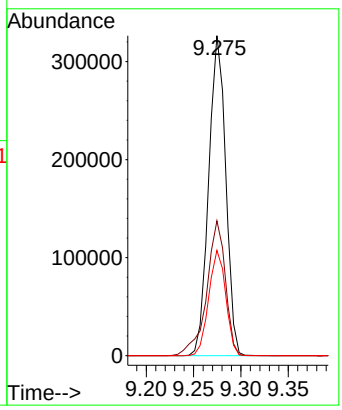




#47
2-Chloronaphthalene
Concen: 39.690 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:162 Resp: 40828

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.7	50.5
164	32.9	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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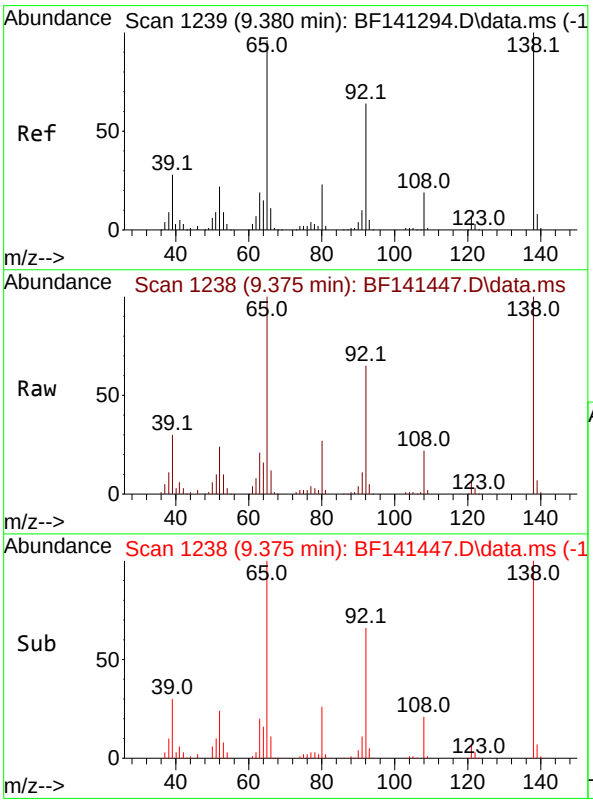
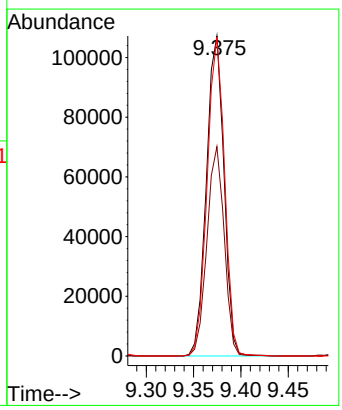
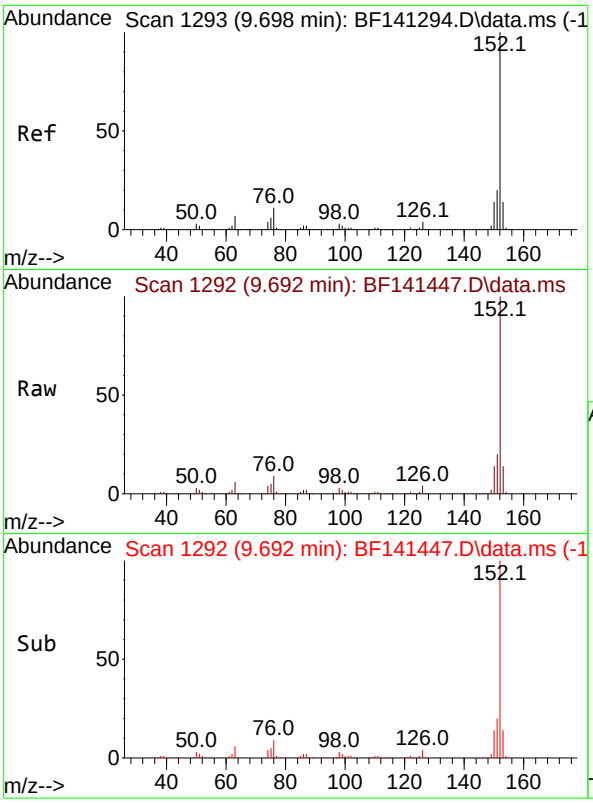


#48
2-Nitroaniline
Concen: 42.611 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 65 Resp: 137877

Ion	Ratio	Lower	Upper
65	100		
92	65.4	53.3	79.9
138	99.7	83.6	125.4

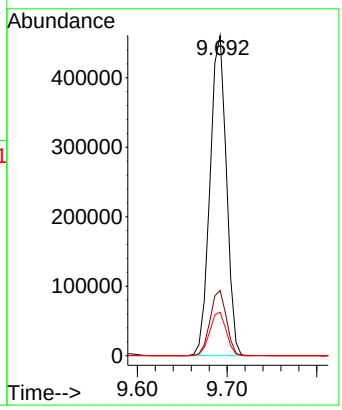




#49
Acenaphthylene
Concen: 40.477 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:152 Resp: 58286

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.6	11.0	16.6



Instrument :
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ClientSampleId :
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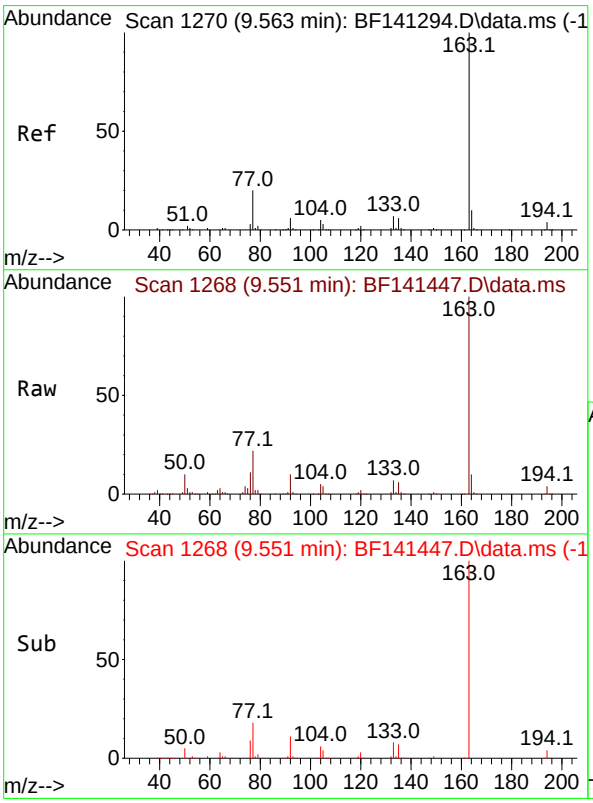
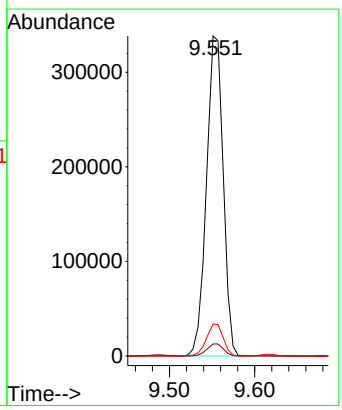
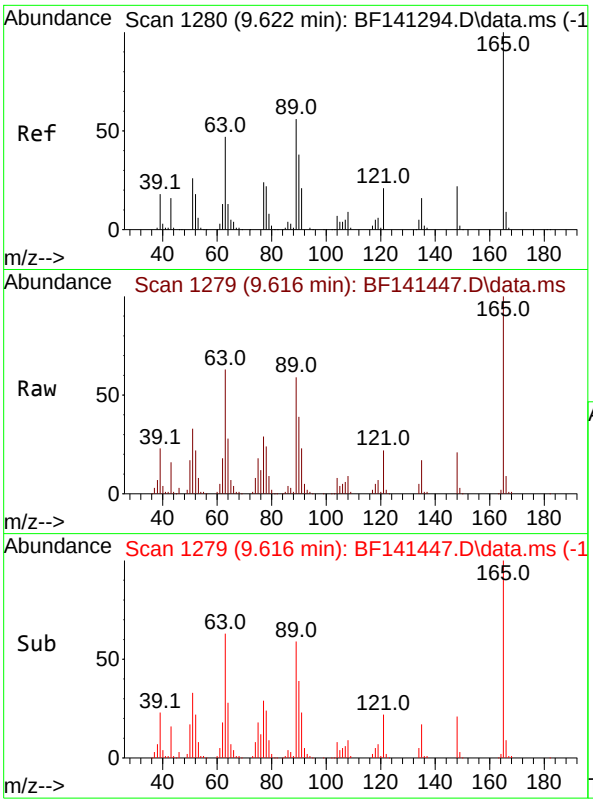


#50
Dimethylphthalate
Concen: 40.461 ng
RT: 9.551 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:163 Resp: 462460

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.0	12.0

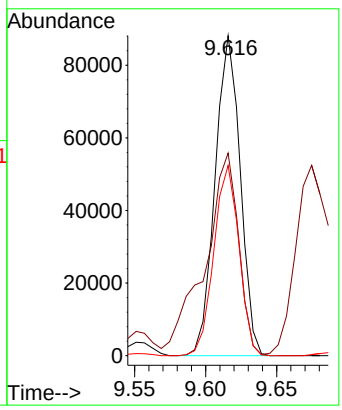




#51
2,6-Dinitrotoluene
Concen: 40.902 ng
RT: 9.616 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:165 Resp: 10854

Ion	Ratio	Lower	Upper
165	100		
63	63.3	48.1	72.1
89	59.5	44.9	67.3



Instrument :
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ClientSampleId :
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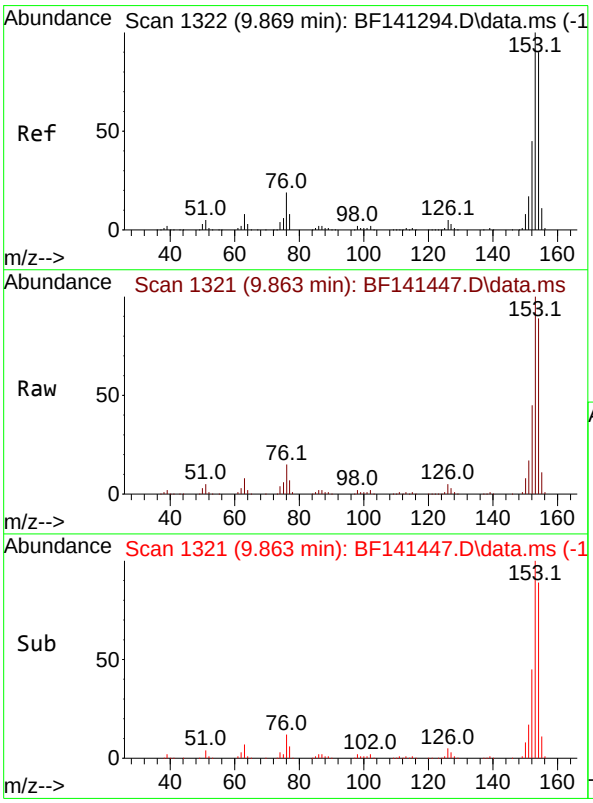
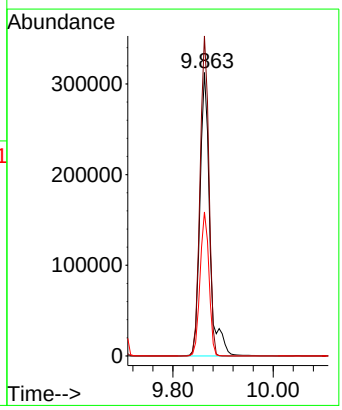
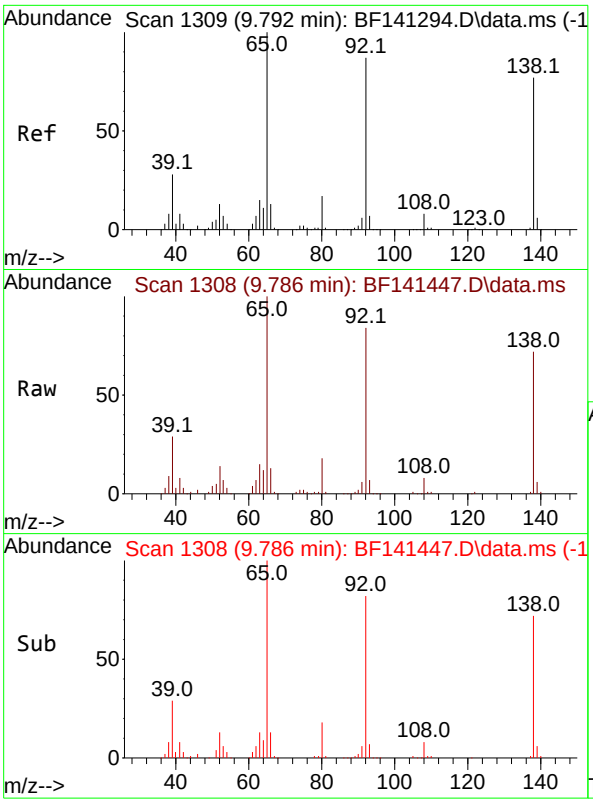


#52
Acenaphthene
Concen: 41.234 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:154 Resp: 424189

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.0	133.4
152	50.8	40.2	60.4





#53
3-Nitroaniline
Concen: 40.648 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:138 Resp: 10572

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.6	12.8
92	116.4	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
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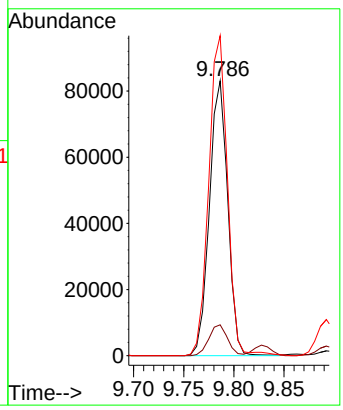
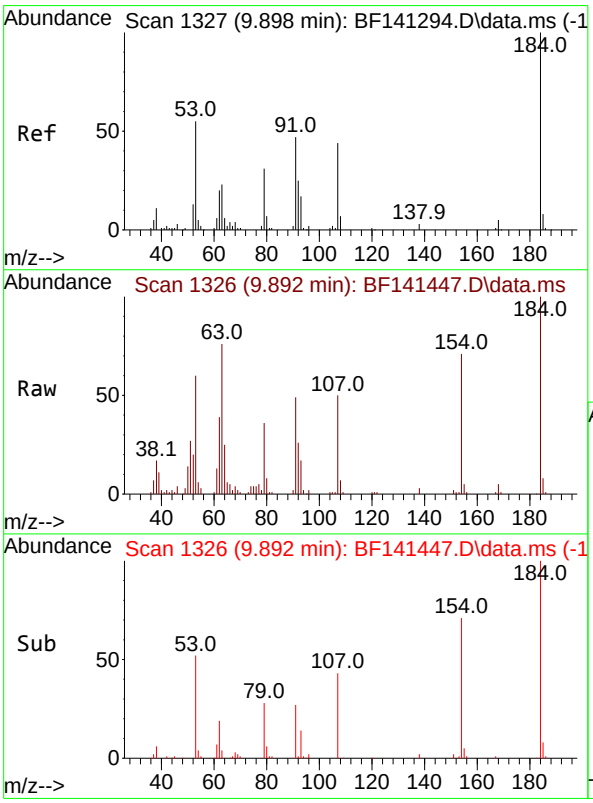
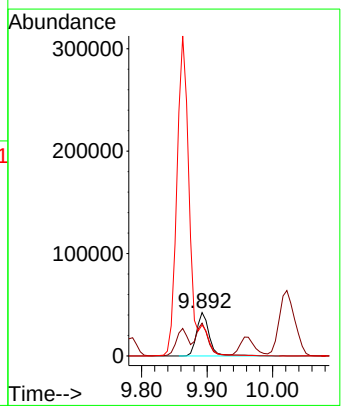


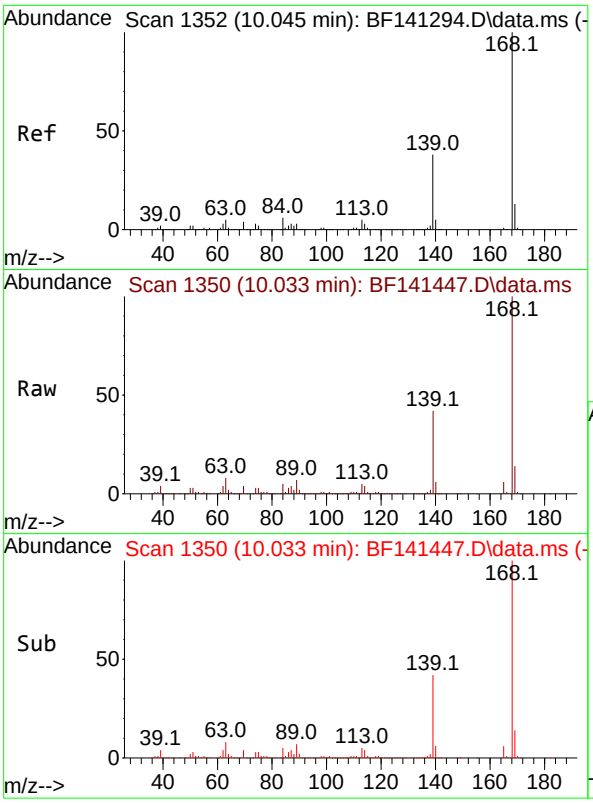


#54
2,4-Dinitrophenol
Concen: 46.121 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:184 Resp: 56897

Ion	Ratio	Lower	Upper
184	100		
63	75.9	54.1	81.1
154	71.5	50.7	76.1

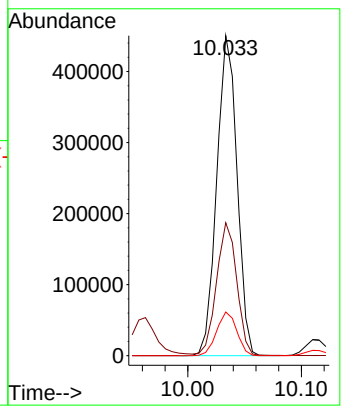




#55
Dibenzofuran
Concen: 40.604 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:168 Resp: 55912

Ion	Ratio	Lower	Upper
168	100		
139	41.5	30.6	46.0
169	13.7	10.8	16.2



Instrument :
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ClientSampleId :
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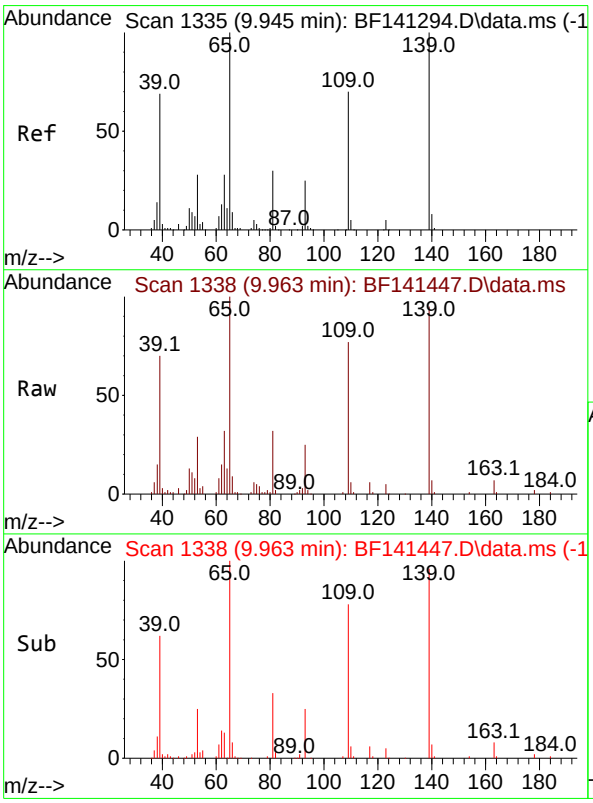
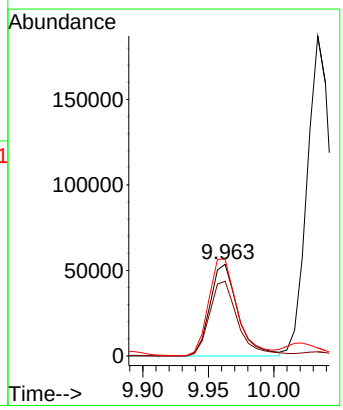
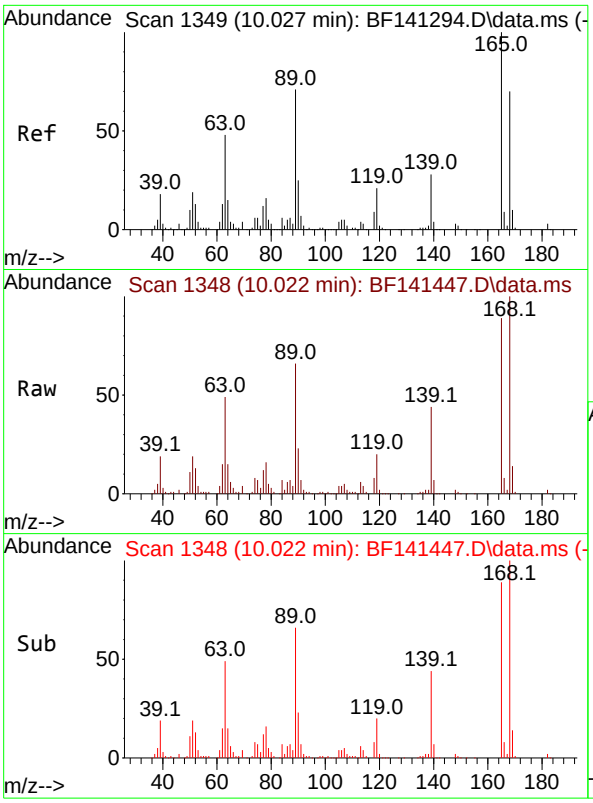


#56
4-Nitrophenol
Concen: 41.757 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:139 Resp: 79433

Ion	Ratio	Lower	Upper
139	100		
109	81.6	50.2	90.2
65	105.7	80.6	120.6

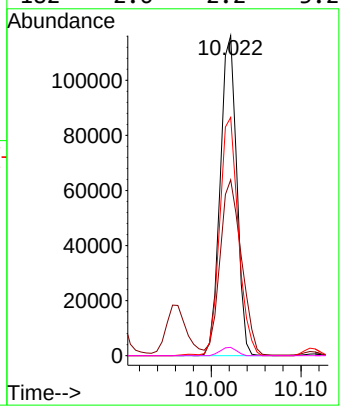




#57
2,4-Dinitrotoluene
Concen: 43.255 ng
RT: 10.022 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:165 Resp: 14862

Ion	Ratio	Lower	Upper
165	100		
63	55.0	39.2	58.8
89	74.4	56.9	85.3
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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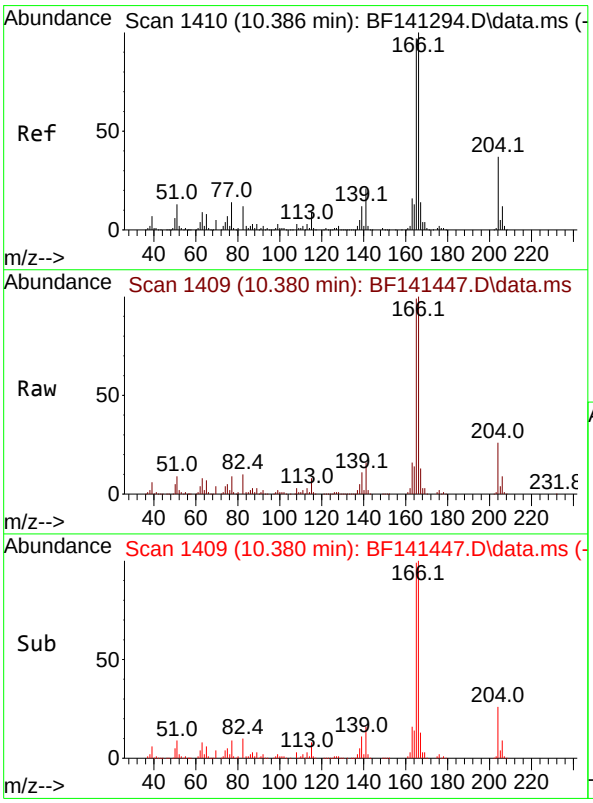
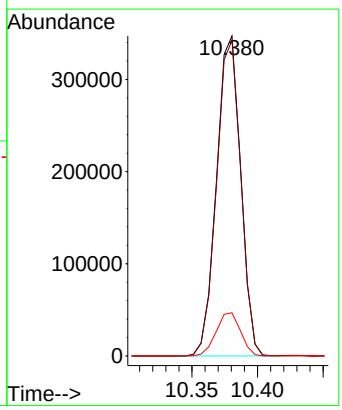
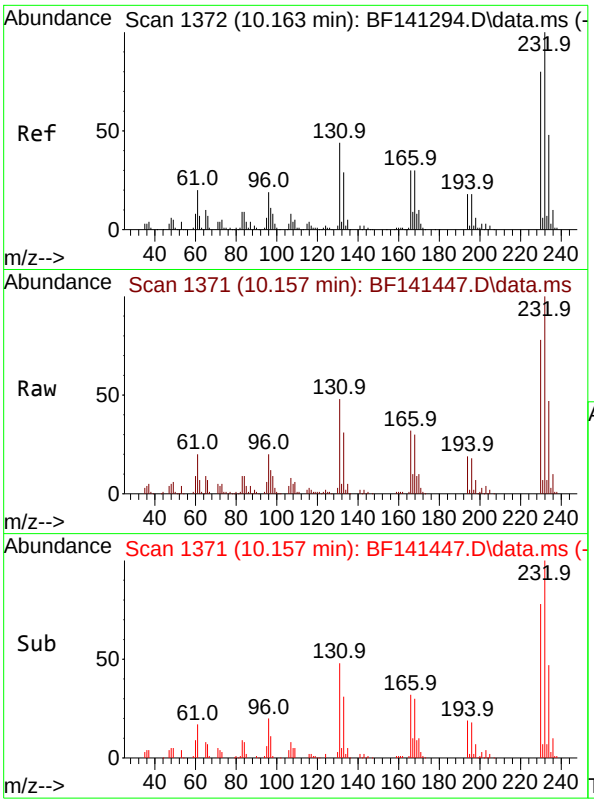


#58
Fluorene
Concen: 41.681 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:166 Resp: 445212

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.5	116.3
167	13.5	10.9	16.3

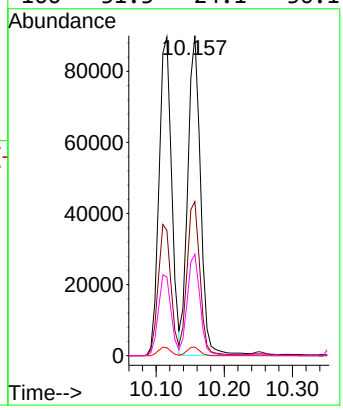




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.009 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:232 Resp: 11604

Ion	Ratio	Lower	Upper
232	100		
131	49.0	36.4	54.6
130	2.7	1.9	2.9
166	31.3	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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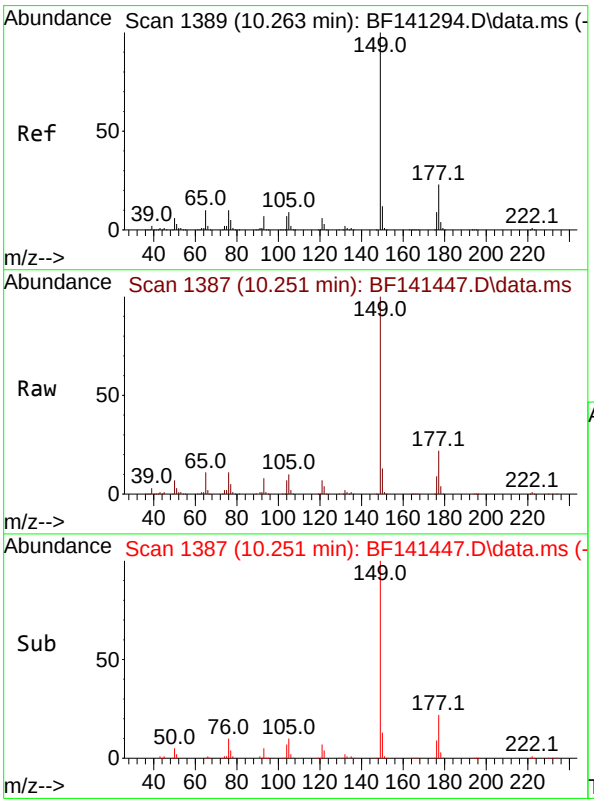
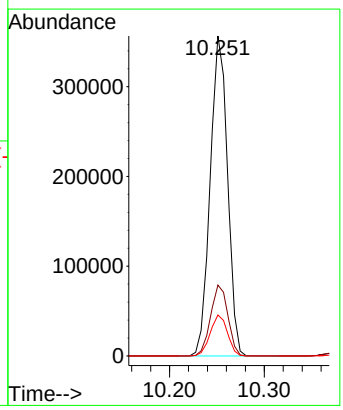
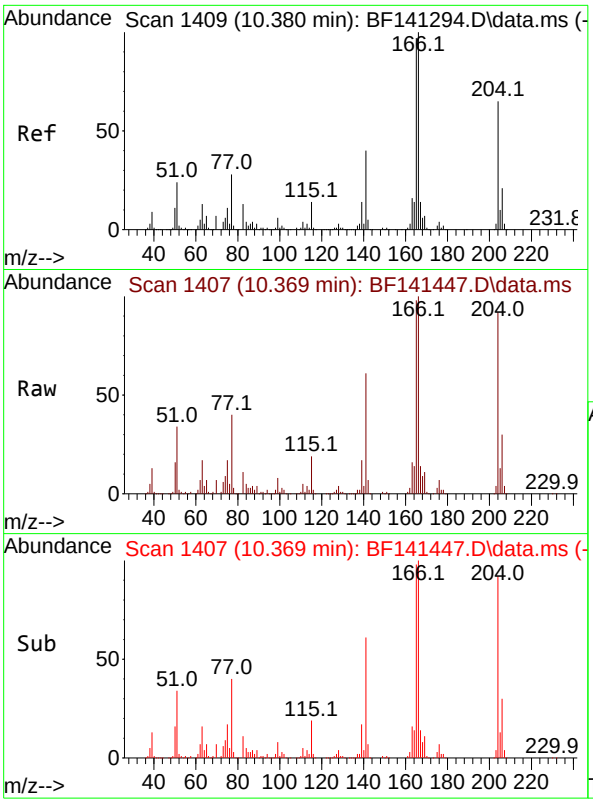


#60
Diethylphthalate
Concen: 40.767 ng
RT: 10.251 min Scan# 1387
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:149 Resp: 451800

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.5	27.7
150	12.8	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 41.942 ng
RT: 10.369 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:204 Resp: 21883

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.9	38.9
141	66.1	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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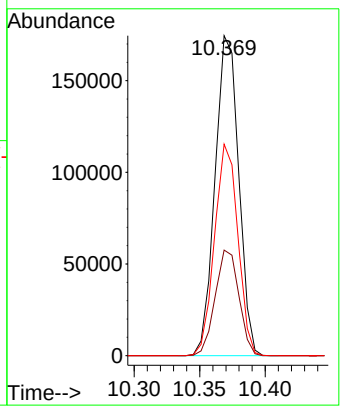
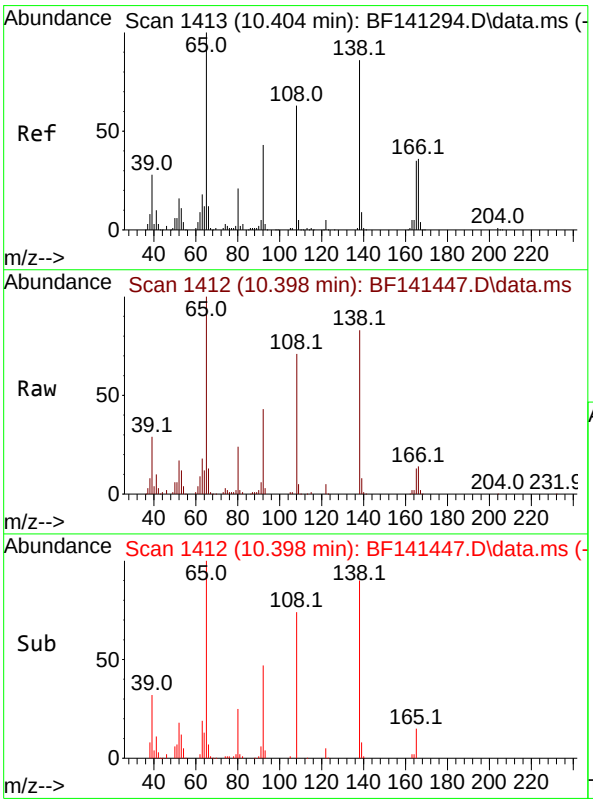
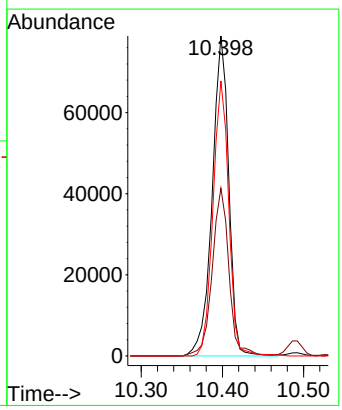


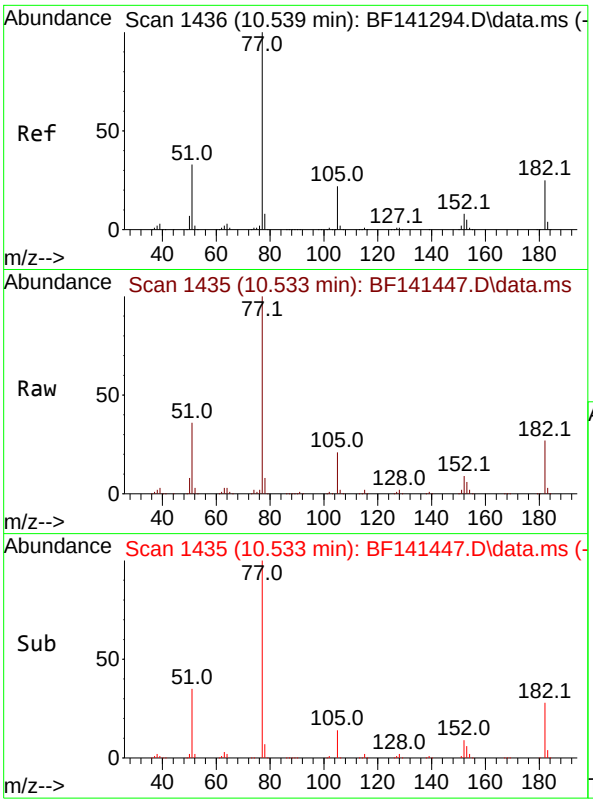


#62
4-Nitroaniline
Concen: 43.805 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:138 Resp: 112018

Ion	Ratio	Lower	Upper
138	100		
92	52.4	30.1	70.1
108	85.9	53.1	93.1

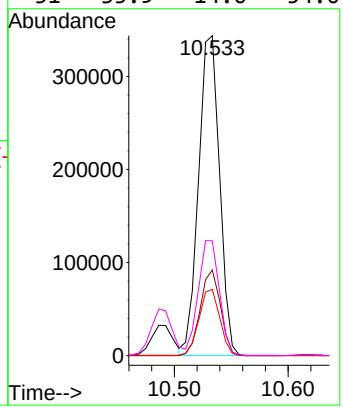




#63
Azobenzene
Concen: 39.861 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion: 77 Resp: 44218

Ion	Ratio	Lower	Upper
77	100		
182	26.8	5.1	45.1
105	20.7	1.8	41.8
51	35.9	14.0	54.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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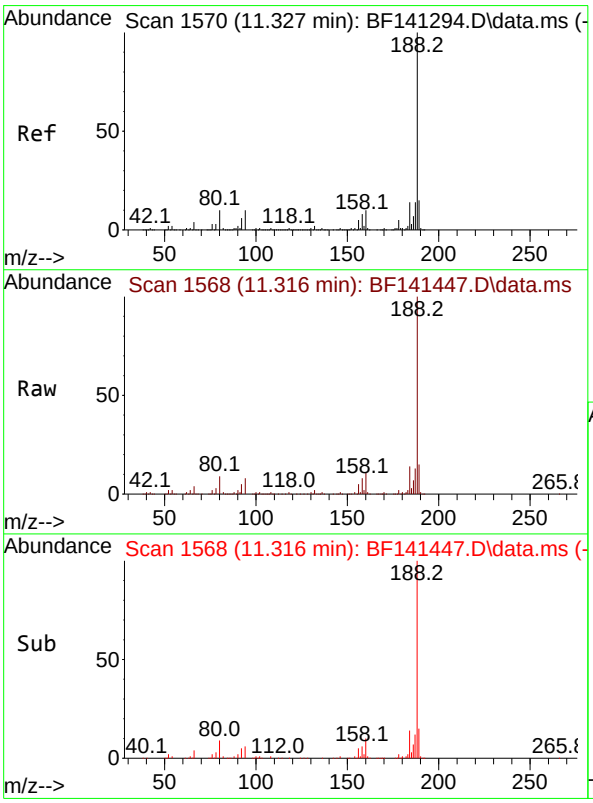
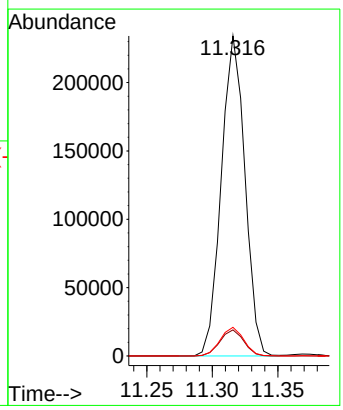
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

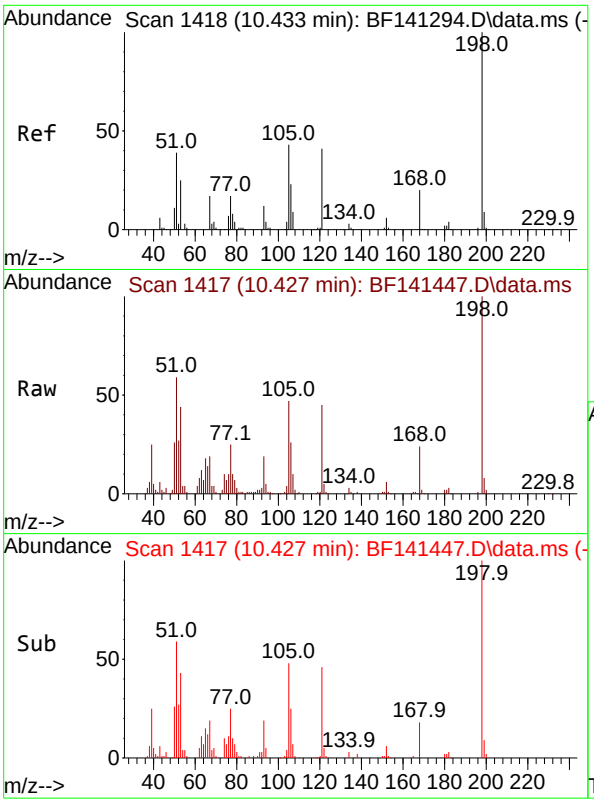


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:188 Resp: 293274

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.8	11.6
80	8.9	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.093 ng
RT: 10.427 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 8169

Ion	Ratio	Lower	Upper
198	100		
51	58.6	33.4	73.4
105	47.1	24.4	64.4

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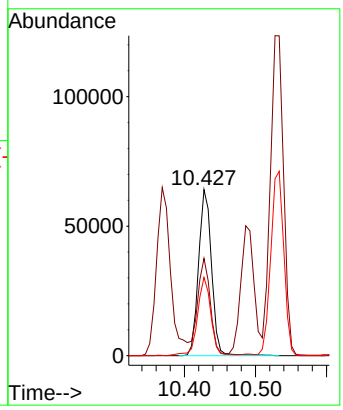
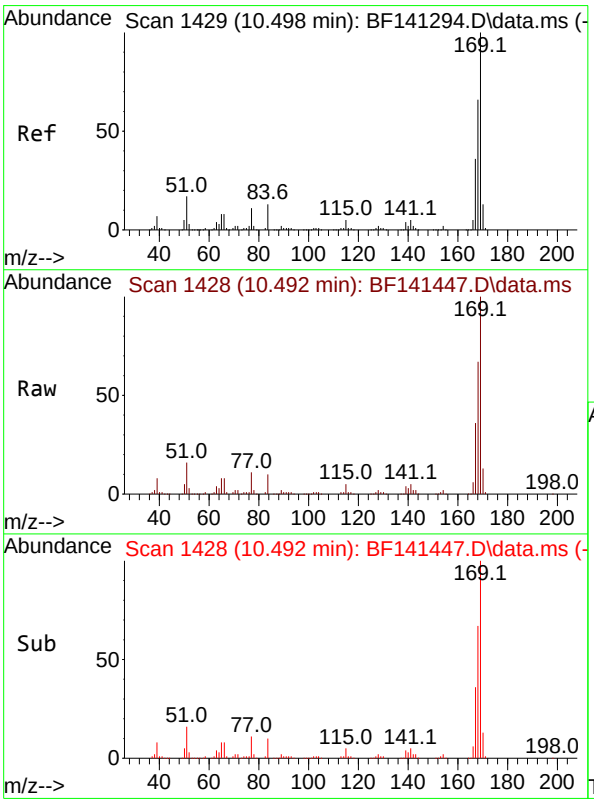
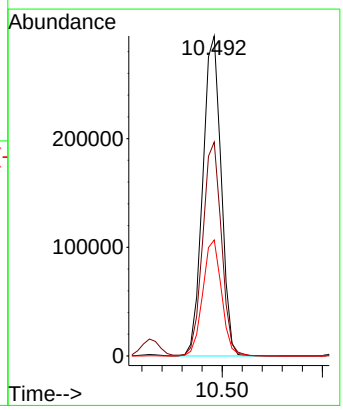


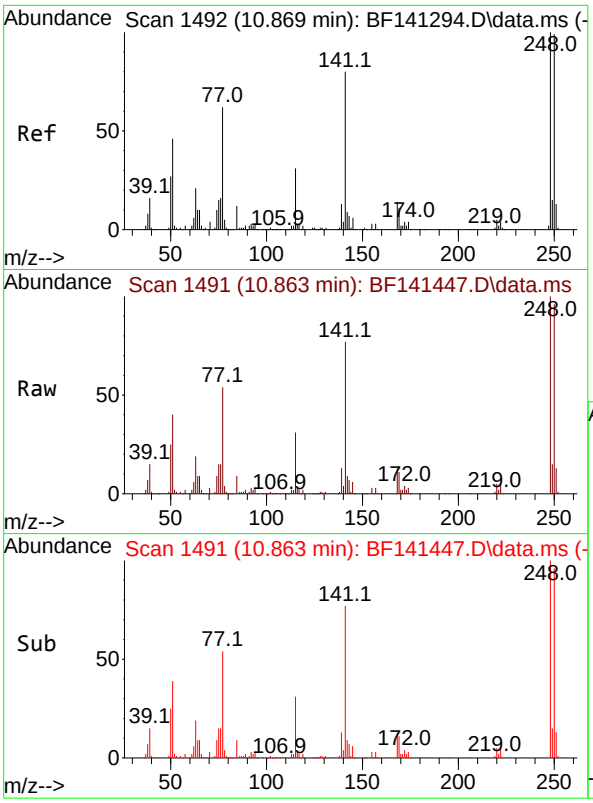


#66
n-Nitrosodiphenylamine
Concen: 39.596 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:169 Resp: 375589

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.2	28.8	43.2

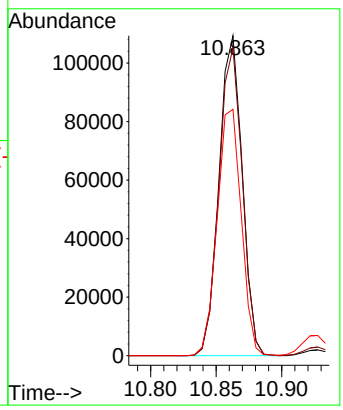




#67
4-Bromophenyl-phenylether
Concen: 41.034 ng
RT: 10.863 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:248 Resp: 13472

Ion	Ratio	Lower	Upper
248	100		
250	96.2	79.0	118.4
141	77.0	63.7	95.5



Instrument :
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ClientSampleId :
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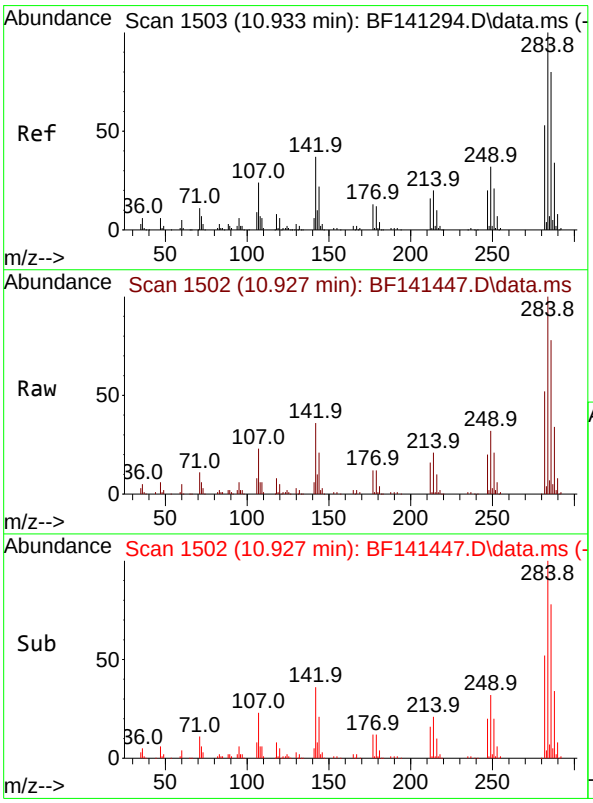
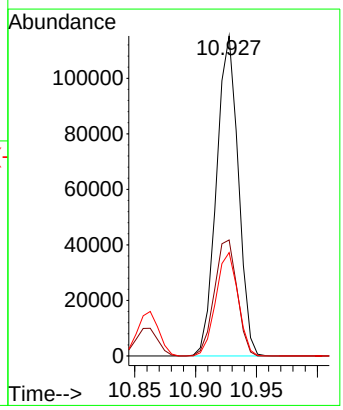
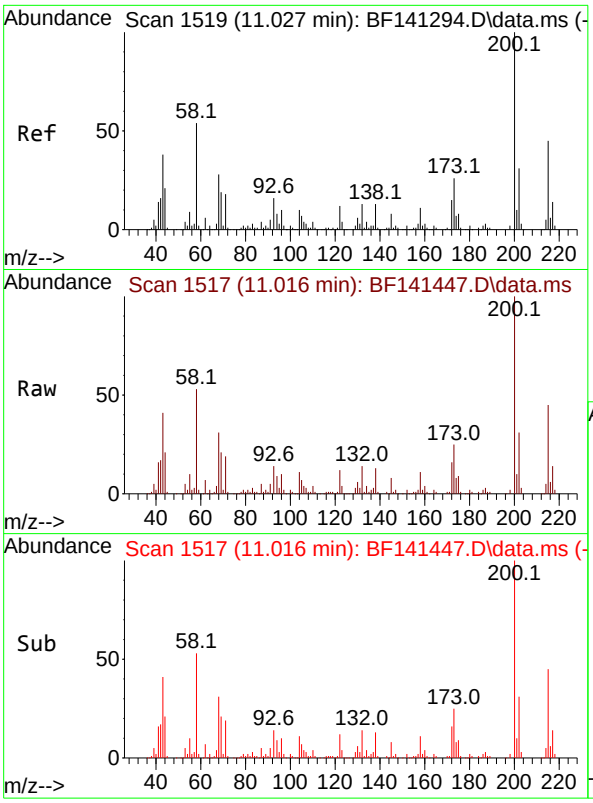


#68
Hexachlorobenzene
Concen: 41.264 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:284 Resp: 143713

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.5	44.3
249	32.3	25.4	38.2





#69
Atrazine
Concen: 37.984 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 12046

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.9	45.9
215	44.6	25.2	65.2

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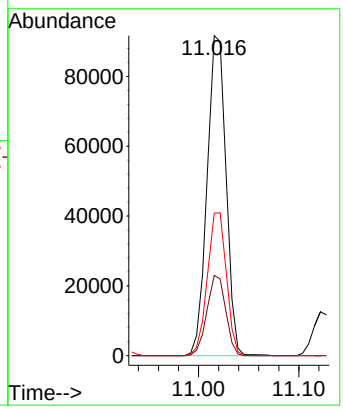
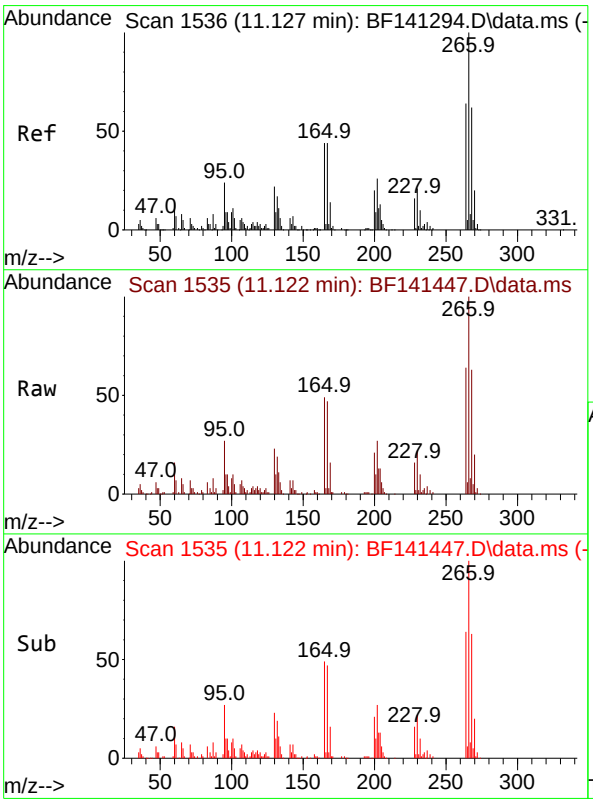
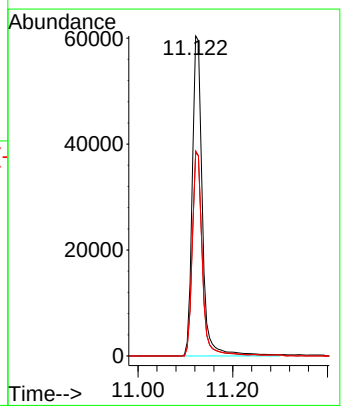


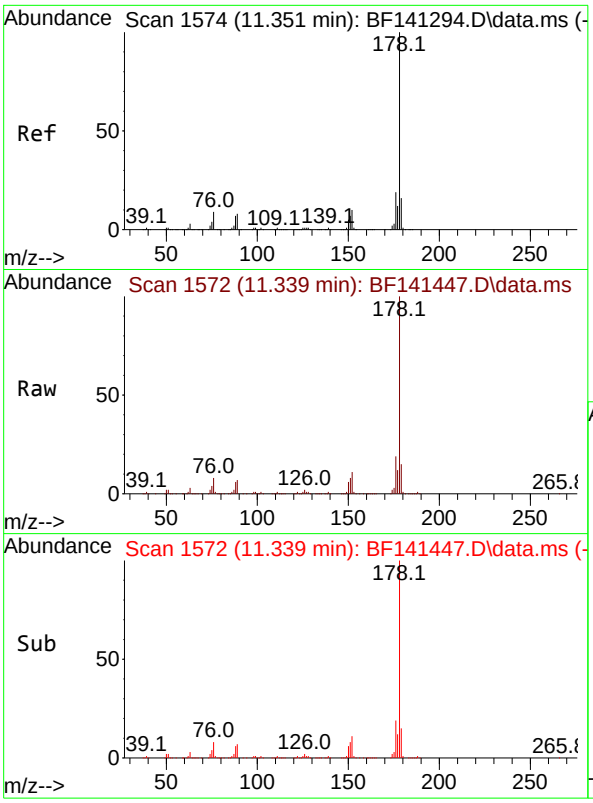


#70
Pentachlorophenol
Concen: 43.736 ng
RT: 11.122 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:266 Resp: 89197

Ion	Ratio	Lower	Upper
266	100		
268	63.5	49.9	74.9
264	64.1	51.0	76.4

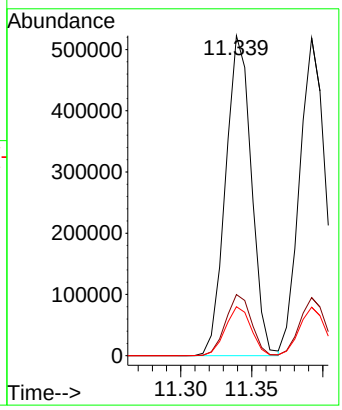




#71
Phenanthrene
Concen: 41.848 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:178 Resp: 65972

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.5	18.7



Instrument :
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ClientSampleId :
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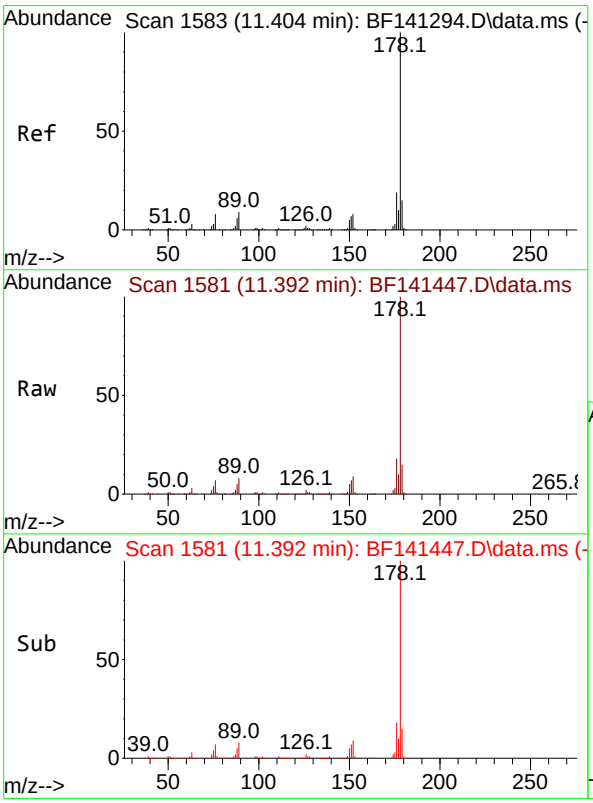
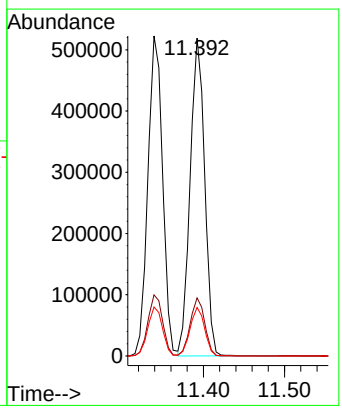
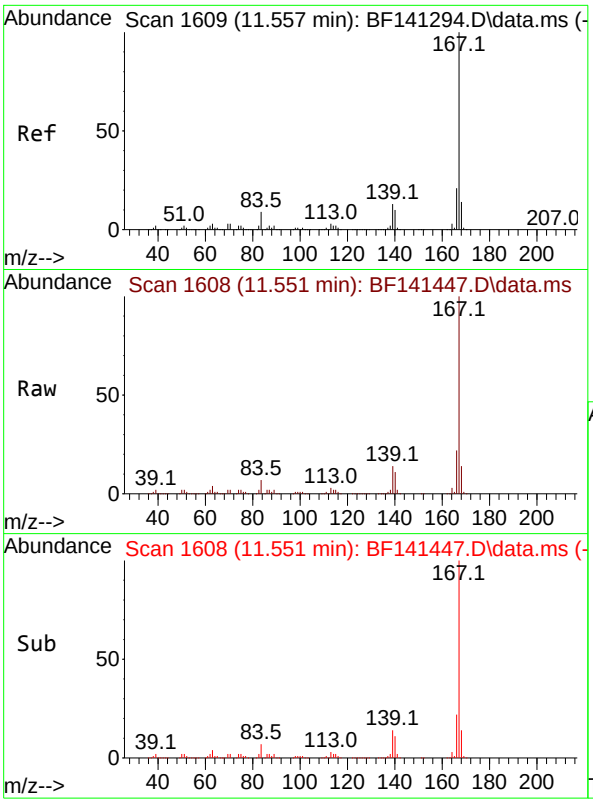


#72
Anthracene
Concen: 41.945 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:178 Resp: 647901

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.6
179	15.3	12.3	18.5

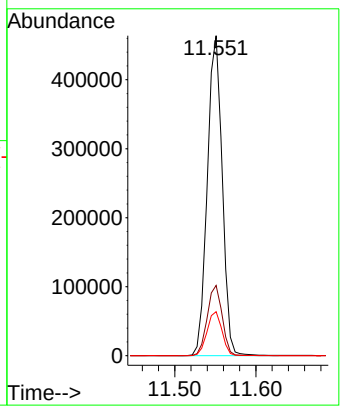




#73
Carbazole
Concen: 43.030 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:167 Resp: 58936

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.6
139	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
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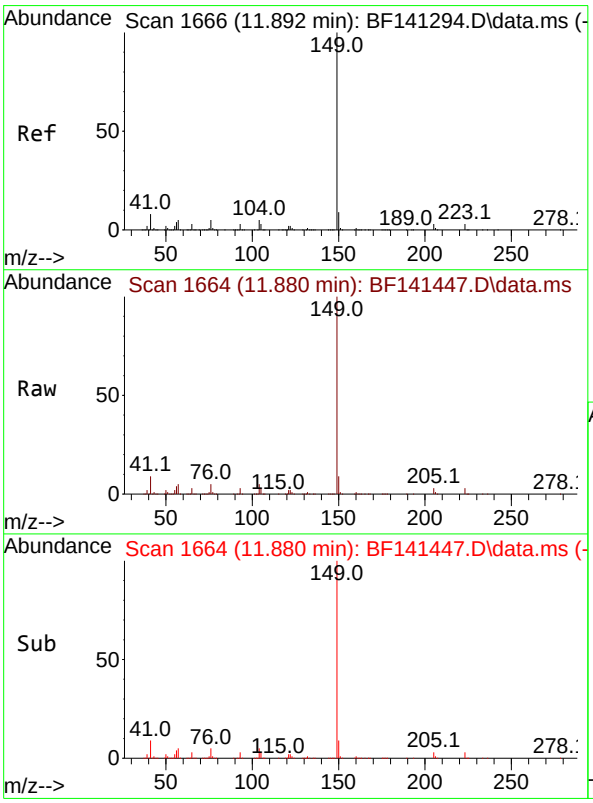
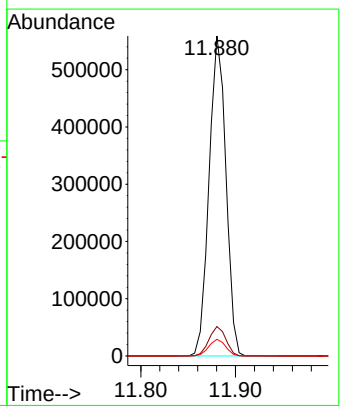
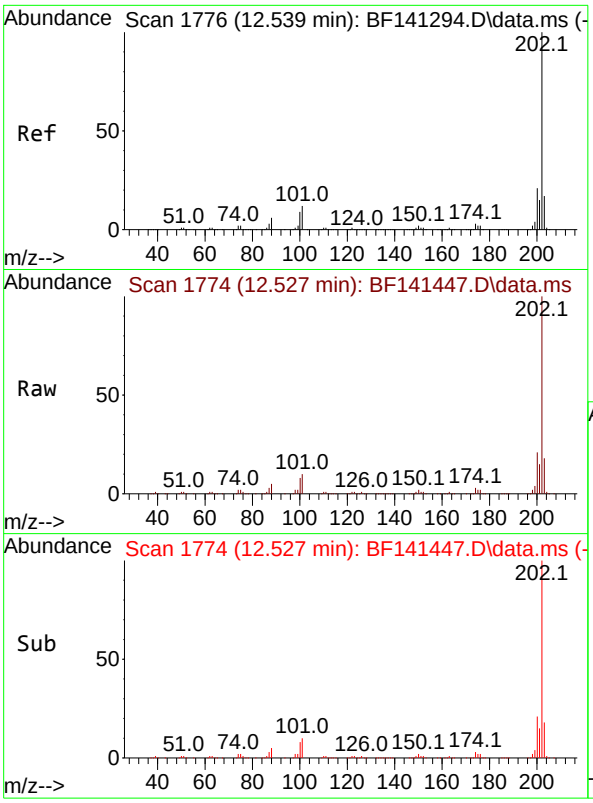


#74
Di-n-butylphthalate
Concen: 41.523 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:149 Resp: 689234

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	3.9	5.9

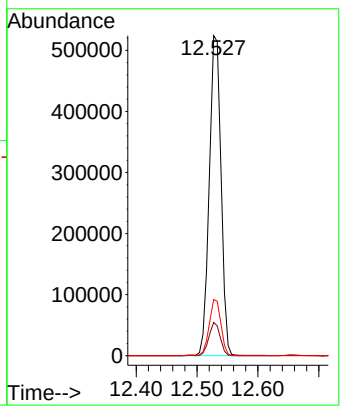




#75
Fluoranthene
Concen: 45.252 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:202 Resp: 70438

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.7
203	17.6	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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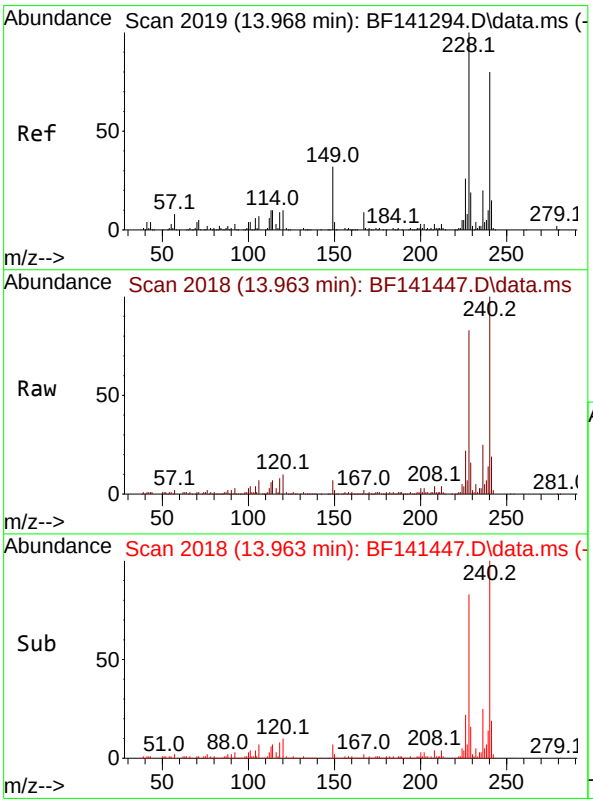
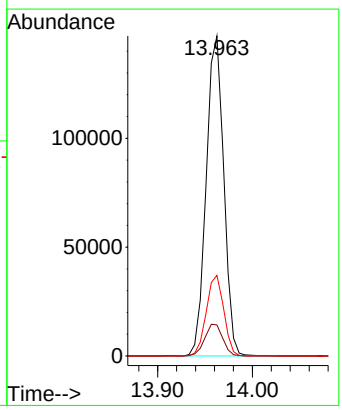
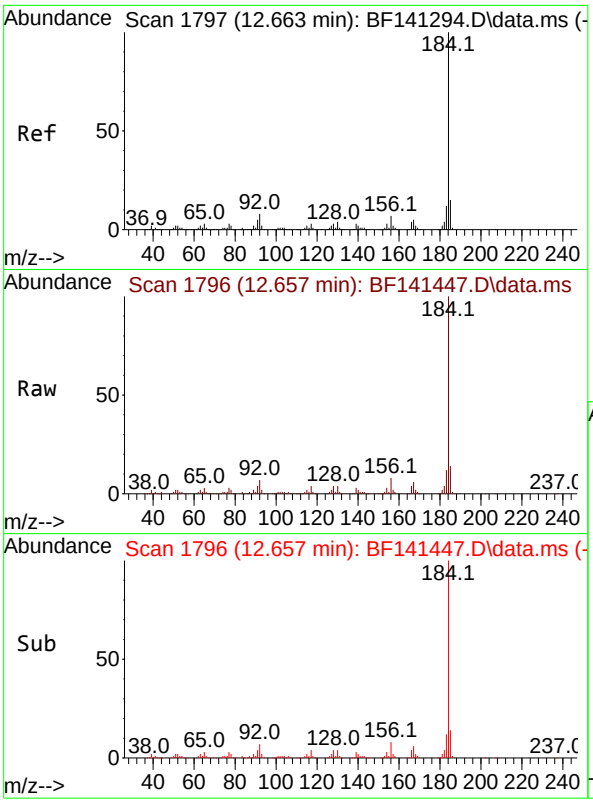


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:240 Resp: 189132

Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.0	15.0#
236	25.2	19.7	29.5

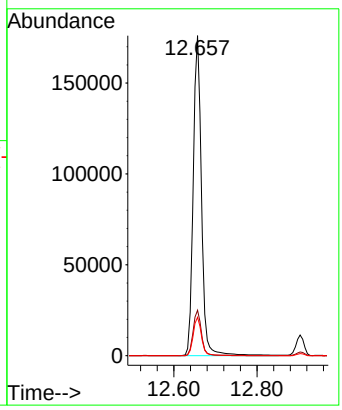




#77
Benzidine
Concen: 40.163 ng
RT: 12.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:184 Resp: 24352

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.9	17.9
183	12.0	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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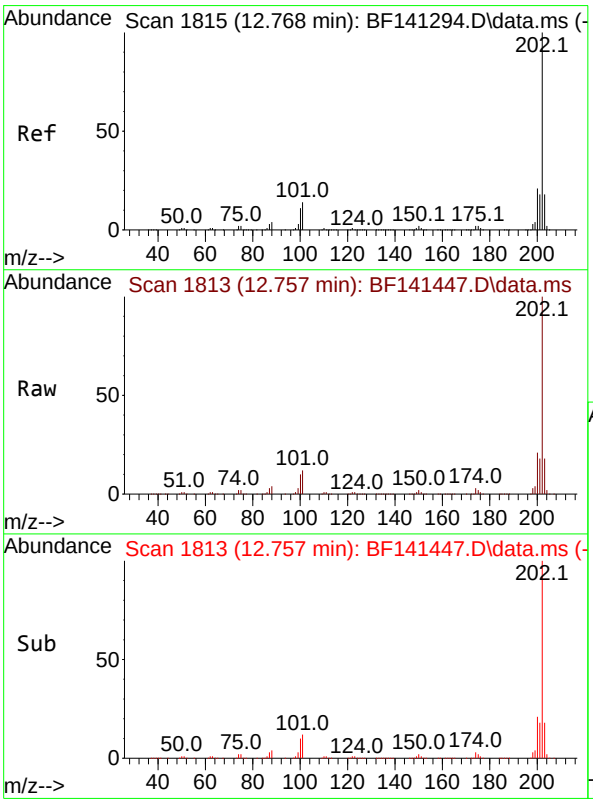
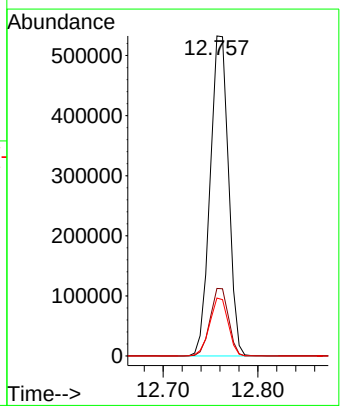
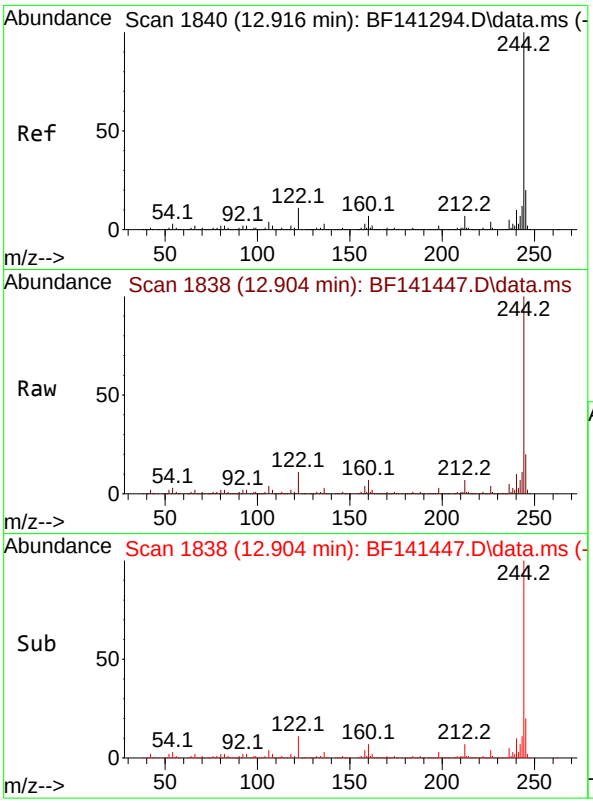


#78
Pyrene
Concen: 39.495 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:202 Resp: 717034

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.1	14.3	21.5

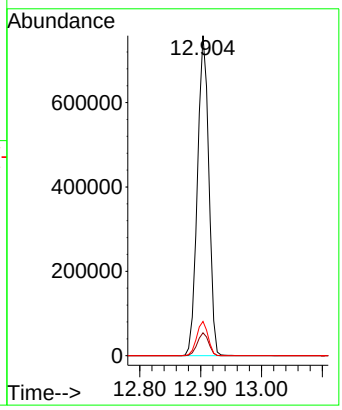




#79
Terphenyl-d14
Concen: 80.246 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:244 Resp: 98412

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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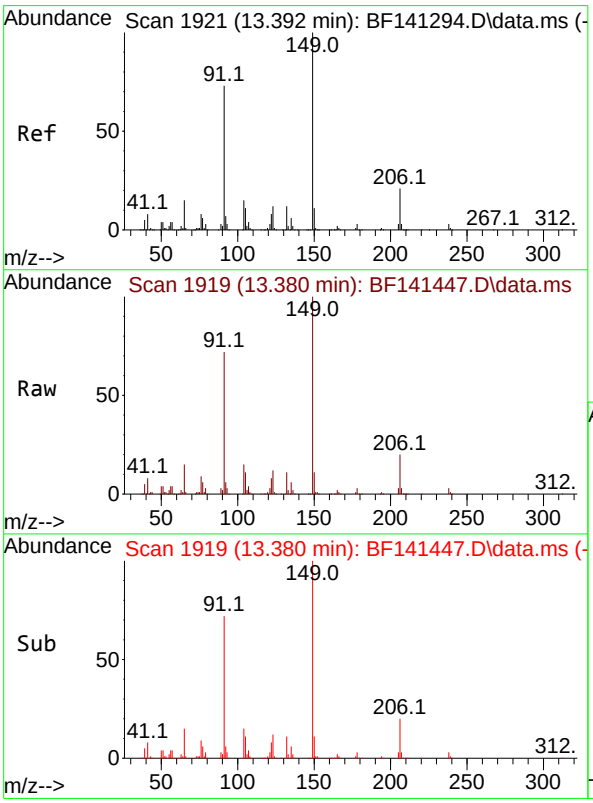
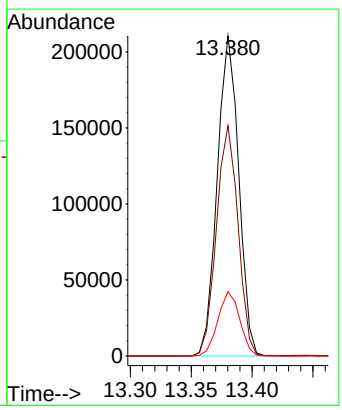
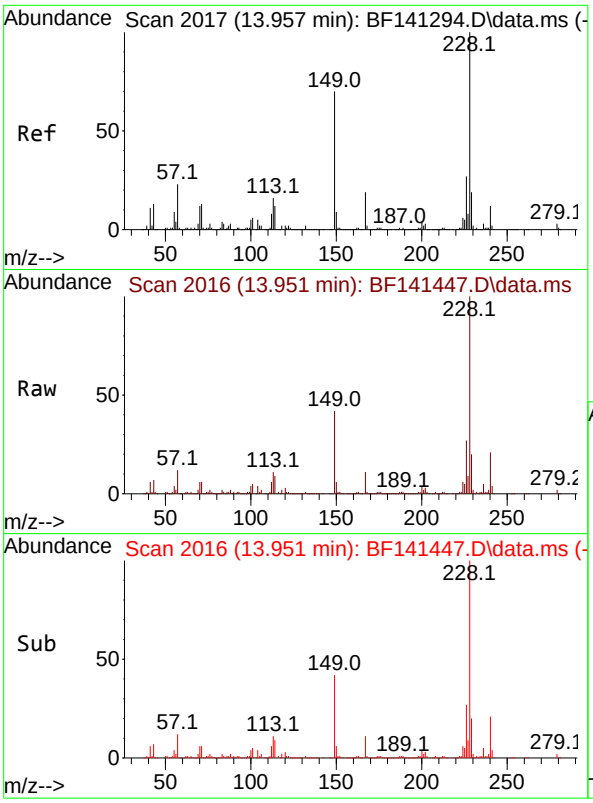


#80
Butylbenzylphthalate
Concen: 40.822 ng
RT: 13.380 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:149 Resp: 258917

Ion	Ratio	Lower	Upper
149	100		
91	72.0	58.6	87.8
206	20.1	16.7	25.1

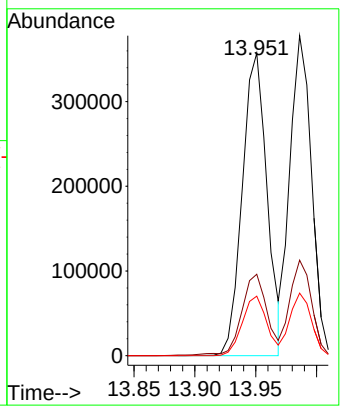




#81
Benzo(a)anthracene
Concen: 38.719 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:228 Resp: 50533

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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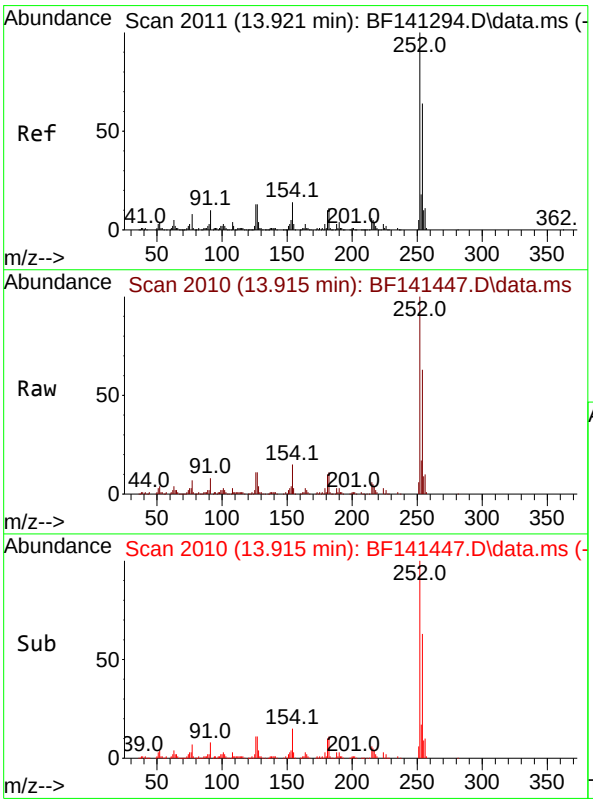
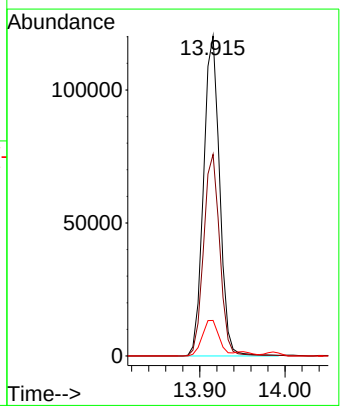
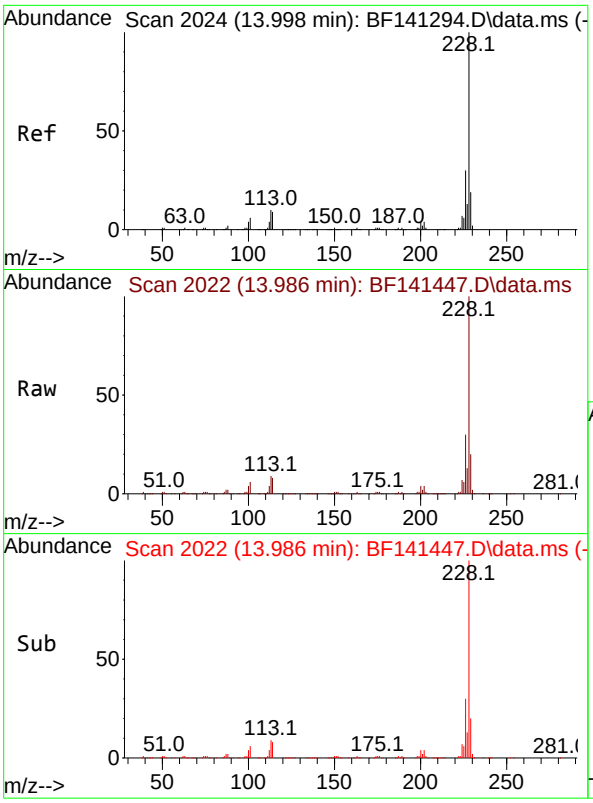


#82
3,3'-Dichlorobenzidine
Concen: 37.967 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:252 Resp: 157600

Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.3	76.9
126	11.1	10.0	15.0

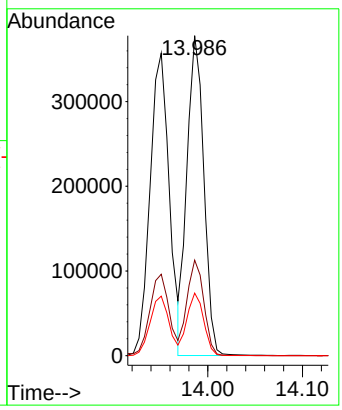




#83
Chrysene
Concen: 39.147 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:228 Resp: 46823

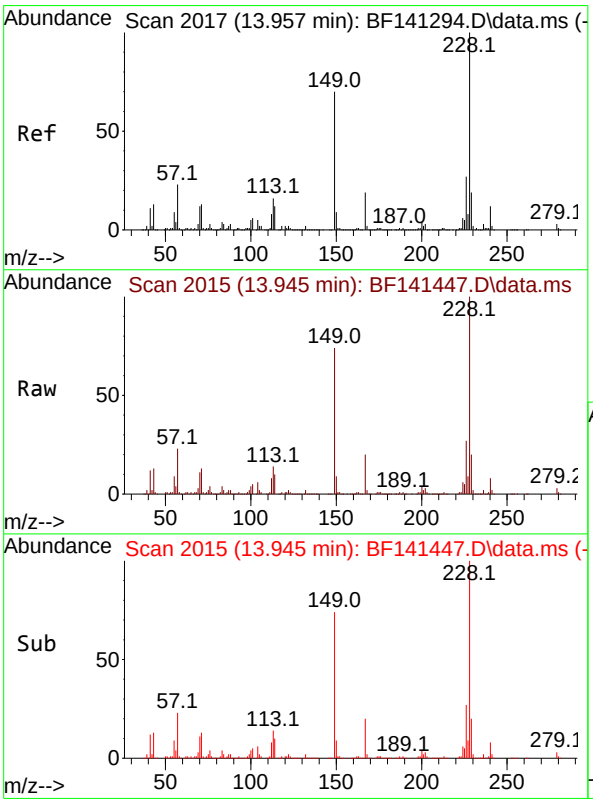
Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

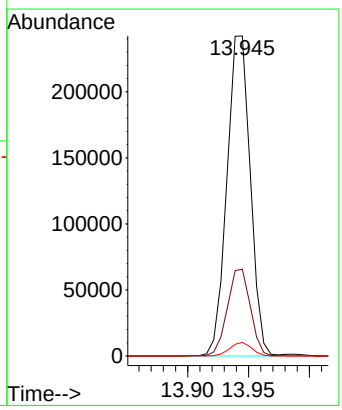
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

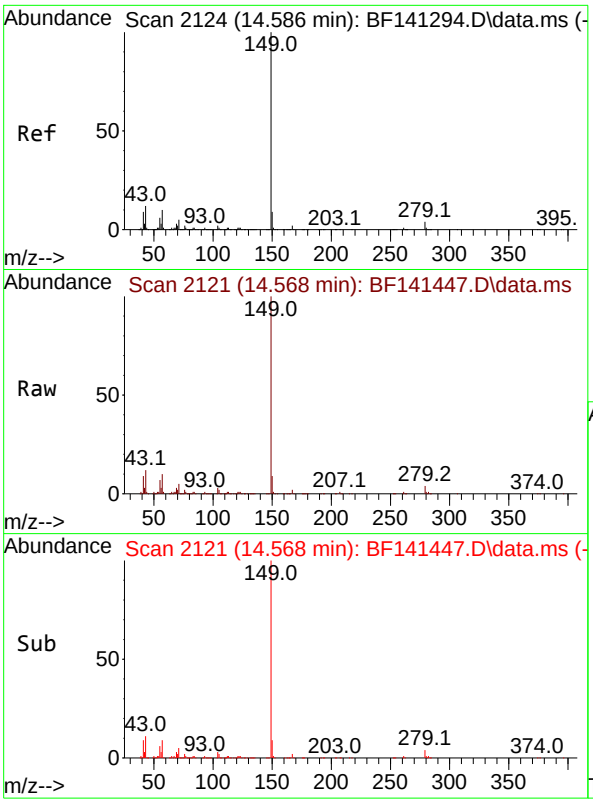


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.283 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:149 Resp: 324105

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.8	32.8
279	4.2	3.3	4.9

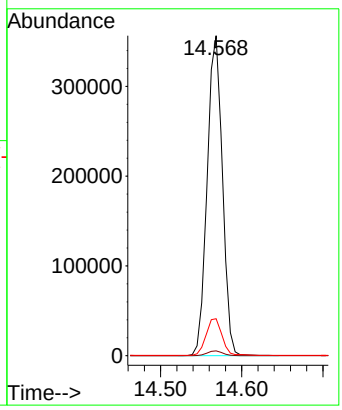




#85
Di-n-octyl phthalate
Concen: 37.112 ng
RT: 14.568 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:149 Resp: 46377

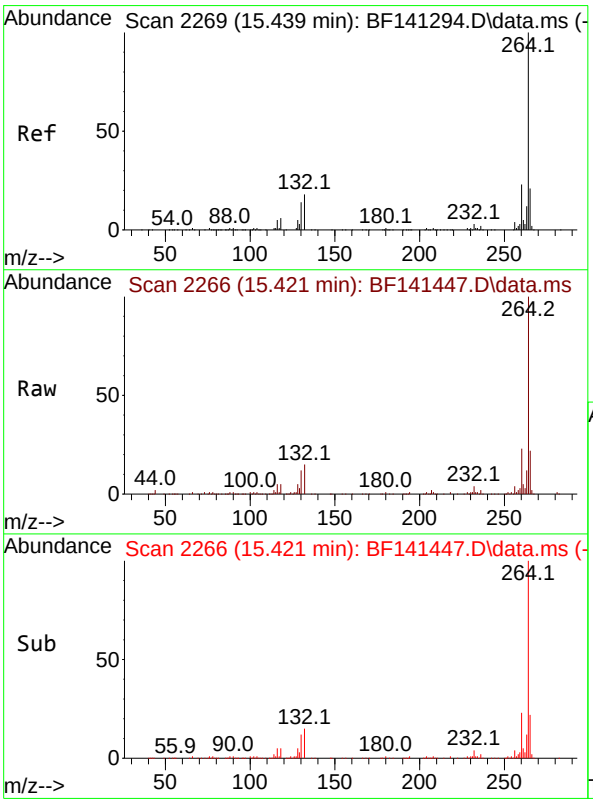
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.0	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

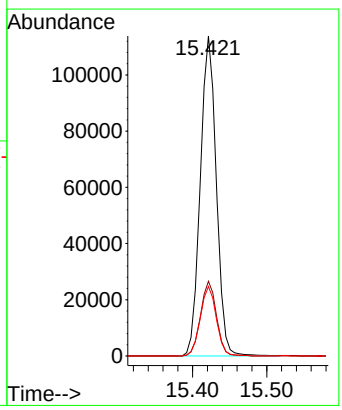
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

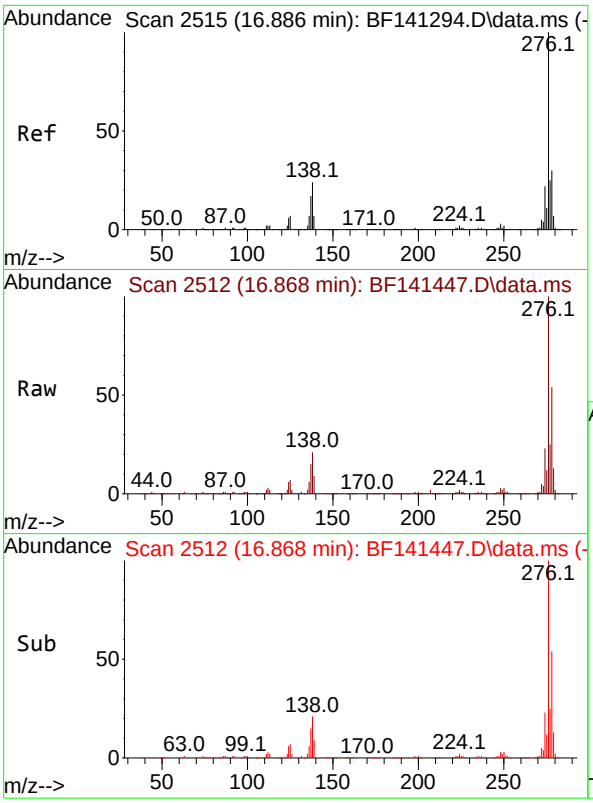


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:264 Resp: 170936

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.7	16.7	25.1

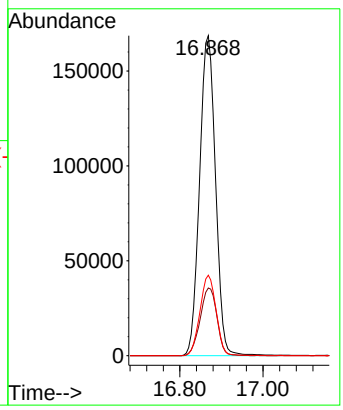




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.777 ng
RT: 16.868 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:276 Resp: 44987

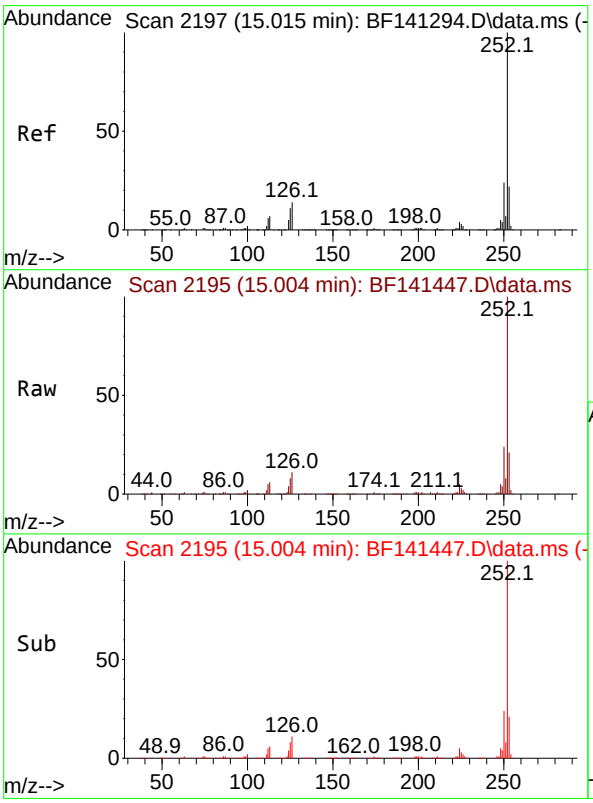
Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.7	32.5
277	25.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

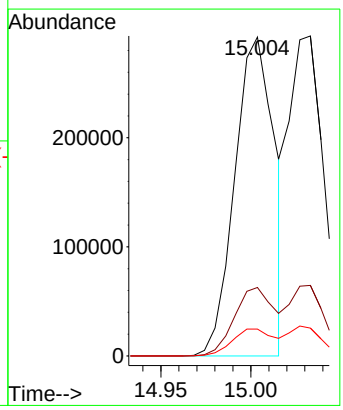
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

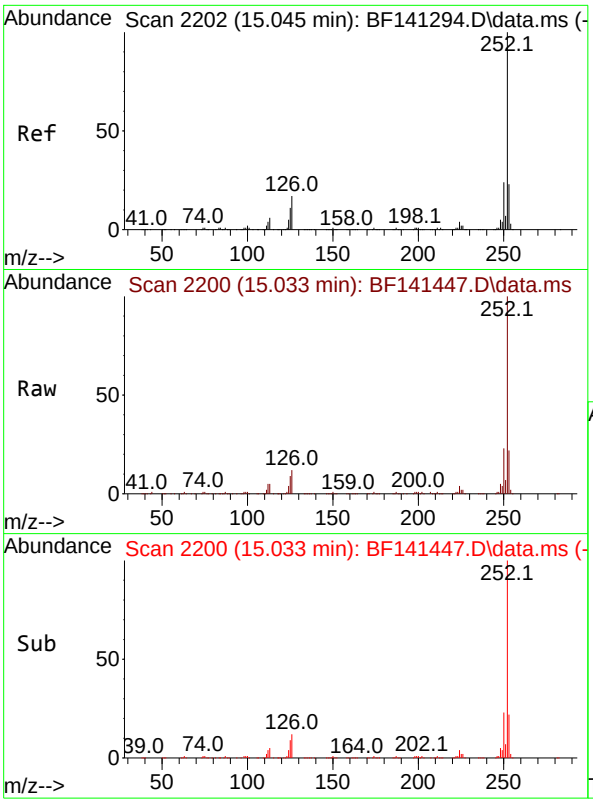


#88
Benzo(b)fluoranthene
Concen: 41.674 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:252 Resp: 448091

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	8.4	8.6	12.8#

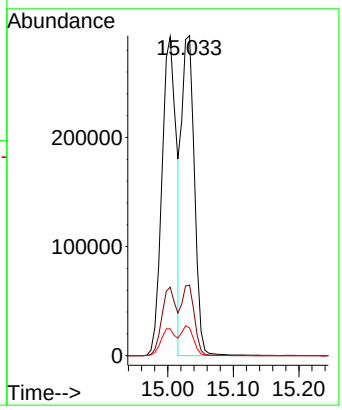




#89
Benzo(k)fluoranthene
Concen: 41.460 ng
RT: 15.033 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:252 Resp: 39491

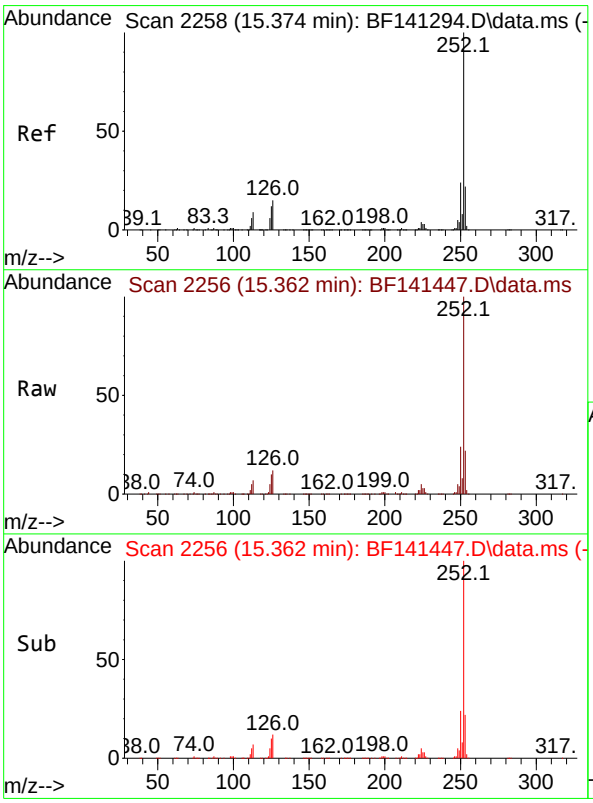
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.7	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

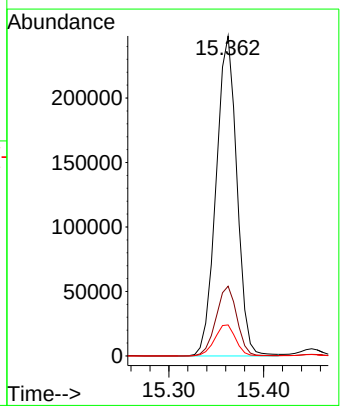
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

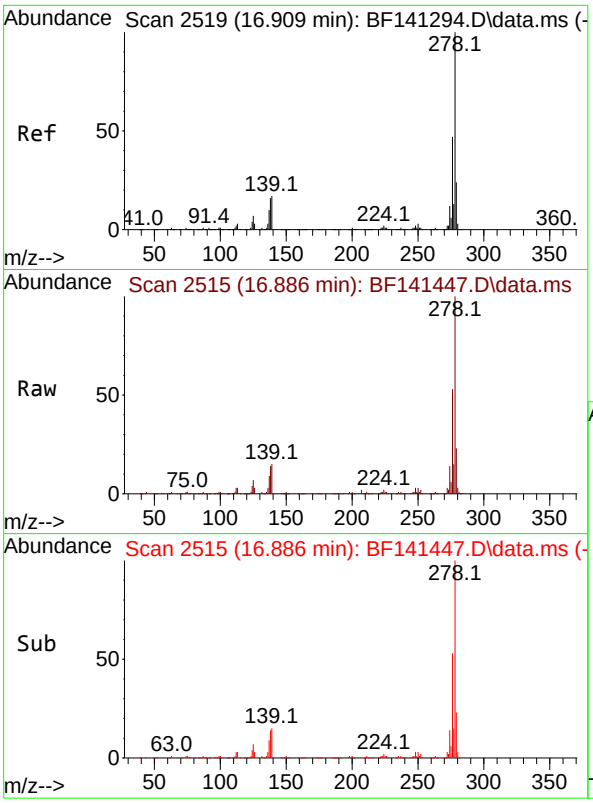


#90
Benzo(a)pyrene
Concen: 41.684 ng
RT: 15.362 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:252 Resp: 378746

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.7	9.4	14.2

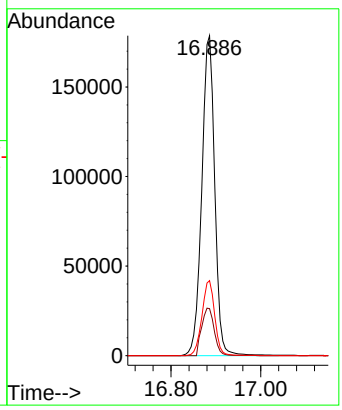




#91
Dibenzo(a,h)anthracene
Concen: 40.350 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:278 Resp: 35815

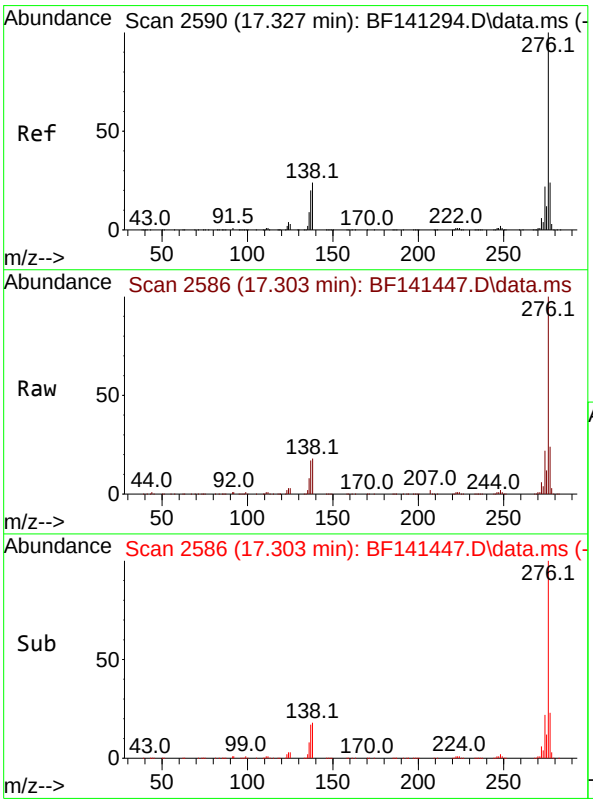
Ion	Ratio	Lower	Upper
278	100		
139	14.7	13.9	20.9
279	23.4	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

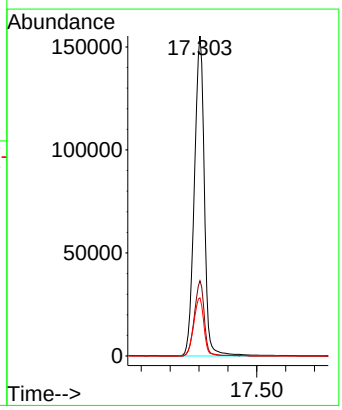
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 40.435 ng
RT: 17.303 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141447.D
Acq: 05 Feb 2025 15:16

Tgt Ion:276 Resp: 373186

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	18.1	19.0	28.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	60	-0.01
2		1,4-Dioxane	0.573	0.522	8.9	59	-0.04
3		Pyridine	1.380	1.287	6.7	59	-0.05
4		n-Nitrosodimethylamine	0.789	0.863	-9.4	69	-0.06
5	S	2-Fluorophenol	1.303	1.309	-0.5	66	0.00
6		Aniline	1.403	1.296	7.6	58	-0.02
7	S	Phenol-d6	1.657	1.599	3.5	64	0.00
8		2-Chlorophenol	1.396	1.375	1.5	64	-0.01
9		Benzaldehyde	0.960	1.065	-10.9	72	-0.01
10	C	Phenol	1.757	1.692	3.7	62	0.00
11		bis(2-Chloroethyl)ether	1.347	1.250	7.2	61	-0.02
12		1,3-Dichlorobenzene	1.540	1.567	-1.8	66	-0.02
13	C	1,4-Dichlorobenzene	1.547	1.560	-0.8	66	-0.01
14		1,2-Dichlorobenzene	1.448	1.477	-2.0	67	-0.01
15		Benzyl Alcohol	1.133	1.192	-5.2	67	-0.01
16		2,2'-oxybis(1-Chloropropane	2.342	2.062	12.0	57	-0.01
17		2-Methylphenol	1.135	1.070	5.7	62	0.00
18		Hexachloroethane	0.571	0.587	-2.8	67	-0.01
19	P	n-Nitroso-di-n-propylamine	0.985	0.936	5.0	63	-0.02
20		3+4-Methylphenols	1.393	1.393	0.0	65	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	59	-0.01
22		Acetophenone	0.475	0.495	-4.2	67	-0.01
23	S	Nitrobenzene-d5	0.379	0.401	-5.8	66	-0.01
24		Nitrobenzene	0.393	0.410	-4.3	65	-0.02
25		Isophorone	0.656	0.639	2.6	61	-0.02
26	C	2-Nitrophenol	0.185	0.192	-3.8	64	-0.01
27		2,4-Dimethylphenol	0.236	0.229	3.0	60	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.394	5.7	59	-0.02
29	C	2,4-Dichlorophenol	0.289	0.299	-3.5	65	0.00
30		1,2,4-Trichlorobenzene	0.330	0.344	-4.2	66	-0.01
31		Naphthalene	1.057	1.071	-1.3	64	-0.01
32		Benzoic acid	0.217	0.229	-5.5	61	-0.03
33		4-Chloroaniline	0.358	0.310	13.4	54	-0.01
34	C	Hexachlorobutadiene	0.194	0.212	-9.3	69	-0.01
35		Caprolactam	0.094	0.093	1.1	61	-0.03
36	C	4-Chloro-3-methylphenol	0.310	0.324	-4.5	66	0.00
37		2-Methylnaphthalene	0.672	0.677	-0.7	64	-0.01
38		1-Methylnaphthalene	0.660	0.661	-0.2	64	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	60	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.569	0.580	-1.9	65	-0.01
41	P	Hexachlorocyclopentadiene	0.168	0.169	-0.6	59	-0.01
42	S	2,4,6-Tribromophenol	0.183	0.203	-10.9	70	-0.01
43	C	2,4,6-Trichlorophenol	0.372	0.384	-3.2	63	0.00
44		2,4,5-Trichlorophenol	0.405	0.414	-2.2	66	0.00
45	S	2-Fluorobiphenyl	1.299	1.332	-2.5	67	-0.01
46		1,1'-Biphenyl	1.560	1.541	1.2	63	-0.01
47		2-Chloronaphthalene	1.216	1.206	0.8	64	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.382	0.407	-6.5	67	0.00
49		Acenaphthylene	1.702	1.722	-1.2	65	-0.01
50		Dimethylphthalate	1.351	1.366	-1.1	66	-0.02
51		2,6-Dinitrotoluene	0.314	0.321	-2.2	65	-0.01
52	C	Acenaphthene	1.216	1.253	-3.0	66	-0.01
53		3-Nitroaniline	0.307	0.312	-1.6	62	-0.01
54	P	2,4-Dinitrophenol	0.146	0.168	-15.1	68	-0.01
55		Dibenzofuran	1.627	1.652	-1.5	65	-0.01
56	P	4-Nitrophenol	0.225	0.235	-4.4	63	0.00
57		2,4-Dinitrotoluene	0.406	0.439	-8.1	68	-0.01
58		Fluorene	1.262	1.315	-4.2	67	-0.01
59		2,3,4,6-Tetrachlorophenol	0.319	0.343	-7.5	67	0.00
60		Diethylphthalate	1.310	1.335	-1.9	65	-0.02
61		4-Chlorophenyl-phenylether	0.617	0.647	-4.9	68	-0.01
62		4-Nitroaniline	0.302	0.331	-9.6	68	-0.02
63		Azobenzene	1.311	1.306	0.4	64	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	64	-0.01
65		4,6-Dinitro-2-methylphenol	0.118	0.139	-17.8	71	-0.01
66	c	n-Nitrosodiphenylamine	0.647	0.640	1.1	65	-0.01
67		4-Bromophenyl-phenylether	0.224	0.230	-2.7	68	-0.01
68		Hexachlorobenzene	0.238	0.245	-2.9	69	-0.01
69		Atrazine	0.216	0.205	5.1	62	-0.02
70	C	Pentachlorophenol	0.139	0.152	-9.4	68	-0.01
71		Phenanthrene	1.075	1.125	-4.7	70	-0.01
72		Anthracene	1.053	1.105	-4.9	70	-0.01
73		Carbazole	0.934	1.005	-7.6	72	0.00
74		Di-n-butylphthalate	1.132	1.175	-3.8	69	-0.01
75	C	Fluoranthene	1.062	1.201	-13.1	76	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	73	-0.01
77		Benzidine	0.641	0.644	-0.5	64	0.00
78		Pyrene	1.920	1.896	1.3	78	-0.01
79	S	Terphenyl-d14	1.297	1.301	-0.3	80	-0.01
80		Butylbenzylphthalate	0.671	0.684	-1.9	79	-0.01
81		Benzo(a)anthracene	1.380	1.336	3.2	76	-0.01
82		3,3'-Dichlorobenzidine	0.439	0.417	5.0	72	-0.01
83		Chrysene	1.265	1.238	2.1	79	-0.01
84		Bis(2-ethylhexyl)phthalate	0.851	0.857	-0.7	79	-0.01
85	c	Di-n-octyl phthalate	1.321	1.226	7.2	72	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	61	-0.02
87		Indeno(1,2,3-cd)pyrene	1.291	1.316	-1.9	64	-0.03
88		Benzo(b)fluoranthene	1.258	1.311	-4.2	72	-0.02
89		Benzo(k)fluoranthene	1.114	1.155	-3.7	65	-0.02
90	C	Benzo(a)pyrene	1.063	1.108	-4.2	67	-0.02
91		Dibenzo(a,h)anthracene	1.039	1.048	-0.9	63	-0.04
92		Benzo(g,h,i)perylene	1.080	1.092	-1.1	64	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	60	-0.01
2		1,4-Dioxane	40.000	36.458	8.9	59	-0.04
3		Pyridine	40.000	37.303	6.7	59	-0.05
4		n-Nitrosodimethylamine	40.000	43.755	-9.4	69	-0.06
5	S	2-Fluorophenol	80.000	80.382	-0.5	66	0.00
6		Aniline	40.000	36.942	7.6	58	-0.02
7	S	Phenol-d6	80.000	77.175	3.5	64	0.00
8		2-Chlorophenol	40.000	39.384	1.5	64	-0.01
9		Benzaldehyde	40.000	44.359	-10.9	72	-0.01
10	C	Phenol	40.000	38.522	3.7	62	0.00
11		bis(2-Chloroethyl)ether	40.000	37.123	7.2	61	-0.02
12		1,3-Dichlorobenzene	40.000	40.714	-1.8	66	-0.02
13	C	1,4-Dichlorobenzene	40.000	40.346	-0.9	66	-0.01
14		1,2-Dichlorobenzene	40.000	40.781	-2.0	67	-0.01
15		Benzyl Alcohol	40.000	42.111	-5.3	67	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	35.215	12.0	57	-0.01
17		2-Methylphenol	40.000	37.700	5.7	62	0.00
18		Hexachloroethane	40.000	41.142	-2.9	67	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	38.029	4.9	63	-0.02
20		3+4-Methylphenols	40.000	39.993	0.0	65	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	59	-0.01
22		Acetophenone	40.000	41.690	-4.2	67	-0.01
23	S	Nitrobenzene-d5	80.000	84.661	-5.8	66	-0.01
24		Nitrobenzene	40.000	41.742	-4.4	65	-0.02
25		Isophorone	40.000	38.977	2.6	61	-0.02
26	C	2-Nitrophenol	40.000	41.507	-3.8	64	-0.01
27		2,4-Dimethylphenol	40.000	38.815	3.0	60	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.637	5.9	59	-0.02
29	C	2,4-Dichlorophenol	40.000	41.356	-3.4	65	0.00
30		1,2,4-Trichlorobenzene	40.000	41.662	-4.2	66	-0.01
31		Naphthalene	40.000	40.542	-1.4	64	-0.01
32		Benzoic acid	40.000	42.178	-5.4	61	-0.03
33		4-Chloroaniline	40.000	34.556	13.6	54	-0.01
34	C	Hexachlorobutadiene	40.000	43.752	-9.4	69	-0.01
35		Caprolactam	40.000	39.508	1.2	61	-0.03
36	C	4-Chloro-3-methylphenol	40.000	41.835	-4.6	66	0.00
37		2-Methylnaphthalene	40.000	40.313	-0.8	64	-0.01
38		1-Methylnaphthalene	40.000	40.101	-0.3	64	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	60	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	40.790	-2.0	65	-0.01
41	P	Hexachlorocyclopentadiene	40.000	40.311	-0.8	59	-0.01
42	S	2,4,6-Tribromophenol	80.000	88.675	-10.8	70	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.280	-3.2	63	0.00
44		2,4,5-Trichlorophenol	40.000	40.864	-2.2	66	0.00
45	S	2-Fluorobiphenyl	80.000	82.031	-2.5	67	-0.01
46		1,1'-Biphenyl	40.000	39.526	1.2	63	-0.01
47		2-Chloronaphthalene	40.000	39.690	0.8	64	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.611	-6.5	67	0.00
49		Acenaphthylene	40.000	40.477	-1.2	65	-0.01
50		Dimethylphthalate	40.000	40.461	-1.2	66	-0.02
51		2,6-Dinitrotoluene	40.000	40.902	-2.3	65	-0.01
52	C	Acenaphthene	40.000	41.234	-3.1	66	-0.01
53		3-Nitroaniline	40.000	40.648	-1.6	62	-0.01
54	P	2,4-Dinitrophenol	40.000	46.121	-15.3	68	-0.01
55		Dibenzofuran	40.000	40.604	-1.5	65	-0.01
56	P	4-Nitrophenol	40.000	41.757	-4.4	63	0.00
57		2,4-Dinitrotoluene	40.000	43.255	-8.1	68	-0.01
58		Fluorene	40.000	41.681	-4.2	67	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	43.009	-7.5	67	0.00
60		Diethylphthalate	40.000	40.767	-1.9	65	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.942	-4.9	68	-0.01
62		4-Nitroaniline	40.000	43.805	-9.5	68	-0.02
63		Azobenzene	40.000	39.861	0.3	64	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	64	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	47.093	-17.7	71	-0.01
66	c	n-Nitrosodiphenylamine	40.000	39.596	1.0	65	-0.01
67		4-Bromophenyl-phenylether	40.000	41.034	-2.6	68	-0.01
68		Hexachlorobenzene	40.000	41.264	-3.2	69	-0.01
69		Atrazine	40.000	37.984	5.0	62	-0.02
70	C	Pentachlorophenol	40.000	43.736	-9.3	68	-0.01
71		Phenanthrene	40.000	41.848	-4.6	70	-0.01
72		Anthracene	40.000	41.945	-4.9	70	-0.01
73		Carbazole	40.000	43.030	-7.6	72	0.00
74		Di-n-butylphthalate	40.000	41.523	-3.8	69	-0.01
75	C	Fluoranthene	40.000	45.252	-13.1	76	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	73	-0.01
77		Benzidine	40.000	40.163	-0.4	64	0.00
78		Pyrene	40.000	39.495	1.3	78	-0.01
79	S	Terphenyl-d14	80.000	80.246	-0.3	80	-0.01
80		Butylbenzylphthalate	40.000	40.822	-2.1	79	-0.01
81		Benzo(a)anthracene	40.000	38.719	3.2	76	-0.01
82		3,3'-Dichlorobenzidine	40.000	37.967	5.1	72	-0.01
83		Chrysene	40.000	39.147	2.1	79	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.283	-0.7	79	-0.01
85	c	Di-n-octyl phthalate	40.000	37.112	7.2	72	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	61	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.777	-1.9	64	-0.03
88		Benzo(b)fluoranthene	40.000	41.674	-4.2	72	-0.02
89		Benzo(k)fluoranthene	40.000	41.460	-3.7	65	-0.02
90	C	Benzo(a)pyrene	40.000	41.684	-4.2	67	-0.02
91		Dibenzo(a,h)anthracene	40.000	40.350	-0.9	63	-0.04
92		Benzo(g,h,i)perylene	40.000	40.435	-1.1	64	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141447.D
Acq On : 05 Feb 2025 15:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Feb 05 15:51:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

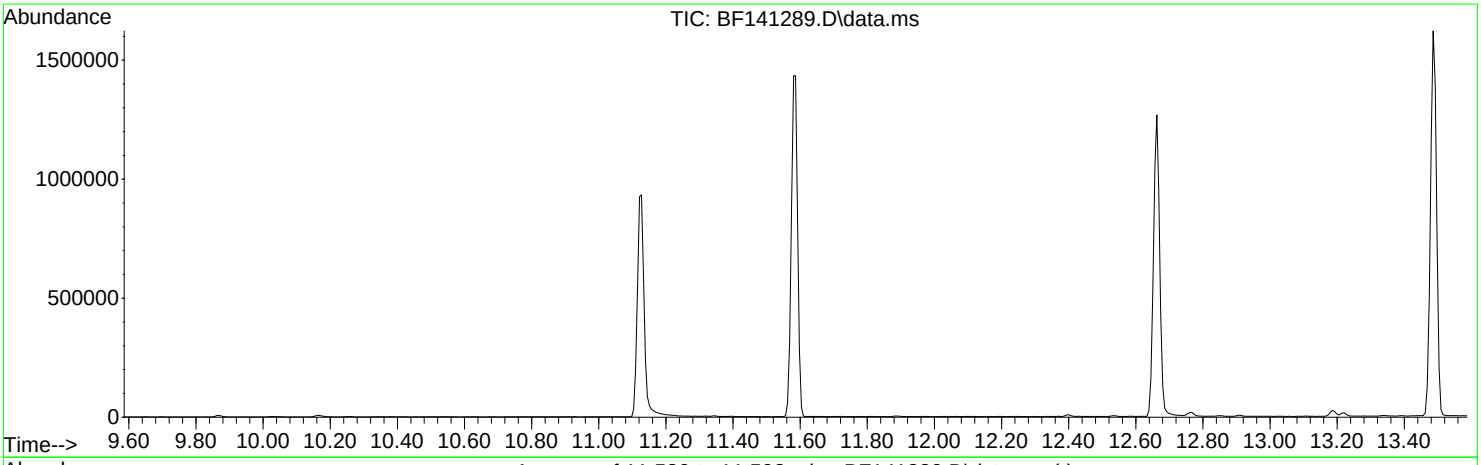
QC SAMPLE DATA

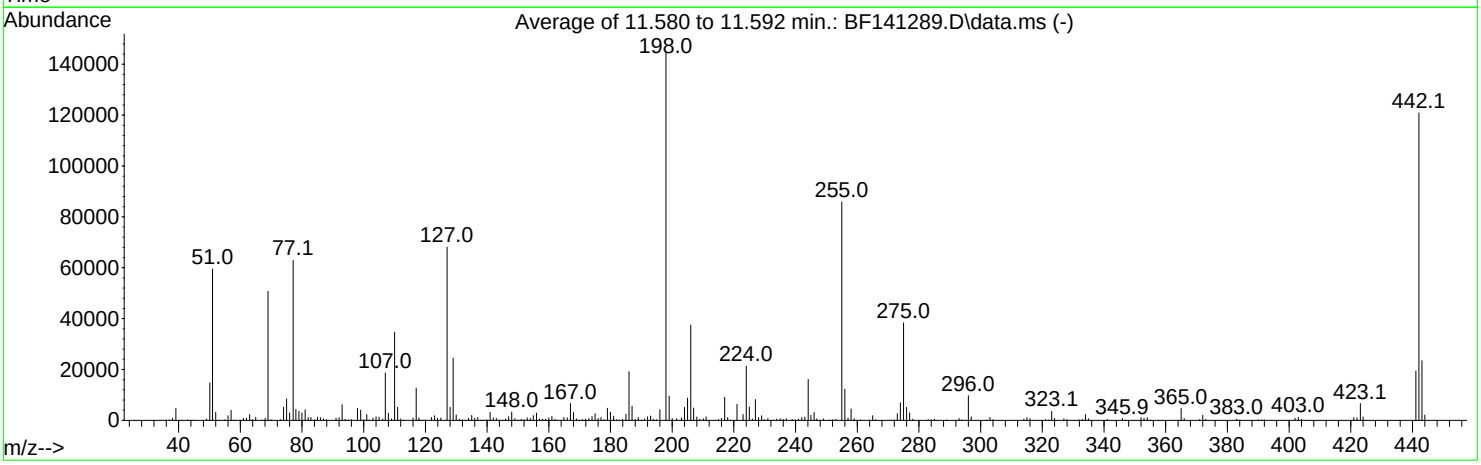
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.1	59504	PASS
68	69	0.00	2	1.7	874	PASS
69	198	0.00	100	35.1	50789	PASS
70	69	0.00	2	0.6	281	PASS
127	198	10	80	47.1	68133	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144613	PASS
199	198	5	9	6.6	9584	PASS
275	198	10	60	26.5	38371	PASS
365	198	1	100	3.2	4642	PASS
441	198	0.01	100	13.5	19467	PASS
442	442	50	100	100.0	120923	PASS
443	442	15	24	19.4	23456	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

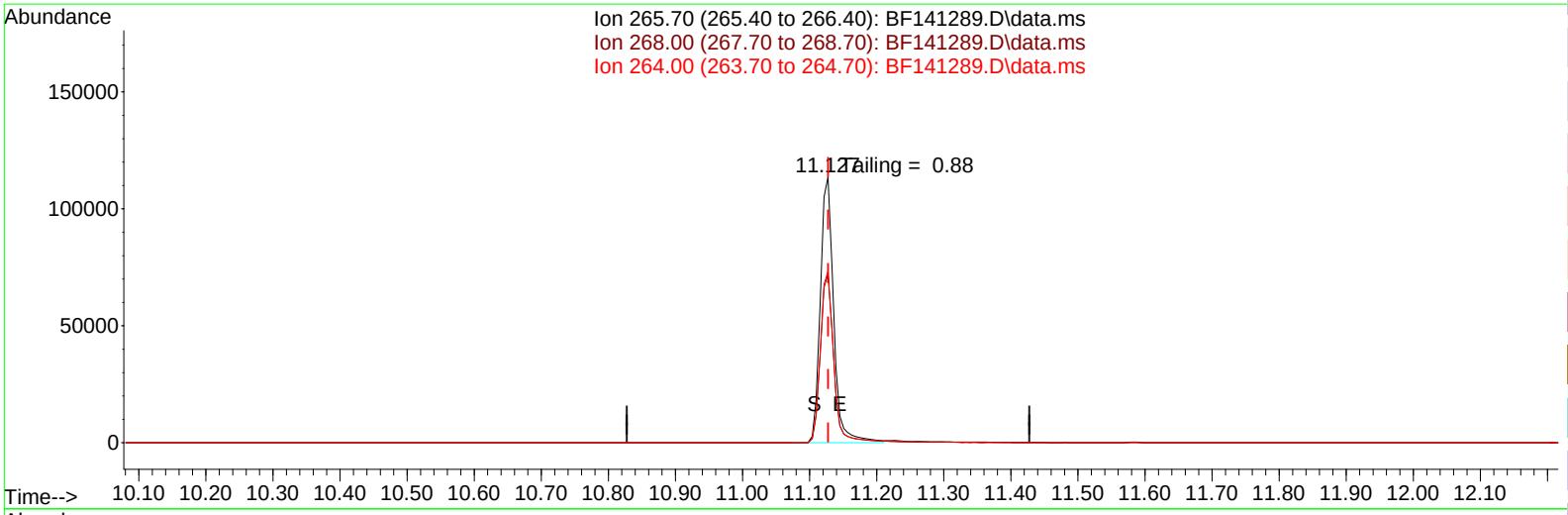
DDT Breakdown

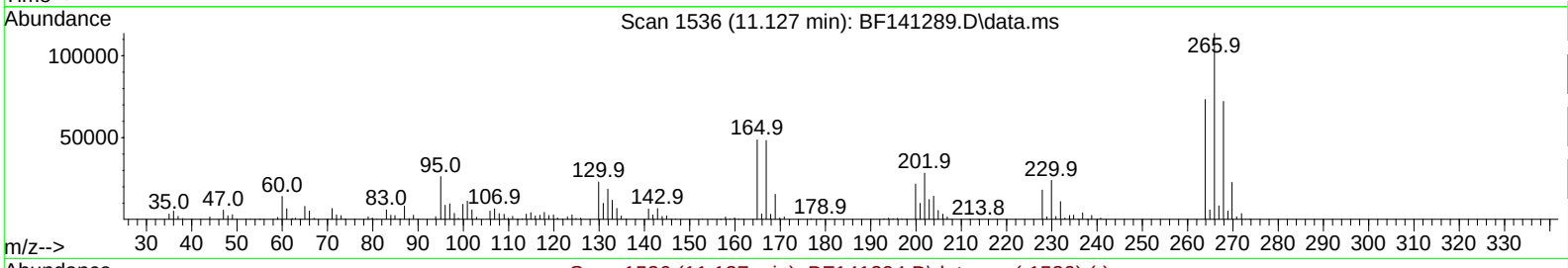
Date	Instrument Name	DFTPP Data File
1/29/2025	BNA_F	BF141289.D
Compound Name	**Response**	**Retention Time**
DDT	407437	13.486
DDD	11239	13.186
DDE	931	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12170	419607	2.90

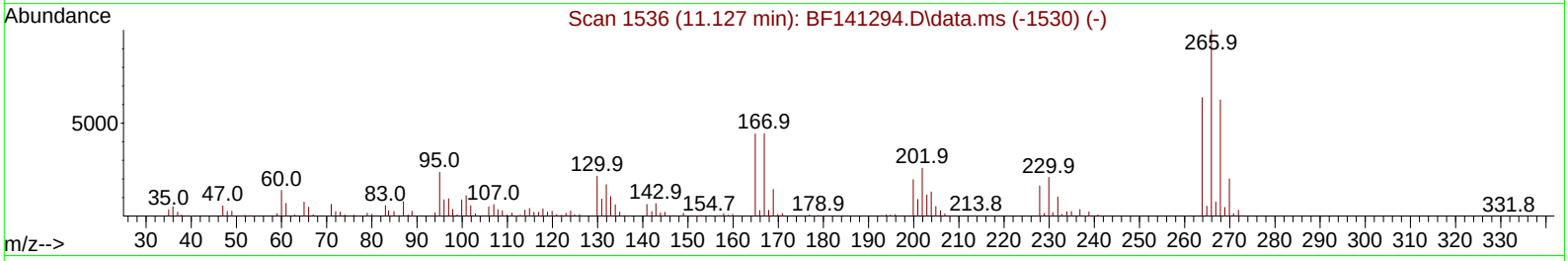
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(70) Pentachlorophenol (C)

11.127min (-0.000) 18353.04 ng

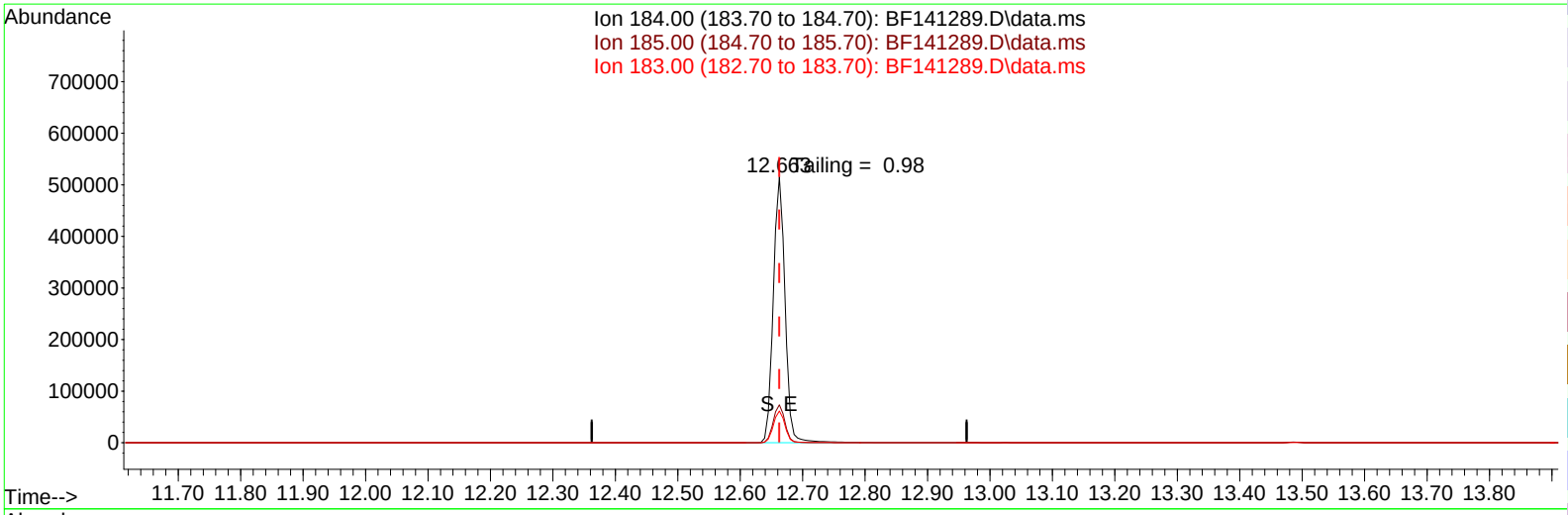
response 157302

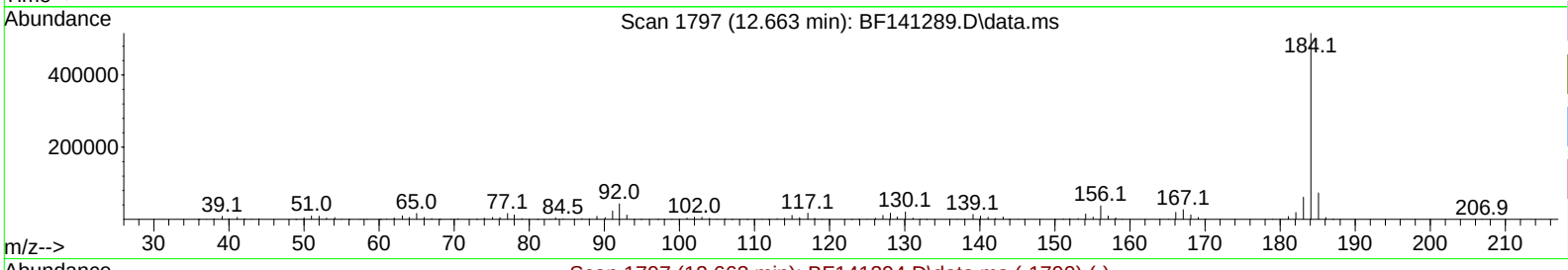
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	68.00	63.47
264.00	63.20	64.50
0.00	0.00	0.00

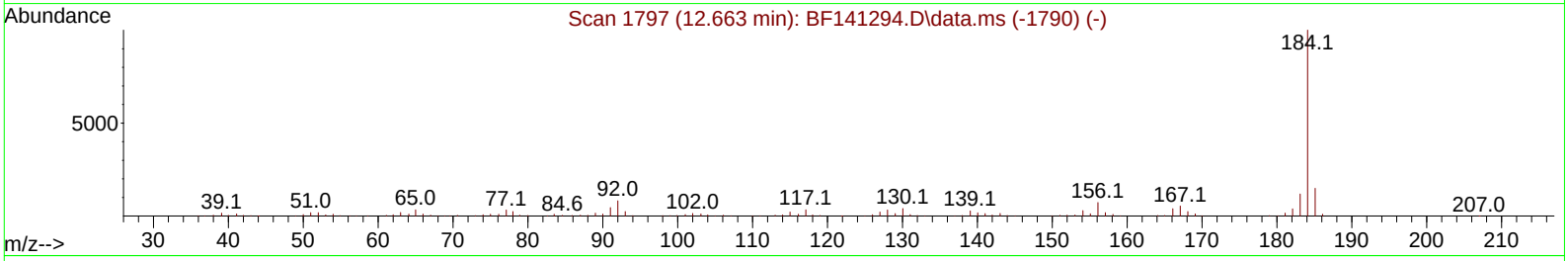
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012925\
Data File : BF141289.D
Acq On : 29 Jan 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 29 13:18:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 13:12:40 2025
Response via : Initial Calibration







TIC: BF141289.D\data.ms

(77) Benzidine

12.663min (-0.000) 86413.53 ng

response 677498

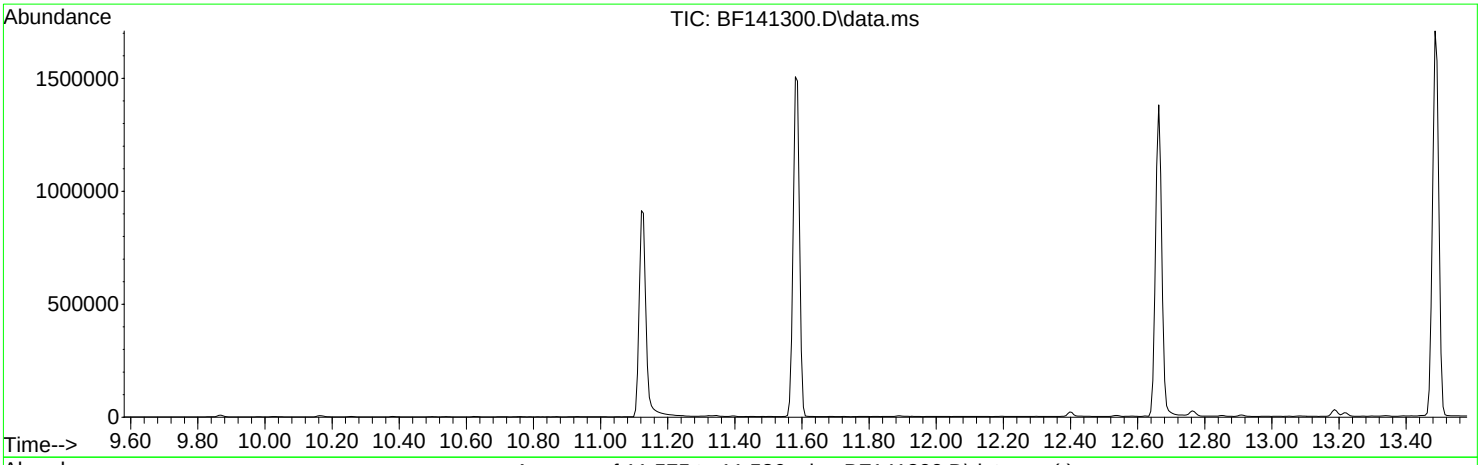
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.27
183.00	11.70	11.93
0.00	0.00	0.00

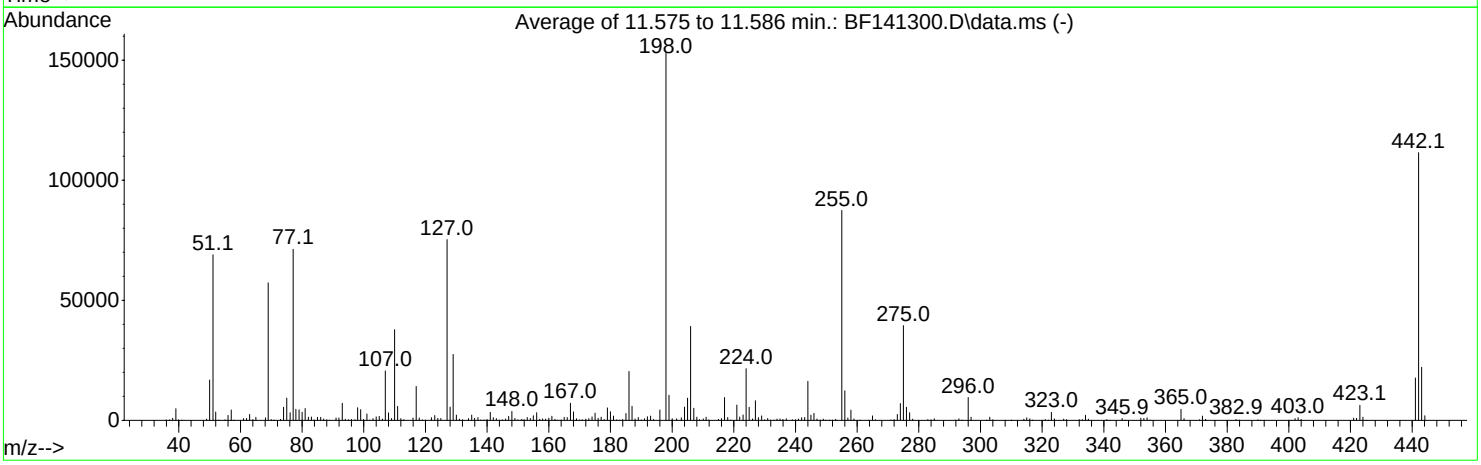
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.0	68947	PASS
68	69	0.00	2	1.9	1080	PASS
69	198	0.00	100	37.4	57275	PASS
70	69	0.00	2	0.6	350	PASS
127	198	10	80	49.1	75275	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	153189	PASS
199	198	5	9	6.8	10452	PASS
275	198	10	60	25.8	39467	PASS
365	198	1	100	3.0	4620	PASS
441	198	0.01	100	11.5	17662	PASS
442	442	50	100	100.0	111453	PASS
443	442	15	24	19.8	22114	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

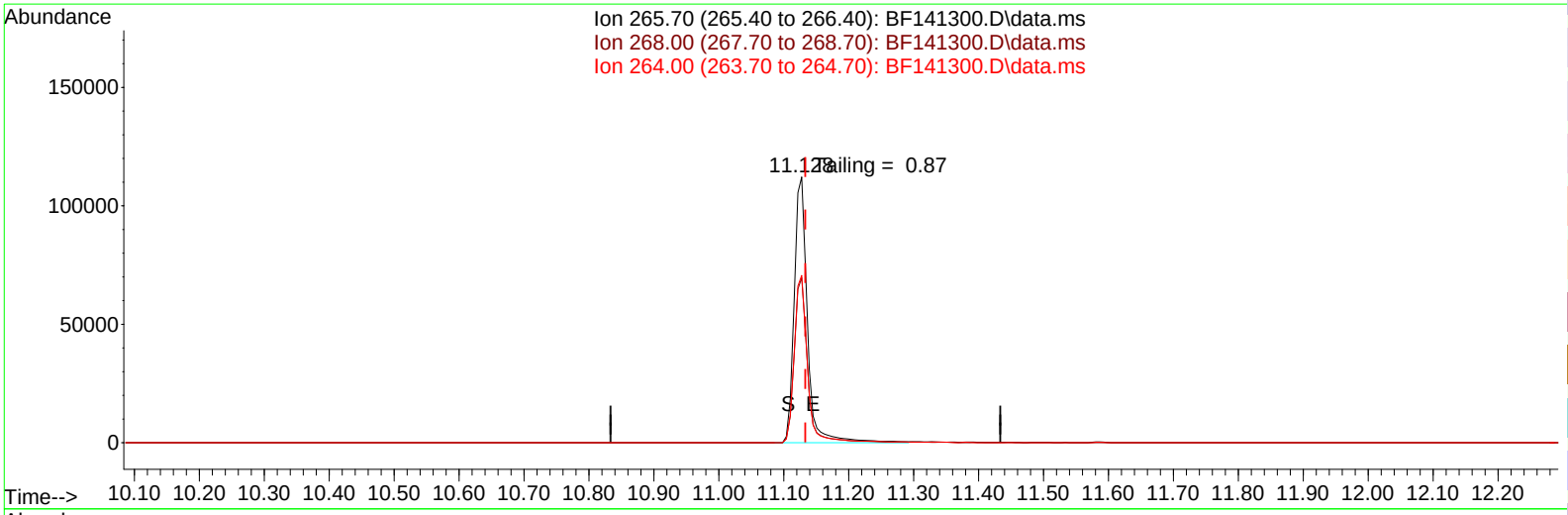
DDT Breakdown

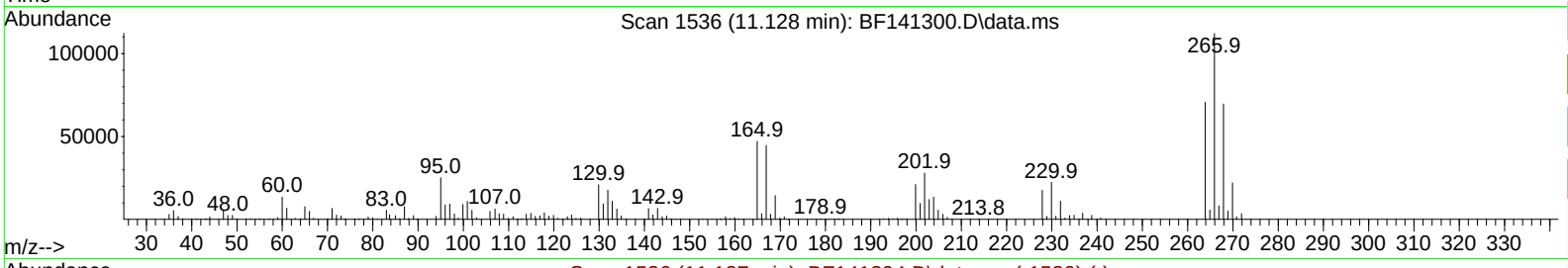
Date	Instrument Name	DFTPP Data File
1/30/2025	BNA_F	BF141300.D
Compound Name	**Response**	**Retention Time**
DDT	441101	13.486
DDD	12334	13.186
DDE	802	12.851
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13136	454237	2.89

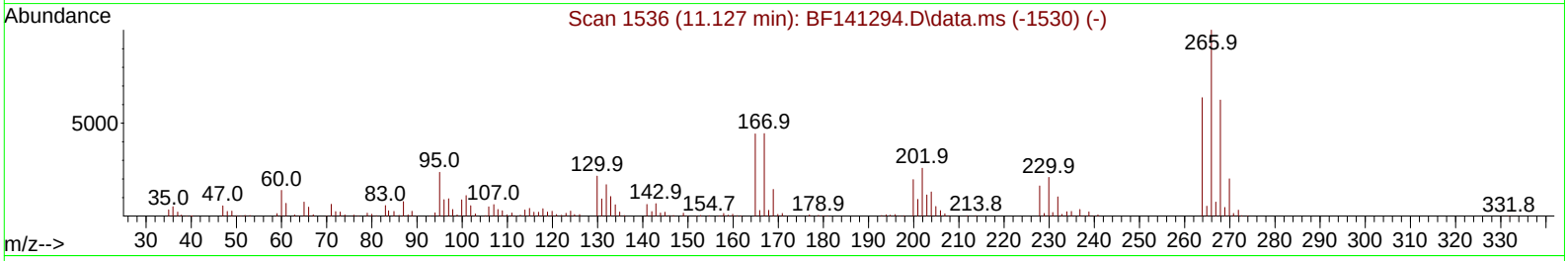
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141300.D\data.ms

(70) Pentachlorophenol (C)

11.128min (-0.006) 13218.72 ng

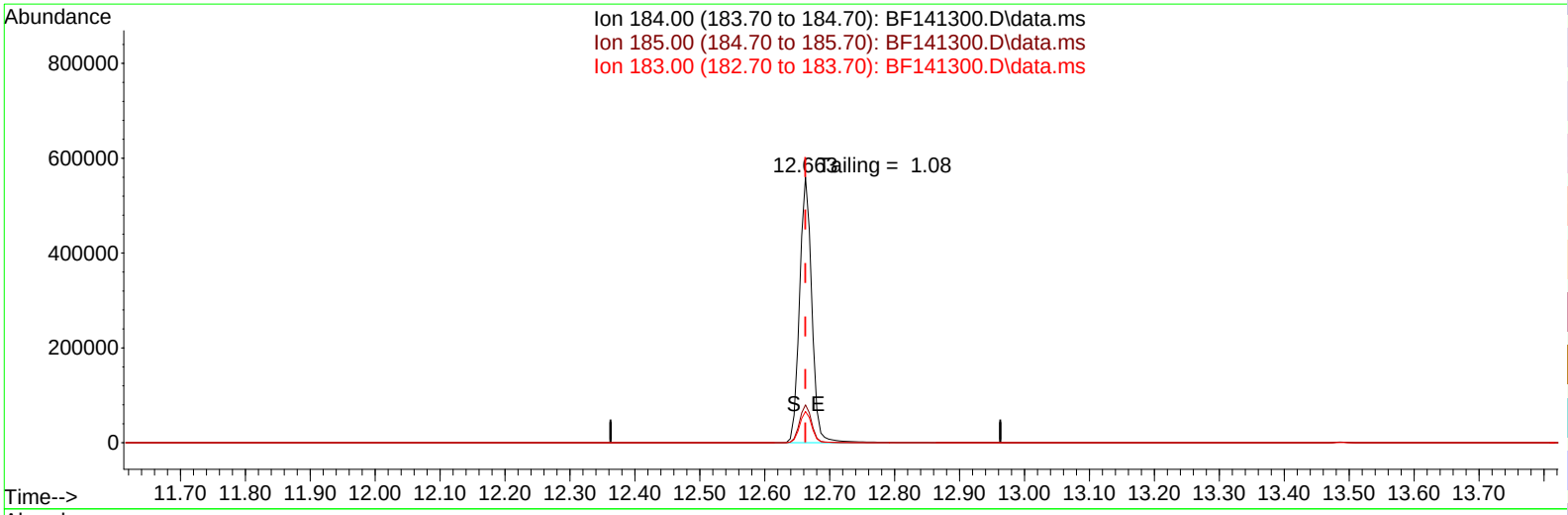
response 160131

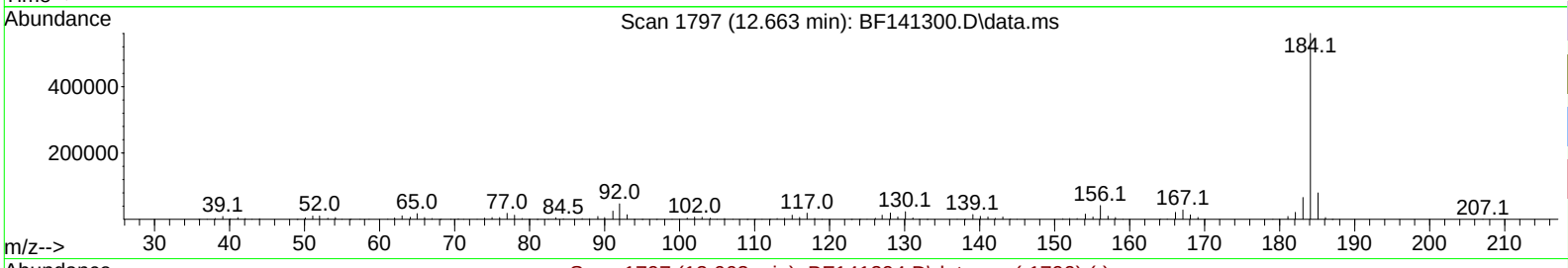
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.08
264.00	63.70	62.98
0.00	0.00	0.00

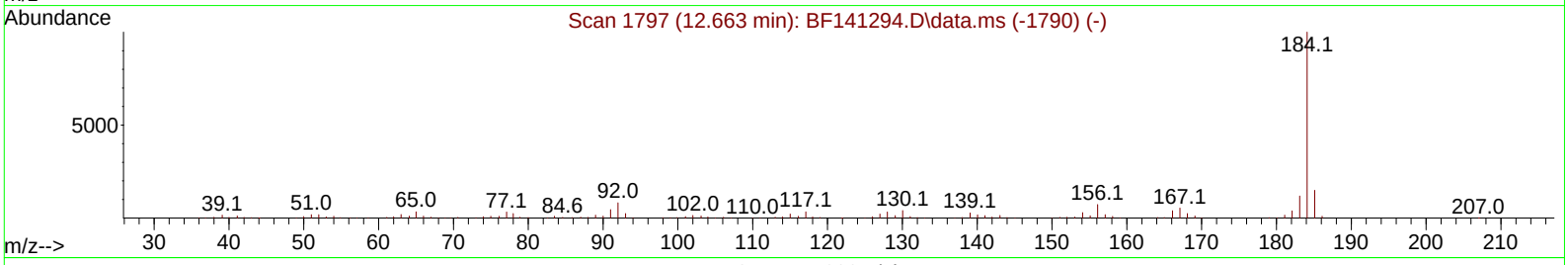
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141300.D
Acq On : 30 Jan 2025 08:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 30 10:21:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141300.D\data.ms

(77) Benzidine

12.663min (-0.000) 23068.63 ng

response 739544

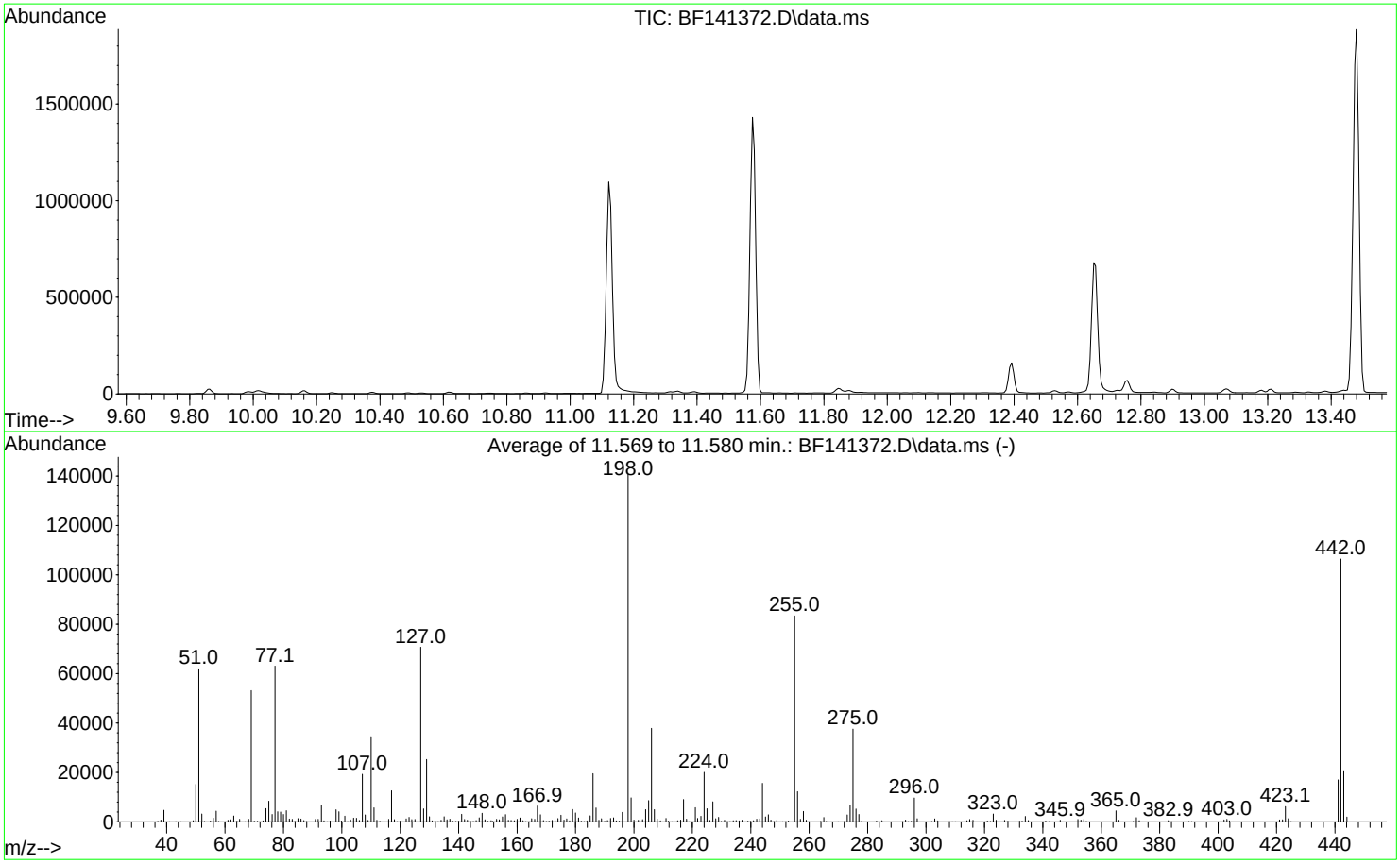
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.27
183.00	11.90	11.79
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025



AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1605

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.1	61981	PASS
68	69	0.00	2	2.0	1060	PASS
69	198	0.00	100	37.8	53141	PASS
70	69	0.00	2	0.6	326	PASS
127	198	10	80	50.3	70667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	140589	PASS
199	198	5	9	6.9	9756	PASS
275	198	10	60	26.7	37523	PASS
365	198	1	100	3.2	4469	PASS
441	198	0.01	100	12.1	17032	PASS
442	442	50	100	100.0	106389	PASS
443	442	15	24	19.5	20710	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

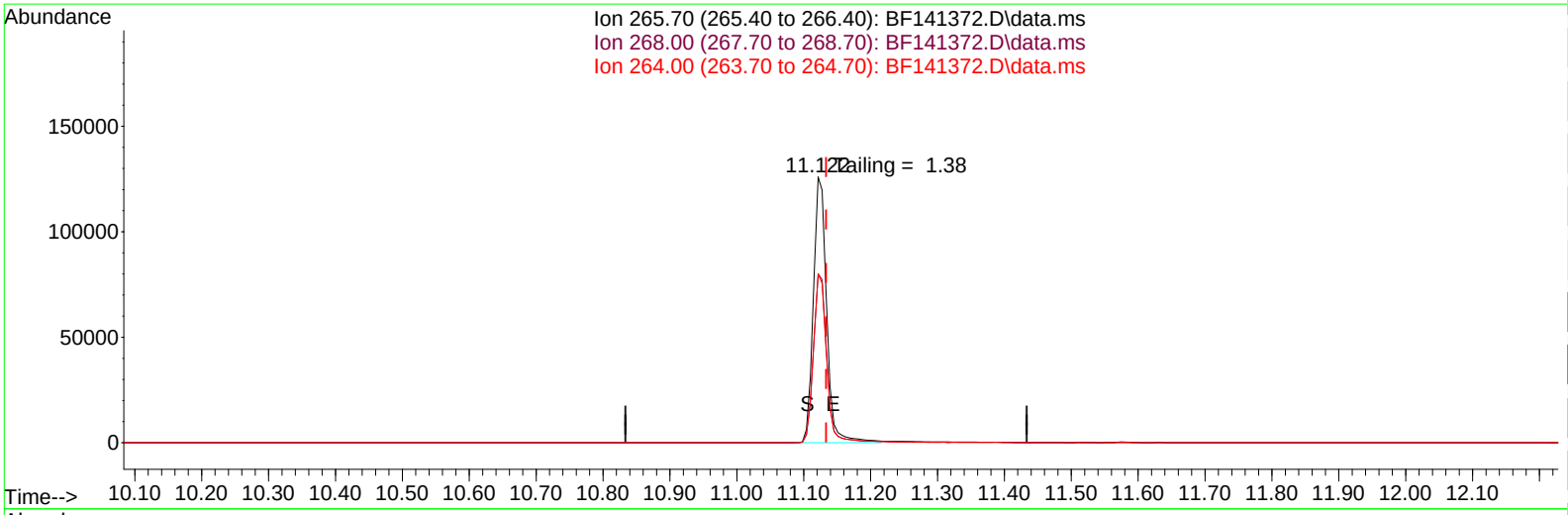
DDT Breakdown

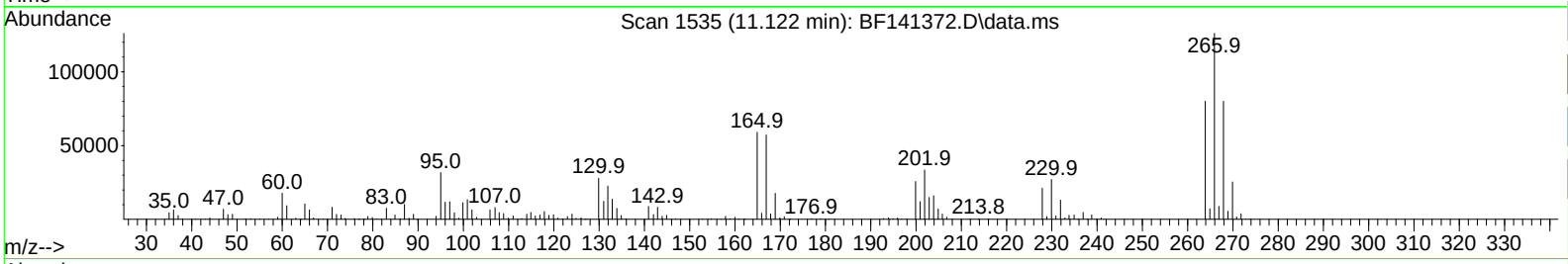
Date	Instrument Name	DFTPP Data File
2/3/2025	BNA_F	BF141372.D
Compound Name	**Response**	**Retention Time**
DDT	484680	13.48
DDD	8749	13.21
DDE	790	12.845
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9539	494219	1.93

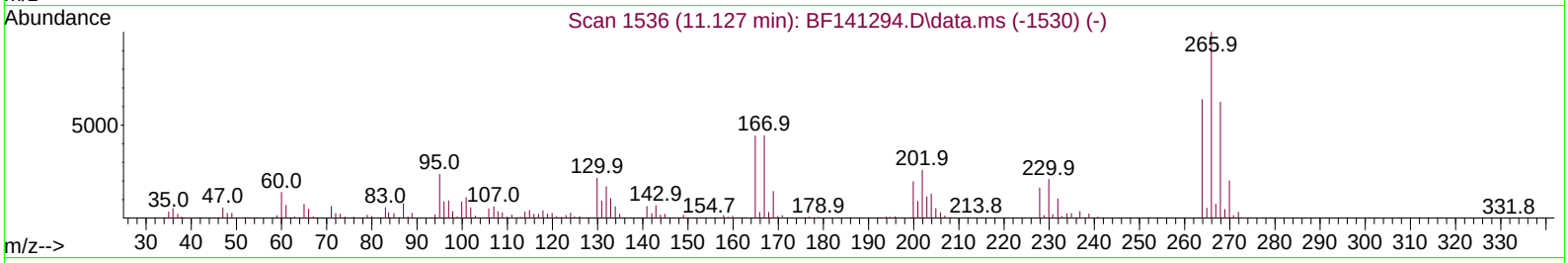
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141372.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 6372.12 ng

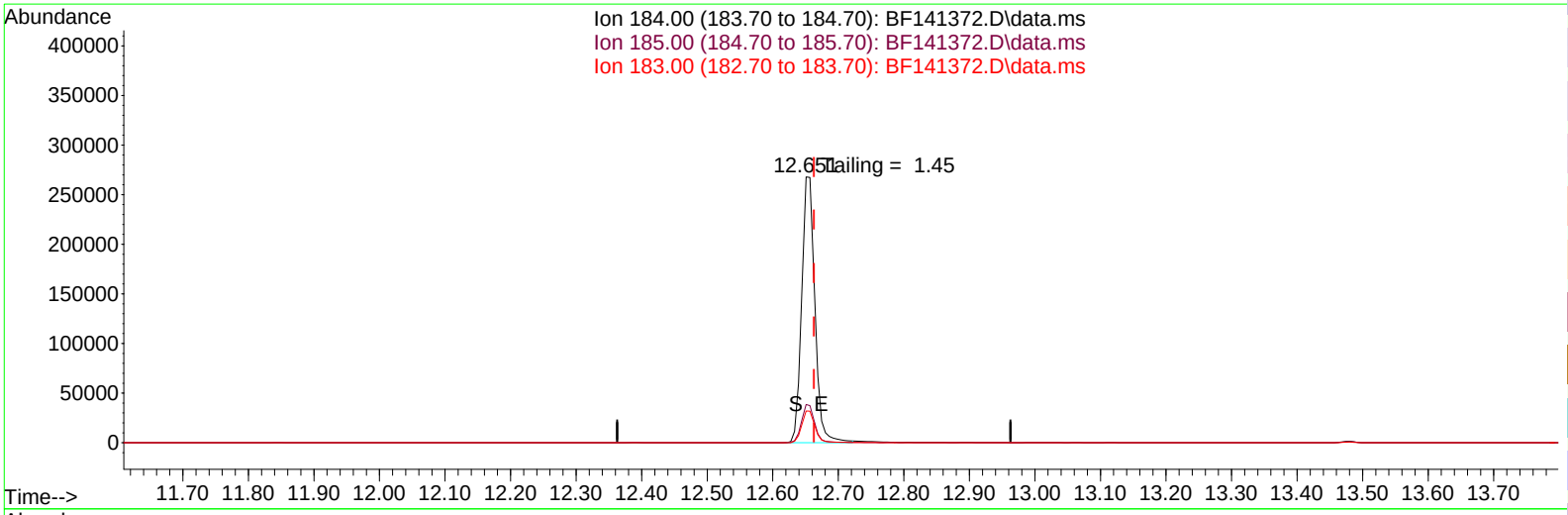
response 175387

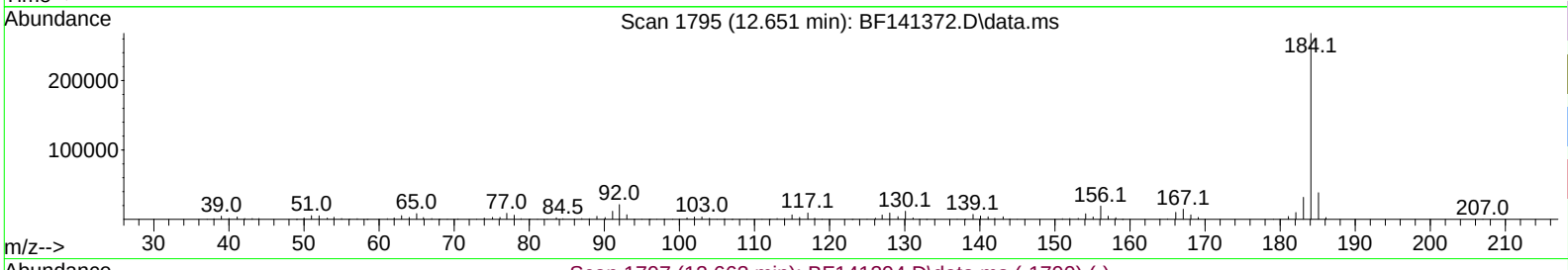
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	63.54
264.00	63.70	63.51
0.00	0.00	0.00

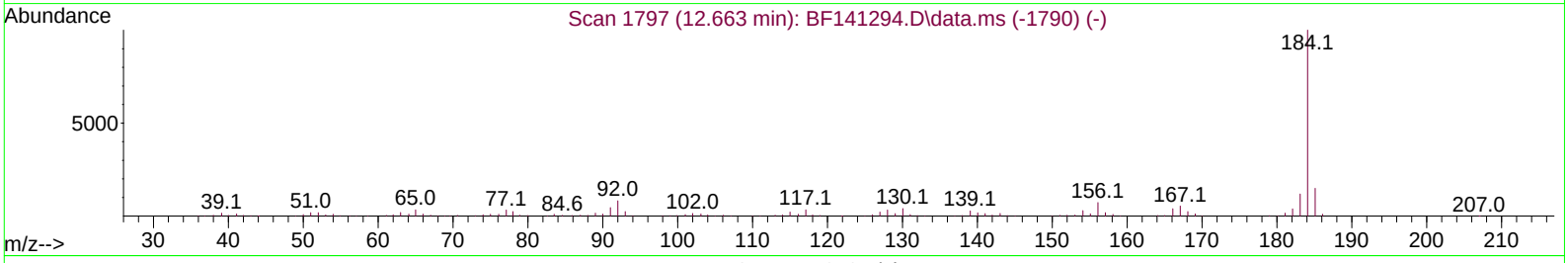
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141372.D
Acq On : 03 Feb 2025 16:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 04 05:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141372.D\data.ms

(77) Benzidine

12.651min (-0.012) 4251.31 ng

response 379432

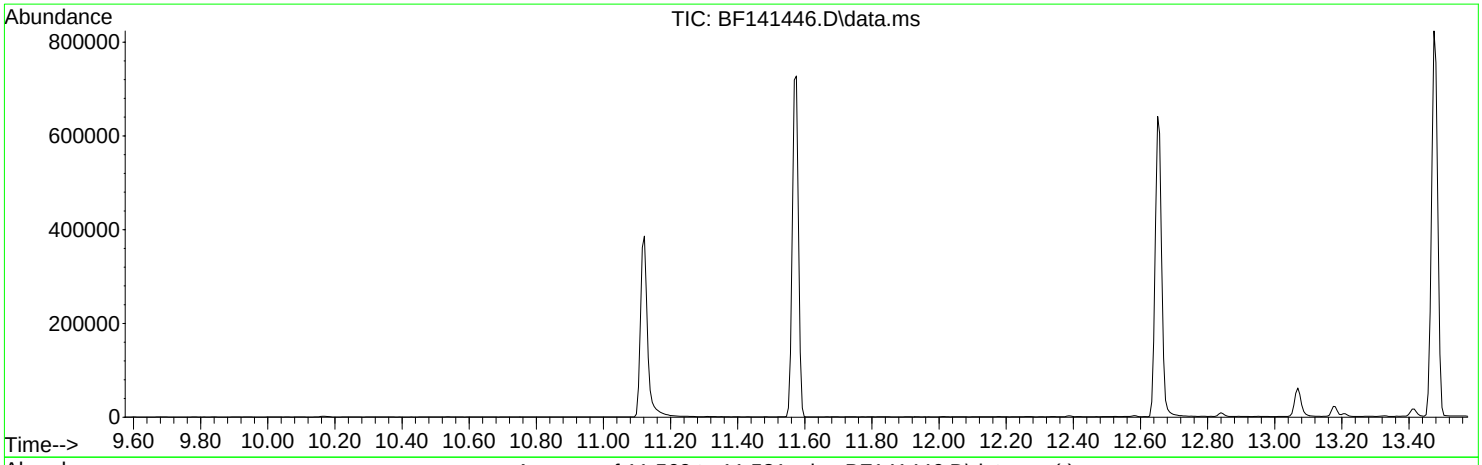
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.36
183.00	11.90	11.93
0.00	0.00	0.00

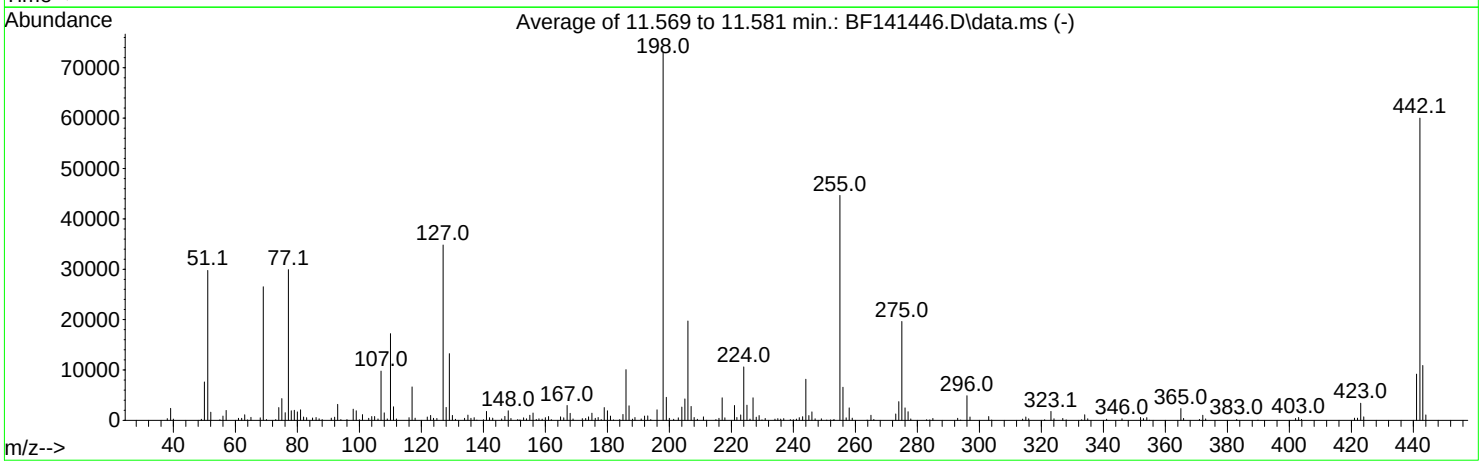
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025





AutoFind: Scans 1611, 1612, 1613; Background Corrected with Scan 1604

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	40.8	29779	PASS
68	69	0.00	2	1.9	505	PASS
69	198	0.00	100	36.3	26508	PASS
70	69	0.00	2	0.6	149	PASS
127	198	10	80	47.7	34819	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	73027	PASS
199	198	5	9	6.3	4572	PASS
275	198	10	60	26.9	19638	PASS
365	198	1	100	3.2	2360	PASS
441	198	0.01	100	12.6	9188	PASS
442	442	50	100	100.0	59989	PASS
443	442	15	24	18.2	10895	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

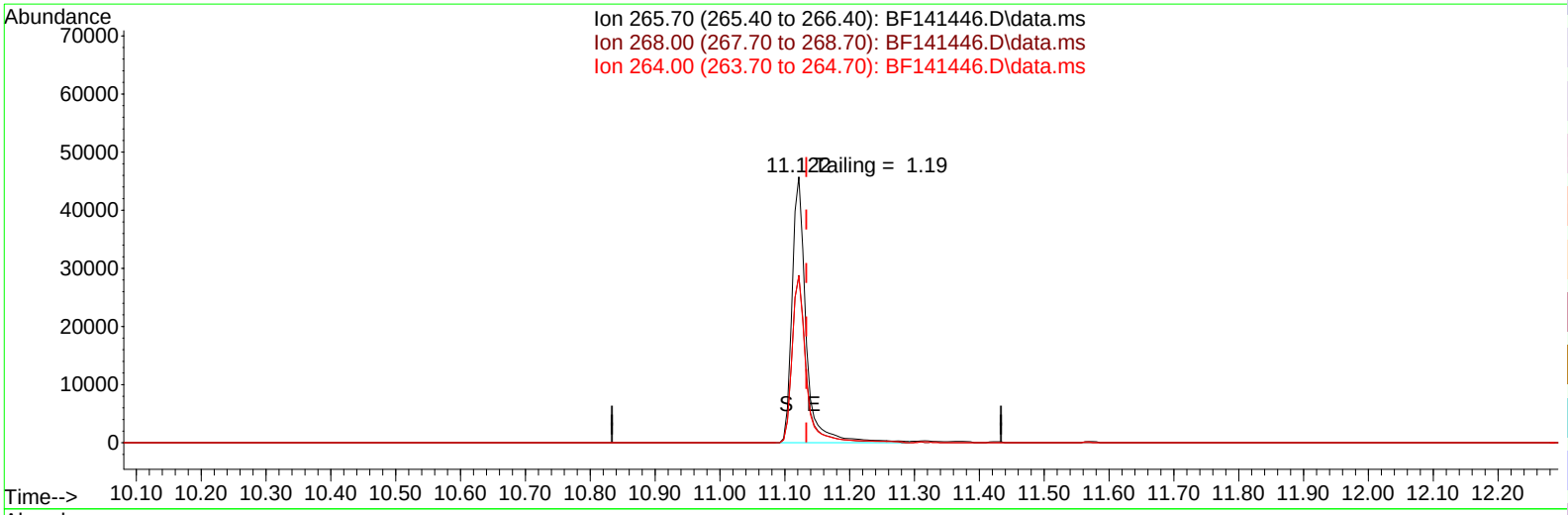
DDT Breakdown

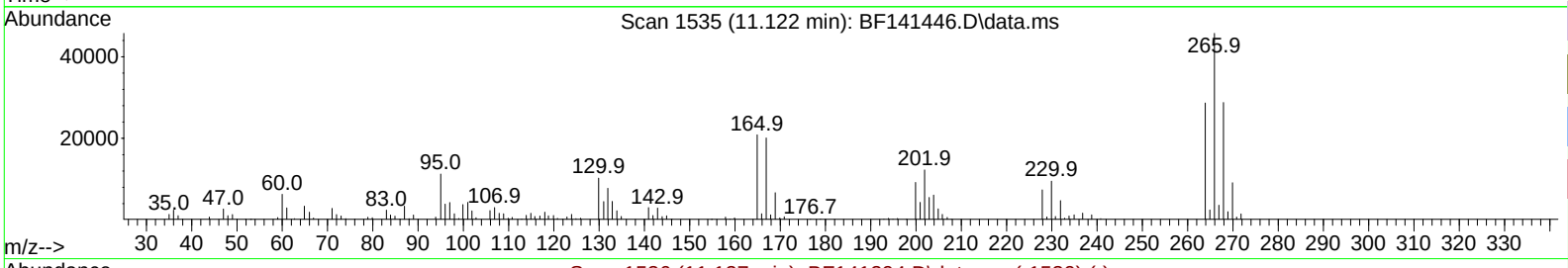
Date	Instrument Name	DFTPP Data File
2/5/2025	BNA_F	BF141446.D
Compound Name	**Response**	**Retention Time**
DDT	208681	13.475
DDD	8639	13.18
DDE	1933	12.839
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10572	219253	4.82

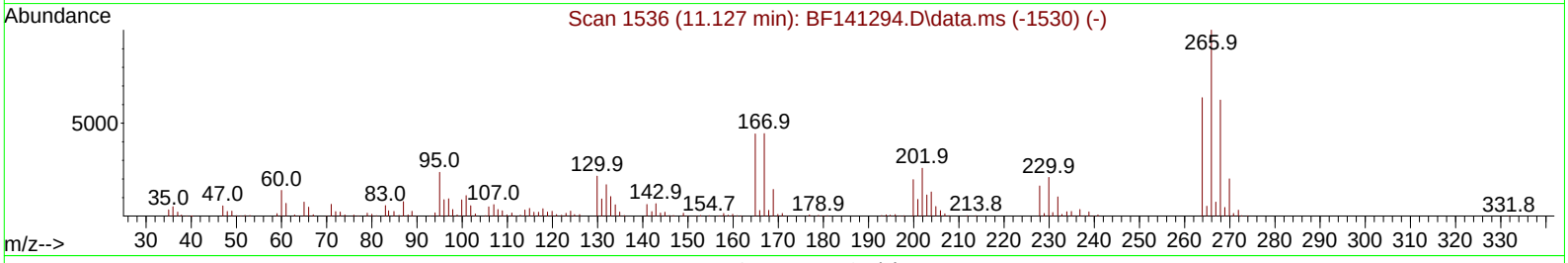
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 15:11:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141446.D\data.ms

(70) Pentachlorophenol (C)

11.122min (-0.012) 28277.45 ng

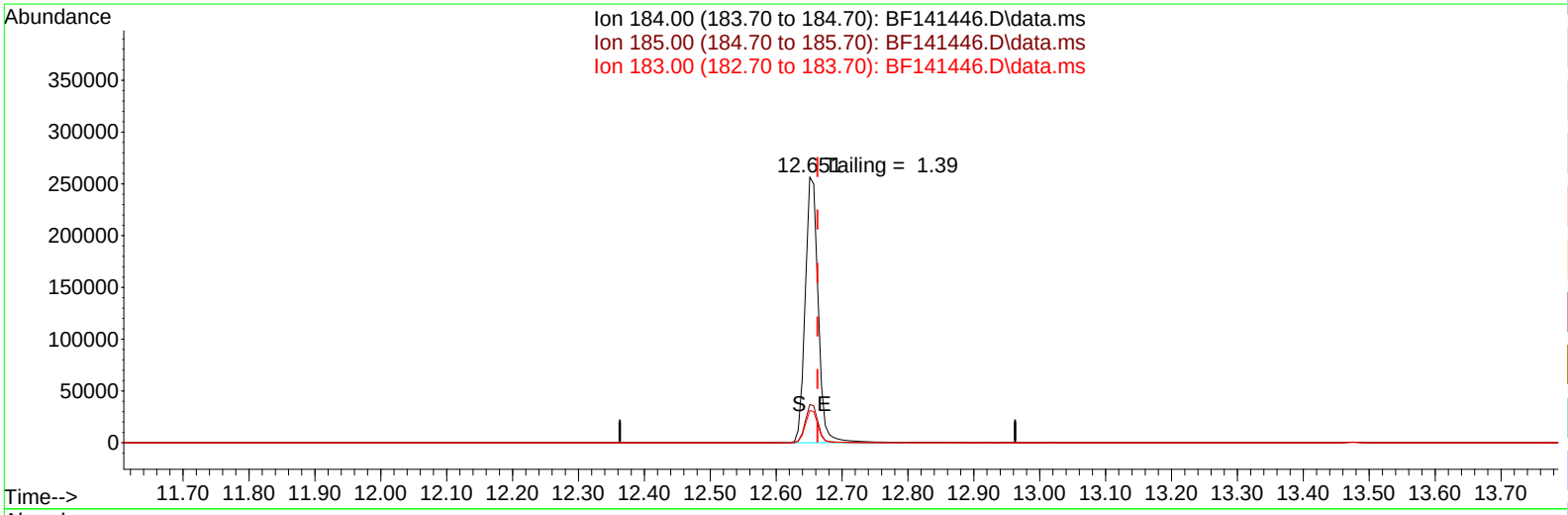
response 68825

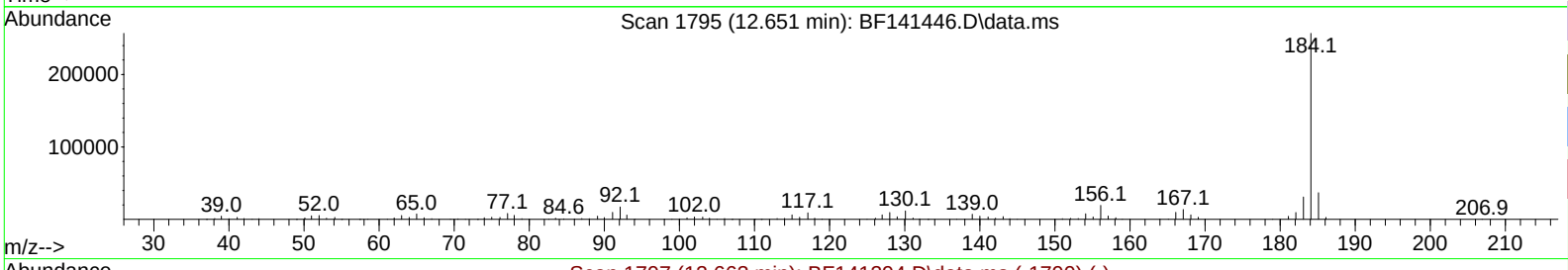
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.40	62.95
264.00	63.70	62.66
0.00	0.00	0.00

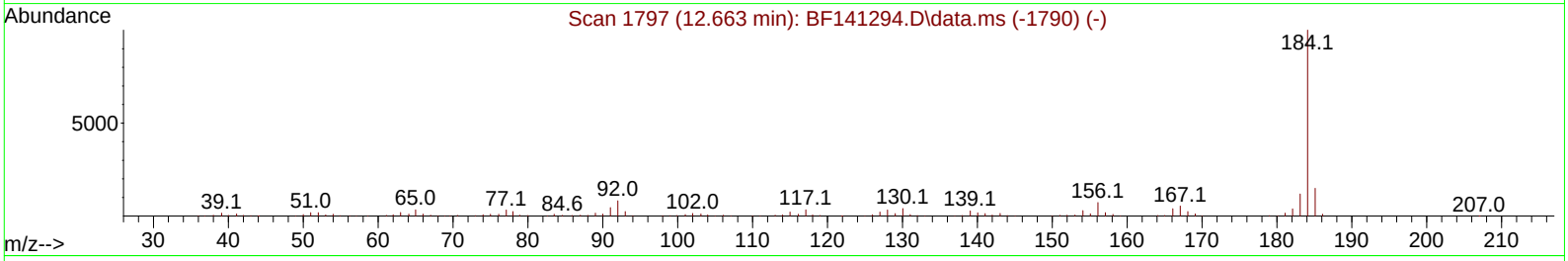
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141446.D
Acq On : 05 Feb 2025 14:50
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 05 15:11:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration







TIC: BF141446.D\data.ms

(77) Benzidine

12.651min (-0.012) 0.00 ng

response 352285

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.37
183.00	11.90	12.10
0.00	0.00	0.00

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BL	SDG No.:	Q1207
Lab Sample ID:	PB166335BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141374.D	1	01/29/25 08:40	02/03/25 17:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	U	180	330	ug/Kg
108-95-2	Phenol	170	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	170	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	170	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	90.8	170	ug/Kg
98-86-2	Acetophenone	170	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	170	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	170	U	90.7	170	ug/Kg
78-59-1	Isophorone	170	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	170	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	75.4	170	ug/Kg
91-20-3	Naphthalene	170	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	170	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	83.2	170	ug/Kg
105-60-2	Caprolactam	330	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	170	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	170	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	170	U	81.6	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BL	SDG No.:	Q1207
Lab Sample ID:	PB166335BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141374.D	1	01/29/25 08:40	02/03/25 17:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	170	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	170	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	330	U	120	330	ug/Kg
132-64-9	Dibenzofuran	170	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	170	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	85.5	170	ug/Kg
86-73-7	Fluorene	170	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	170	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	170	U	84.9	170	ug/Kg
1912-24-9	Atrazine	170	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	330	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	170	U	83.9	170	ug/Kg
120-12-7	Anthracene	170	U	84.3	170	ug/Kg
86-74-8	Carbazole	170	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	170	U	81.6	170	ug/Kg
129-00-0	Pyrene	170	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	80.6	170	ug/Kg
218-01-9	Chrysene	170	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	81.0	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BL	SDG No.:	Q1207
Lab Sample ID:	PB166335BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141374.D	1	01/29/25 08:40	02/03/25 17:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		18 - 112	96%	SPK: 150
13127-88-3	Phenol-d6	140		15 - 107	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	100.0		18 - 107	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.4		20 - 109	98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		10 - 116	105%	SPK: 150
1718-51-0	Terphenyl-d14	90.7		10 - 105	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90900	6.792			
1146-65-2	Naphthalene-d8	365000	8.075			
15067-26-2	Acenaphthene-d10	206000	9.827			
1517-22-2	Phenanthrene-d10	373000	11.316			
1719-03-5	Chrysene-d12	290000	13.957			
1520-96-3	Perylene-d12	251000	15.404			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	150	J		2.18	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.6	A		5.02	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC			Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR			Date Received:	
Client Sample ID:	PB166335BL			SDG No.:	Q1207
Lab Sample ID:	PB166335BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141374.D	1	01/29/25 08:40	02/03/25 17:41	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Quant Time: Feb 04 00:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

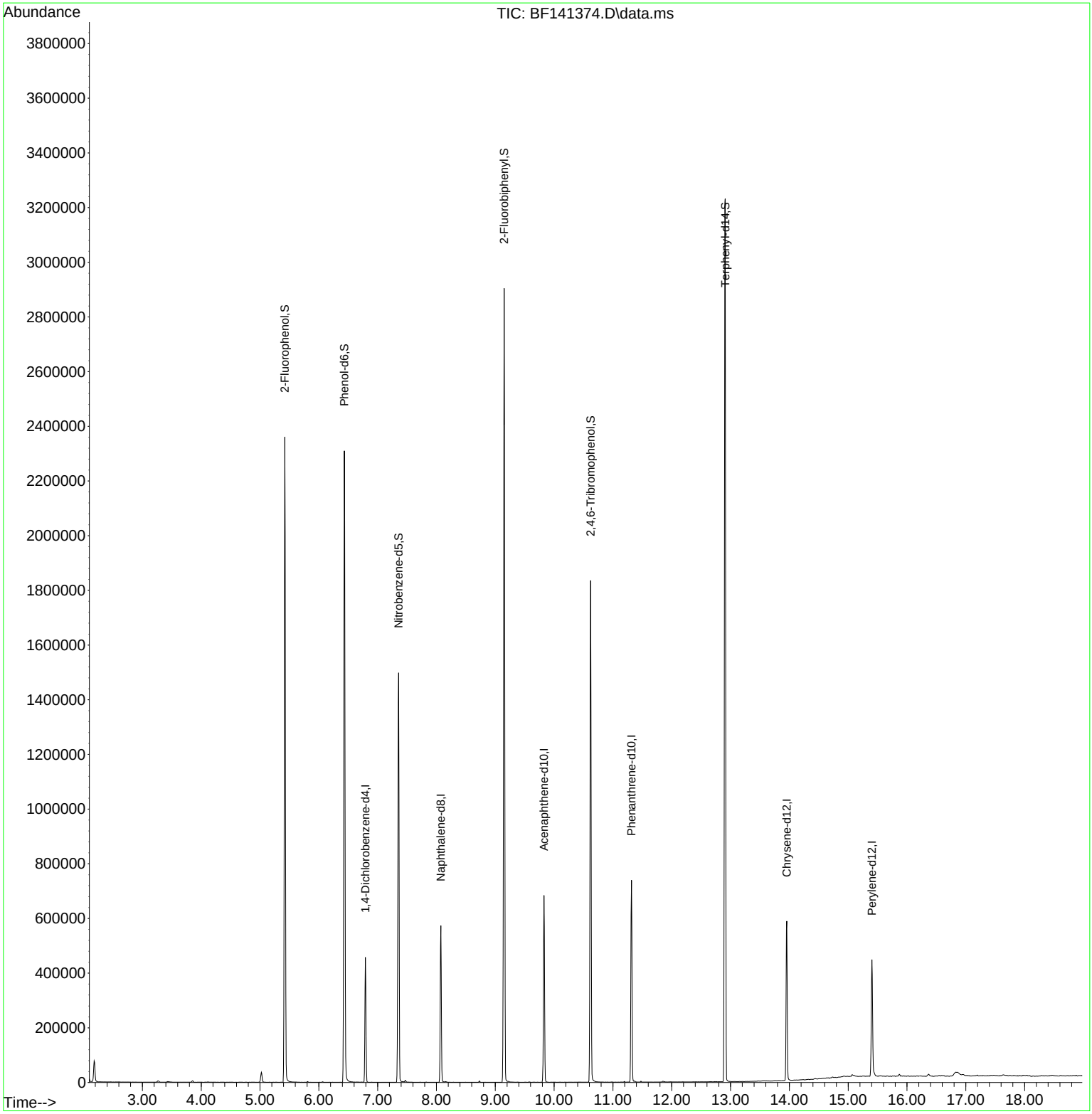
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	90939	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	365110	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	206122	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	372851	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	290144	20.000	ng	-0.02
86) Perylene-d12	15.404	264	250729	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	848585	143.255	ng	0.01
7) Phenol-d6	6.434	99	1051248	139.505	ng	0.00
23) Nitrobenzene-d5	7.357	82	692344	99.964	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	298509	157.969	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1317661	98.395	ng	-0.01
79) Terphenyl-d14	12.910	244	1706427	90.701	ng	0.00
Target Compounds						Qvalue

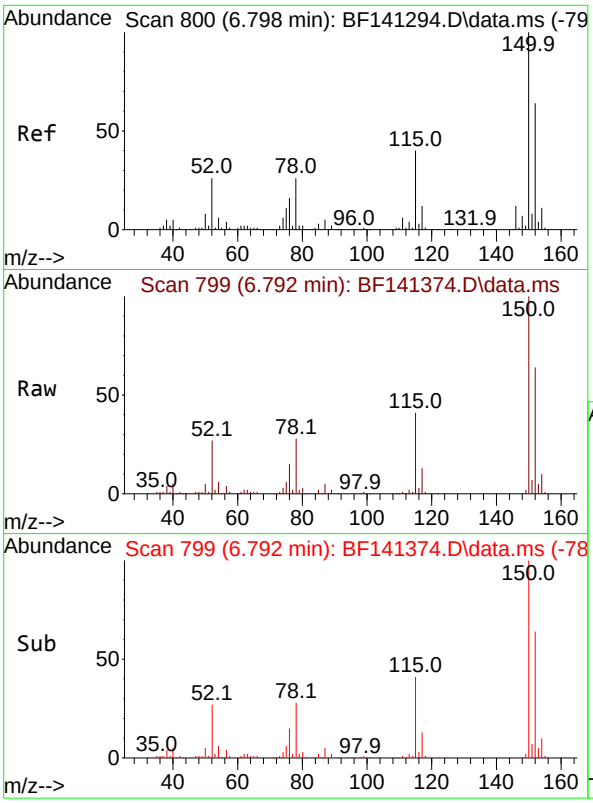
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Quant Time: Feb 04 00:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



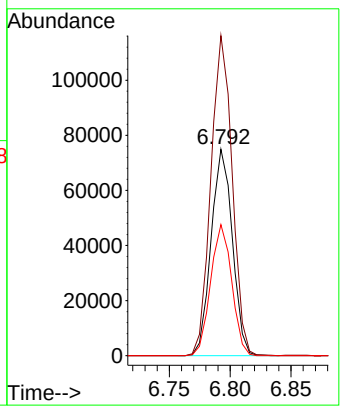


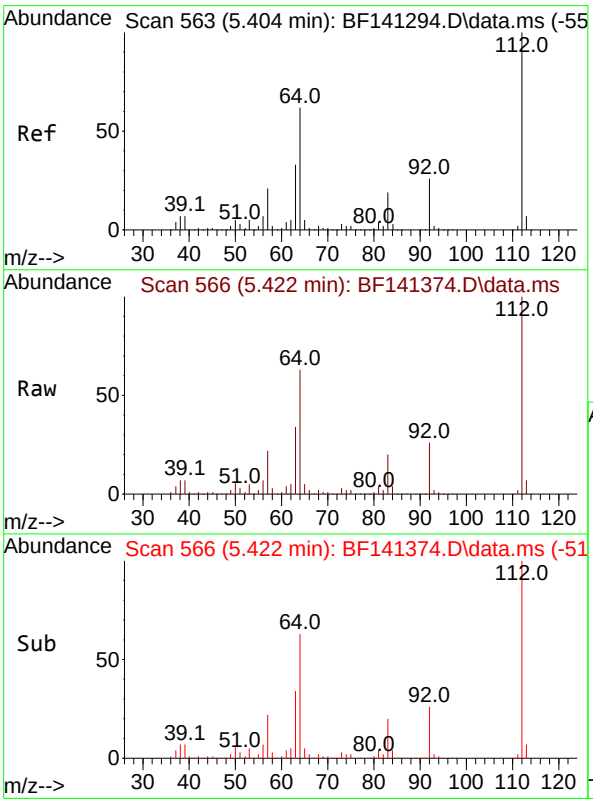
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion:152 Resp: 90939

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	63.5	49.7	74.5

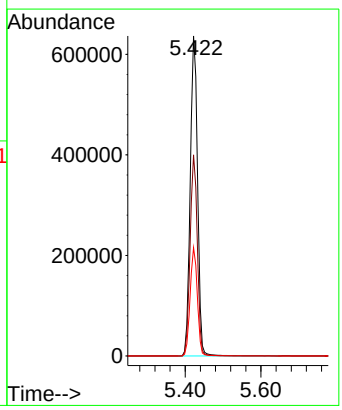


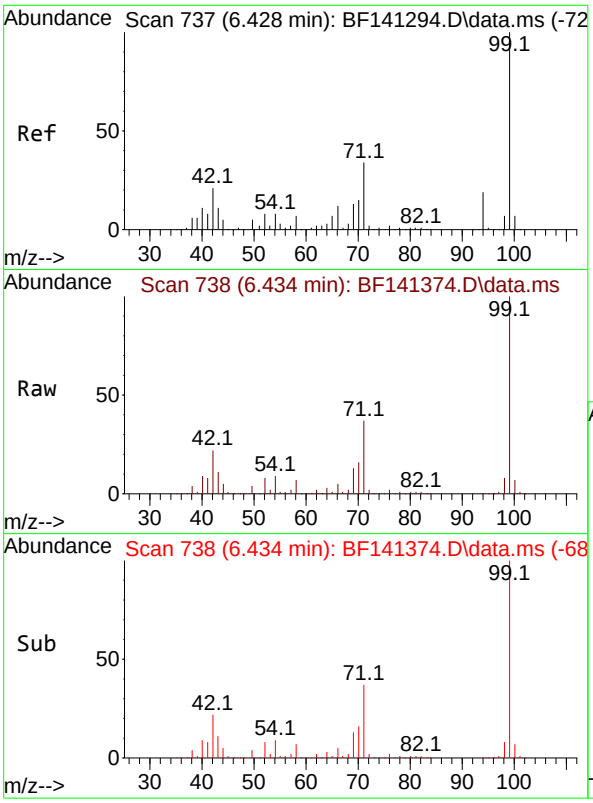


#5
2-Fluorophenol
Concen: 143.255 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:112 Resp: 848585

Ion	Ratio	Lower	Upper
112	100		
64	62.8	49.8	74.8
63	33.9	26.1	39.1



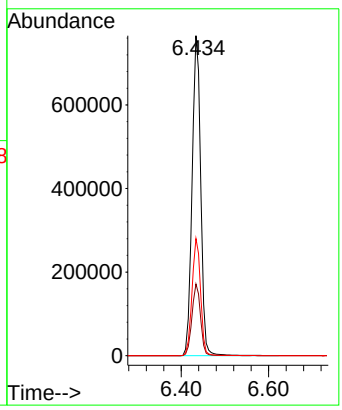


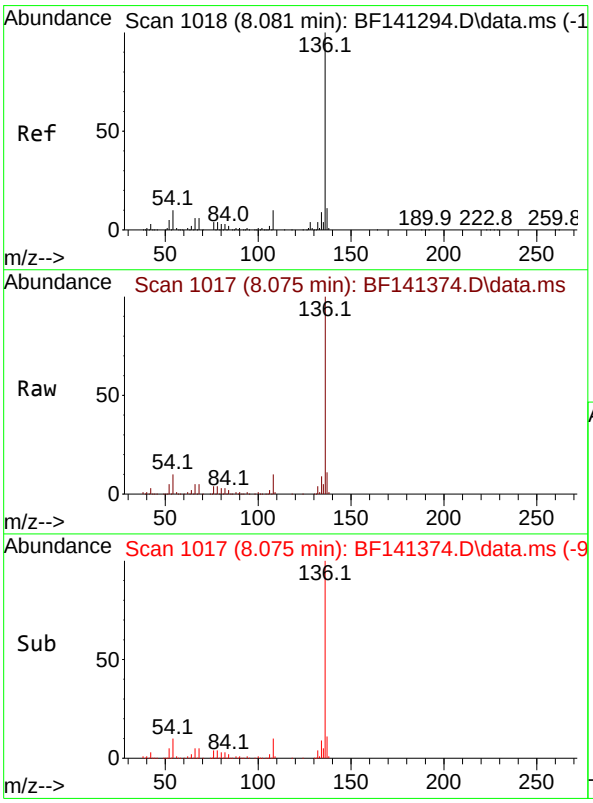
#7
Phenol-d6
Concen: 139.505 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion: 99 Resp: 1051248

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.1	25.7
71	36.6	26.9	40.3

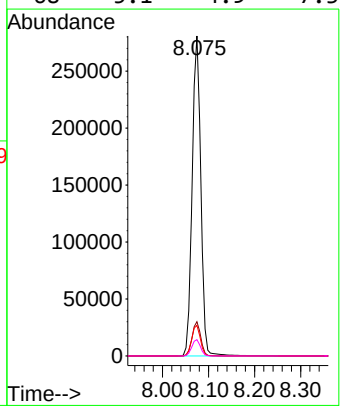


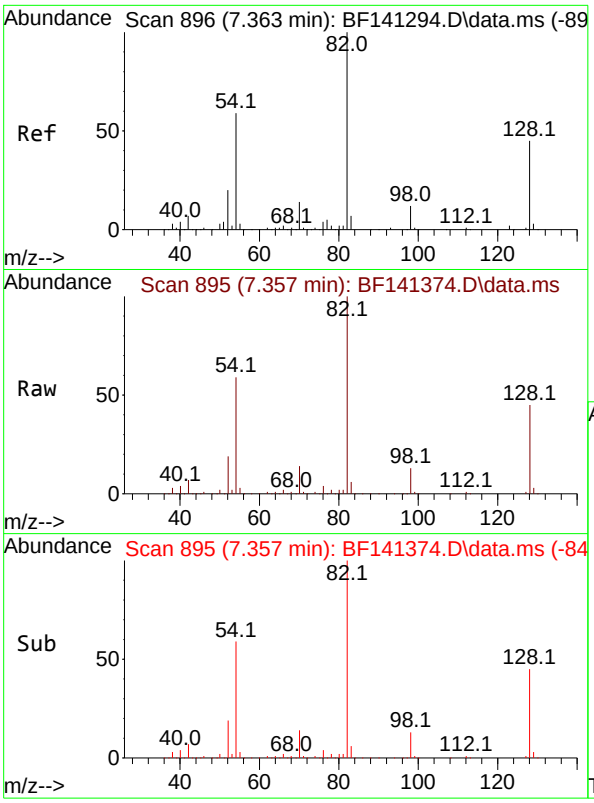


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:136 Resp: 365110

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.5	7.8	11.8
68	5.1	4.9	7.3



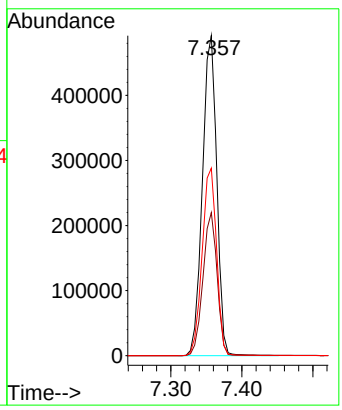


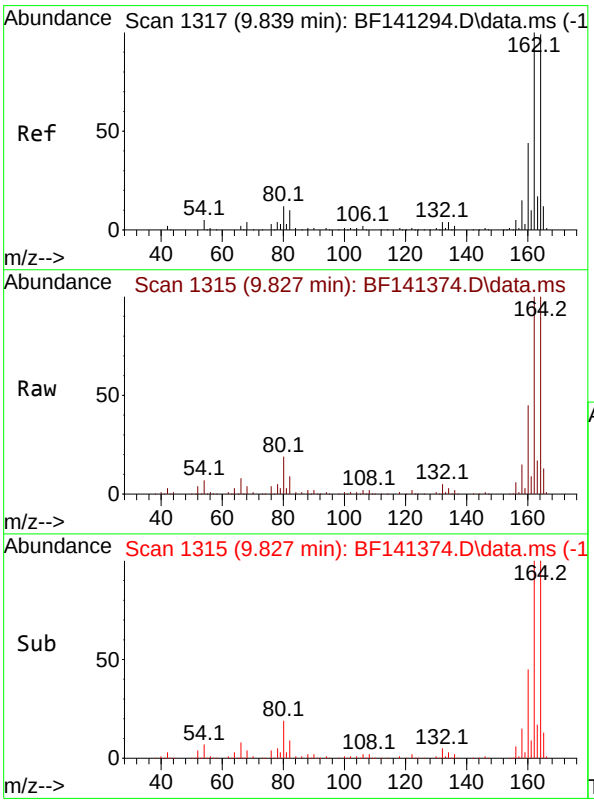
#23
Nitrobenzene-d5
Concen: 99.964 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion: 82 Resp: 692344

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.7	53.5
54	58.6	47.1	70.7

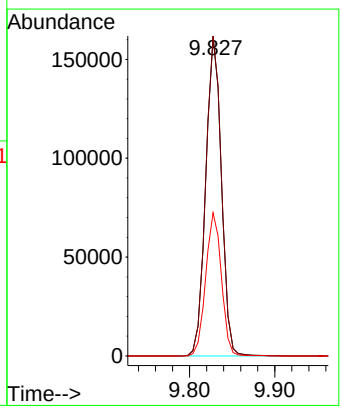


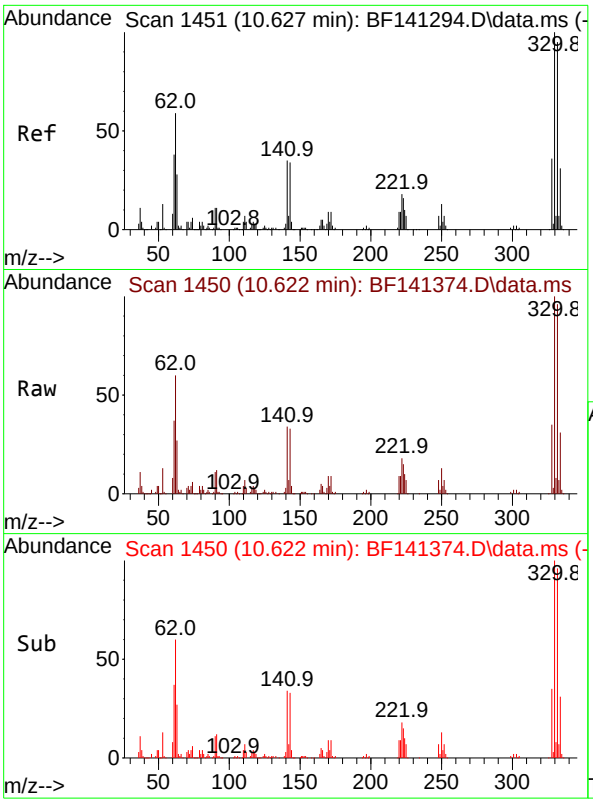


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:164 Resp: 206122

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	44.9	35.8	53.6



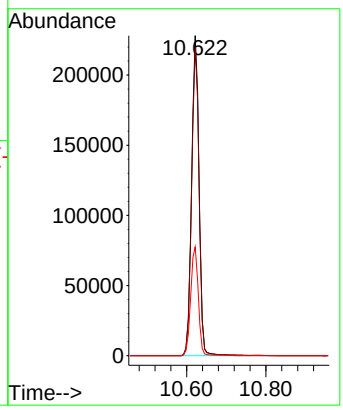


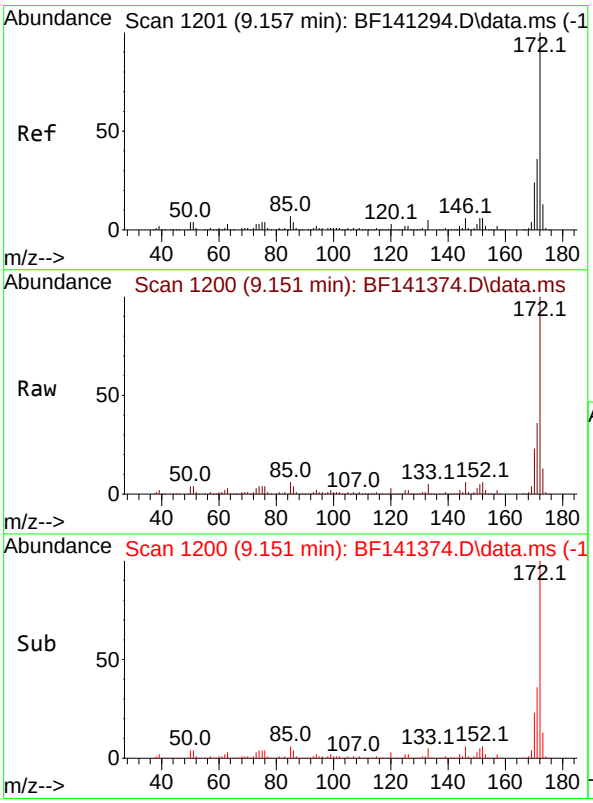
#42
2,4,6-Tribromophenol
Concen: 157.969 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion:330 Resp: 298509

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.1	114.1
141	34.9	28.8	43.2

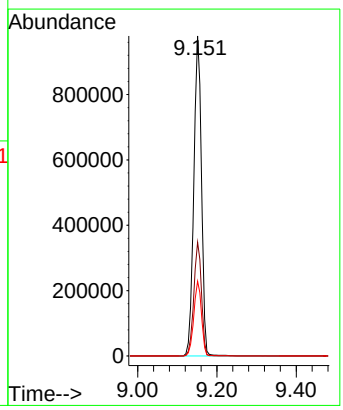


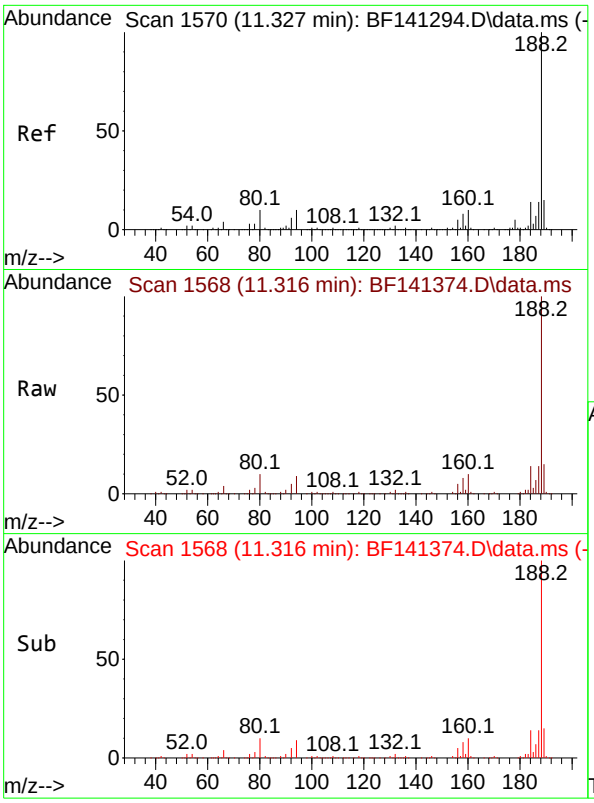


#45
2-Fluorobiphenyl
Concen: 98.395 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:172 Resp: 1317661

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.4	19.0	28.6



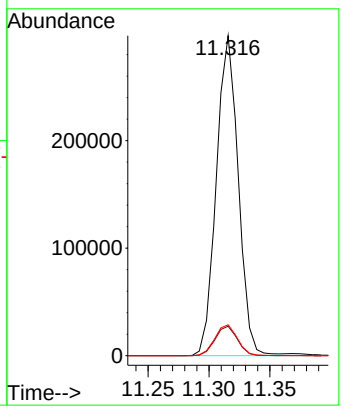


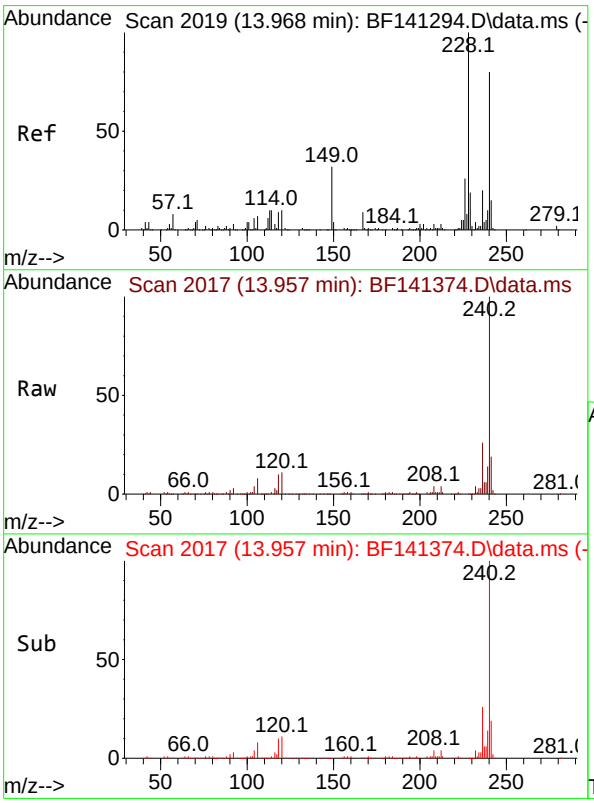
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion:188 Resp: 372851

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.8	11.6
80	9.6	8.2	12.4

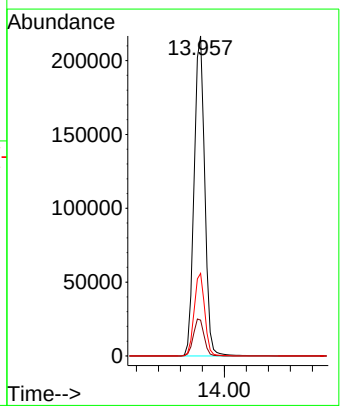


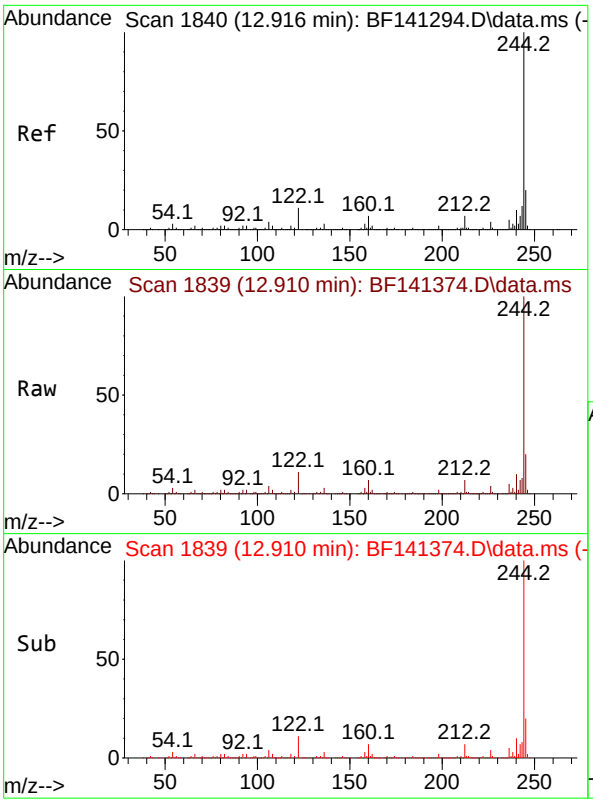


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:240 Resp: 290144

Ion	Ratio	Lower	Upper
240	100		
120	11.2	10.0	15.0
236	25.8	19.7	29.5



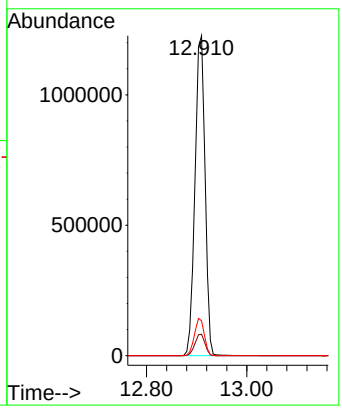


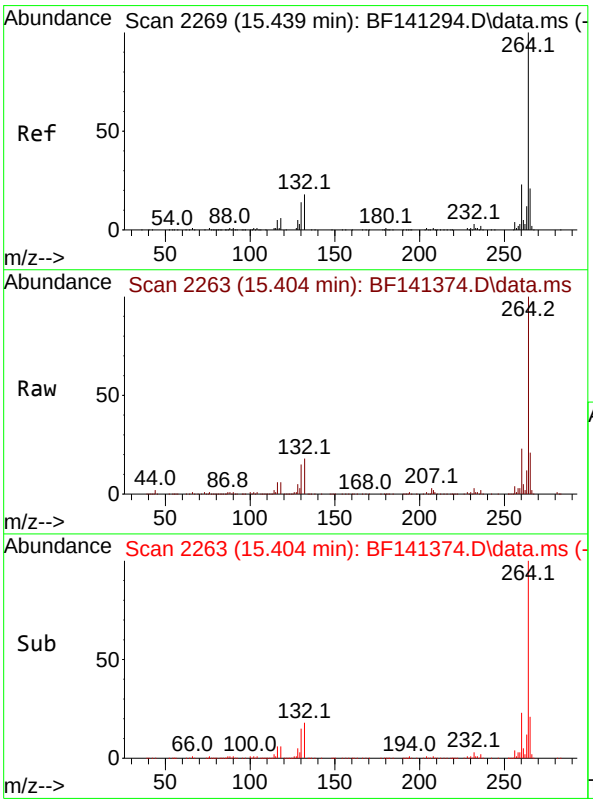
#79
Terphenyl-d14
Concen: 90.701 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Tgt Ion:244 Resp: 1706427

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.9	8.8	13.2

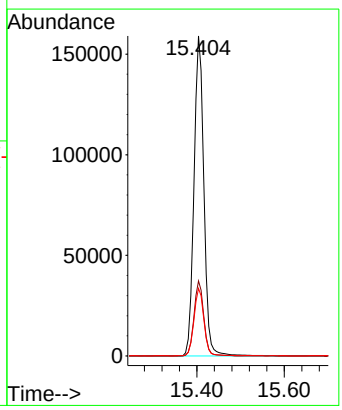




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.036 min
Lab File: BF141374.D
Acq: 03 Feb 2025 17:41

Tgt Ion:264 Resp: 250729

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.1	16.7	25.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141374.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	9	15	27	rVB	76900	124982	2.76%	0.522%
2	5.022	490	498	507	rBV	36359	58487	1.29%	0.244%
3	5.422	560	566	589	rBV	2359978	3119275	68.85%	13.032%
4	6.434	732	738	757	rBV	2309701	3173429	70.04%	13.258%
5	6.792	794	799	804	rBV	456819	551692	12.18%	2.305%
6	7.357	888	895	900	rBV	1497935	2098906	46.33%	8.769%
7	8.075	1011	1017	1028	rBV	573322	740137	16.34%	3.092%
8	9.151	1193	1200	1205	rBV	2903603	3860548	85.21%	16.129%
9	9.827	1309	1315	1331	rVB	683370	872201	19.25%	3.644%
10	10.622	1444	1450	1472	rBV	1835311	2423762	53.50%	10.126%
11	11.316	1563	1568	1575	rBV	738124	924772	20.41%	3.863%
12	12.910	1832	1839	1844	rBV	3229428	4530573	100.00%	18.928%
13	13.957	2011	2017	2031	rBV	583055	781091	17.24%	3.263%
14	15.404	2257	2263	2276	rBV	426447	676302	14.93%	2.825%

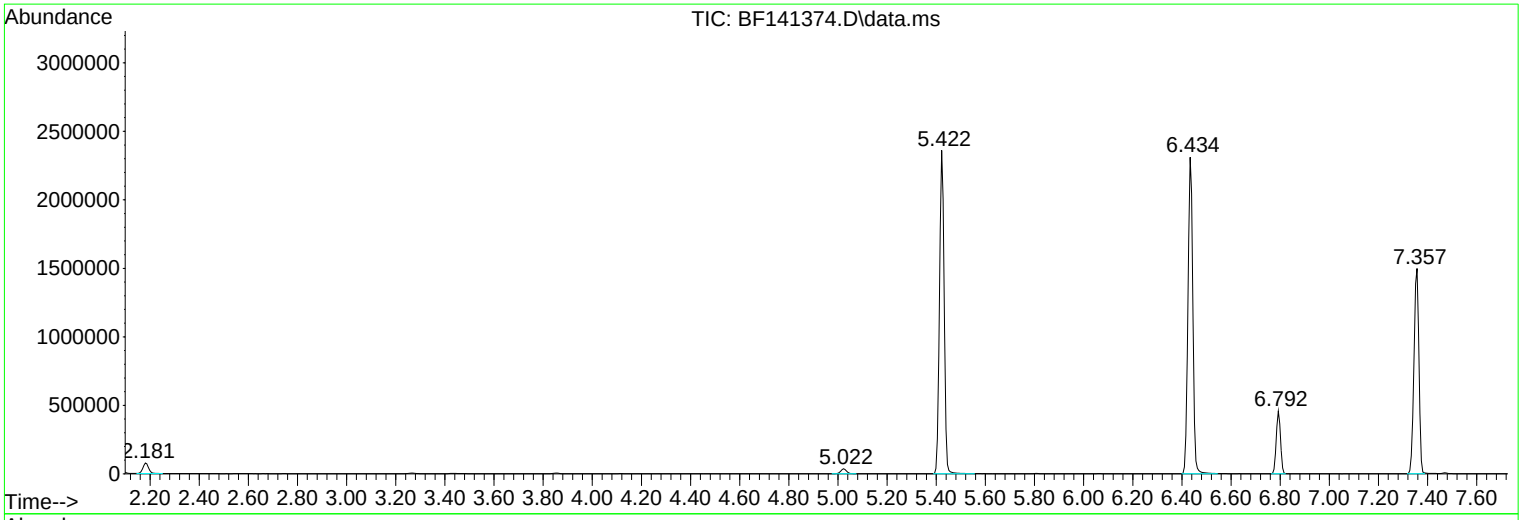
Sum of corrected areas: 23936157

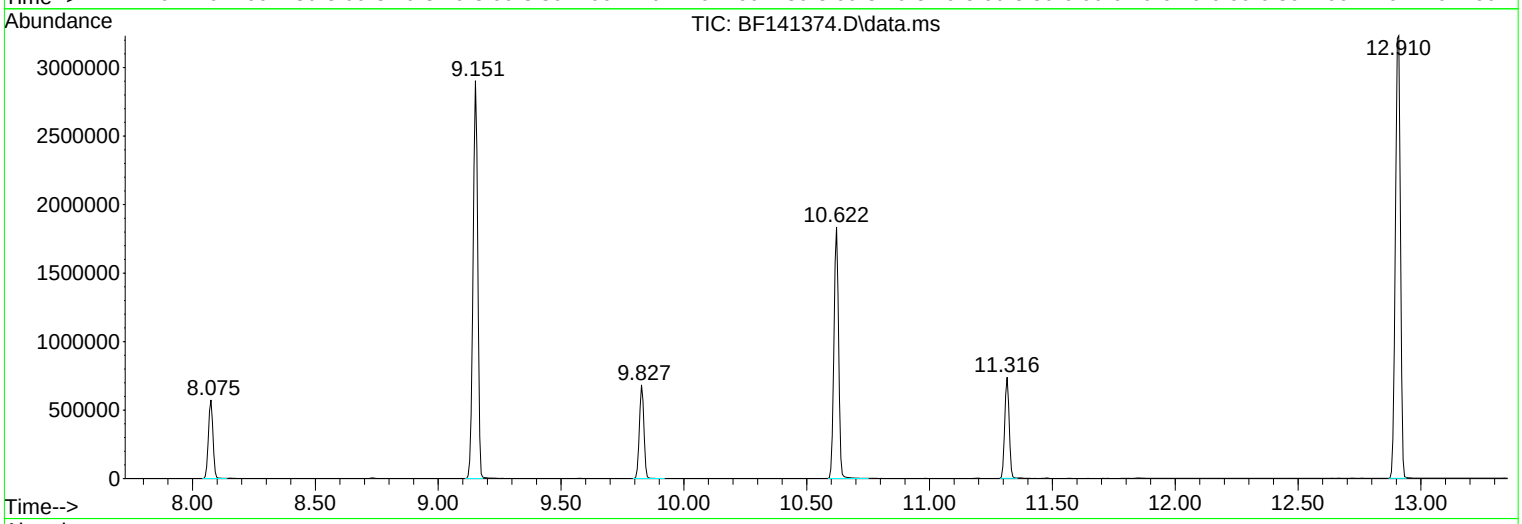
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

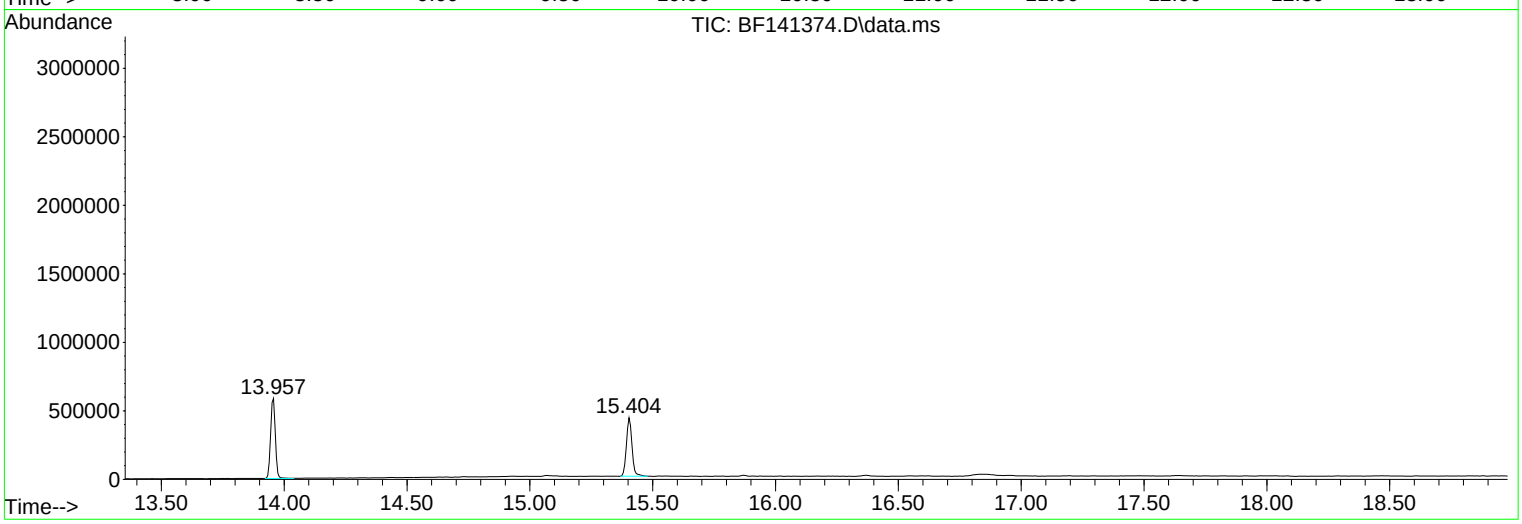
Instrument :
BNA_F
ClientSampleId :
PB166335BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

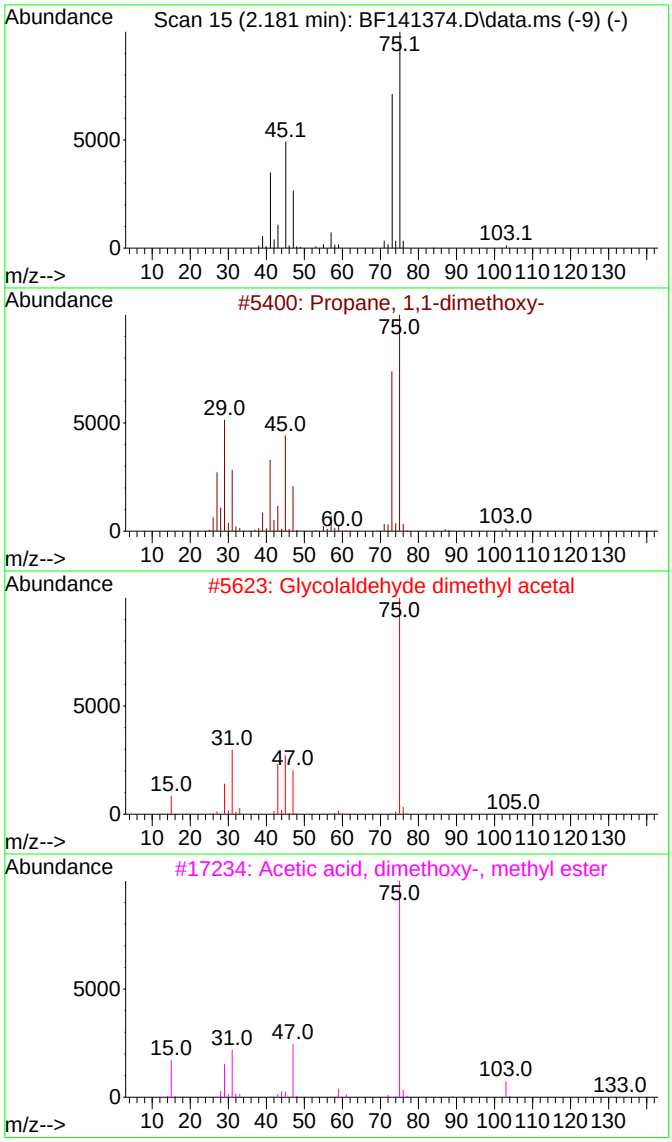
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

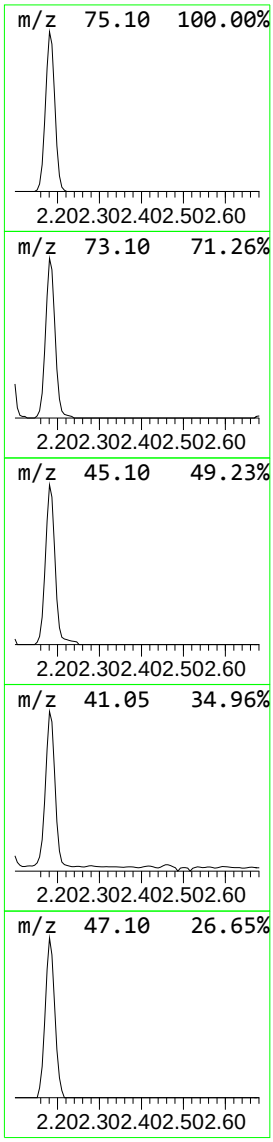
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	4.53 ng	124982	1,4-Dichlorobenzene-d4	6.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	45
3	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
4	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
5	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

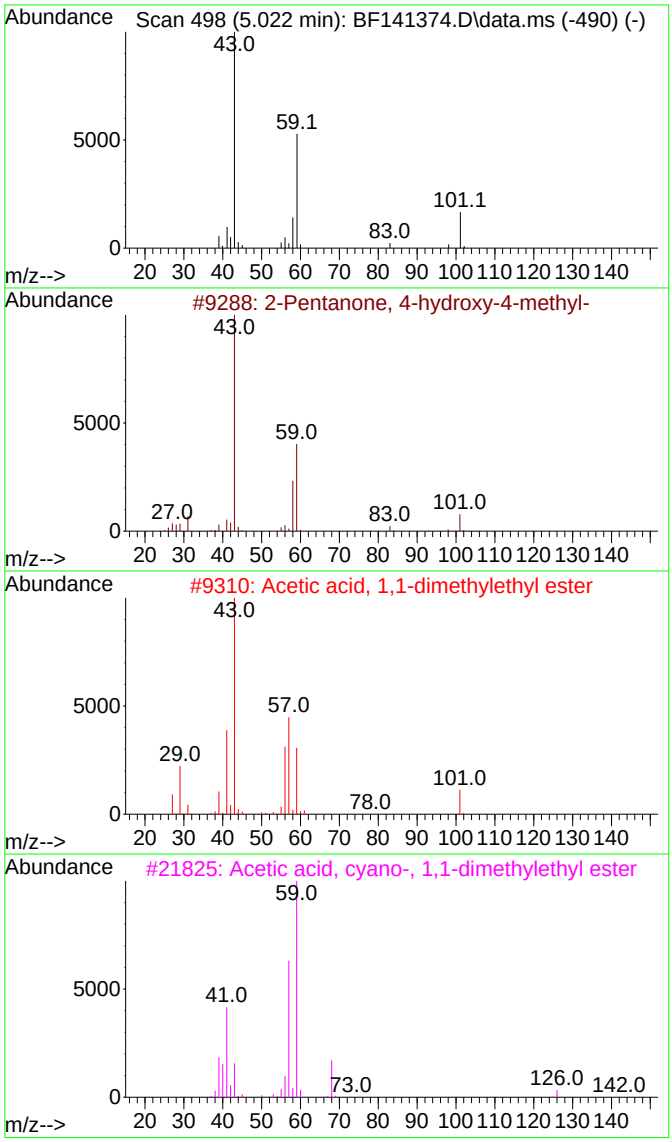
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

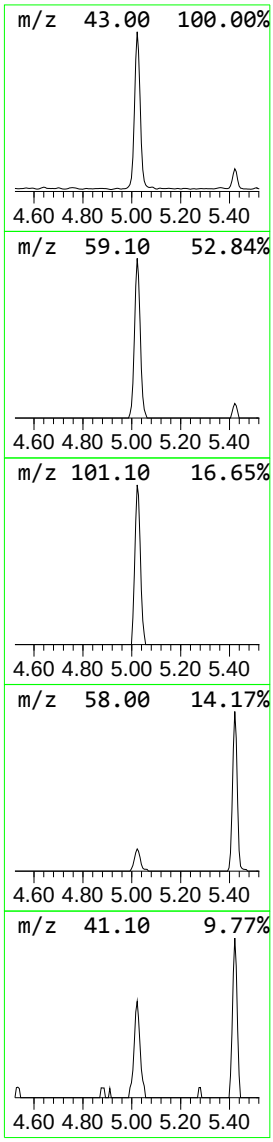
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.022	2.12 ng	58487	1,4-Dichlorobenzene-d4	6.792

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141374.D
Acq On : 03 Feb 2025 17:41
Operator : RC/JU
Sample : PB166335BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166335BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.181	4.5	ng	124982	1	6.792	551692	20.0
2-Pentanone, 4-...	5.022	2.1	ng	58487	1	6.792	551692	20.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BS	SDG No.:	Q1207
Lab Sample ID:	PB166335BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141303.D	1	01/29/25 08:40	01/30/25 09:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	J	180	330	ug/Kg
108-95-2	Phenol	1500		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1600		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.5	170	ug/Kg
91-20-3	Naphthalene	1500		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	790		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	170	ug/Kg
105-60-2	Caprolactam	1600		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5800	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BS	SDG No.:	Q1207
Lab Sample ID:	PB166335BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141303.D	1	01/29/25 08:40	01/30/25 09:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	970		89.2	170	ug/Kg
83-32-9	Acenaphthene	1600		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	170	ug/Kg
86-73-7	Fluorene	1400		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85.0	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1600		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1600		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1500		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	170	ug/Kg
218-01-9	Chrysene	1500		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	
Client Sample ID:	PB166335BS	SDG No.:	Q1207
Lab Sample ID:	PB166335BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141303.D	1	01/29/25 08:40	01/30/25 09:57	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	128		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		18 - 107	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.5		20 - 109	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		10 - 116	89%	SPK: 150
1718-51-0	Terphenyl-d14	88.2		10 - 105	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.798			
1146-65-2	Naphthalene-d8	578000	8.081			
15067-26-2	Acenaphthene-d10	315000	9.839			
1517-22-2	Phenanthrene-d10	527000	11.328			
1719-03-5	Chrysene-d12	325000	13.974			
1520-96-3	Perylene-d12	295000	15.451			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141303.D
Acq On : 30 Jan 2025 09:57
Operator : RC/JU
Sample : PB166335BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:37:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	142147	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	577653	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	314839	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	527268	20.000	ng	0.00
76) Chrysene-d12	13.974	240	325031	20.000	ng	0.00
86) Perylene-d12	15.451	264	295368	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1181966	127.654	ng	0.00
7) Phenol-d6	6.434	99	1505218	127.790	ng	0.00
23) Nitrobenzene-d5	7.363	82	963698	87.947	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	383541	132.881	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1707638	83.483	ng	0.00
79) Terphenyl-d14	12.916	244	1858083	88.161	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.593	88	163583	40.171	ng	100
3) Pyridine	3.316	79	421385	42.949	ng	99
4) n-Nitrosodimethylamine	3.269	42	263117	46.944	ng	97
6) Aniline	6.463	93	427874	42.913	ng	97
8) 2-Chlorophenol	6.581	128	474531	47.816	ng	98
9) Benzaldehyde	6.346	77	45932	6.732	ng	98
10) Phenol	6.446	94	570700	45.706	ng	93
11) bis(2-Chloroethyl)ether	6.540	93	445684	46.553	ng	98
12) 1,3-Dichlorobenzene	6.740	146	474543	43.367	ng	99
13) 1,4-Dichlorobenzene	6.816	146	481842	43.833	ng	100
14) 1,2-Dichlorobenzene	6.969	146	463668	45.045	ng	99
15) Benzyl Alcohol	6.940	79	401126	49.832	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	794288	47.711	ng	99
17) 2-Methylphenol	7.051	107	379334	47.030	ng	98
18) Hexachloroethane	7.310	117	179539	44.272	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	318811	45.551	ng	96
20) 3+4-Methylphenols	7.204	107	449643	45.403	ng	98
22) Acetophenone	7.210	105	607690	44.258	ng	99
24) Nitrobenzene	7.381	77	489014	43.064	ng	98
25) Isophorone	7.622	82	891594	47.071	ng	99
26) 2-Nitrophenol	7.698	139	248620	46.424	ng	99
27) 2,4-Dimethylphenol	7.734	122	379040	55.605	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	551443	45.641	ng	99
29) 2,4-Dichlorophenol	7.940	162	386907	46.364	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	396349	41.588	ng	100
31) Naphthalene	8.104	128	1340862	43.940	ng	100
32) Benzoic acid	7.857	122	300455	47.947	ng	98
33) 4-Chloroaniline	8.151	127	244684	23.645	ng	99
34) Hexachlorobutadiene	8.222	225	242199	43.336	ng	98
35) Caprolactam	8.522	113	130013m	47.704	ng	
36) 4-Chloro-3-methylphenol	8.634	107	423183	47.276	ng	97
37) 2-Methylnaphthalene	8.792	142	874025	45.064	ng	99
38) 1-Methylnaphthalene	8.892	142	813150	42.680	ng	99
40) 1,2,4,5-Tetrachloroben...	8.963	216	384554	42.934	ng	99
41) Hexachlorocyclopentadiene	8.945	237	461572	174.494	ng	99
43) 2,4,6-Trichlorophenol	9.075	196	268317	45.768	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141303.D
Acq On : 30 Jan 2025 09:57
Operator : RC/JU
Sample : PB166335BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 10:37:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	289410	45.357	ng	99
46) 1,1'-Biphenyl	9.263	154	1078473	43.923	ng	100
47) 2-Chloronaphthalene	9.286	162	809908	42.319	ng	99
48) 2-Nitroaniline	9.381	65	281360	46.739	ng	99
49) Acenaphthylene	9.698	152	1258307	46.969	ng	100
50) Dimethylphthalate	9.569	163	966609	45.457	ng	100
51) 2,6-Dinitrotoluene	9.628	165	219062	44.369	ng	98
52) Acenaphthene	9.875	154	940752	49.154	ng	100
53) 3-Nitroaniline	9.792	138	140948	29.127	ng	100
54) 2,4-Dinitrophenol	9.904	184	234093	101.996	ng	98
55) Dibenzofuran	10.045	168	1136446	44.361	ng	99
56) 4-Nitrophenol	9.957	139	348173	98.382	ng	96
57) 2,4-Dinitrotoluene	10.034	165	293904	45.977	ng	95
58) Fluorene	10.392	166	861135	43.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	239637	47.738	ng	98
60) Diethylphthalate	10.269	149	928855	45.051	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	420967	43.368	ng	99
62) 4-Nitroaniline	10.410	138	224393	47.166	ng	99
63) Azobenzene	10.545	77	945659	45.821	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	162763	52.188	ng	99
66) n-Nitrosodiphenylamine	10.504	169	784521	46.003	ng	99
67) 4-Bromophenyl-phenylether	10.875	248	267408	45.301	ng	97
68) Hexachlorobenzene	10.939	284	283607	45.293	ng	97
69) Atrazine	11.033	200	275531	48.323	ng	98
70) Pentachlorophenol	11.133	266	344451	93.942	ng	98
71) Phenanthrene	11.351	178	1340804	47.307	ng	100
72) Anthracene	11.404	178	1357047	48.866	ng	100
73) Carbazole	11.557	167	1181478	47.979	ng	99
74) Di-n-butylphthalate	11.892	149	1439854	48.248	ng	100
75) Fluoranthene	12.539	202	1361167	48.639	ng	99
77) Benzidine	12.663	184	389988	37.427	ng	100
78) Pyrene	12.769	202	1385347	44.402	ng	100
80) Butylbenzylphthalate	13.392	149	533265	48.924	ng	98
81) Benzo(a)anthracene	13.963	228	1000704	44.617	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	179099	25.107	ng	99
83) Chrysene	14.004	228	936429	45.556	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	658277	47.608	ng	100
85) Di-n-octyl phthalate	14.598	149	1053803	49.069	ng	99
87) Indeno(1,2,3-cd)pyrene	16.910	276	929302	48.747	ng	100
88) Benzo(b)fluoranthene	15.033	252	866127	46.618	ng	100
89) Benzo(k)fluoranthene	15.063	252	842115	51.164	ng	100
90) Benzo(a)pyrene	15.392	252	806465	51.366	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	745849	48.629	ng	99
92) Benzo(g,h,i)perylene	17.351	276	706279	44.287	ng	100

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

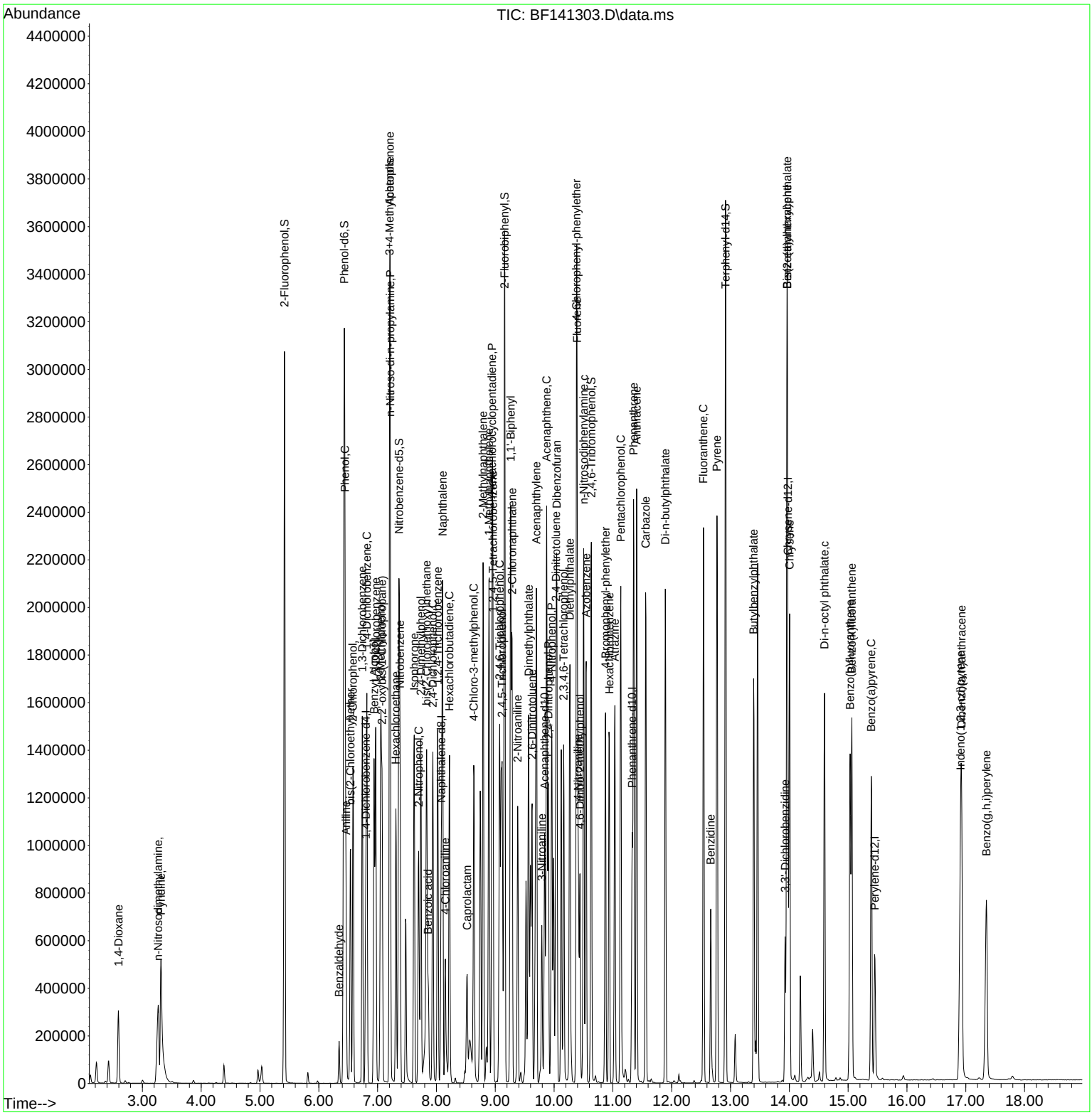
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141303.D
Acq On : 30 Jan 2025 09:57
Operator : RC/JU
Sample : PB166335BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

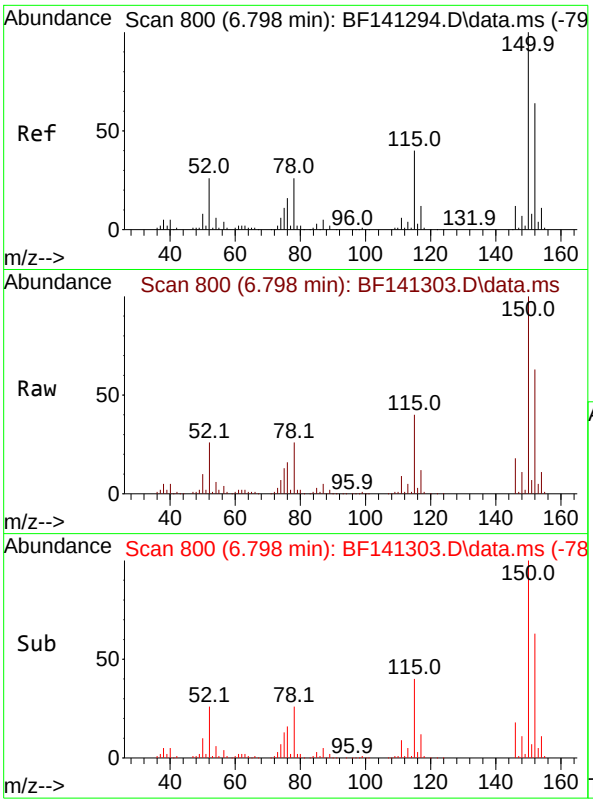
Quant Time: Jan 30 10:37:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

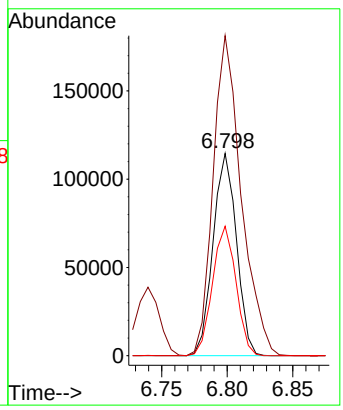




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:152 Resp: 14214

Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.9	188.9
115	64.0	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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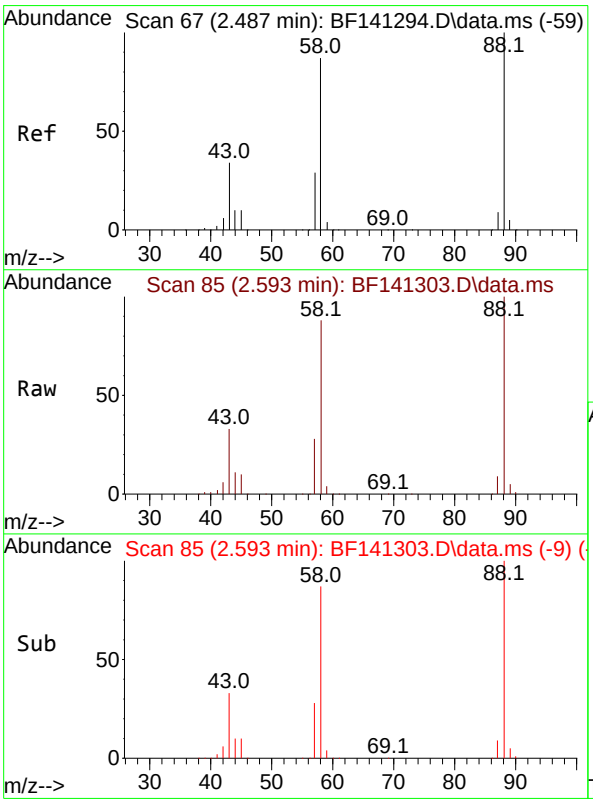
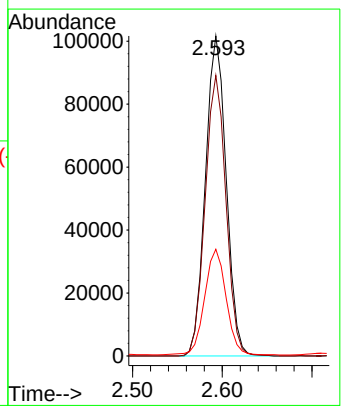
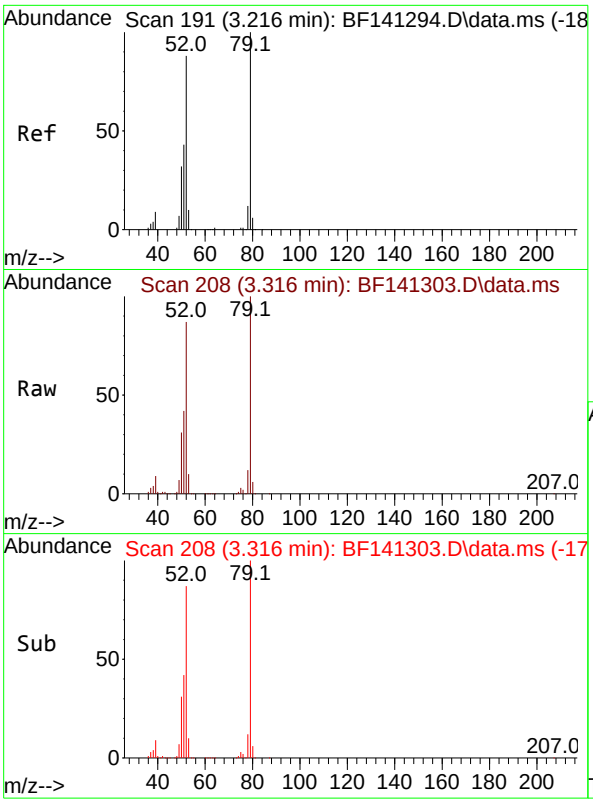


#2
1,4-Dioxane
Concen: 40.171 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.100 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 88 Resp: 163583

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.2	27.6	41.4

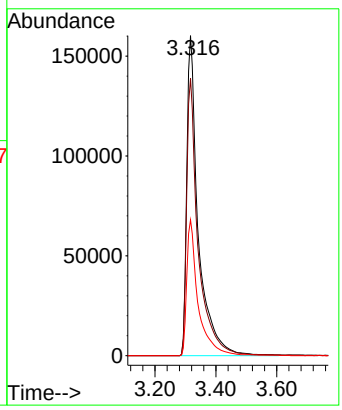




#3
Pyridine
Concen: 42.949 ng
RT: 3.316 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 79 Resp: 42138

Ion	Ratio	Lower	Upper
79	100		
52	86.7	70.3	105.5
51	42.4	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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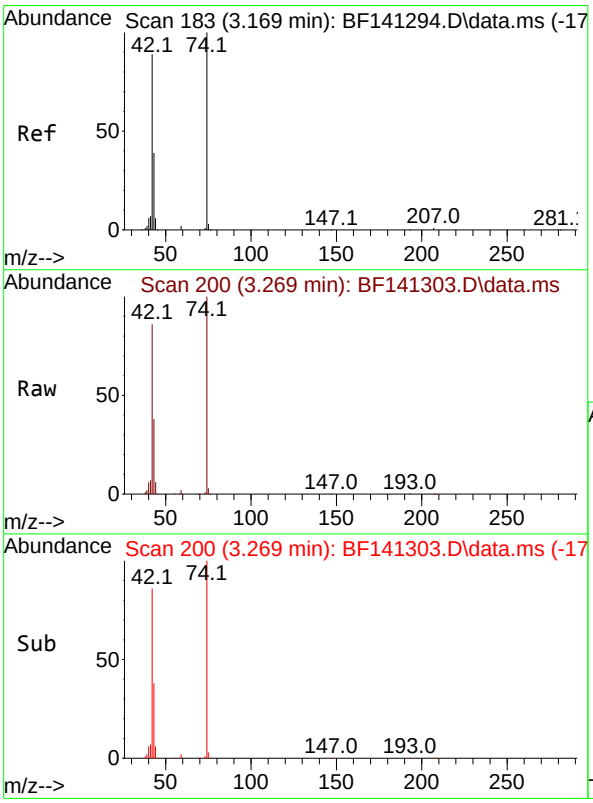
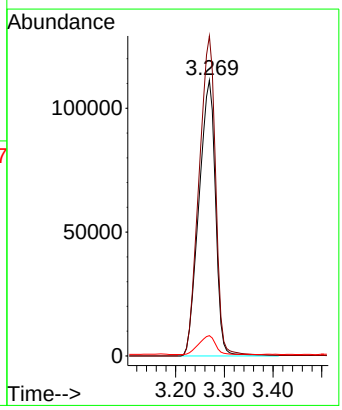
Supervised By :mohammad ahmed 01/31/2025

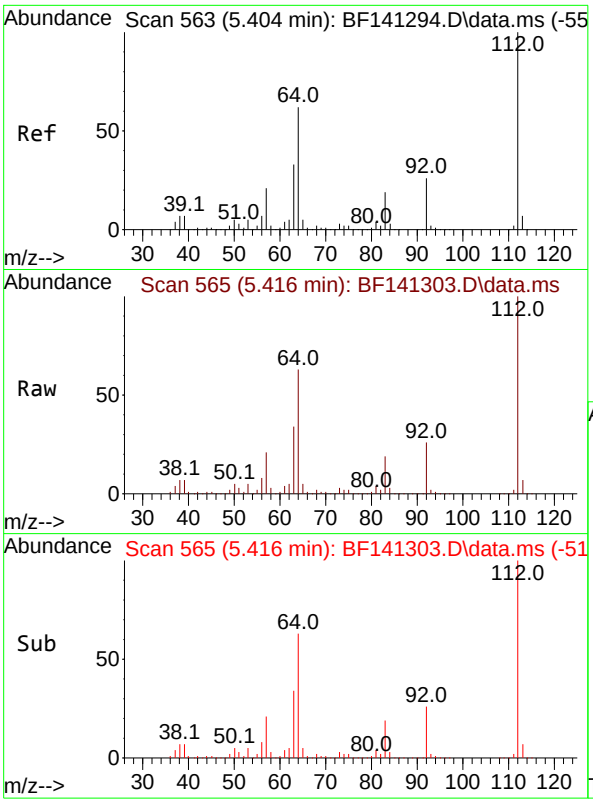


#4
n-Nitrosodimethylamine
Concen: 46.944 ng
RT: 3.269 min Scan# 200
Delta R.T. 0.071 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 42 Resp: 263117

Ion	Ratio	Lower	Upper
42	100		
74	116.1	90.3	135.5
44	7.4	5.7	8.5

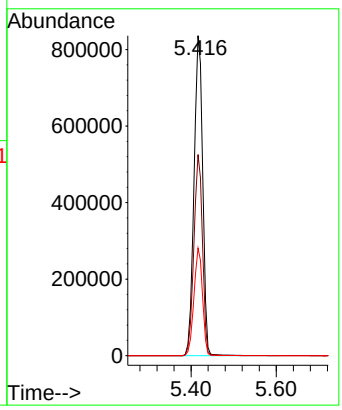




#5
2-Fluorophenol
Concen: 127.654 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:112 Resp: 118196

Ion	Ratio	Lower	Upper
112	100		
64	62.9	49.8	74.8
63	33.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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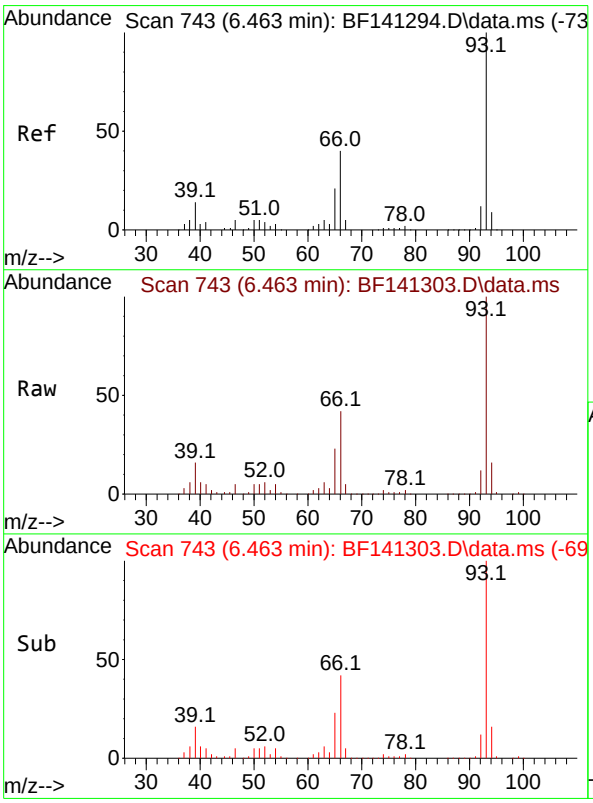
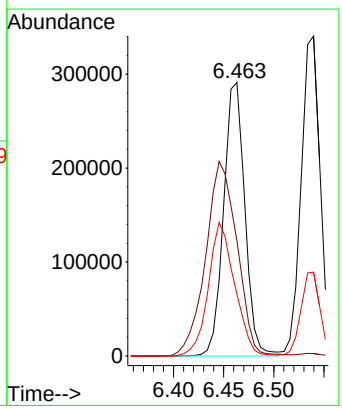
Supervised By :mohammad ahmed 01/31/2025

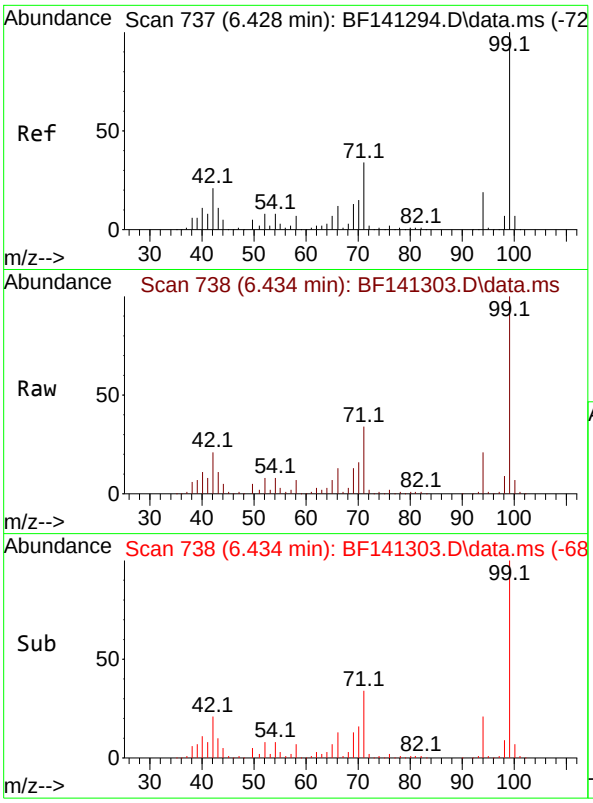


#6
Aniline
Concen: 42.913 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 93 Resp: 427874

Ion	Ratio	Lower	Upper
93	100		
66	42.1	32.5	48.7
65	22.6	17.0	25.6

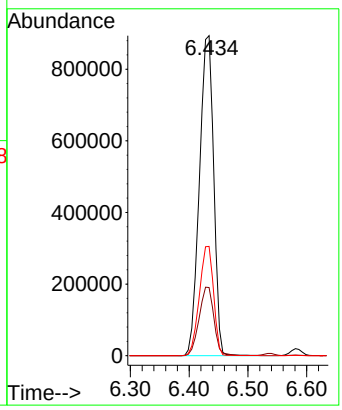




#7
Phenol-d6
Concen: 127.790 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 99 Resp: 150521

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.1	25.7
71	34.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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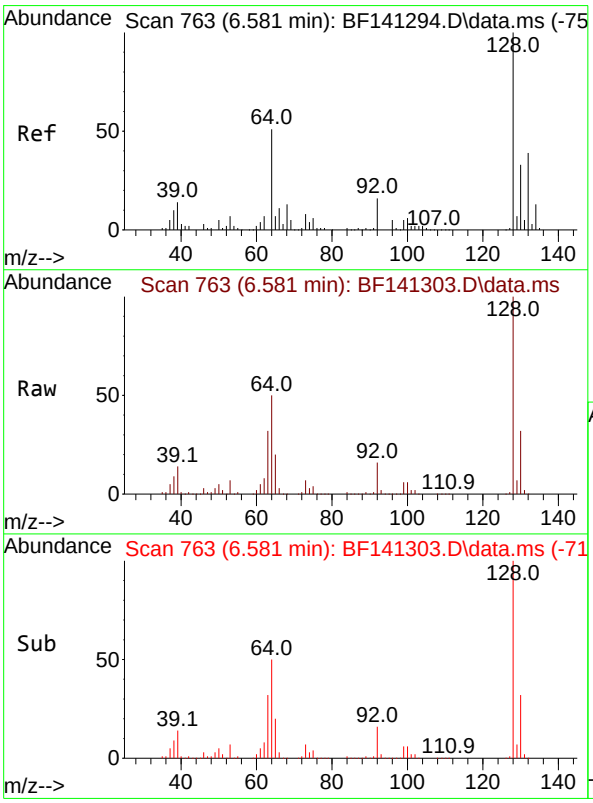
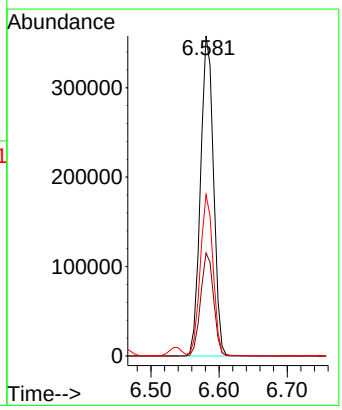
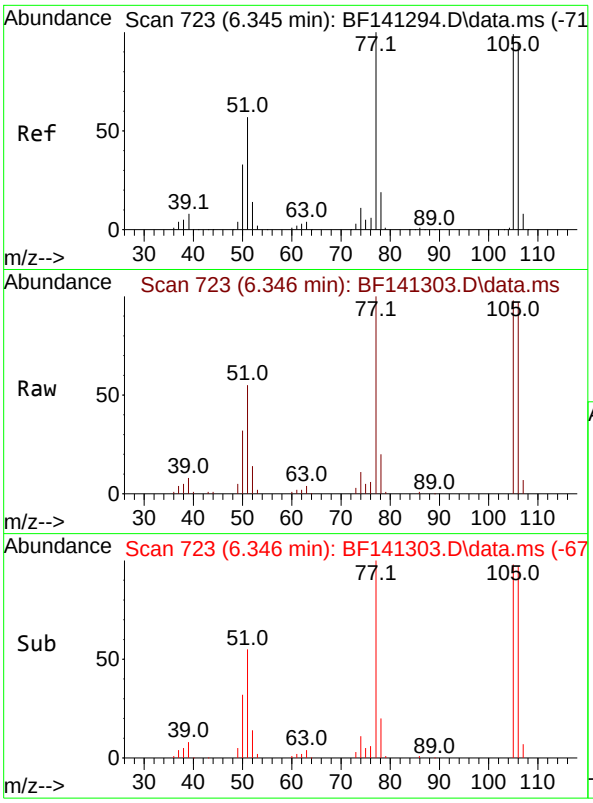


#8
2-Chlorophenol
Concen: 47.816 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:128 Resp: 474531

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.5	52.5
64	50.4	32.9	72.9

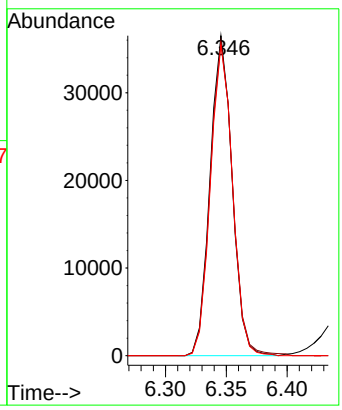




#9
Benzaldehyde
Concen: 6.732 ng
RT: 6.346 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 77 Resp: 4593

Ion	Ratio	Lower	Upper
77	100		
105	98.1	79.4	119.4
106	97.2	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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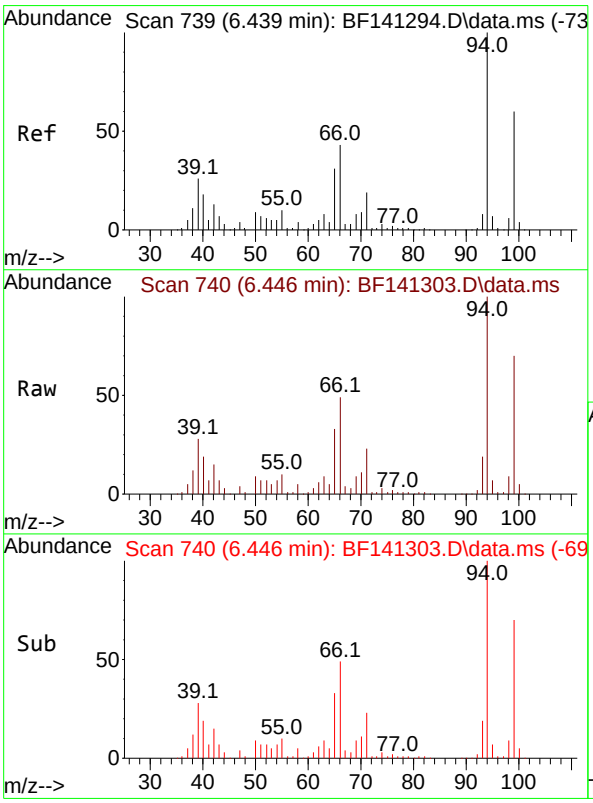
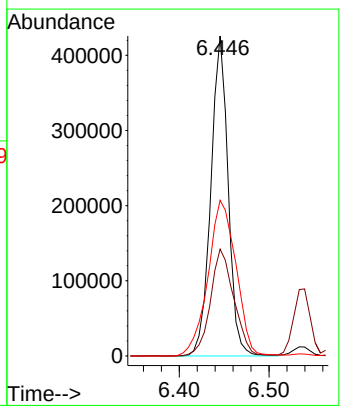
Supervised By :mohammad ahmed 01/31/2025

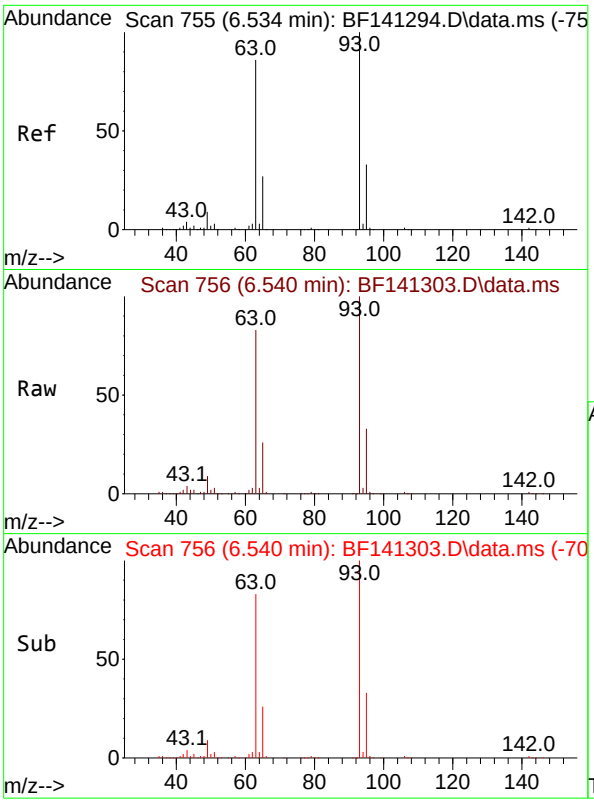


#10
Phenol
Concen: 45.706 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 94 Resp: 570700

Ion	Ratio	Lower	Upper
94	100		
65	33.4	10.8	50.8
66	48.6	23.3	63.3

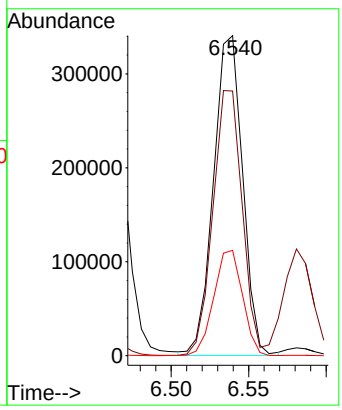




#11
bis(2-Chloroethyl)ether
Concen: 46.553 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 93 Resp: 44568

Ion	Ratio	Lower	Upper
93	100		
63	82.7	65.0	105.0
95	32.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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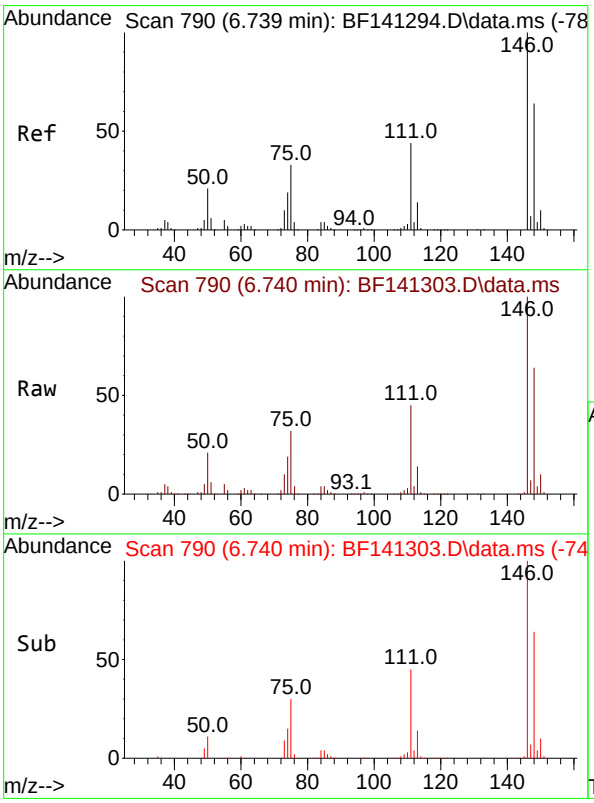
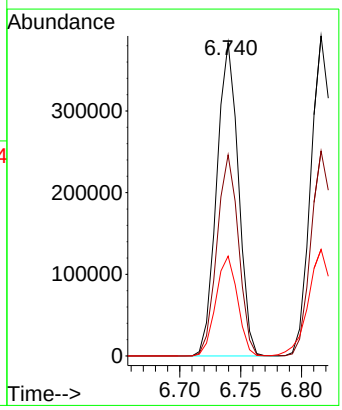
Supervised By :mohammad ahmed 01/31/2025

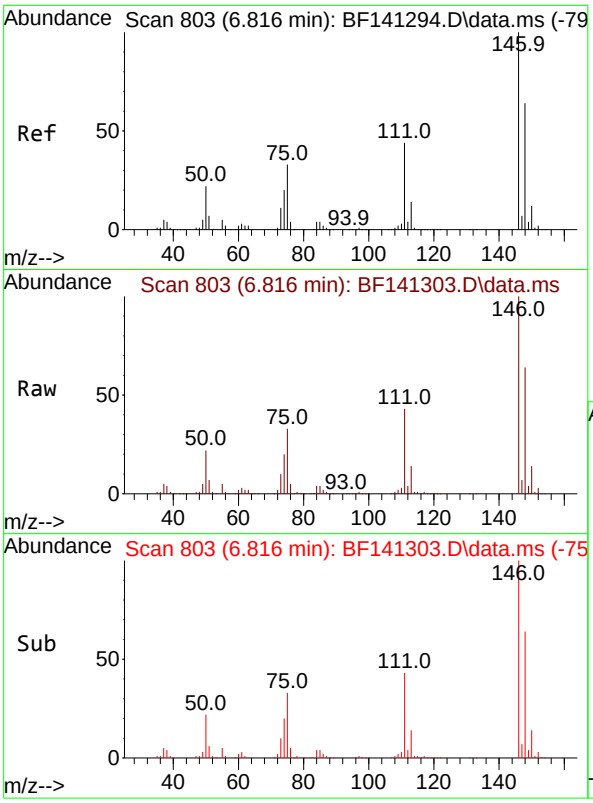


#12
1,3-Dichlorobenzene
Concen: 43.367 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:146 Resp: 474543

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	31.9	26.2	39.4

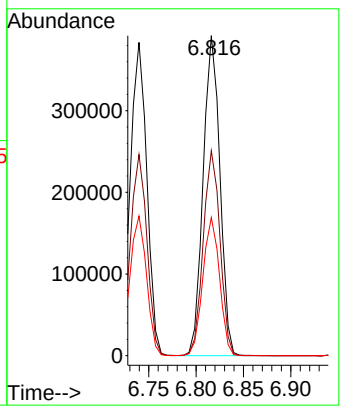




#13
1,4-Dichlorobenzene
Concen: 43.833 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:146 Resp: 48184

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.2	76.8
111	43.1	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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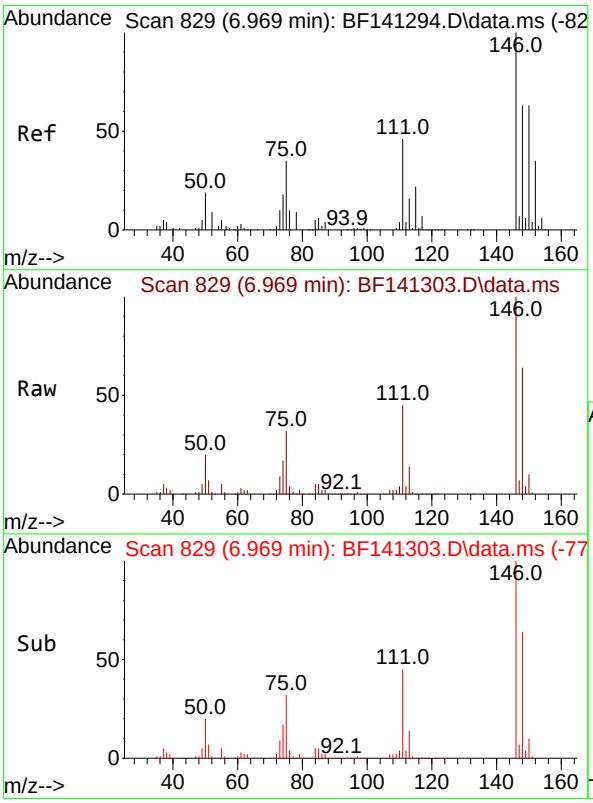
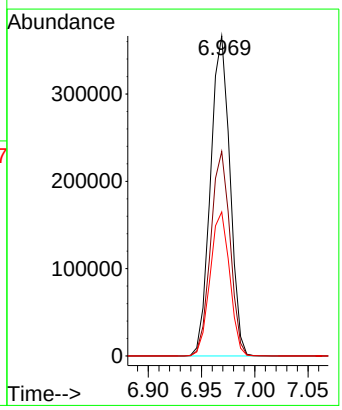
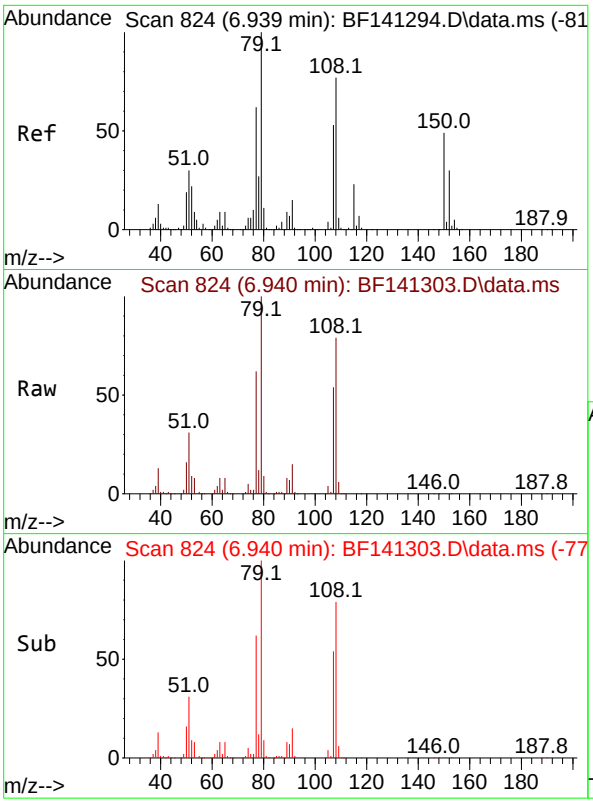


#14
1,2-Dichlorobenzene
Concen: 45.045 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:146 Resp: 463668

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	45.0	36.6	55.0

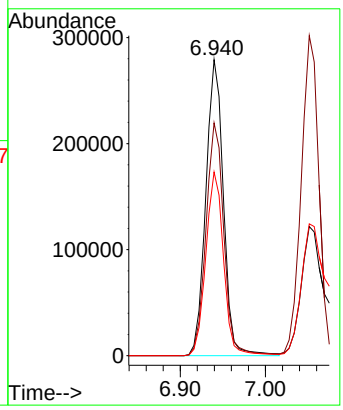




#15
Benzyl Alcohol
Concen: 49.832 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 79 Resp: 40112

Ion	Ratio	Lower	Upper
79	100		
108	78.6	61.4	92.0
77	62.1	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations
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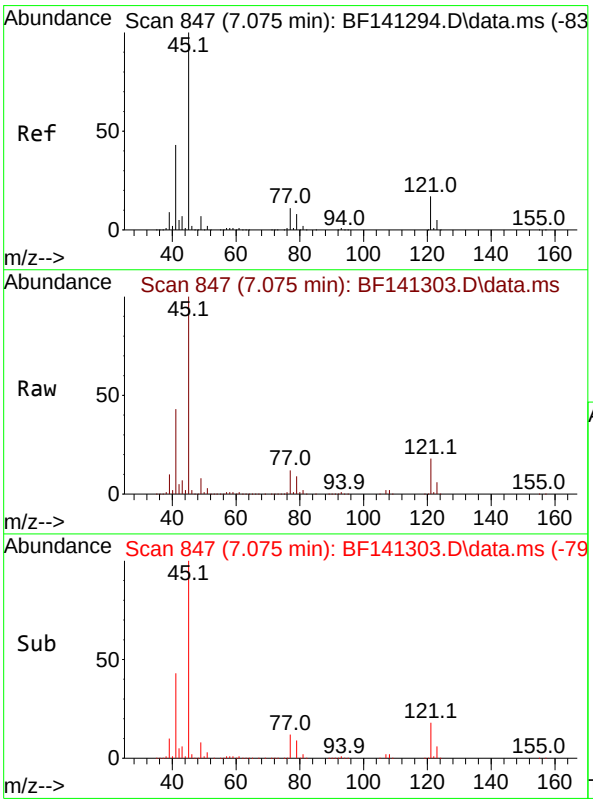
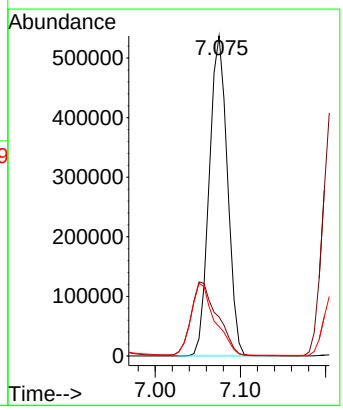
Supervised By :mohammad ahmed 01/31/2025

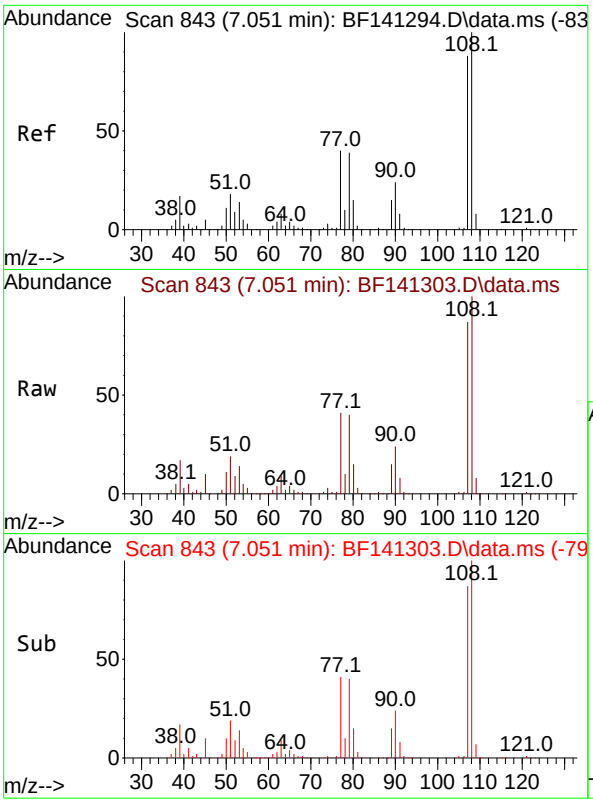


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.711 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 45 Resp: 794288

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	31.8
79	9.2	0.0	29.1

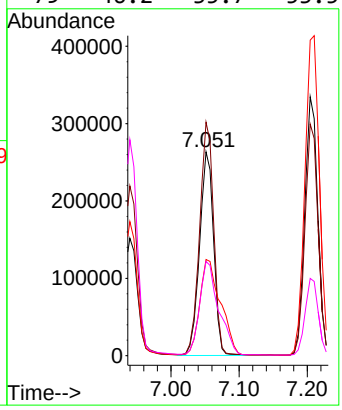




#17
2-Methylphenol
Concen: 47.030 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:107 Resp: 37933

Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.8	136.2
77	47.2	36.2	54.4
79	46.2	35.7	53.5



Instrument :
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ClientSampleId :
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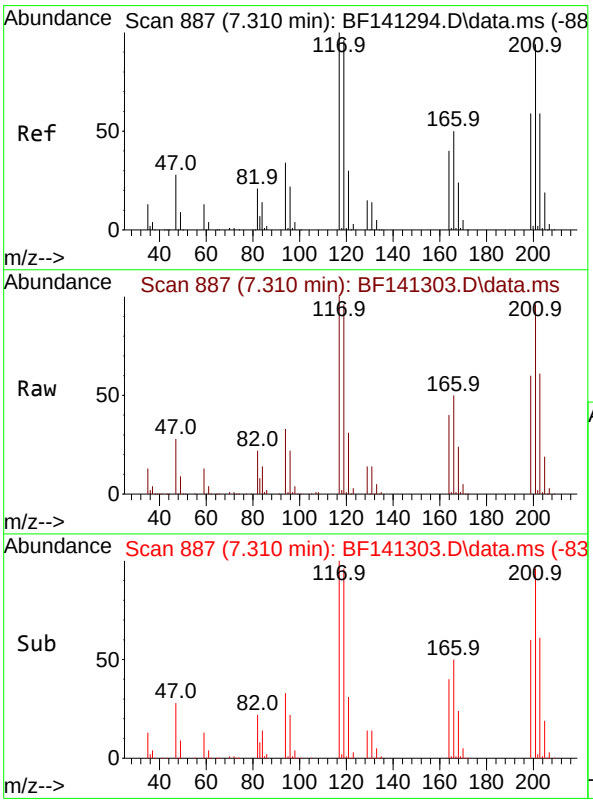
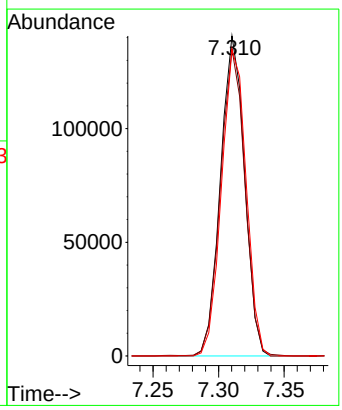
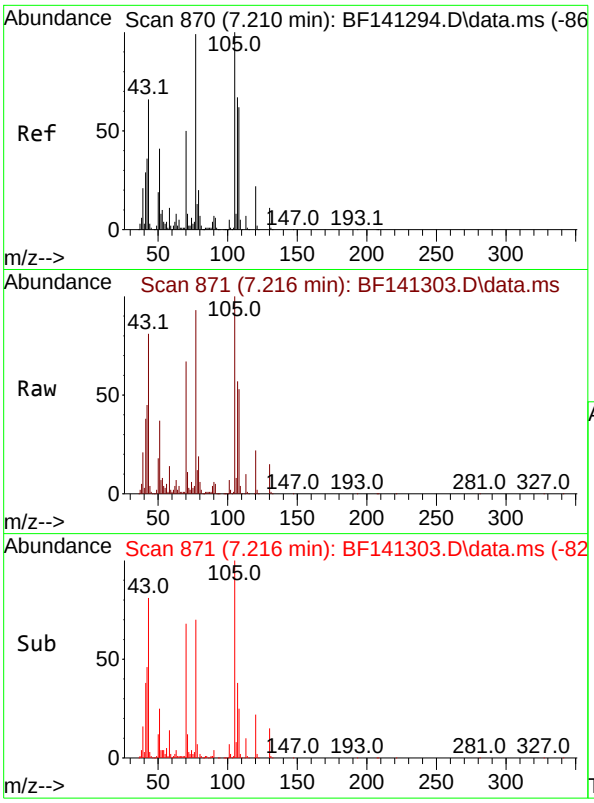


#18
Hexachloroethane
Concen: 44.272 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:117 Resp: 179539

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	95.8	74.8	112.2

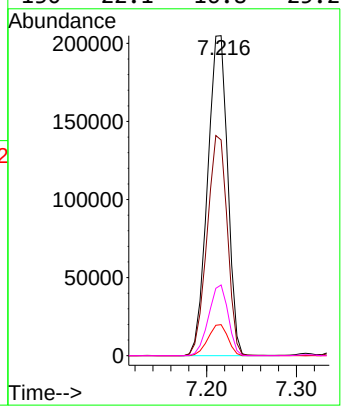




#19
n-Nitroso-di-n-propylamine
Concen: 45.551 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 70 Resp: 31881

Ion	Ratio	Lower	Upper
70	100		
42	67.4	56.8	85.2
101	9.7	7.7	11.5
130	22.1	16.8	25.2



Instrument :
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ClientSampleId :
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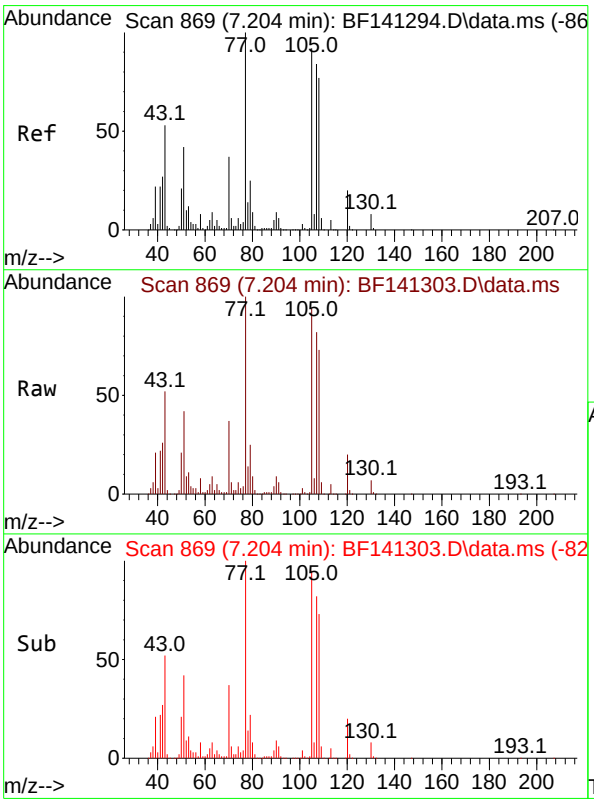
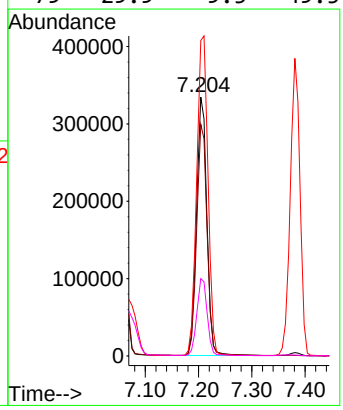
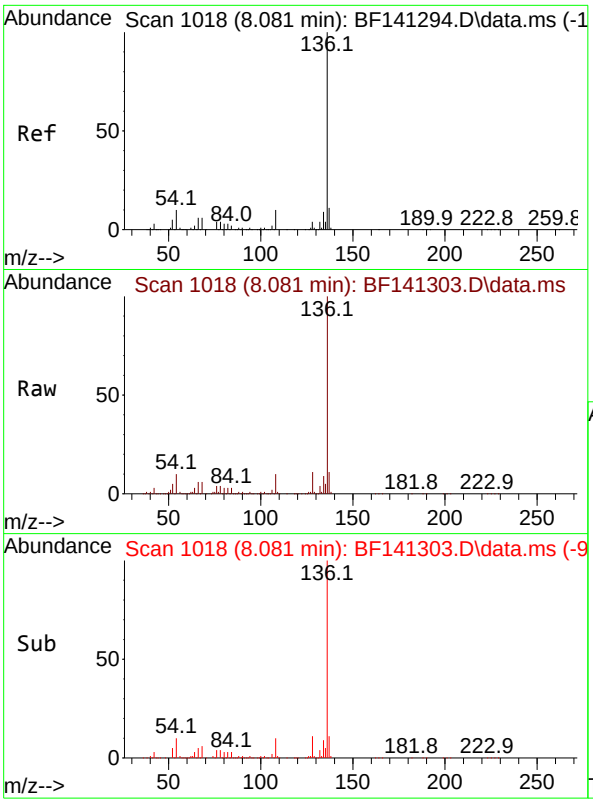


#20
3+4-Methylphenols
Concen: 45.403 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:107 Resp: 449643

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.9	110.9
77	121.9	98.5	138.5
79	29.9	9.5	49.5

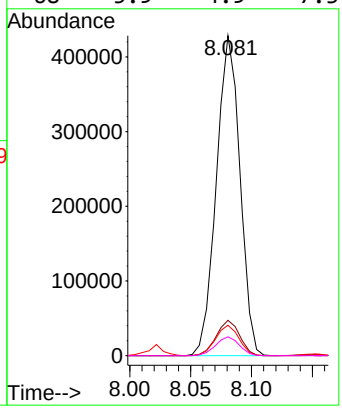




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:136 Resp: 57765

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.5	7.8	11.8
68	5.9	4.9	7.3



Instrument :
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ClientSampleId :
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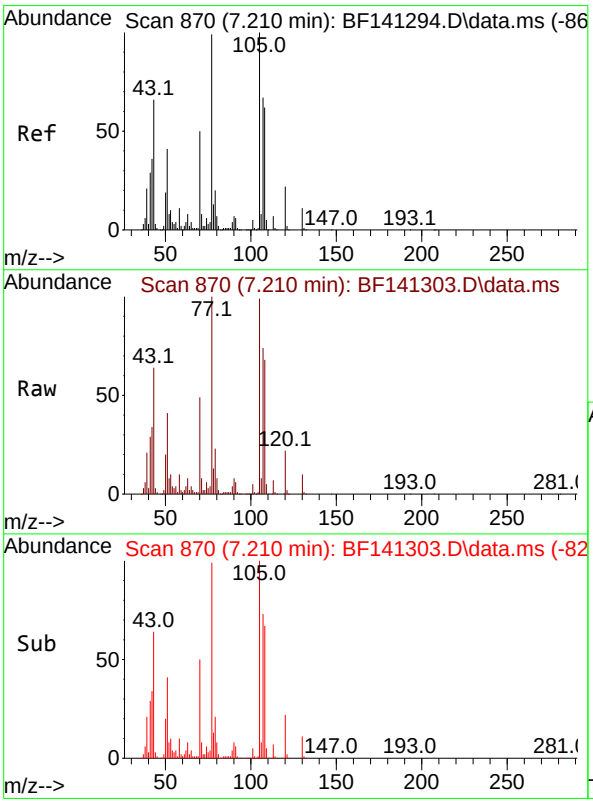
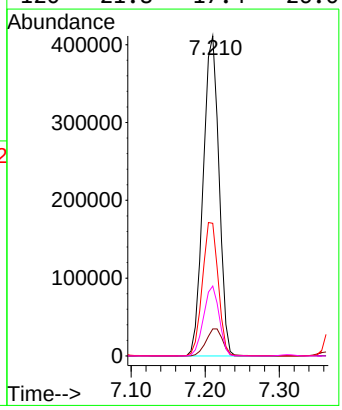
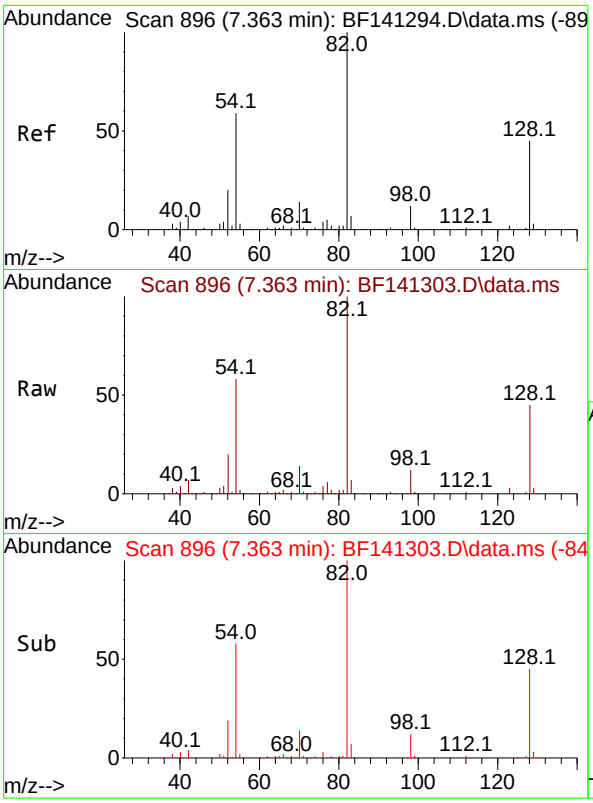


#22
Acetophenone
Concen: 44.258 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:105 Resp: 607690

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.8	10.2
51	41.4	32.6	49.0
120	21.8	17.4	26.0

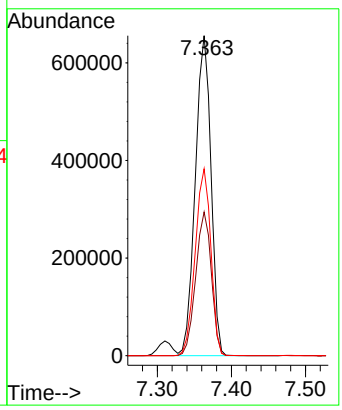




#23
Nitrobenzene-d5
Concen: 87.947 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 82 Resp: 96369

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	58.4	47.1	70.7



Instrument :
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ClientSampleId :
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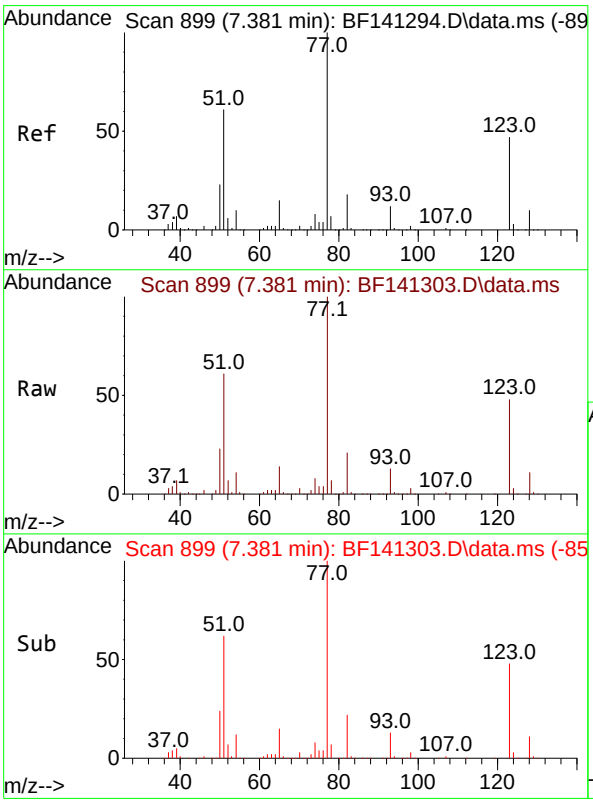
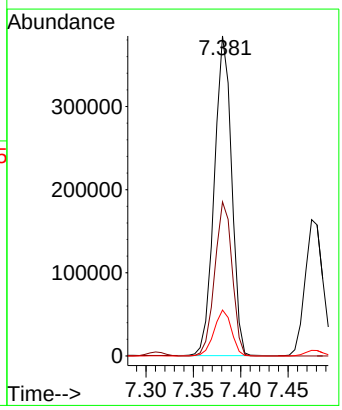
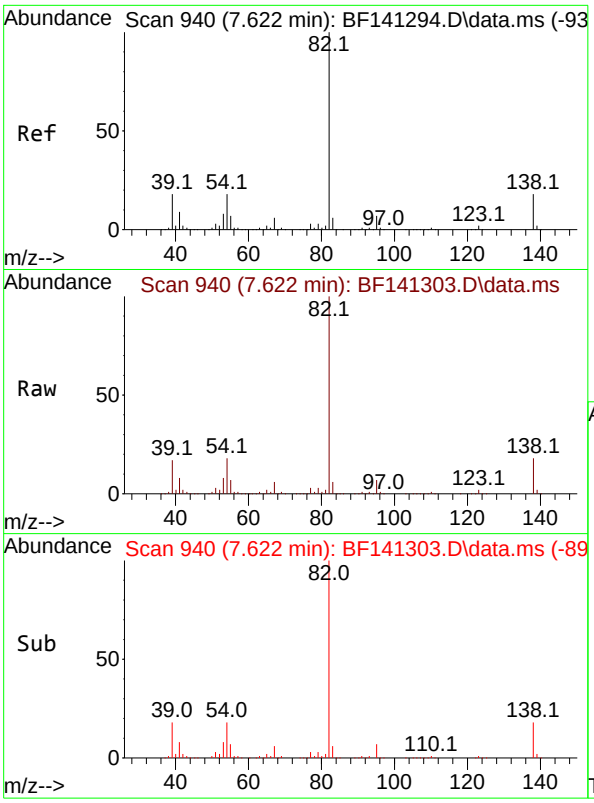


#24
Nitrobenzene
Concen: 43.064 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 77 Resp: 489014

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.3	55.9
65	14.3	11.8	17.6

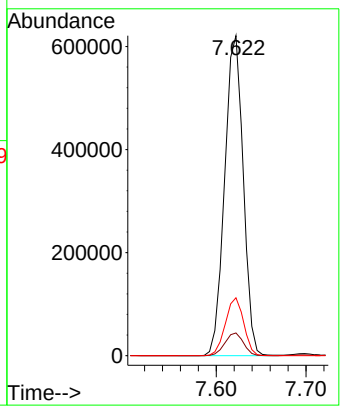




#25
Isophorone
Concen: 47.071 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 82 Resp: 89159

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.6
138	18.1	14.7	22.1



Instrument :
BNA_F
ClientSampleId :
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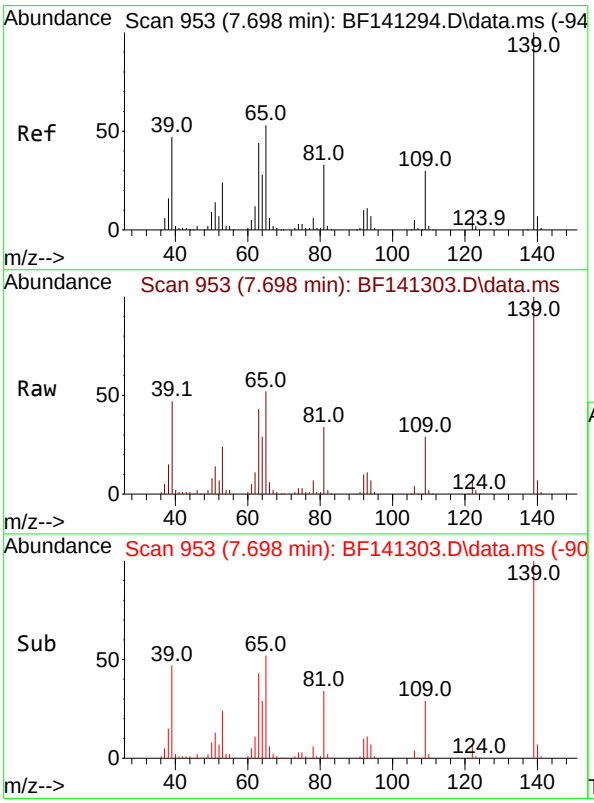
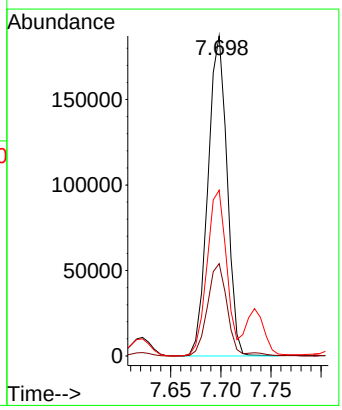
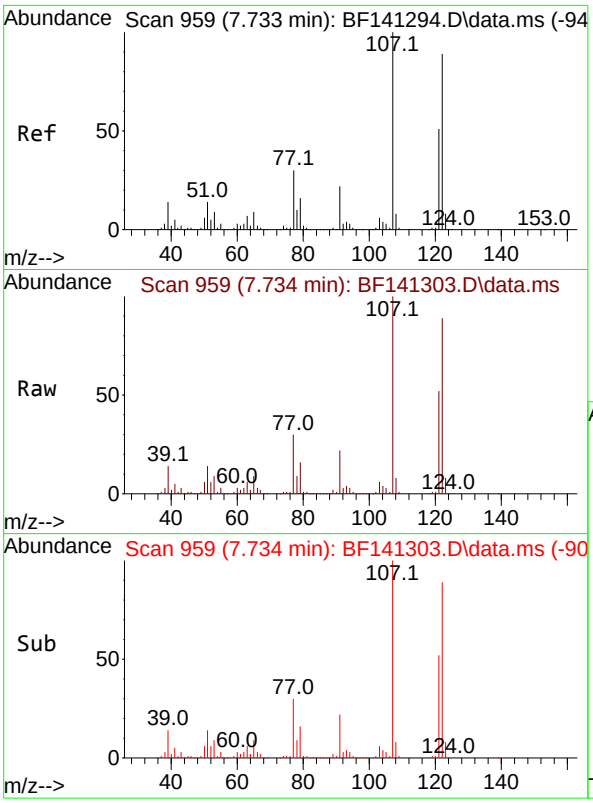


#26
2-Nitrophenol
Concen: 46.424 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:139 Resp: 248620

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.8	42.2	63.4

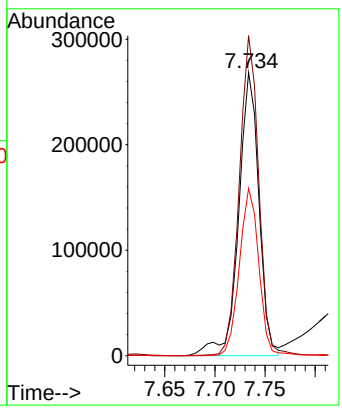




#27
2,4-Dimethylphenol
Concen: 55.605 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:122 Resp: 37904

Ion	Ratio	Lower	Upper
122	100		
107	113.0	89.9	134.9
121	59.1	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
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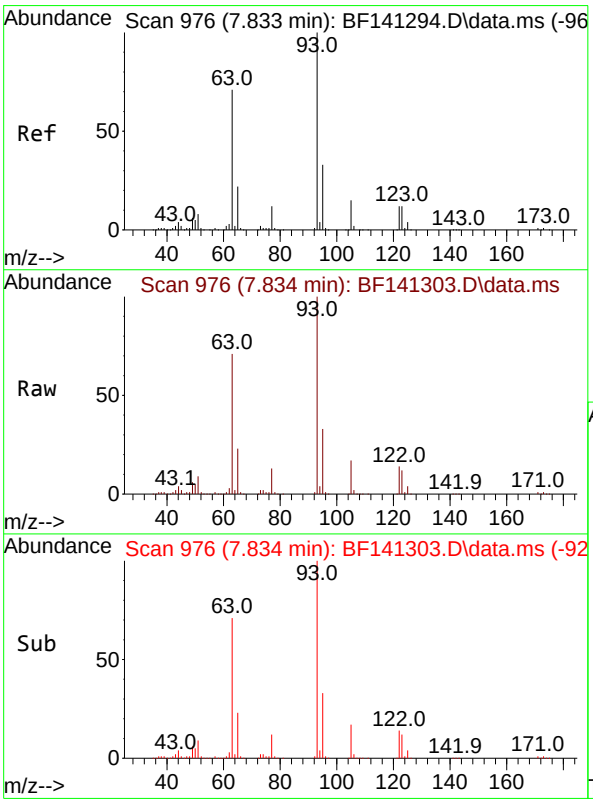
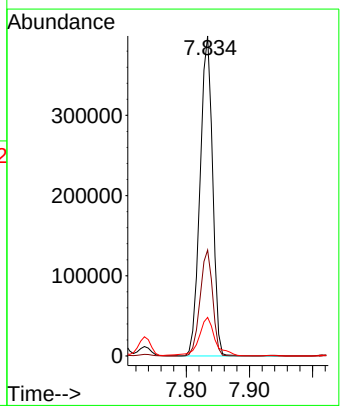
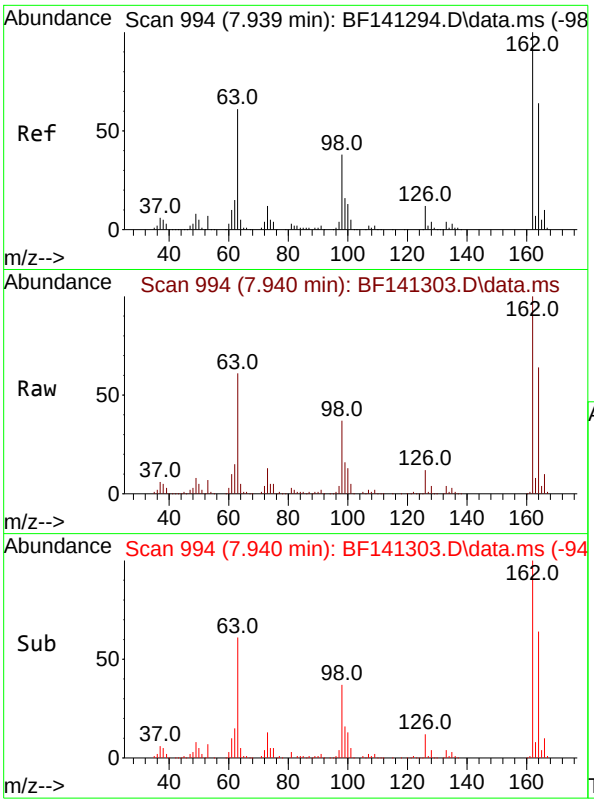


#28
bis(2-Chloroethoxy)methane
Concen: 45.641 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 93 Resp: 551443

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.2
123	12.1	10.2	15.4

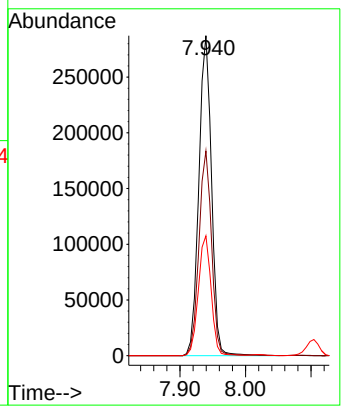




#29
2,4-Dichlorophenol
Concen: 46.364 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:162 Resp: 38690

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	37.5	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
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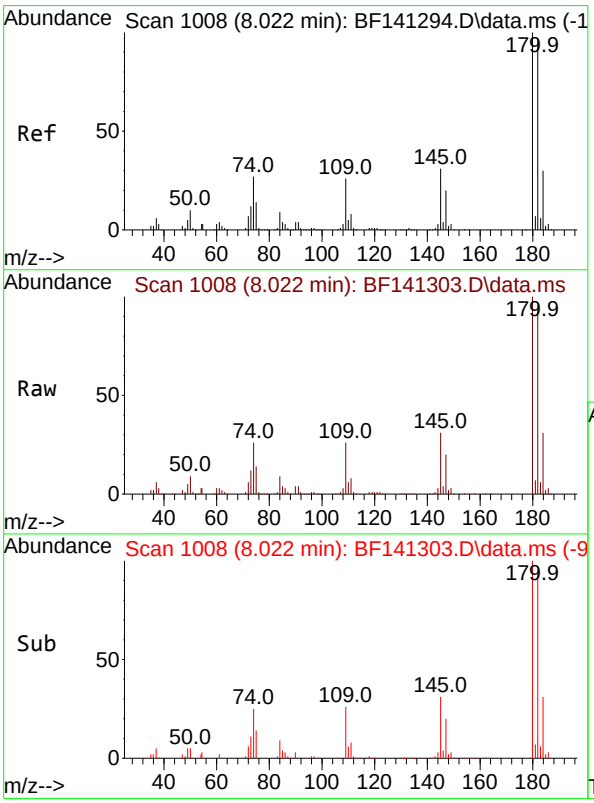
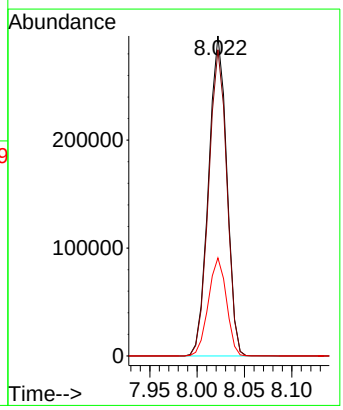
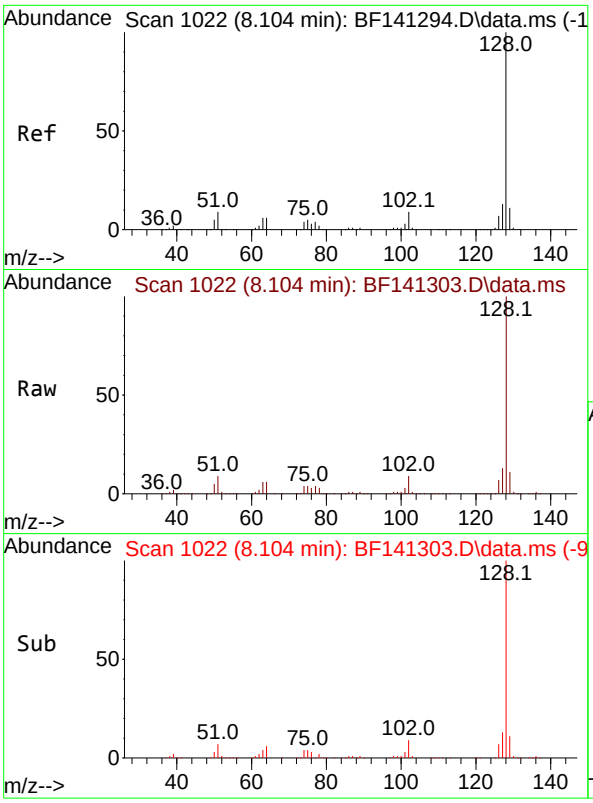


#30
1,2,4-Trichlorobenzene
Concen: 41.588 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:180 Resp: 396349

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.4	114.6
145	30.6	24.9	37.3

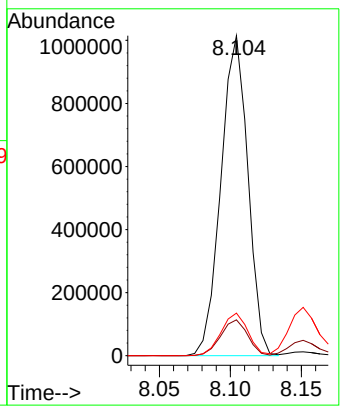




#31
Naphthalene
Concen: 43.940 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:128 Resp: 134086

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.3	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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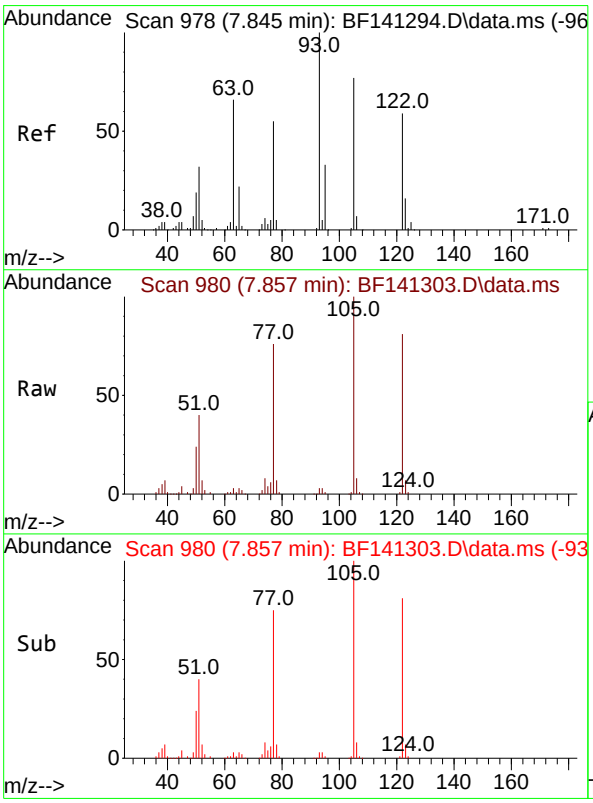
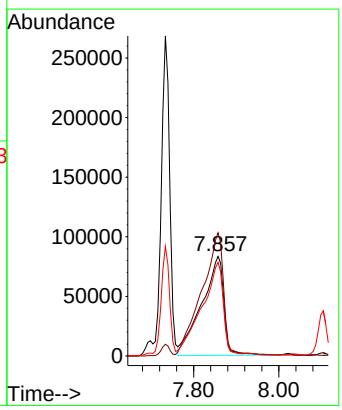
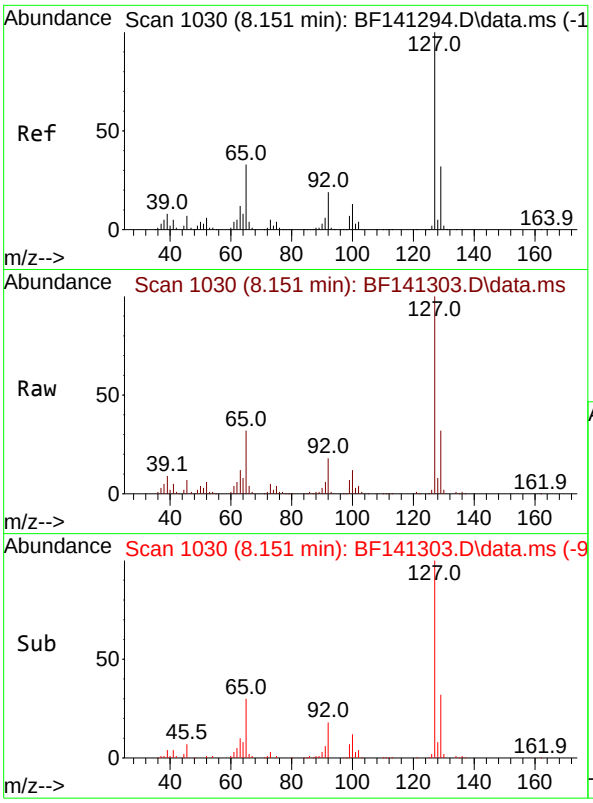


#32
Benzoic acid
Concen: 47.947 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:122 Resp: 300455

Ion	Ratio	Lower	Upper
122	100		
105	123.7	103.4	143.4
77	94.1	70.9	110.9

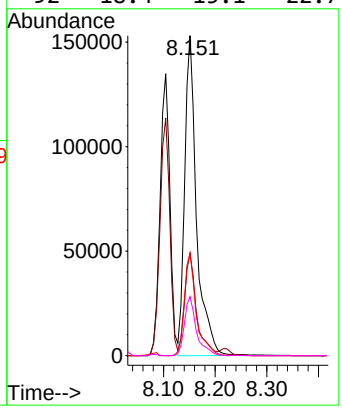




#33
4-Chloroaniline
Concen: 23.645 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:127 Resp: 24468

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	32.0	26.4	39.6
92	18.4	15.1	22.7



Instrument :
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ClientSampleId :
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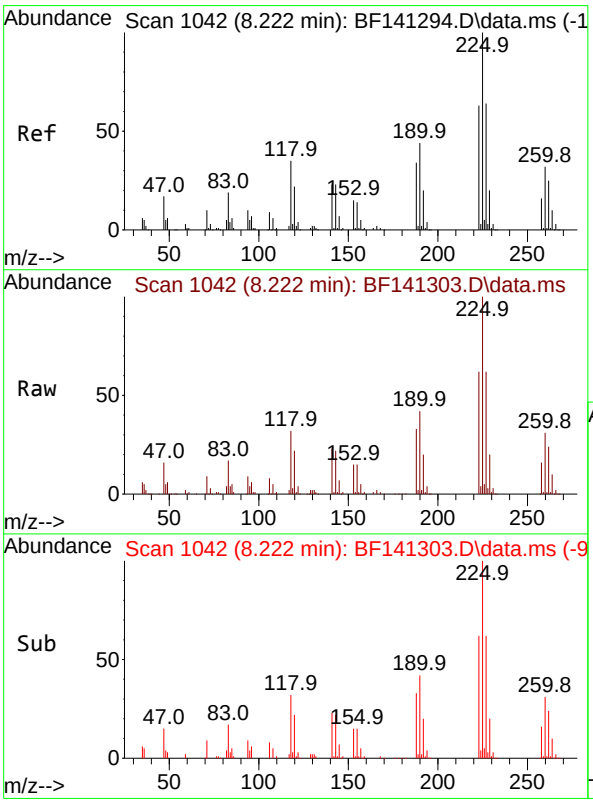
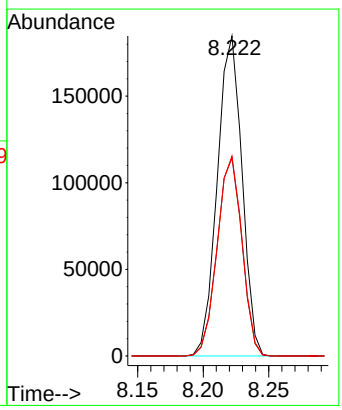
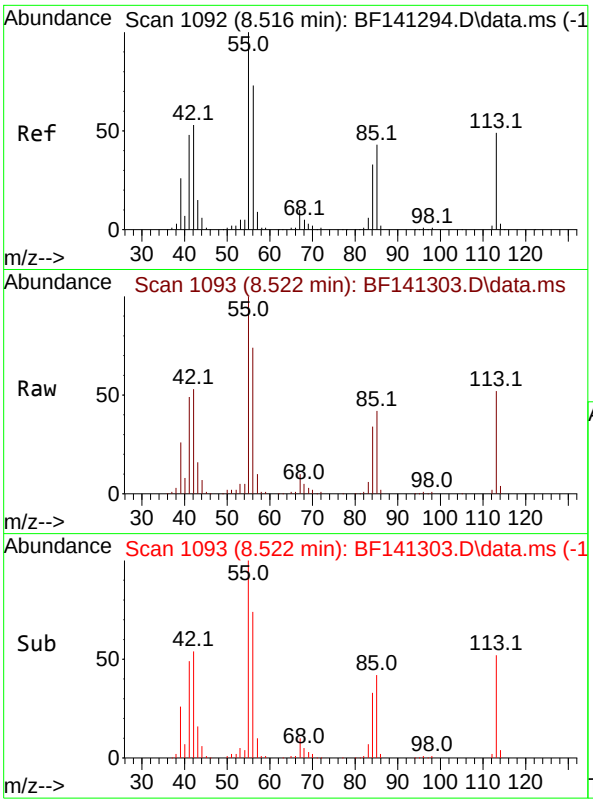


#34
Hexachlorobutadiene
Concen: 43.336 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:225 Resp: 242199

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.4	75.6
227	62.5	51.3	76.9

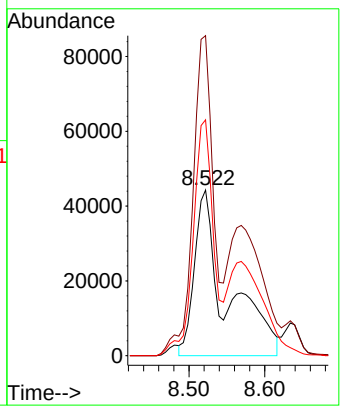




#35
Caprolactam
Concen: 47.704 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:113 Resp: 13001

Ion	Ratio	Lower	Upper
113	100		
55	193.2	182.9	222.9
56	142.4	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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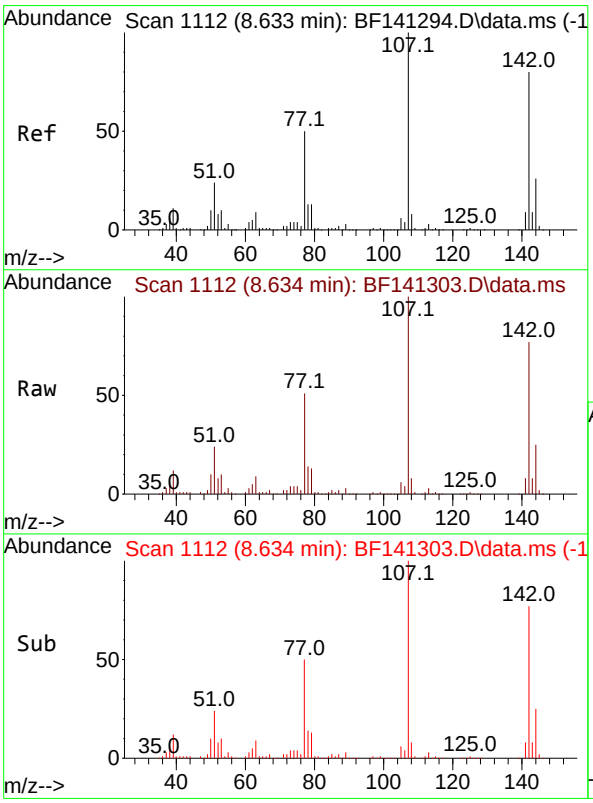
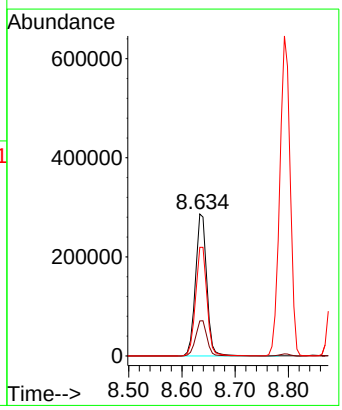
Supervised By :mohammad ahmed 01/31/2025

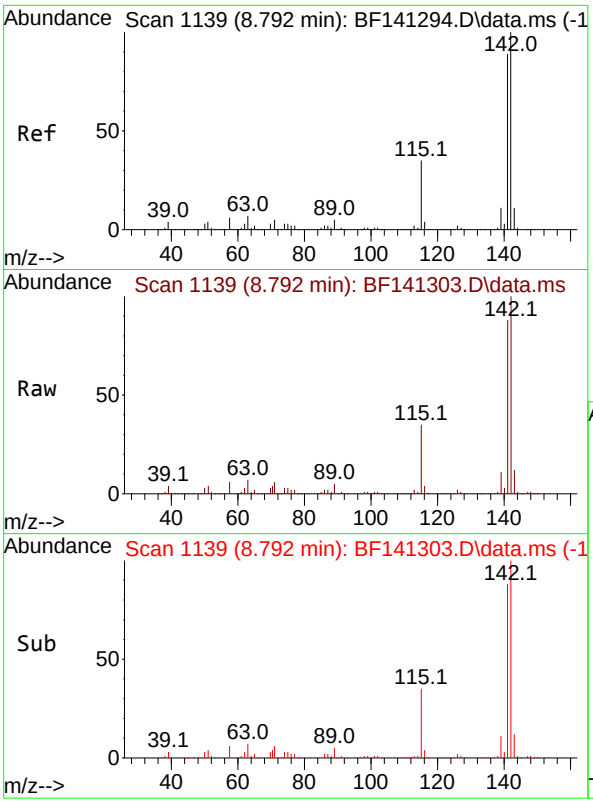


#36
4-Chloro-3-methylphenol
Concen: 47.276 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:107 Resp: 423183

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.7	31.1
142	76.5	63.8	95.8

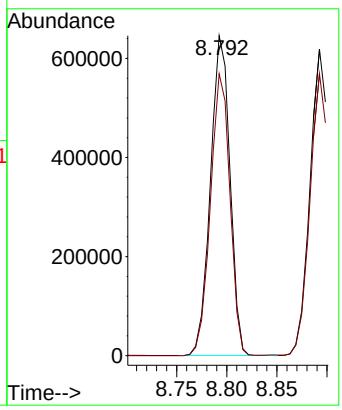




#37
2-Methylnaphthalene
Concen: 45.064 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:142 Resp: 87402

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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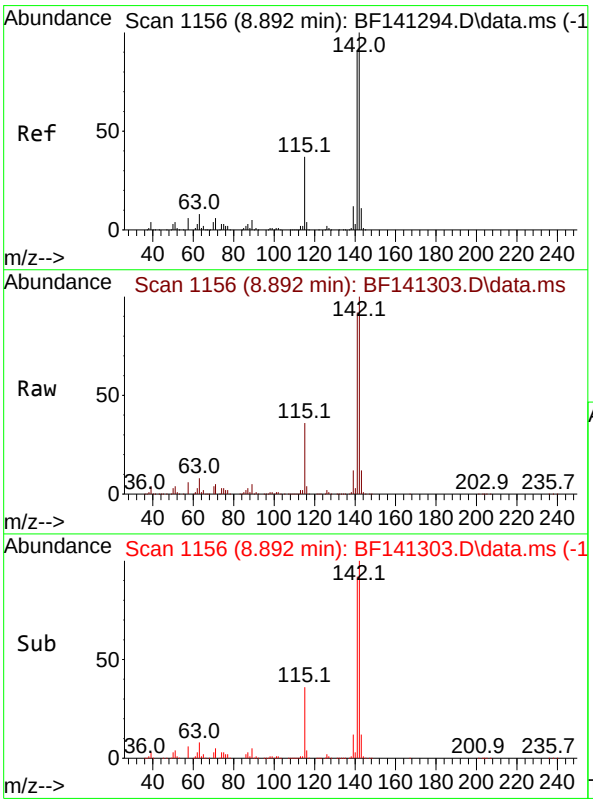
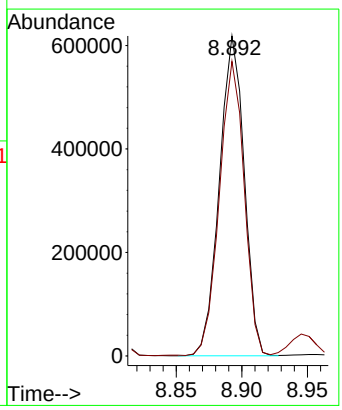
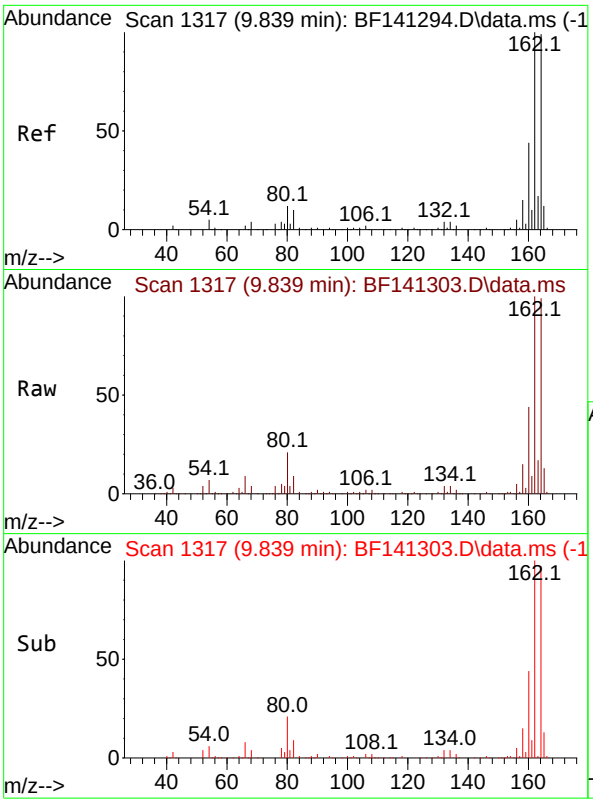


#38
1-Methylnaphthalene
Concen: 42.680 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:142 Resp: 813150

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.2	109.8

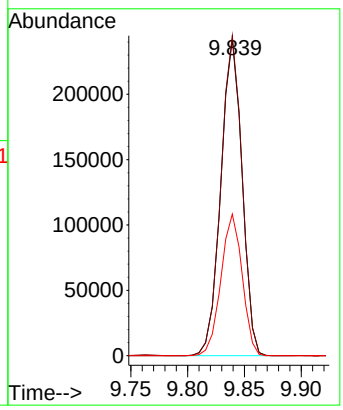




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:164 Resp: 31483

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	44.8	35.8	53.6



Instrument :
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ClientSampleId :
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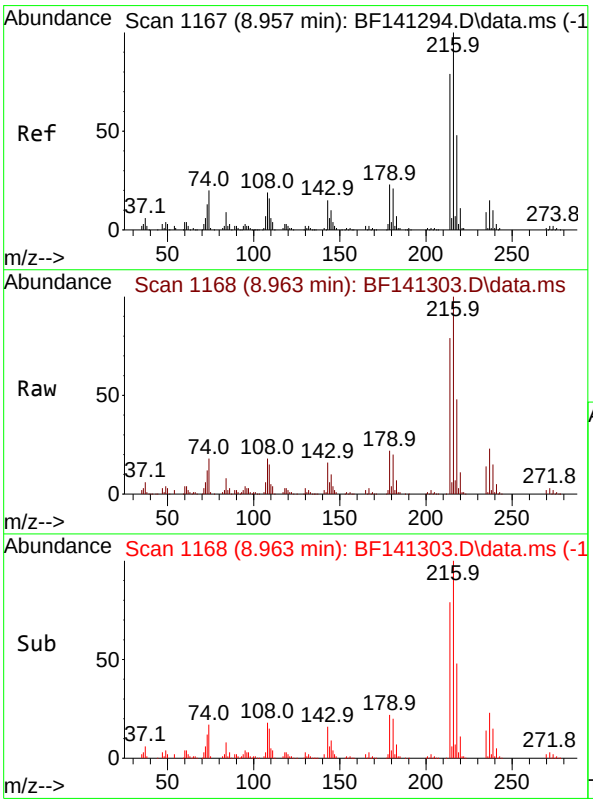
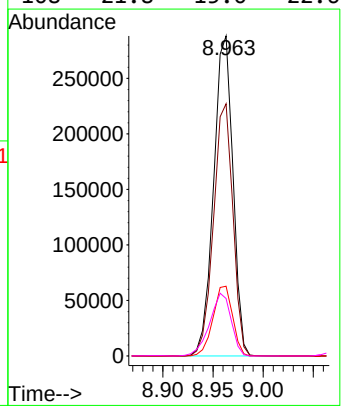
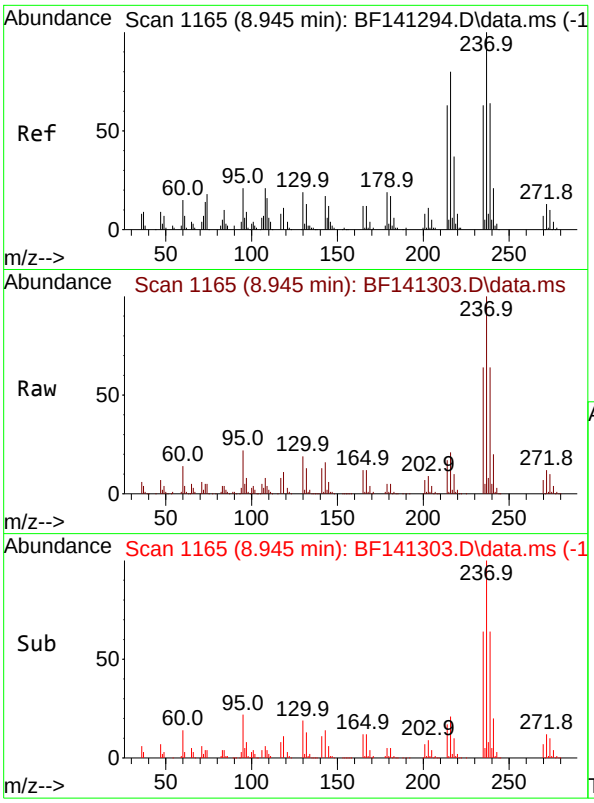


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.934 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:216 Resp: 384554

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.2	94.8
179	22.2	17.8	26.8
108	21.8	15.0	22.6

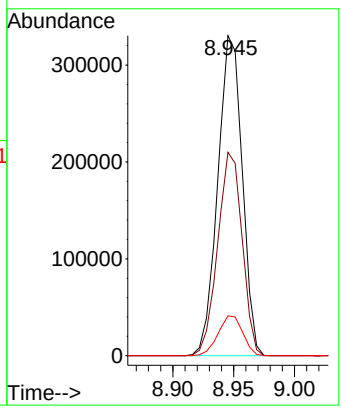




#41
Hexachlorocyclopentadiene
Concen: 174.494 ng
RT: 8.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:237 Resp: 46157

Ion	Ratio	Lower	Upper
237	100		
235	63.5	42.9	82.9
272	12.5	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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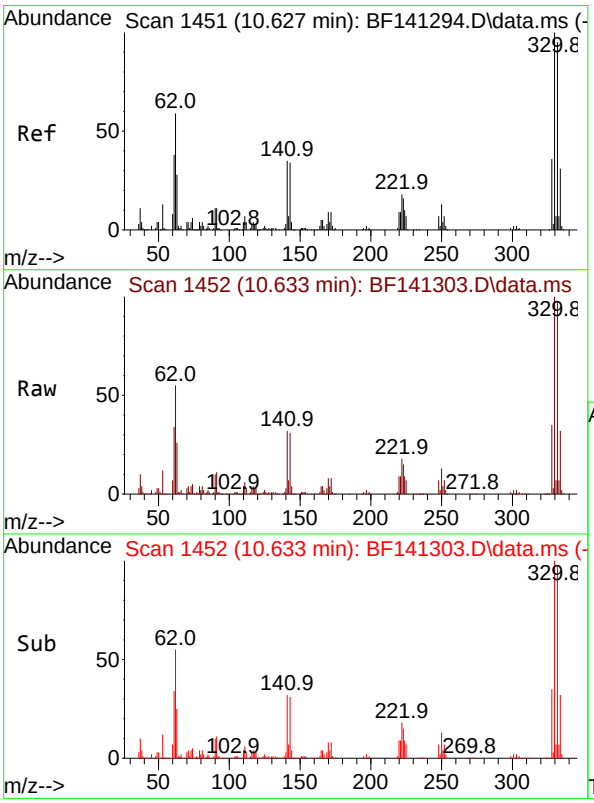
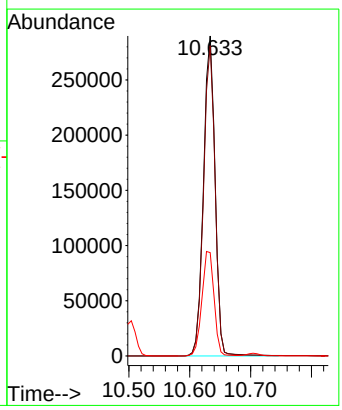
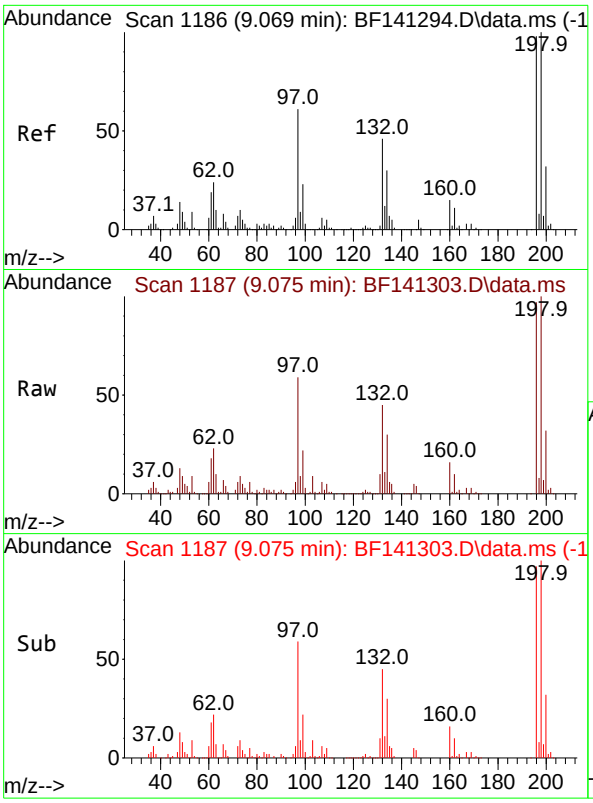


#42
2,4,6-Tribromophenol
Concen: 132.881 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:330 Resp: 383541

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.1	114.1
141	34.2	28.8	43.2

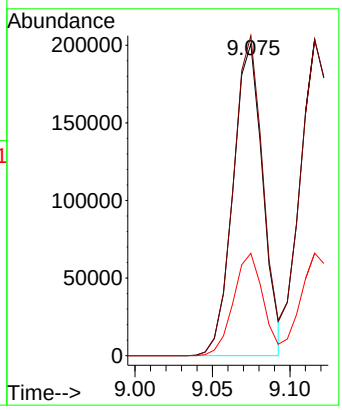




#43
2,4,6-Trichlorophenol
Concen: 45.768 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:196 Resp: 26831

Ion	Ratio	Lower	Upper
196	100		
198	102.6	81.8	122.6
200	32.9	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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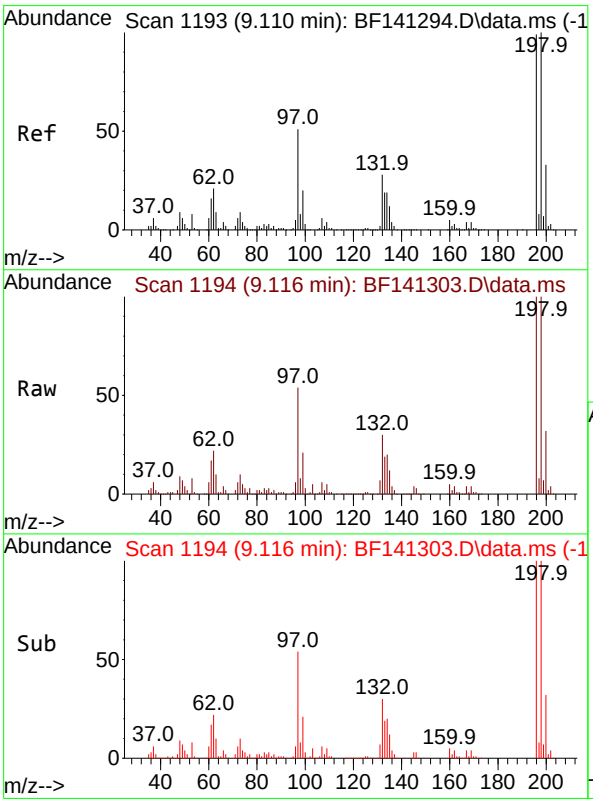
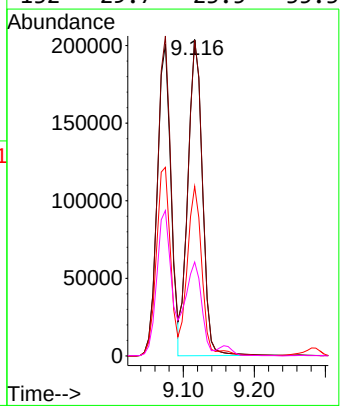
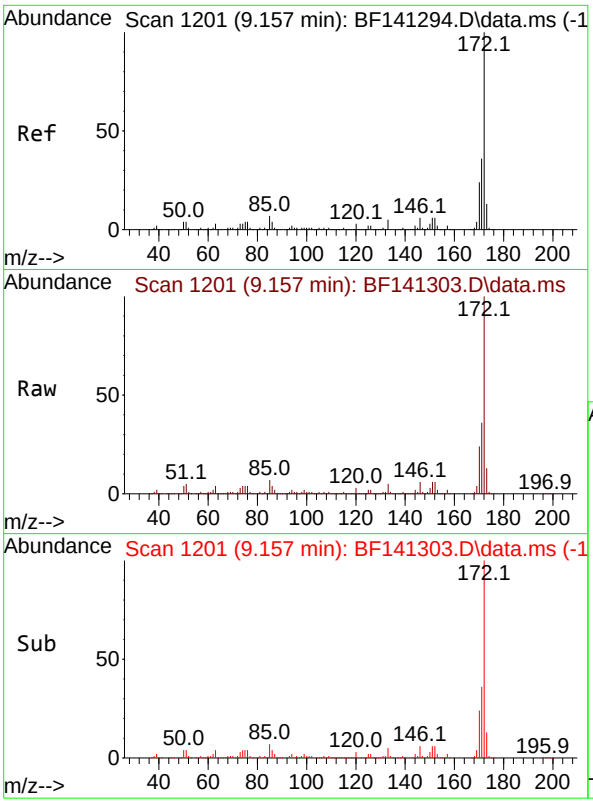


#44
2,4,5-Trichlorophenol
Concen: 45.357 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:196 Resp: 289410

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.5	120.7
97	53.6	42.8	64.2
132	29.7	23.5	35.3

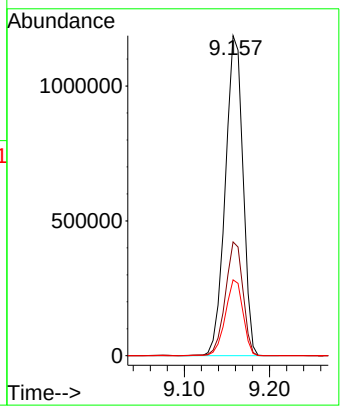




#45
2-Fluorobiphenyl
Concen: 83.483 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:172 Resp: 170763

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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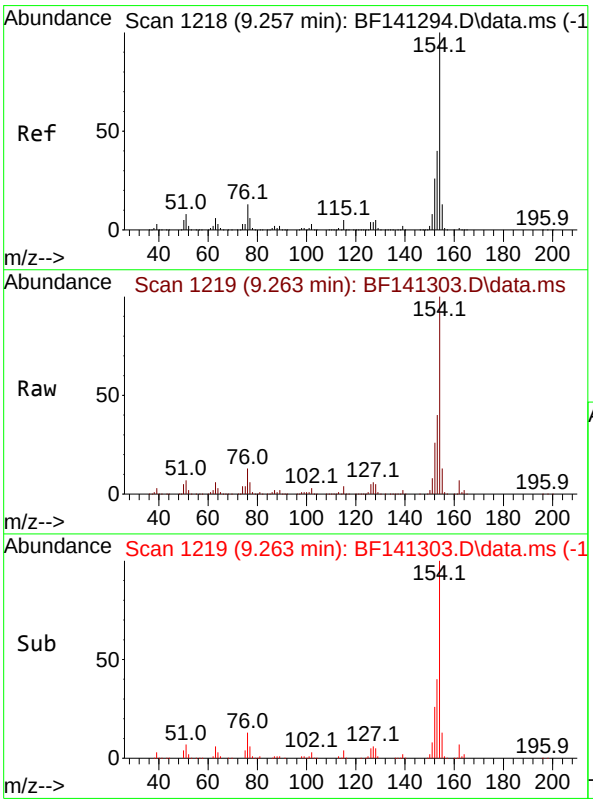
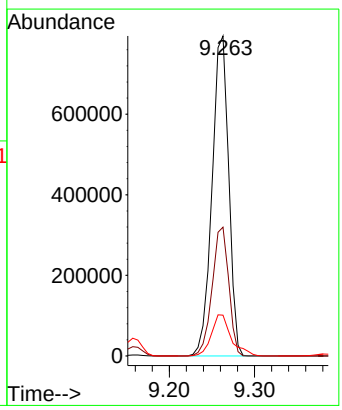
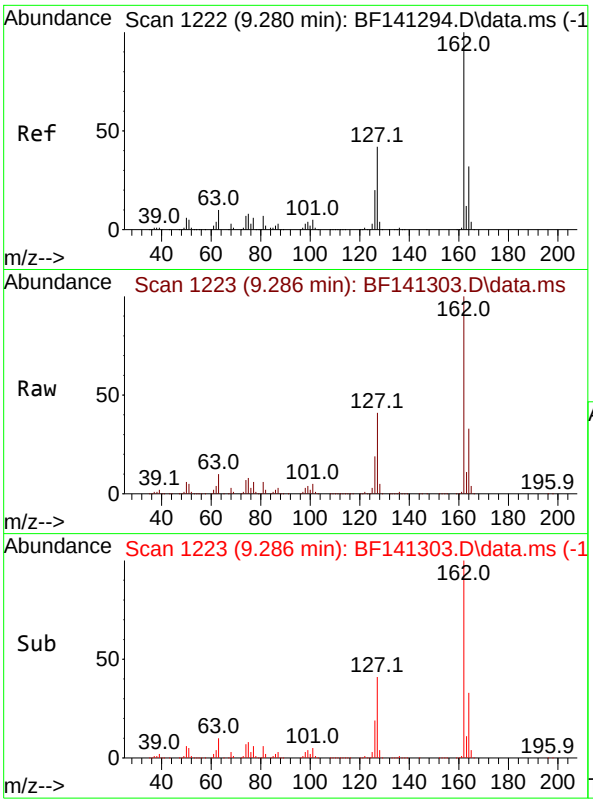


#46
1,1'-Biphenyl
Concen: 43.923 ng
RT: 9.263 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:154 Resp: 1078473

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.0	60.0
76	12.8	0.0	32.8

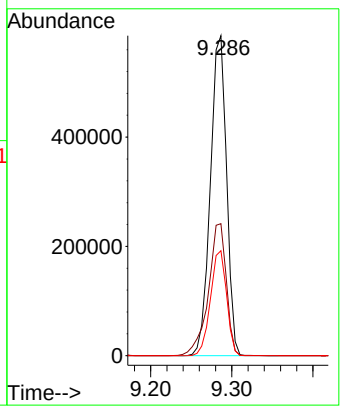




#47
2-Chloronaphthalene
Concen: 42.319 ng
RT: 9.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:162 Resp: 80990

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.7	50.5
164	32.8	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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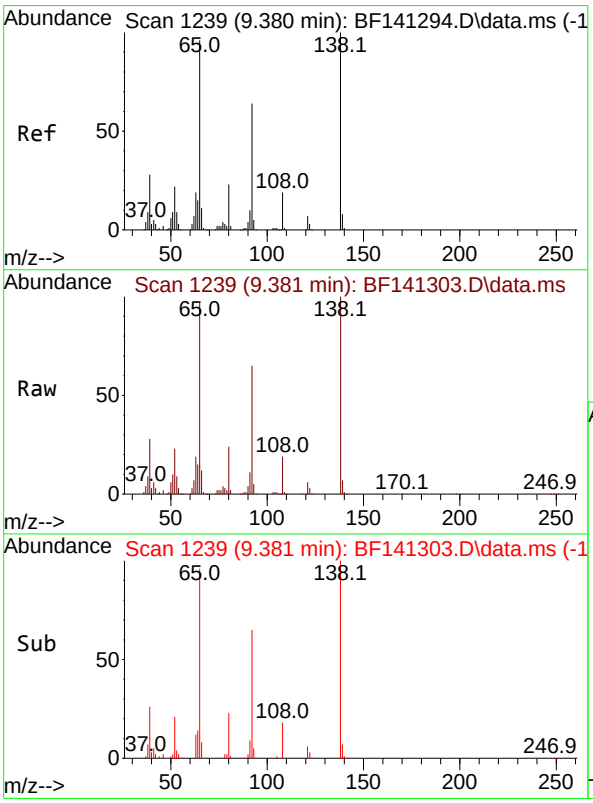
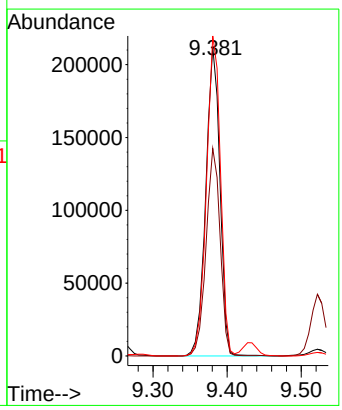
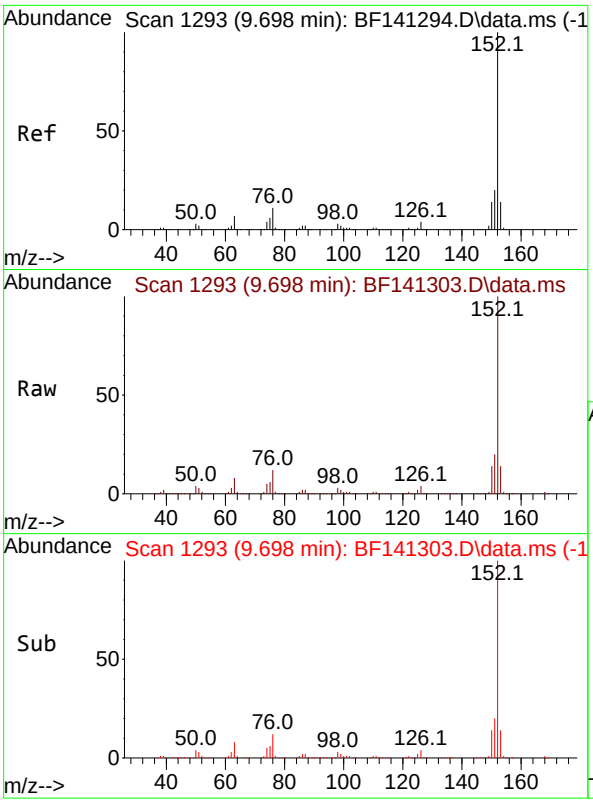


#48
2-Nitroaniline
Concen: 46.739 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion: 65 Resp: 281360

Ion	Ratio	Lower	Upper
65	100		
92	67.1	53.3	79.9
138	103.5	83.6	125.4

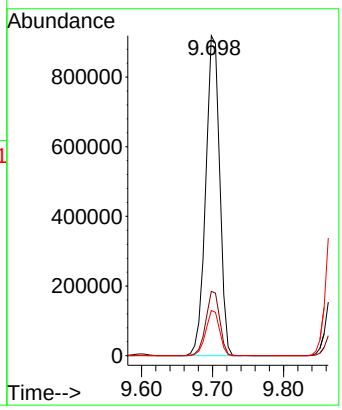




#49
Acenaphthylene
Concen: 46.969 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:152 Resp: 125830

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	14.1	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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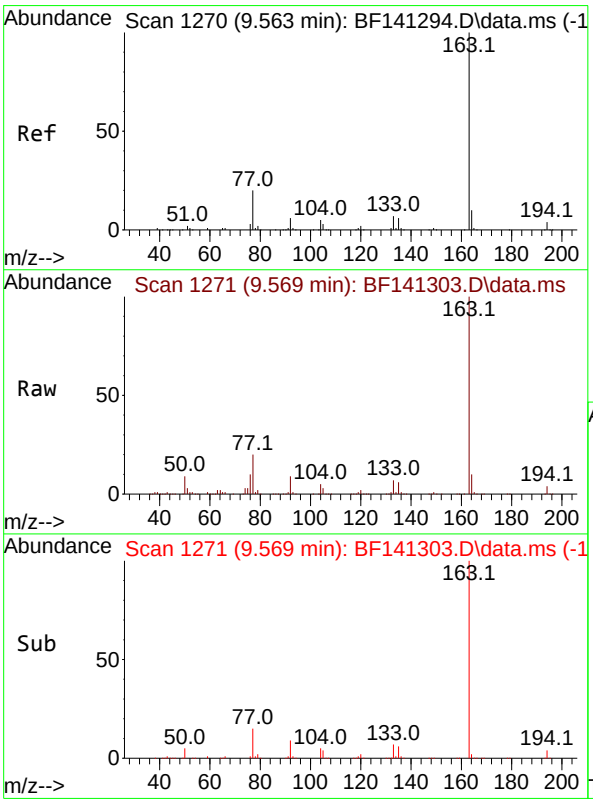
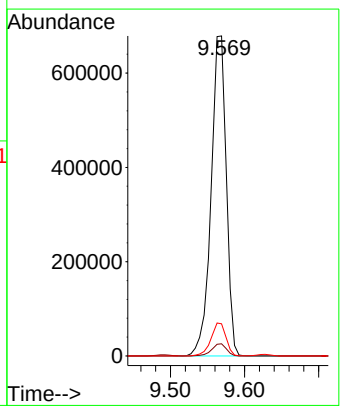
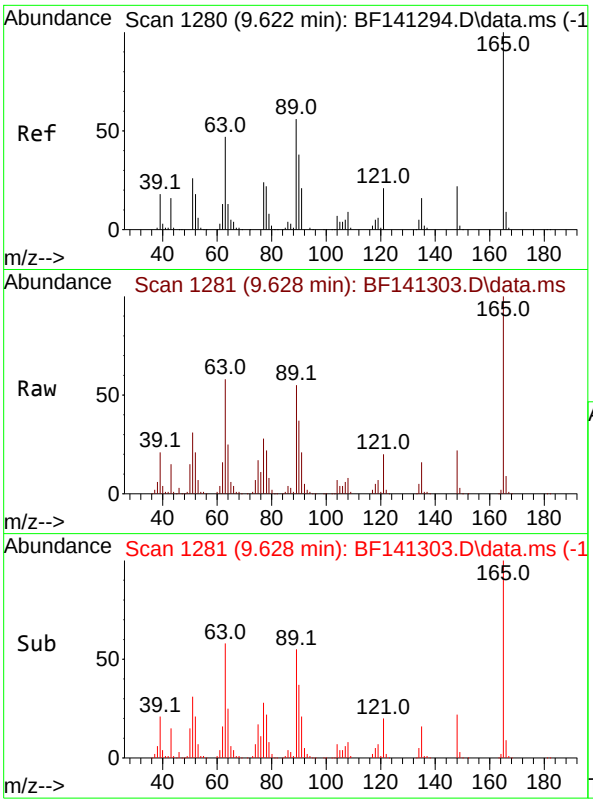


#50
Dimethylphthalate
Concen: 45.457 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:163 Resp: 966609

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 44.369 ng
RT: 9.628 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:165 Resp: 21906

Ion	Ratio	Lower	Upper
165	100		
63	58.3	48.1	72.1
89	54.9	44.9	67.3

Instrument :
BNA_F
ClientSampleId :
PB166335BS

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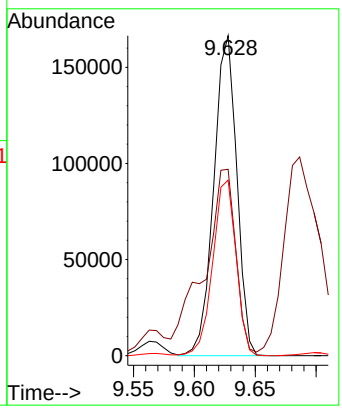
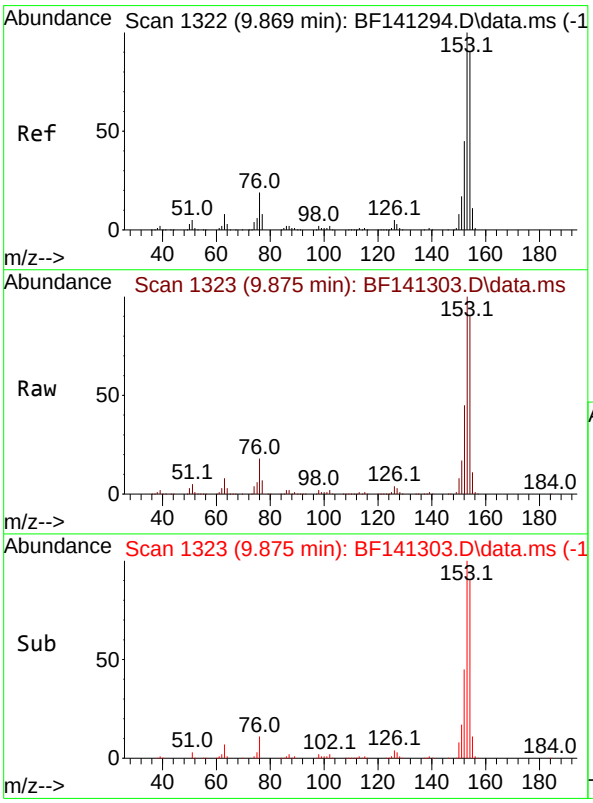
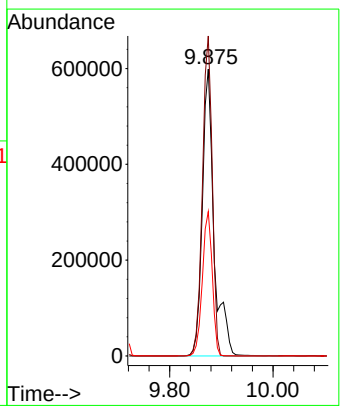


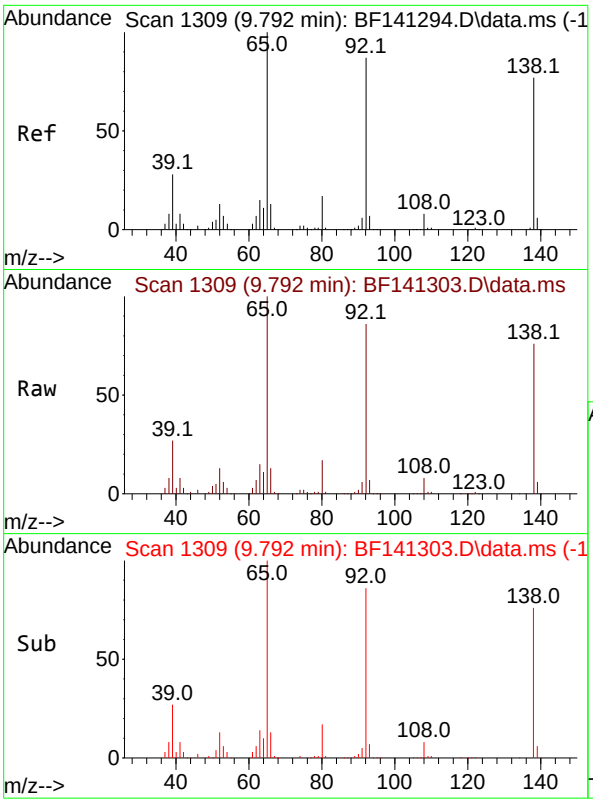


#52
Acenaphthene
Concen: 49.154 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:154 Resp: 940752

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.0	133.4
152	50.3	40.2	60.4





#53
3-Nitroaniline
Concen: 29.127 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:138 Resp: 14094

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.6	12.8
92	113.6	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations
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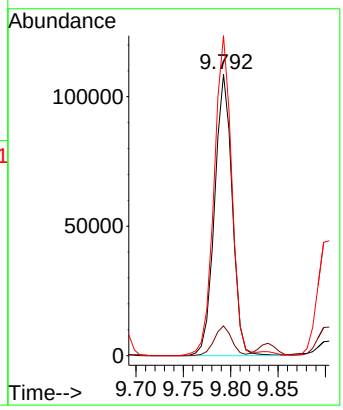
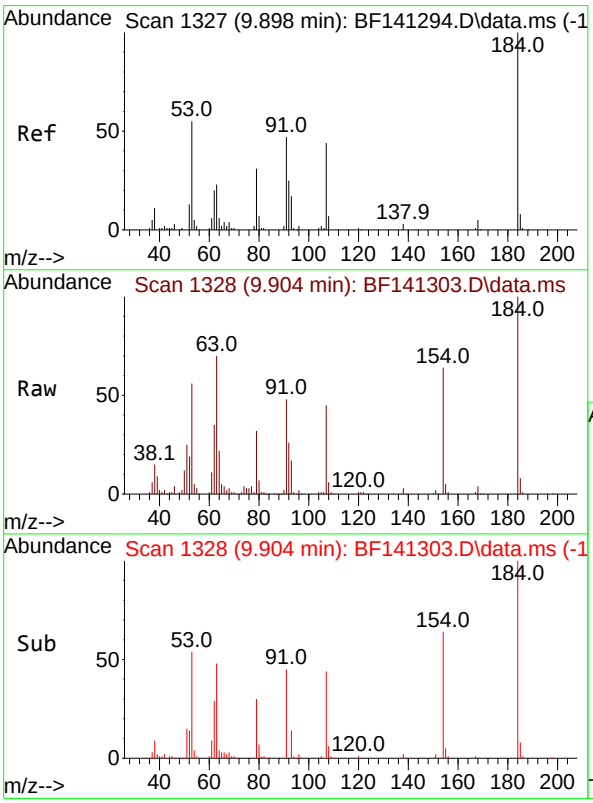
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

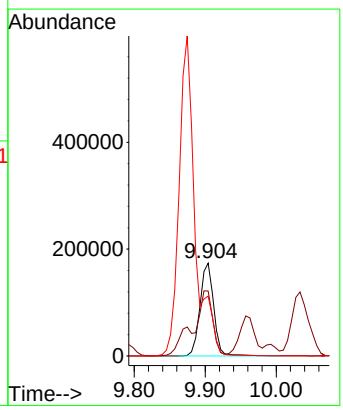


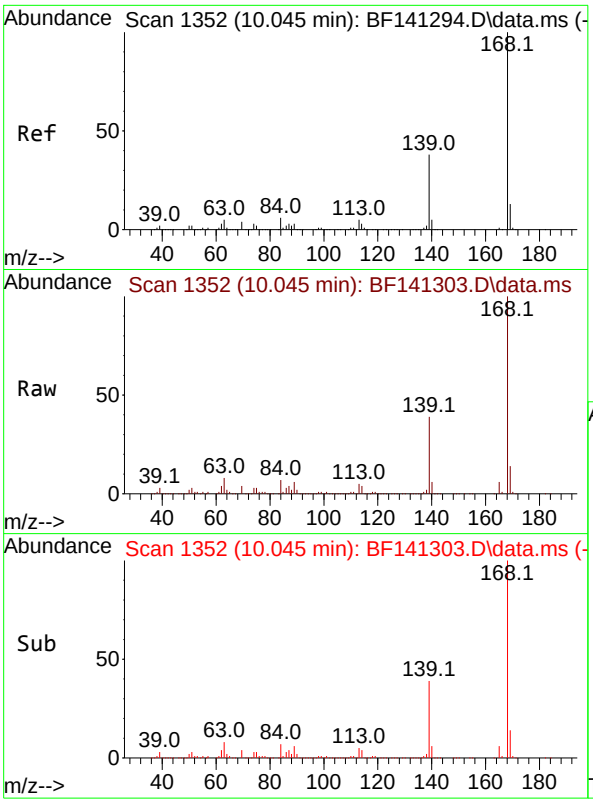


#54
2,4-Dinitrophenol
Concen: 101.996 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:184 Resp: 234093

Ion	Ratio	Lower	Upper
184	100		
63	70.0	54.1	81.1
154	64.5	50.7	76.1

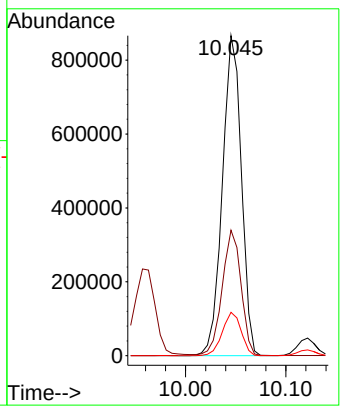




#55
Dibenzofuran
Concen: 44.361 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:168 Resp: 113644

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.6	46.0
169	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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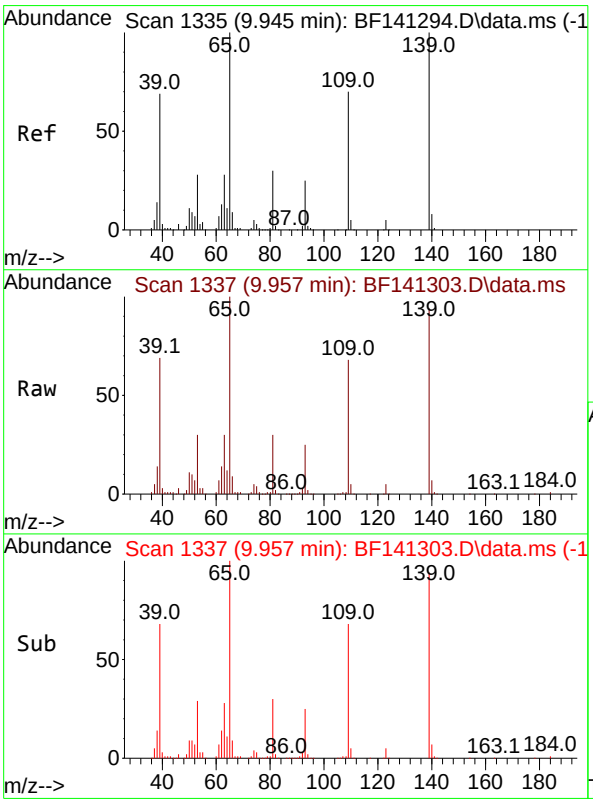
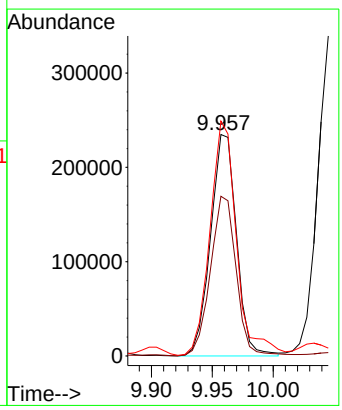
Supervised By :mohammad ahmed 01/31/2025

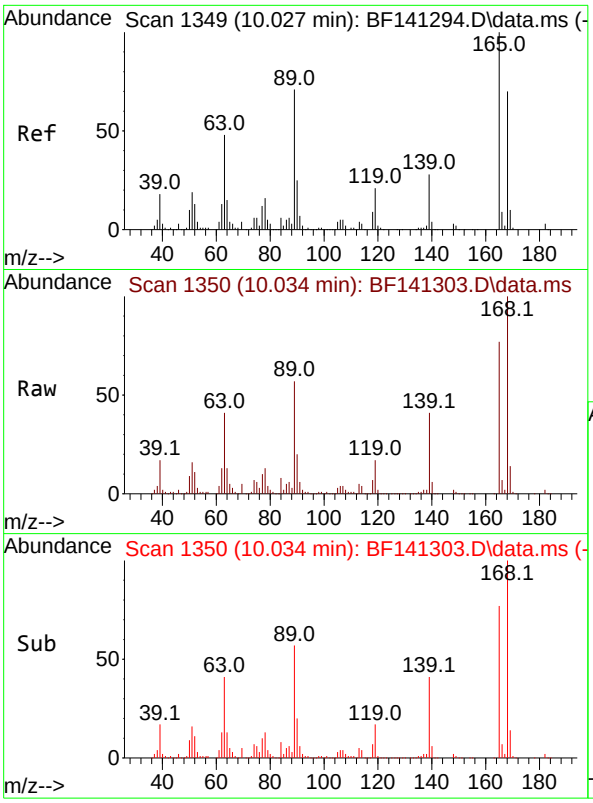


#56
4-Nitrophenol
Concen: 98.382 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:139 Resp: 348173

Ion	Ratio	Lower	Upper
139	100		
109	72.1	50.2	90.2
65	106.1	80.6	120.6

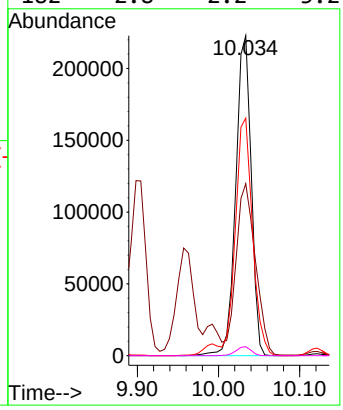




#57
2,4-Dinitrotoluene
Concen: 45.977 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:165 Resp: 29390

Ion	Ratio	Lower	Upper
165	100		
63	53.8	39.2	58.8
89	74.2	56.9	85.3
182	2.8	2.2	3.2



Instrument :
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ClientSampleId :
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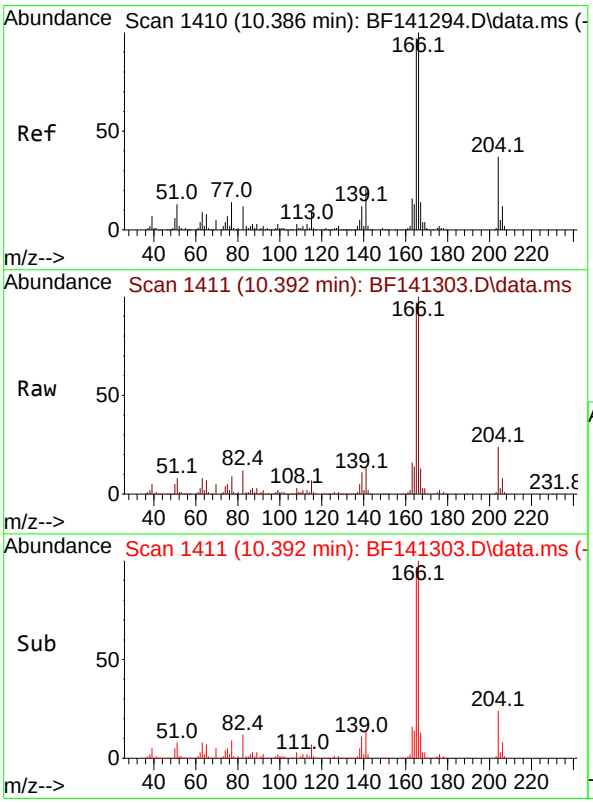
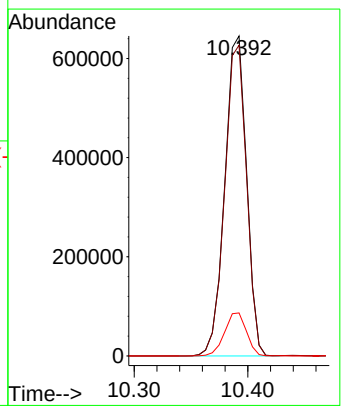
Supervised By :mohammad ahmed 01/31/2025

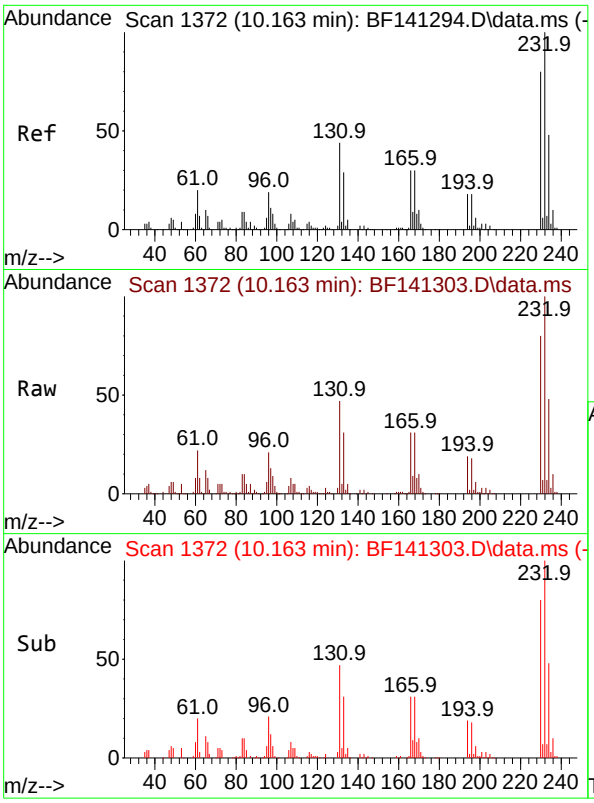


#58
Fluorene
Concen: 43.335 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:166 Resp: 861135

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.5	10.9	16.3

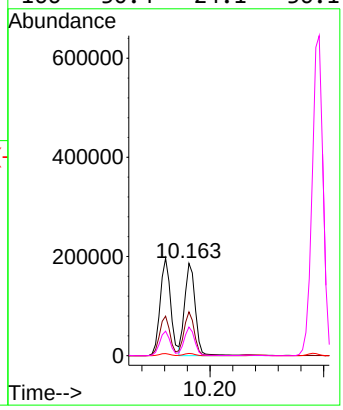




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.738 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:232 Resp: 23963

Ion	Ratio	Lower	Upper
232	100		
131	47.5	36.4	54.6
130	2.5	1.9	2.9
166	30.4	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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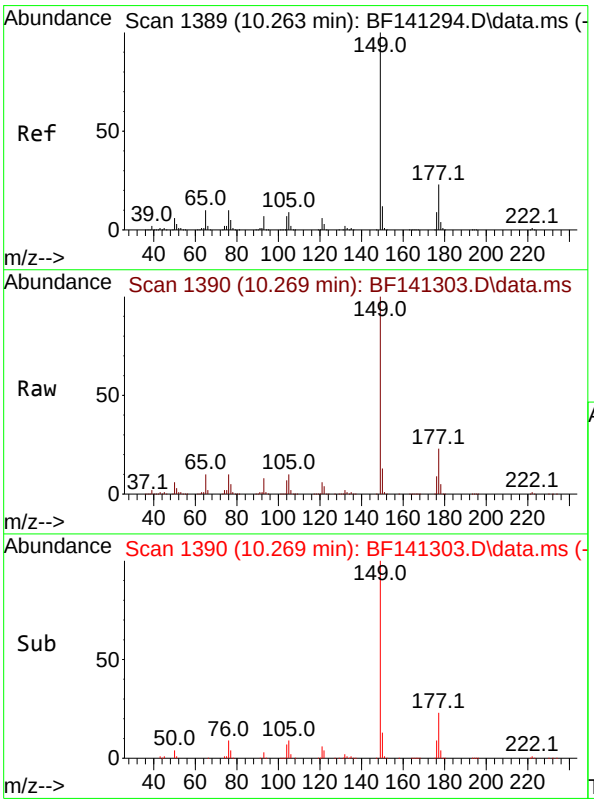
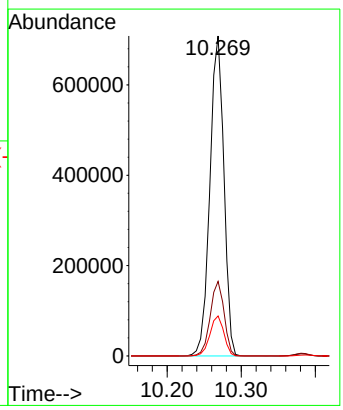
Supervised By :mohammad ahmed 01/31/2025

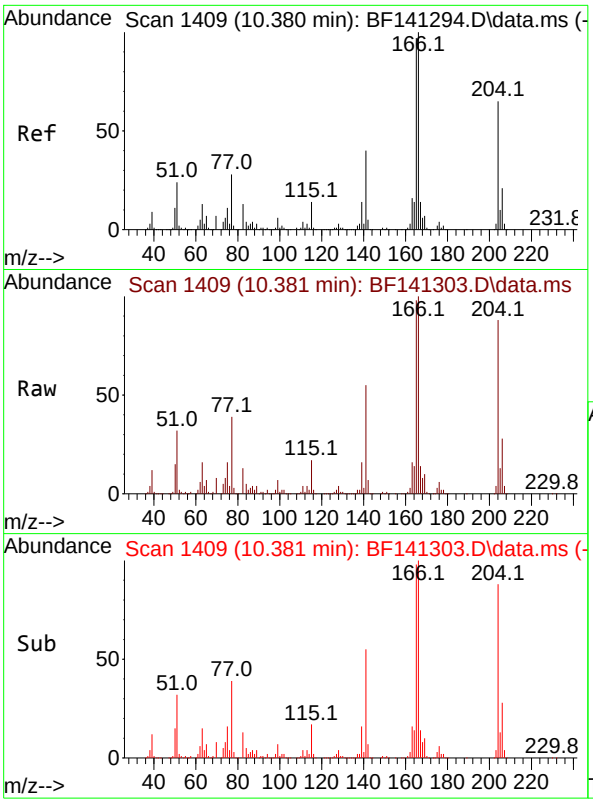


#60
Diethylphthalate
Concen: 45.051 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:149 Resp: 928855

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.5	27.7
150	12.5	10.0	15.0





#61
4-Chlorophenyl-phenylether
Concen: 43.368 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:204 Resp: 42096

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.9	38.9
141	62.9	49.5	74.3

Instrument :
BNA_F
ClientSampleId :
PB166335BS

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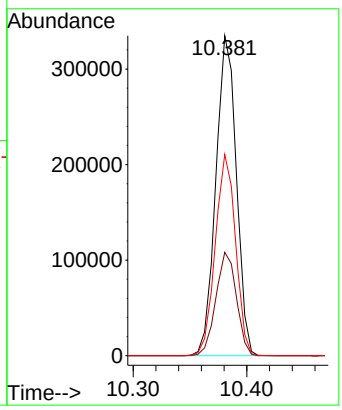
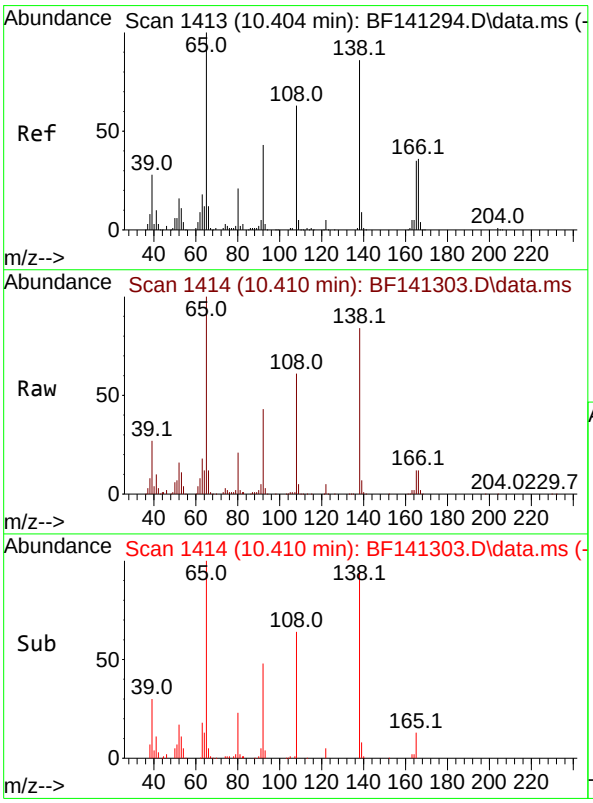
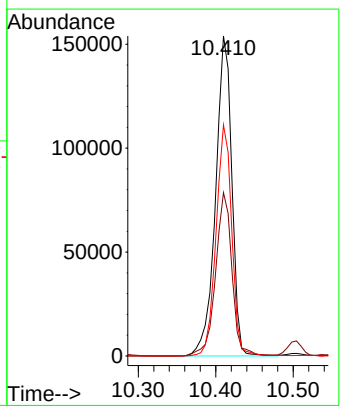


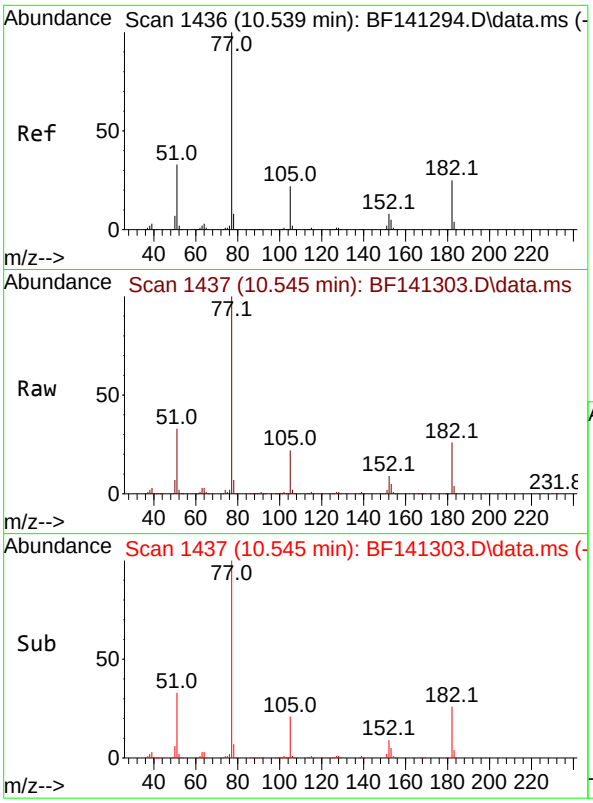


#62
4-Nitroaniline
Concen: 47.166 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:138 Resp: 224393

Ion	Ratio	Lower	Upper
138	100		
92	51.0	30.1	70.1
108	72.2	53.1	93.1





#63
Azobenzene
Concen: 45.821 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Instrument :
BNA_F
ClientSampleId :
PB166335BS

Tgt Ion: 77 Resp: 94565

Ion	Ratio	Lower	Upper
77	100		
182	26.2	5.1	45.1
105	22.0	1.8	41.8
51	33.4	14.0	54.0

Manual Integrations
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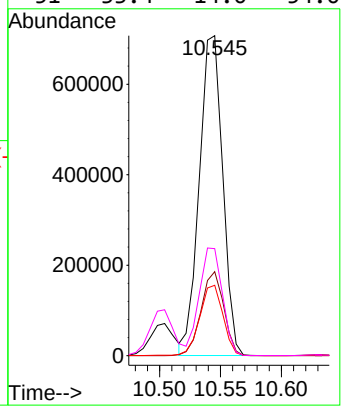
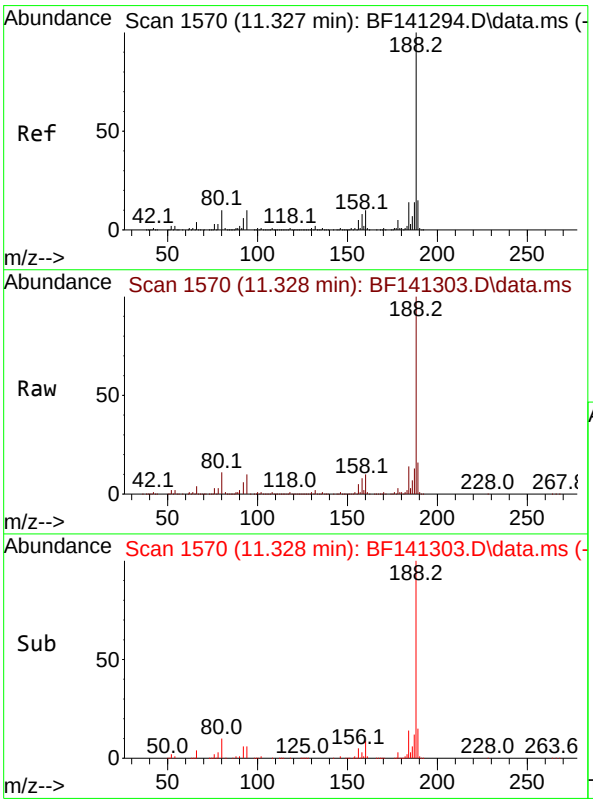
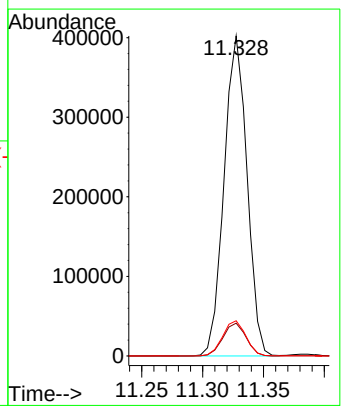


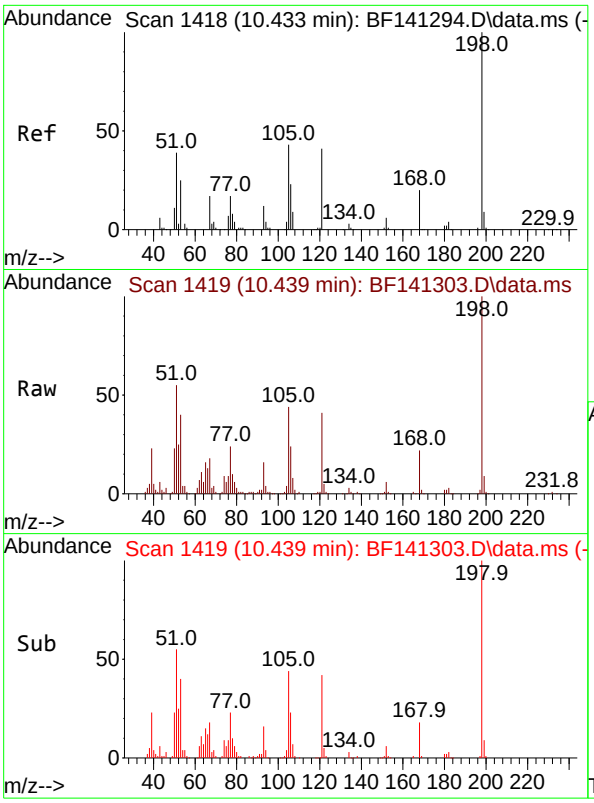


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:188 Resp: 527268

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	11.0	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 52.188 ng
RT: 10.439 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:198 Resp: 16276

Ion	Ratio	Lower	Upper
198	100		
51	54.5	33.4	73.4
105	44.0	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
PB166335BS

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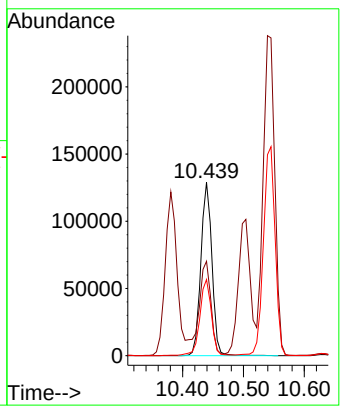
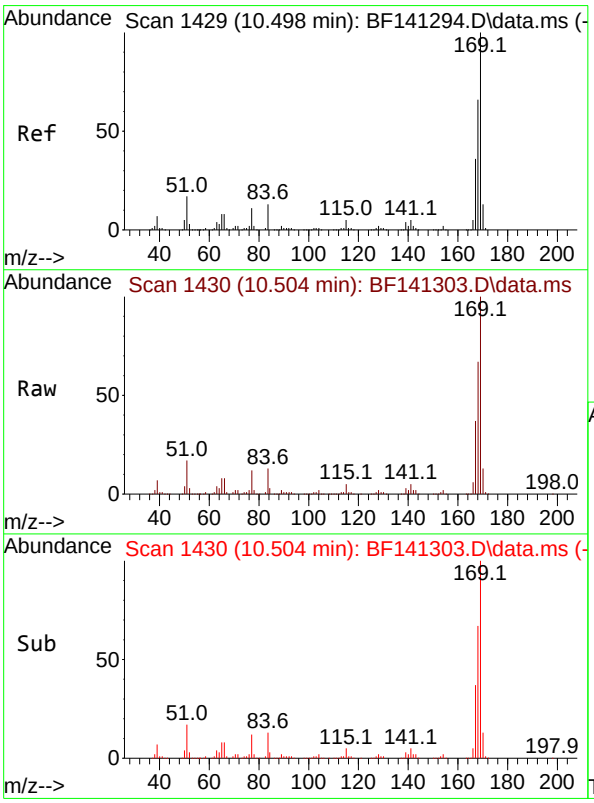
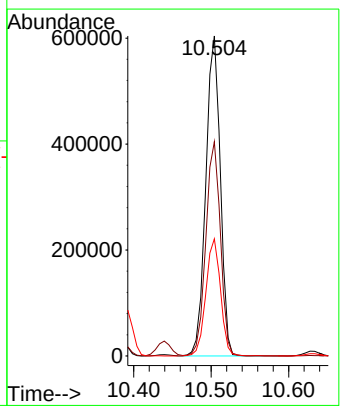


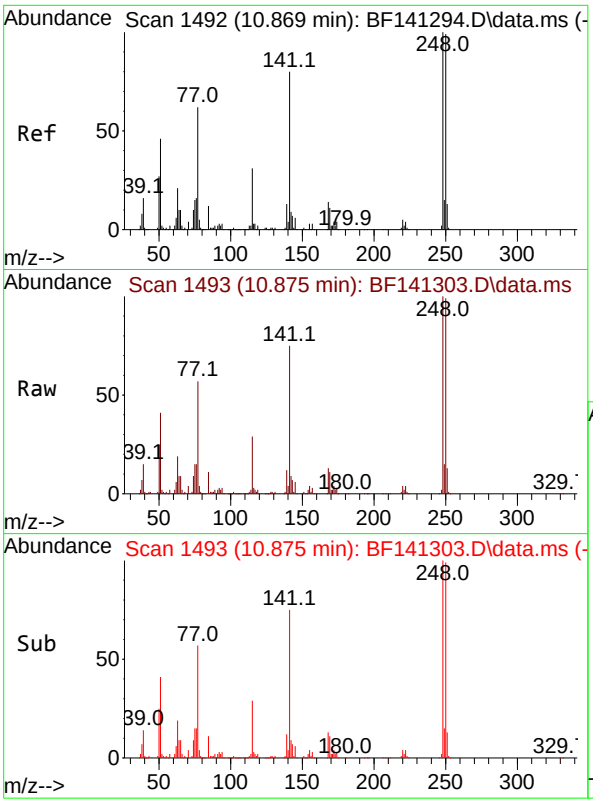


#66
n-Nitrosodiphenylamine
Concen: 46.003 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:169 Resp: 784521

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.0	79.4
167	36.6	28.8	43.2

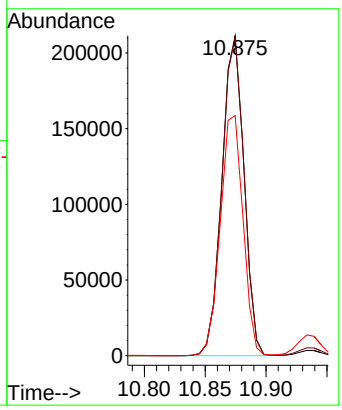




#67
4-Bromophenyl-phenylether
Concen: 45.301 ng
RT: 10.875 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:248 Resp: 26740

Ion	Ratio	Lower	Upper
248	100		
250	99.5	79.0	118.4
141	75.1	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
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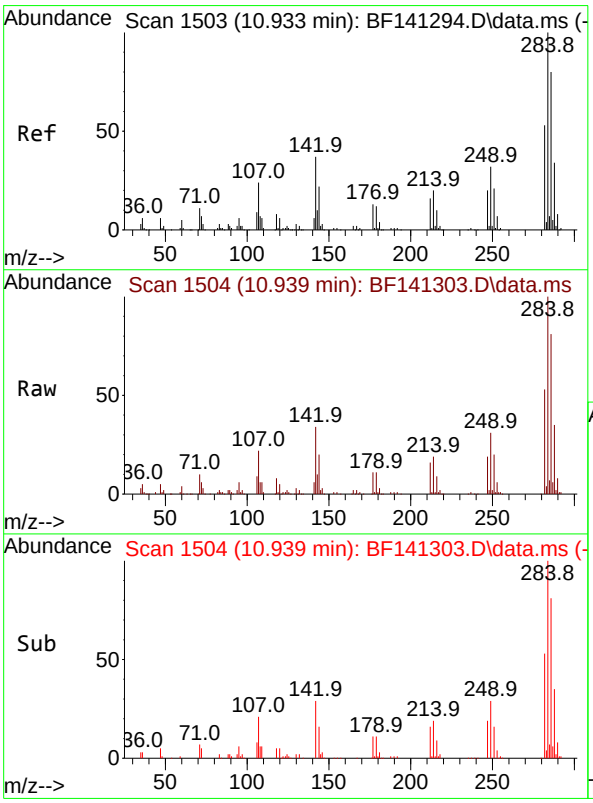
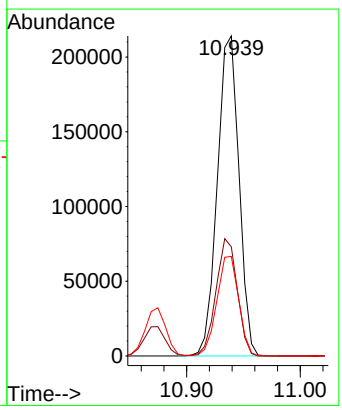
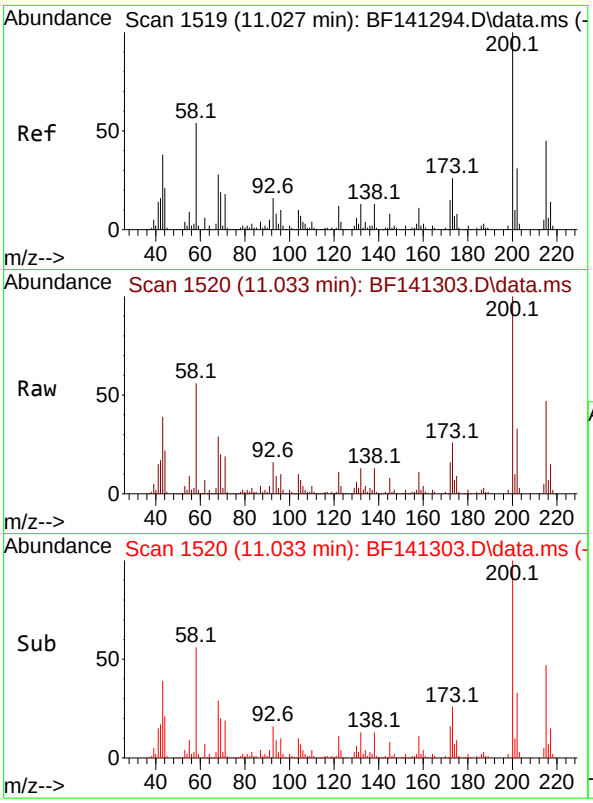


#68
Hexachlorobenzene
Concen: 45.293 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:284 Resp: 283607

Ion	Ratio	Lower	Upper
284	100		
142	34.1	29.5	44.3
249	31.1	25.4	38.2

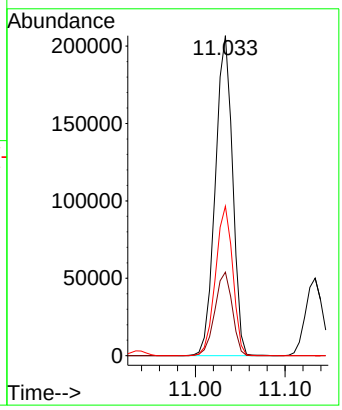




#69
Atrazine
Concen: 48.323 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:200 Resp: 27553

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.9	45.9
215	46.7	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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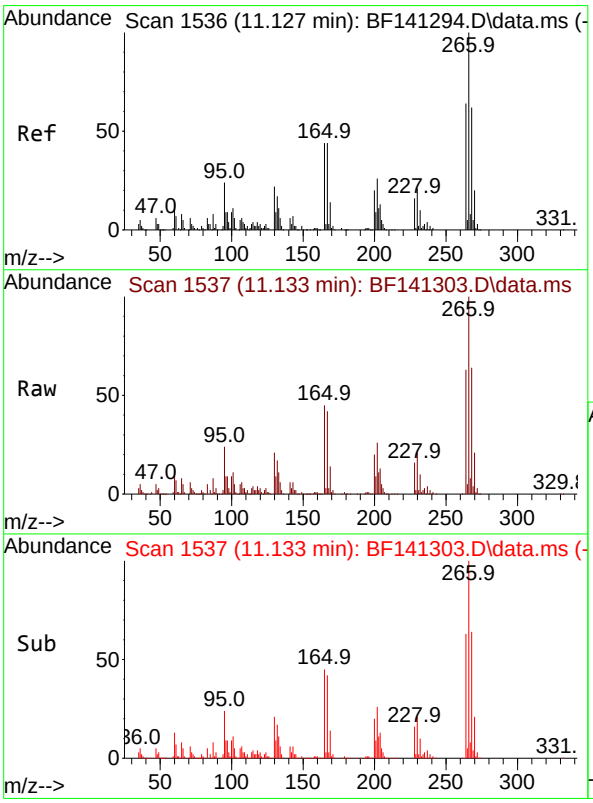
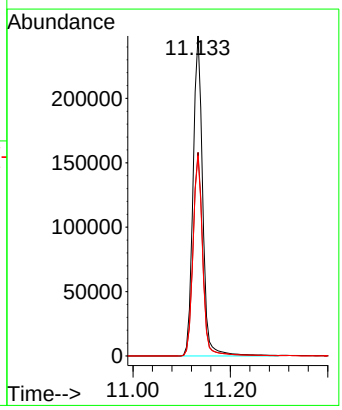
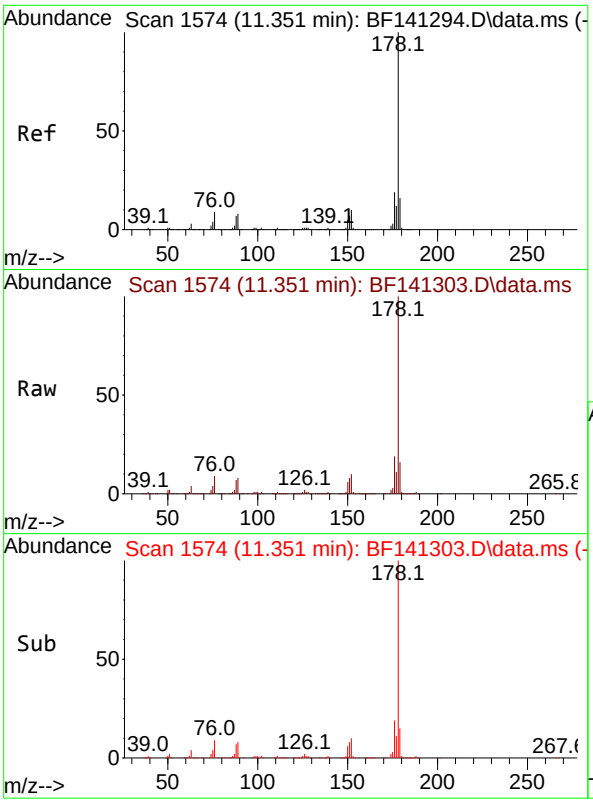


#70
Pentachlorophenol
Concen: 93.942 ng
RT: 11.133 min Scan# 1537
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:266 Resp: 344451

Ion	Ratio	Lower	Upper
266	100		
268	63.7	49.9	74.9
264	62.6	51.0	76.4

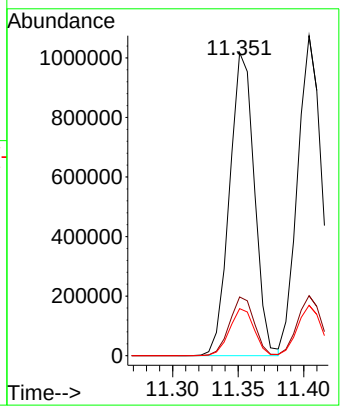




#71
Phenanthrene
Concen: 47.307 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:178 Resp: 134080

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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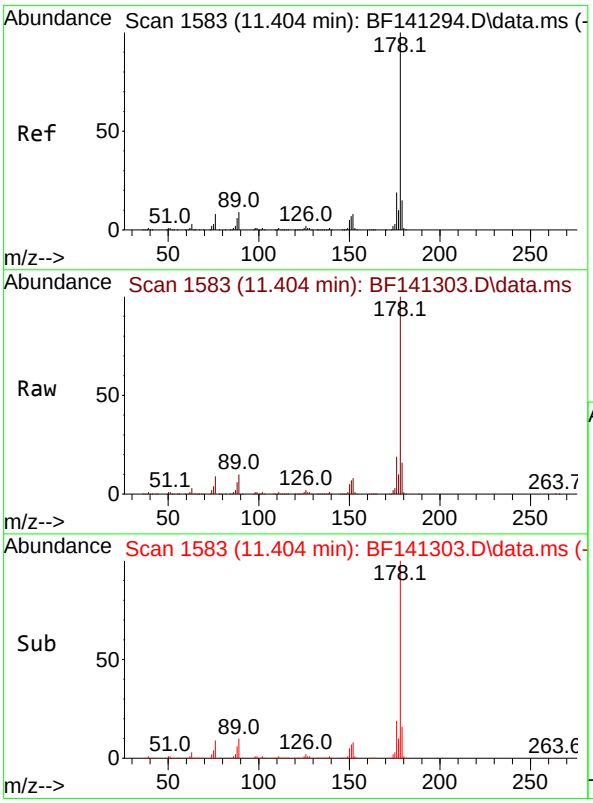
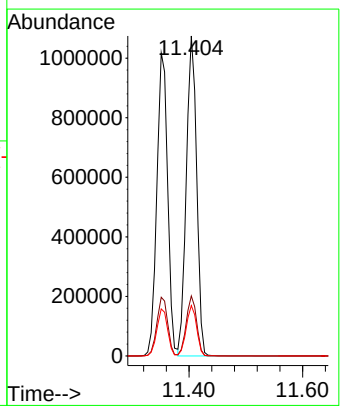
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

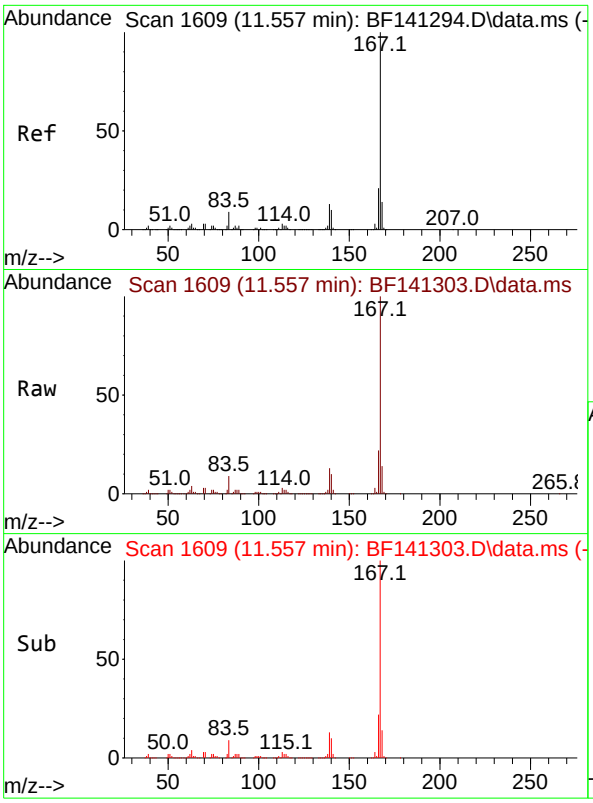


#72
Anthracene
Concen: 48.866 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:178 Resp: 1357047

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.8	12.3	18.5

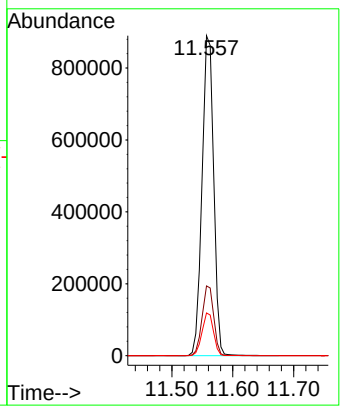




#73
Carbazole
Concen: 47.979 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:167 Resp: 118147

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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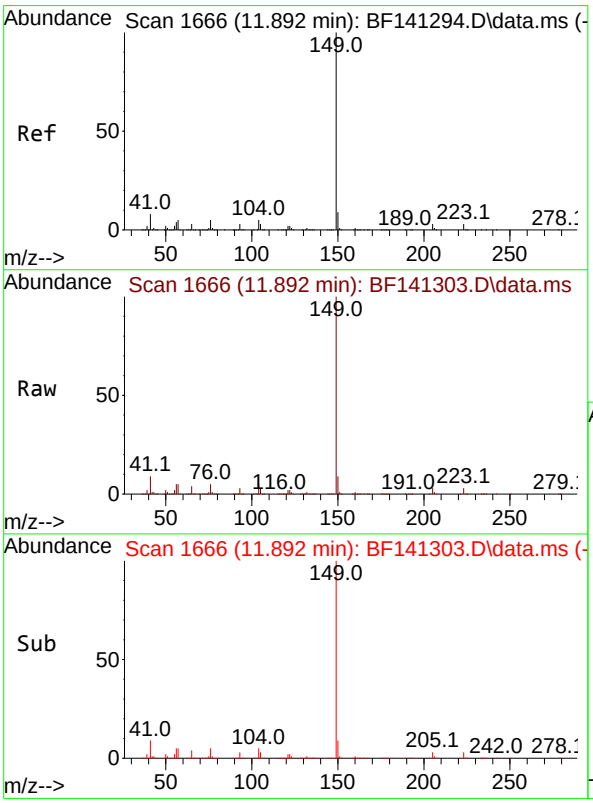
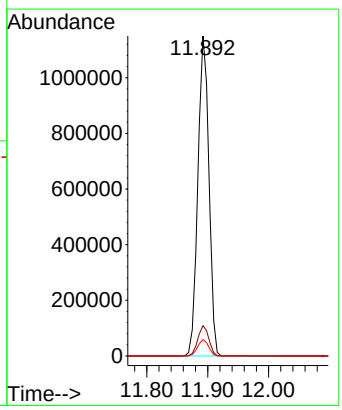
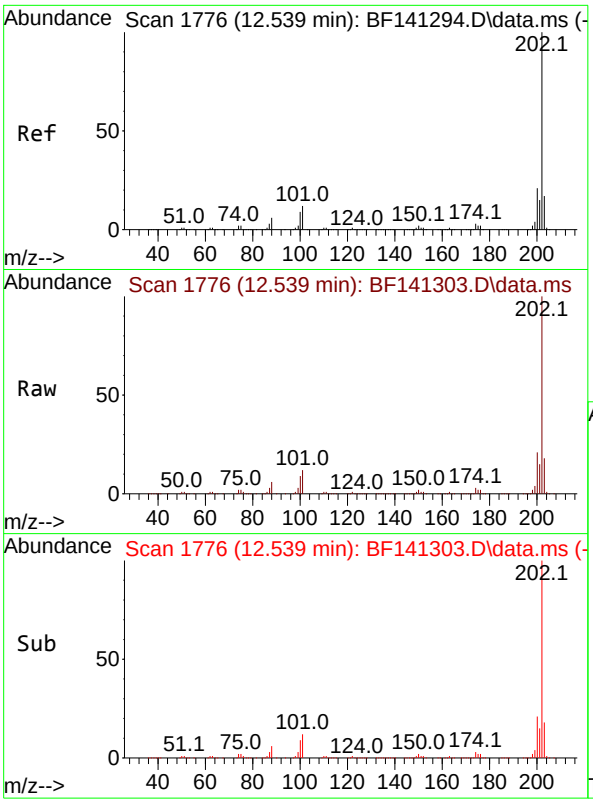


#74
Di-n-butylphthalate
Concen: 48.248 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:149 Resp: 1439854

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	3.9	5.9

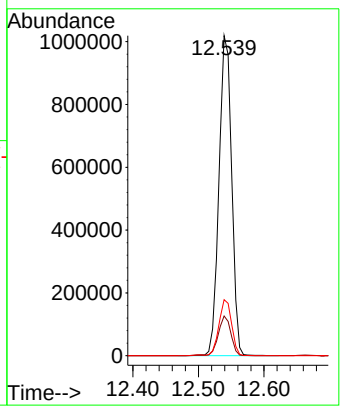




#75
Fluoranthene
Concen: 48.639 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:202 Resp: 136116

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	17.5	0.0	37.5



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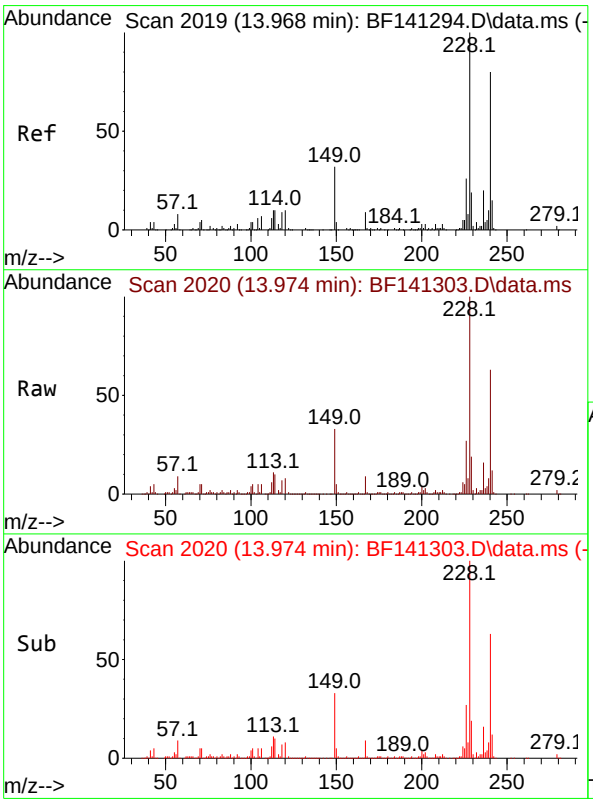
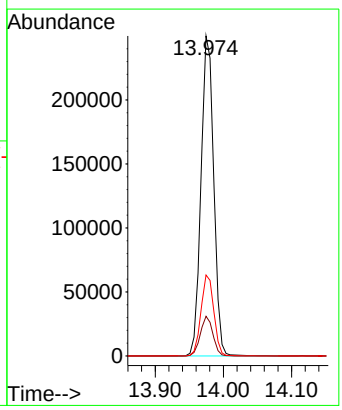
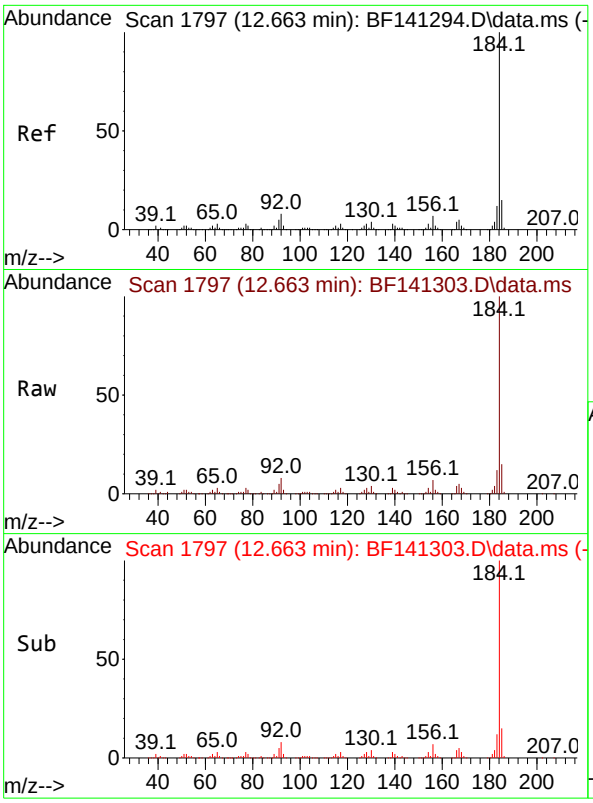


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:240 Resp: 325031

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.3	19.7	29.5

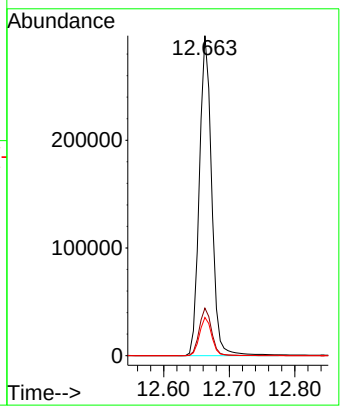




#77
Benzidine
Concen: 37.427 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:184 Resp: 38998

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.9	17.9
183	11.9	9.5	14.3



Instrument :
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ClientSampleId :
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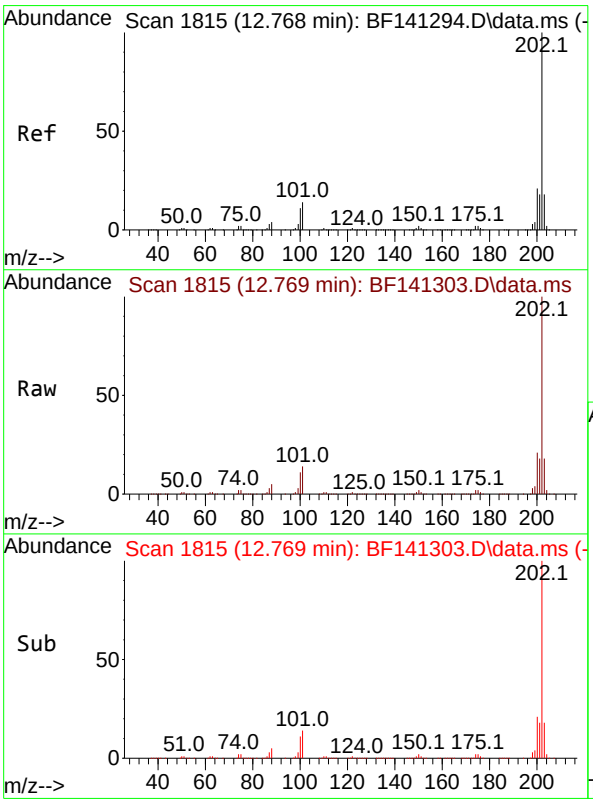
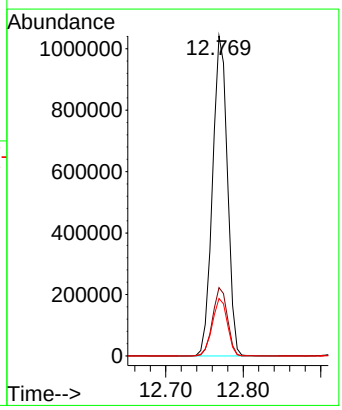
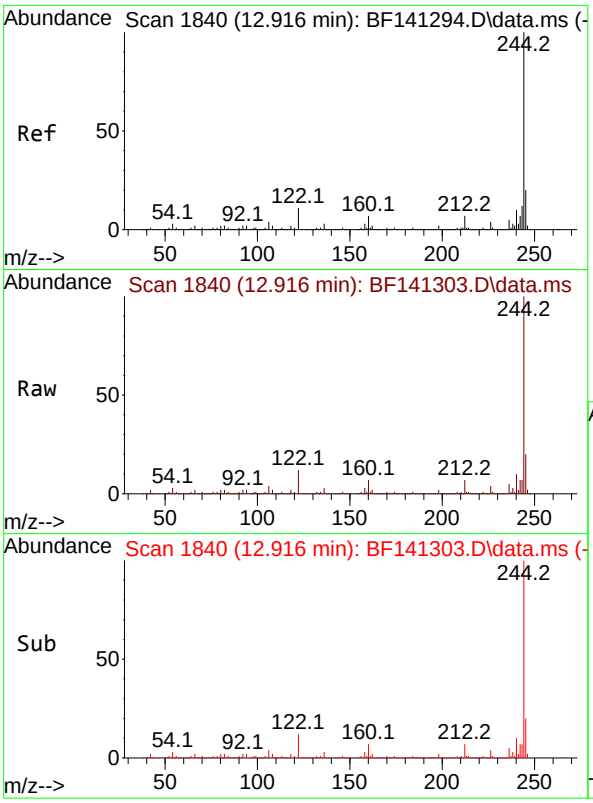


#78
Pyrene
Concen: 44.402 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:202 Resp: 1385347

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

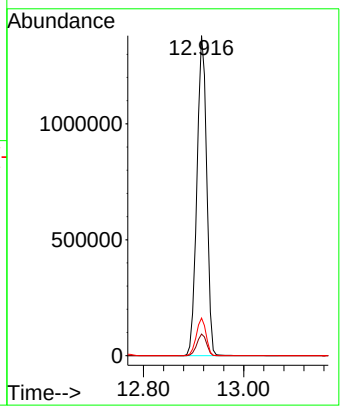




#79
Terphenyl-d14
Concen: 88.161 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:244 Resp: 185808

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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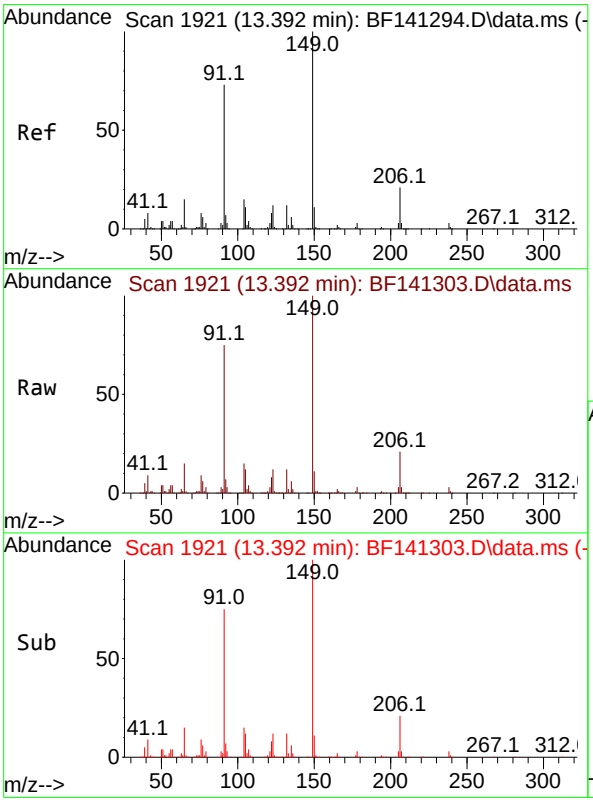
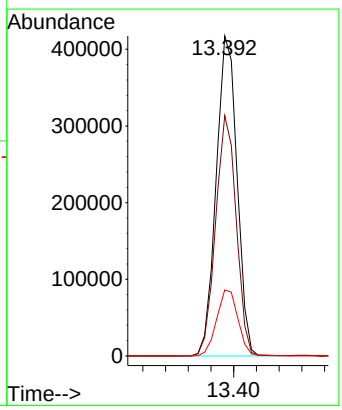
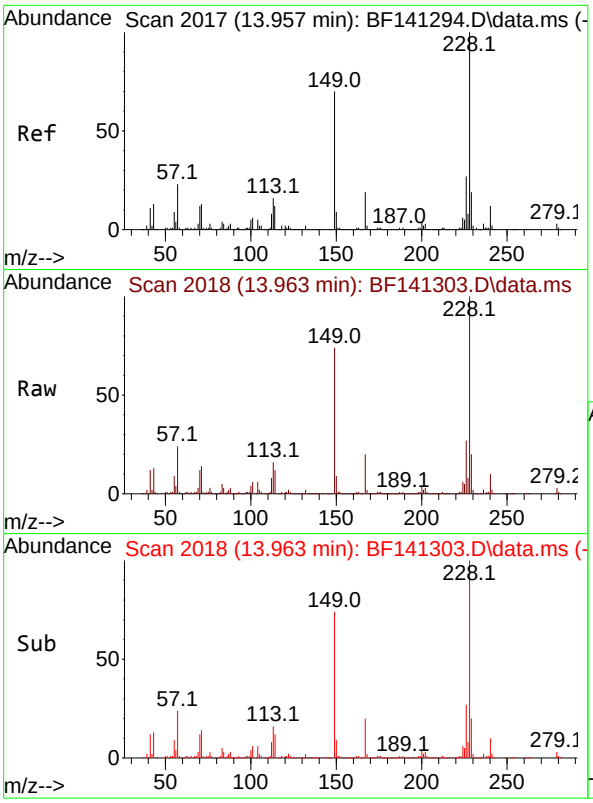


#80
Butylbenzylphthalate
Concen: 48.924 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:149 Resp: 533265

Ion	Ratio	Lower	Upper
149	100		
91	75.1	58.6	87.8
206	20.6	16.7	25.1

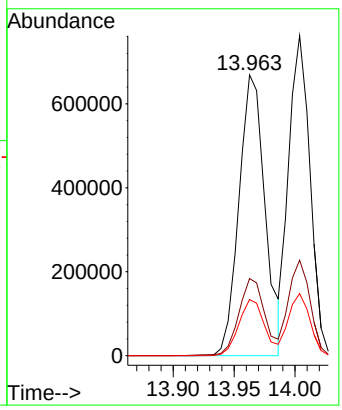




#81
Benzo(a)anthracene
Concen: 44.617 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:228 Resp: 100070

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.2
229	20.0	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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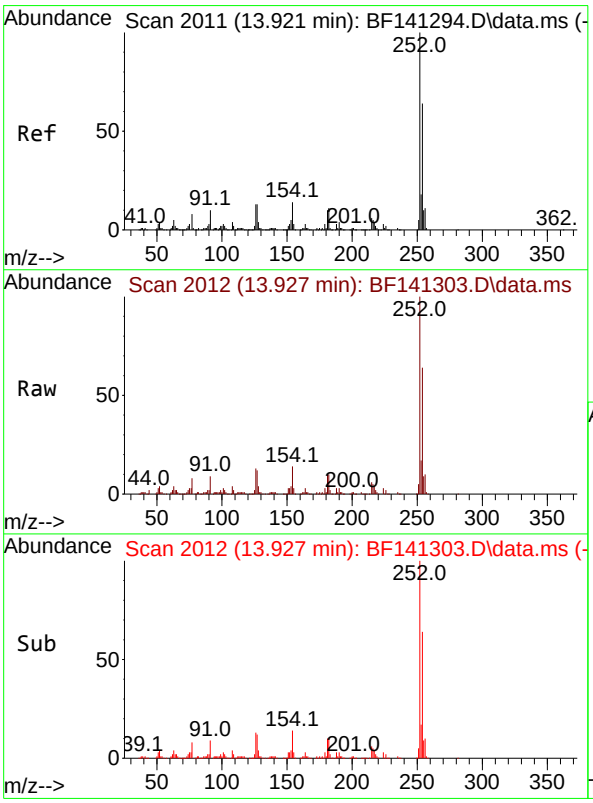
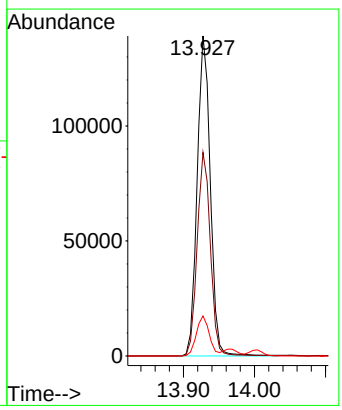
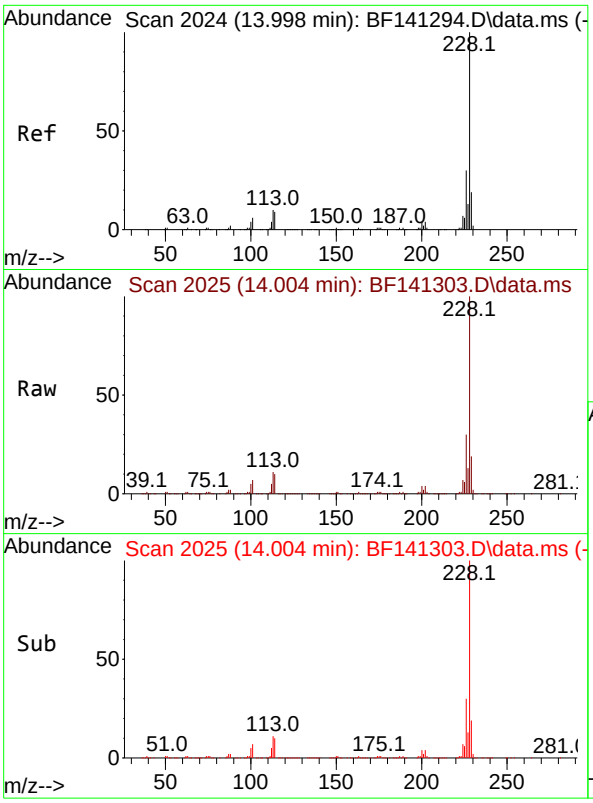


#82
3,3'-Dichlorobenzidine
Concen: 25.107 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:252 Resp: 179099

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.3	76.9
126	12.5	10.0	15.0

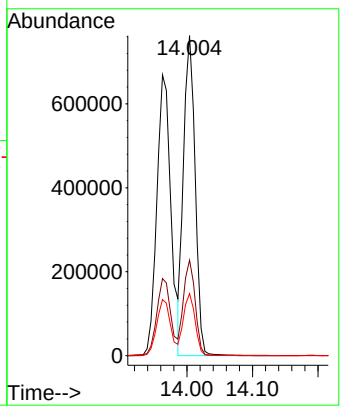




#83
Chrysene
Concen: 45.556 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:228 Resp: 93642

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB166335BS

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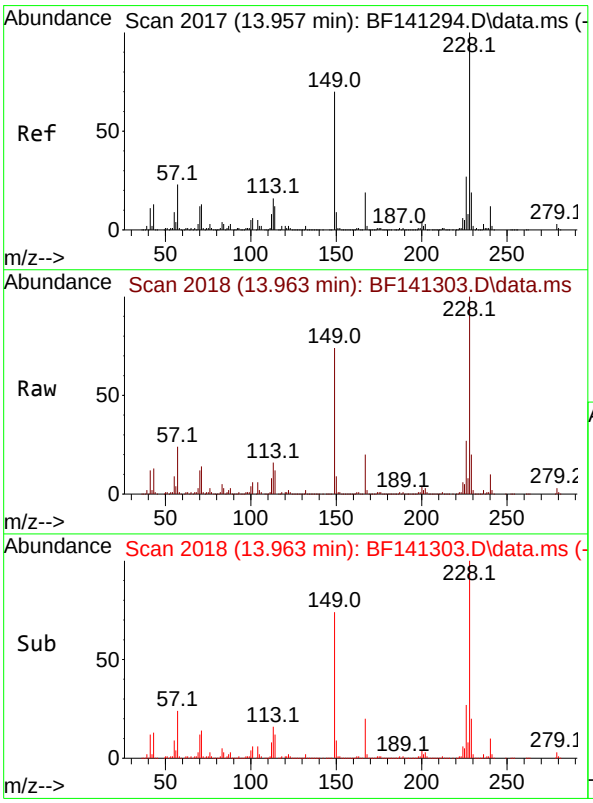
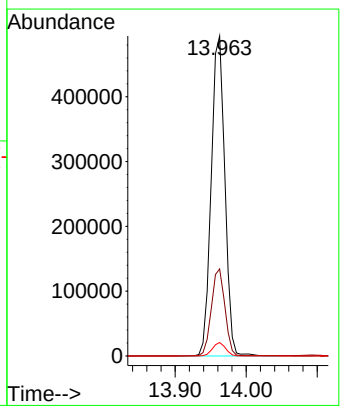
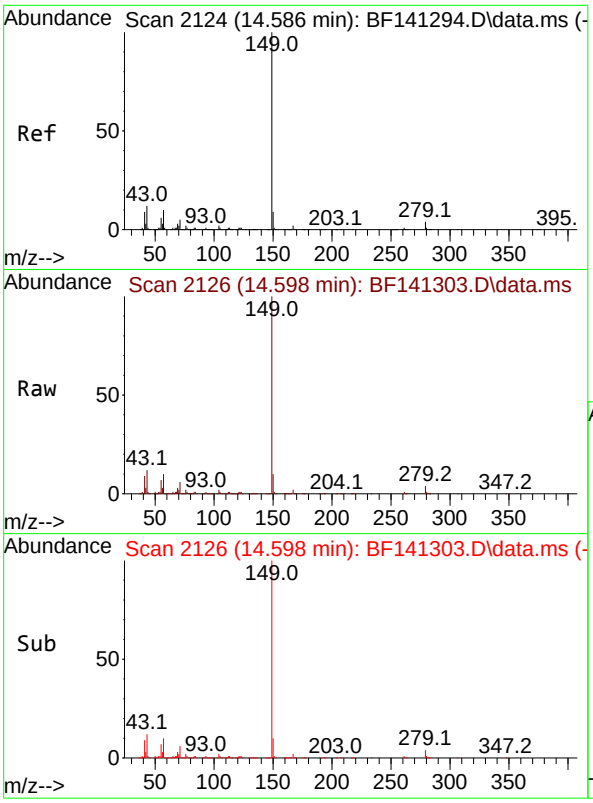


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.608 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:149 Resp: 658277

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.8	32.8
279	4.2	3.3	4.9

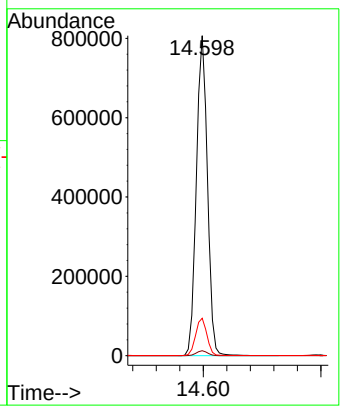




#85
Di-n-octyl phthalate
Concen: 49.069 ng
RT: 14.598 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:149 Resp: 105380

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.9	9.8	14.8



Instrument :
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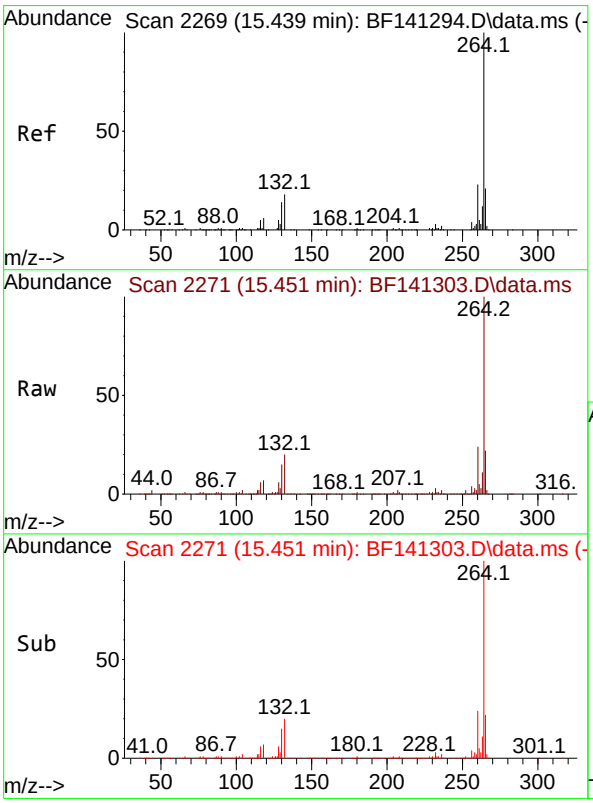
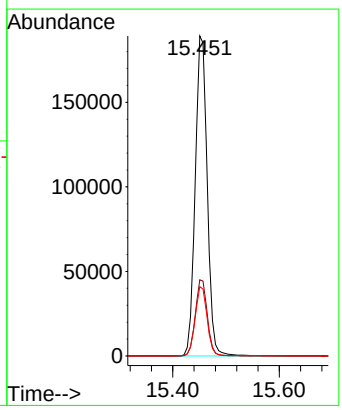
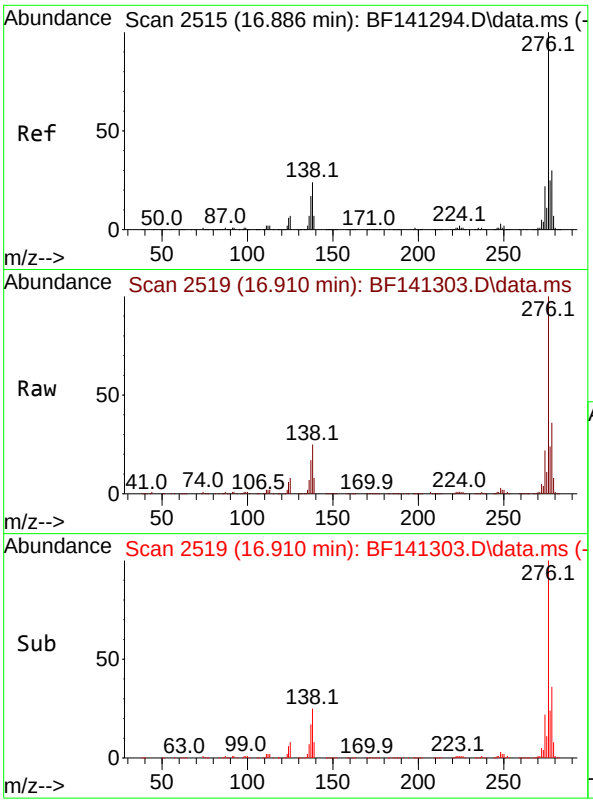


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:264 Resp: 295368

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	21.6	16.7	25.1

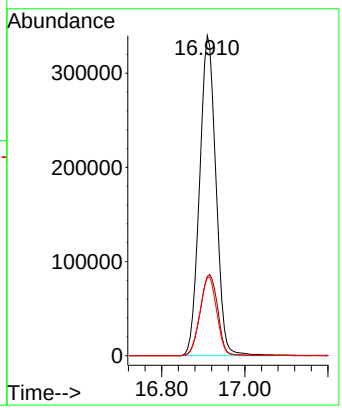




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.747 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:276 Resp: 92930

Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.7	32.5
277	25.2	20.3	30.5



Instrument :
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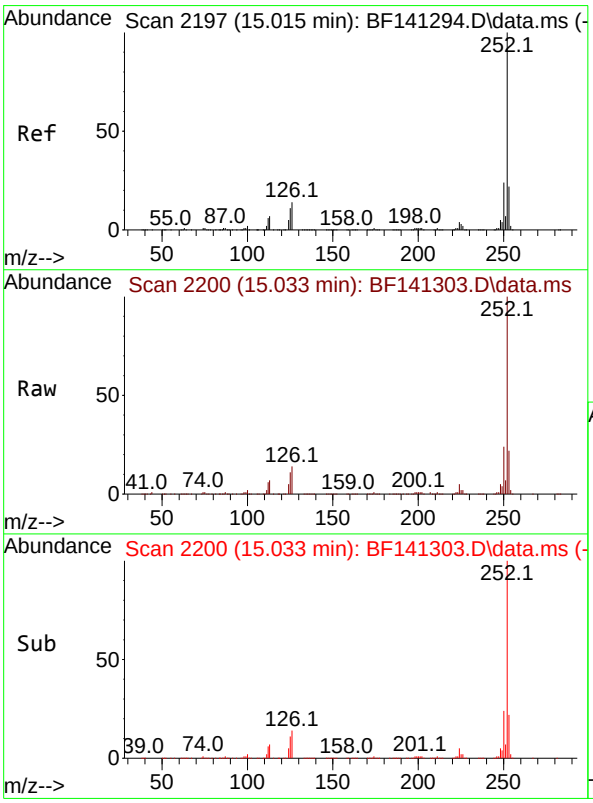
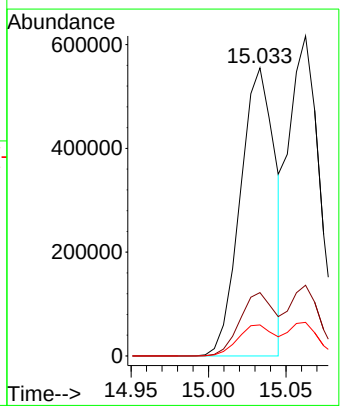
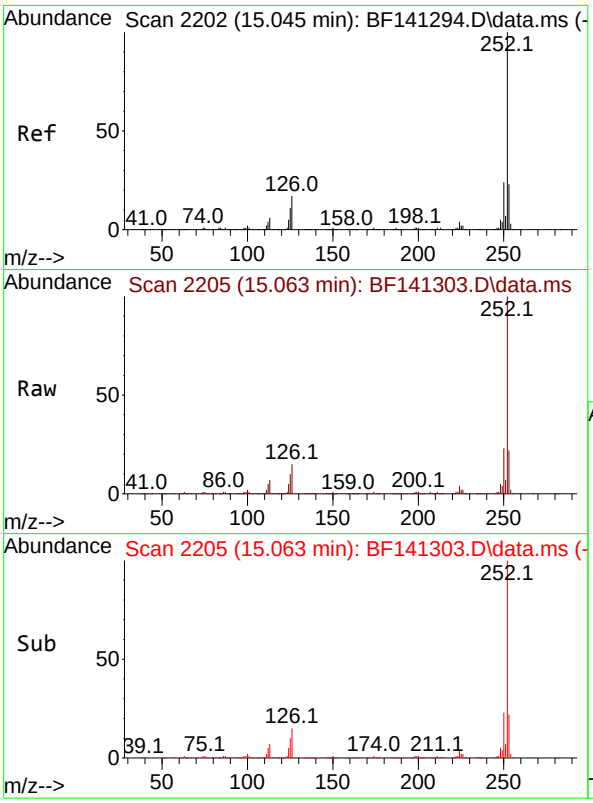


#88
Benzo(b)fluoranthene
Concen: 46.618 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:252 Resp: 866127

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.8	8.6	12.8

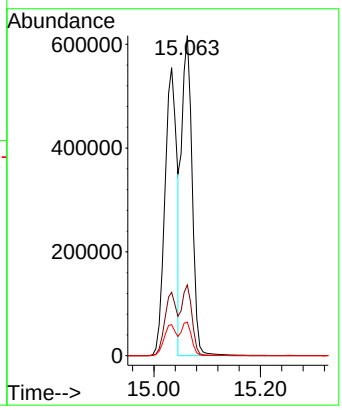




#89
Benzo(k)fluoranthene
Concen: 51.164 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:252 Resp: 84211

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.5	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
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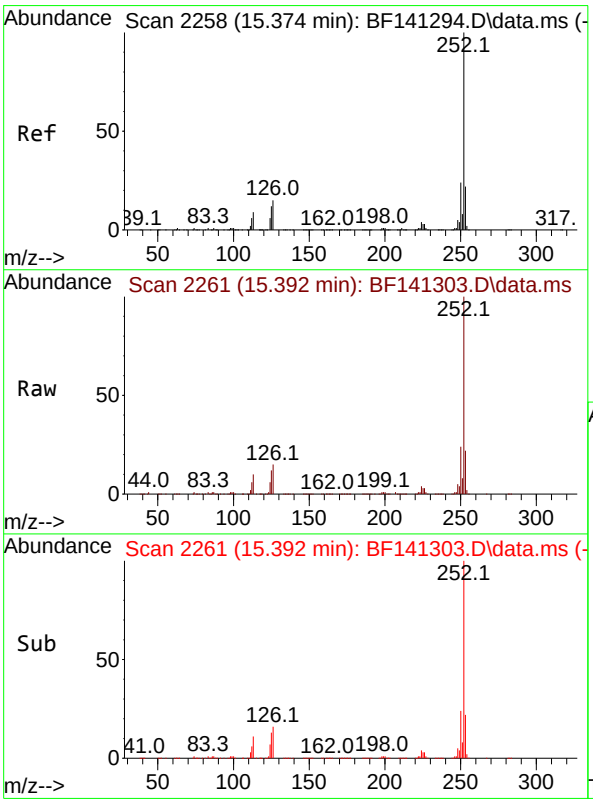
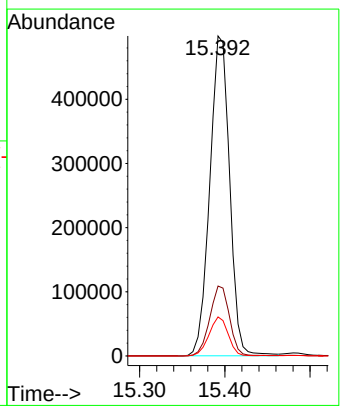
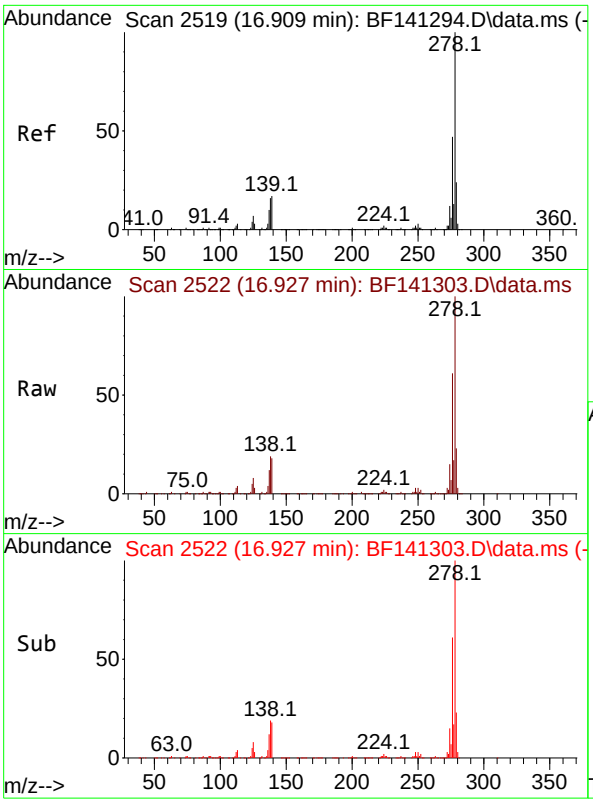


#90
Benzo(a)pyrene
Concen: 51.366 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:252 Resp: 806465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	12.2	9.4	14.2

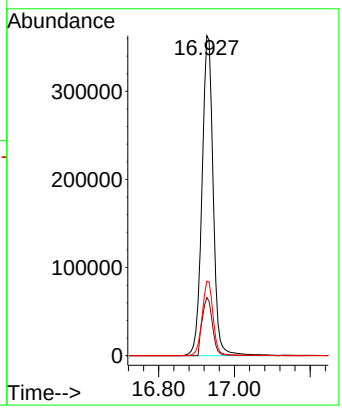




#91
Dibenzo(a,h)anthracene
Concen: 48.629 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:278 Resp: 74584

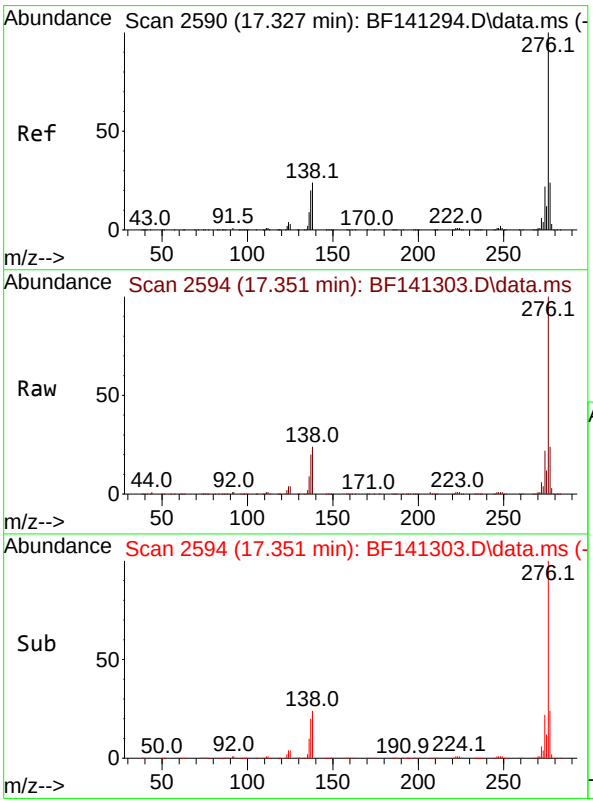
Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.9	20.9
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB166335BS

Manual Integrations
APPROVED

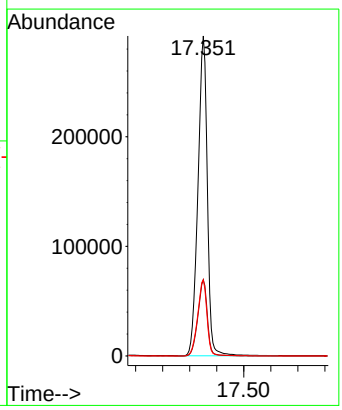
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025



#92
Benzo(g,h,i)perylene
Concen: 44.287 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.006 min
Lab File: BF141303.D
Acq: 30 Jan 2025 09:57

Tgt Ion:276 Resp: 706279

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	23.8	19.0	28.4



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MS	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141315.D	1	01/29/25 08:40	01/30/25 16:03	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		120	220	ug/Kg
108-95-2	Phenol	880		56.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	870		56.7	120	ug/Kg
95-57-8	2-Chlorophenol	890		56.6	120	ug/Kg
95-48-7	2-Methylphenol	890		54.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		61.6	120	ug/Kg
98-86-2	Acetophenone	930		58.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	840		54.1	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		27.3	54.2	ug/Kg
67-72-1	Hexachloroethane	840		56.3	120	ug/Kg
98-95-3	Nitrobenzene	830		61.5	120	ug/Kg
78-59-1	Isophorone	890		57.3	120	ug/Kg
88-75-5	2-Nitrophenol	890		64.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		63.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	870		58.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	870		51.2	120	ug/Kg
91-20-3	Naphthalene	830		56.0	120	ug/Kg
106-47-8	4-Chloroaniline	340		56.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	820		56.5	120	ug/Kg
105-60-2	Caprolactam	970		58.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	890		52.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	820		55.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3300	E	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	910		48.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	810		50.2	120	ug/Kg
92-52-4	1,1-Biphenyl	920		59.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	820		56.5	120	ug/Kg
88-74-4	2-Nitroaniline	880		64.4	120	ug/Kg
131-11-3	Dimethylphthalate	860		55.4	120	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MS	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141315.D	1	01/29/25 08:40	01/30/25 16:03	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	910		58.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	820		56.4	120	ug/Kg
99-09-2	3-Nitroaniline	400		60.5	120	ug/Kg
83-32-9	Acenaphthene	940		55.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	78.6	220	ug/Kg
132-64-9	Dibenzofuran	840		57.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	860		58.4	120	ug/Kg
84-66-2	Diethylphthalate	850		54.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	820		58.0	120	ug/Kg
86-73-7	Fluorene	830		58.0	120	ug/Kg
100-01-6	4-Nitroaniline	880		72.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		79.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	900		55.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	880		53.5	120	ug/Kg
118-74-1	Hexachlorobenzene	870		57.6	120	ug/Kg
1912-24-9	Atrazine	980		61.9	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	52.4	220	ug/Kg
85-01-8	Phenanthrene	890		56.9	120	ug/Kg
120-12-7	Anthracene	920		57.2	120	ug/Kg
86-74-8	Carbazole	910		54.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	910		57.1	120	ug/Kg
206-44-0	Fluoranthene	870		55.4	120	ug/Kg
129-00-0	Pyrene	880		56.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		65.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		66.8	220	ug/Kg
56-55-3	Benzo(a)anthracene	830		54.7	120	ug/Kg
218-01-9	Chrysene	880		53.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	960		61.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	910		74.6	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	860		55.0	120	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MS	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141315.D	1	01/29/25 08:40	01/30/25 16:03	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	870		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	950		63.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		55.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	940		54.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	910		58.8	120	ug/Kg
123-91-1	1,4-Dioxane	870		74.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	910		50.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.1		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	88.4		15 - 107	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.6		18 - 107	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.4		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.3		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	65.2		10 - 105	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167000	6.798			
1146-65-2	Naphthalene-d8	670000	8.081			
15067-26-2	Acenaphthene-d10	361000	9.839			
1517-22-2	Phenanthrene-d10	590000	11.328			
1719-03-5	Chrysene-d12	319000	13.974			
1520-96-3	Perylene-d12	316000	15.445			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141315.D
Acq On : 30 Jan 2025 16:03
Operator : RC/JU
Sample : Q1209-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 30 16:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	167075	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	669898	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	361408	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	589870	20.000	ng	0.00
76) Chrysene-d12	13.974	240	319317	20.000	ng	0.00
86) Perylene-d12	15.445	264	315915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	958938	88.114	ng	0.00
7) Phenol-d6	6.428	99	1223169	88.351	ng	-0.01
23) Nitrobenzene-d5	7.363	82	782312	61.563	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	309128	93.300	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1347404	57.384	ng	0.00
79) Terphenyl-d14	12.910	244	1349280	65.165	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.610	88	183718	38.384	ng	100
3) Pyridine	3.328	79	429489	37.243	ng	99
4) n-Nitrosodimethylamine	3.287	42	258831	39.289	ng	100
6) Aniline	6.463	93	392868	33.523	ng	98
8) 2-Chlorophenol	6.581	128	457640	39.233	ng	98
9) Benzaldehyde	6.351	77	407982	50.876	ng	98
10) Phenol	6.445	94	572177	38.988	ng	95
11) bis(2-Chloroethyl)ether	6.534	93	435282	38.683	ng	100
12) 1,3-Dichlorobenzene	6.740	146	466993	36.310	ng	99
13) 1,4-Dichlorobenzene	6.816	146	475503	36.802	ng	100
14) 1,2-Dichlorobenzene	6.969	146	455246	37.628	ng	98
15) Benzyl Alcohol	6.940	79	388911	41.106	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	789105	40.328	ng	99
17) 2-Methylphenol	7.051	107	373745	39.424	ng	98
18) Hexachloroethane	7.310	117	176604	37.051	ng	98
19) n-Nitroso-di-n-propyla...	7.210	70	309827	37.662	ng	100
20) 3+4-Methylphenols	7.204	107	434424	37.321	ng	92
22) Acetophenone	7.210	105	654231	41.086	ng	98
24) Nitrobenzene	7.381	77	481987	36.600	ng	99
25) Isophorone	7.622	82	869191	39.569	ng	99
26) 2-Nitrophenol	7.698	139	244478	39.364	ng	98
27) 2,4-Dimethylphenol	7.734	122	388605	49.159	ng	99
28) bis(2-Chloroethoxy)met...	7.834	93	542293	38.703	ng	99
29) 2,4-Dichlorophenol	7.940	162	373371	38.581	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	394571	35.701	ng	99
31) Naphthalene	8.104	128	1303056	36.821	ng	100
32) Benzoic acid	7.857	122	305768	42.076	ng	99
33) 4-Chloroaniline	8.151	127	180833	15.069	ng	99
34) Hexachlorobutadiene	8.222	225	234884	36.240	ng	99
35) Caprolactam	8.522	113	135885m	42.993	ng	
36) 4-Chloro-3-methylphenol	8.634	107	409952	39.492	ng	97
37) 2-Methylnaphthalene	8.792	142	818250	36.379	ng	100
38) 1-Methylnaphthalene	8.892	142	799890	36.203	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	416191	40.479	ng	99
41) Hexachlorocyclopentadiene	8.945	237	449360	147.988	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	271365	40.323	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141315.D
Acq On : 30 Jan 2025 16:03
Operator : RC/JU
Sample : Q1209-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 30 16:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	262590	35.851	ng	99
46) 1,1'-Biphenyl	9.257	154	1148416	40.745	ng	99
47) 2-Chloronaphthalene	9.281	162	796174	36.241	ng	99
48) 2-Nitroaniline	9.381	65	268545	38.862	ng	99
49) Acenaphthylene	9.698	152	1236080	40.194	ng	100
50) Dimethylphthalate	9.563	163	931376	38.156	ng	99
51) 2,6-Dinitrotoluene	9.622	165	206068	36.359	ng	100
52) Acenaphthene	9.869	154	910445	41.441	ng	100
53) 3-Nitroaniline	9.786	138	99441	17.902	ng	97
54) 2,4-Dinitrophenol	9.898	184	245895	93.333	ng	97
55) Dibenzofuran	10.045	168	1093675	37.190	ng	99
56) 4-Nitrophenol	9.957	139	360991	88.860	ng	98
57) 2,4-Dinitrotoluene	10.028	165	280902	38.281	ng	96
58) Fluorene	10.386	166	840449	36.844	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	231917	40.247	ng	99
60) Diethylphthalate	10.263	149	893576	37.755	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	405320	36.376	ng	99
62) 4-Nitroaniline	10.410	138	211996	38.819	ng	99
63) Azobenzene	10.539	77	1037084	43.776	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	156125	44.747	ng	96
66) n-Nitrosodiphenylamine	10.498	169	757543	39.707	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	258485	39.142	ng	98
68) Hexachlorobenzene	10.933	284	268678	38.355	ng	100
69) Atrazine	11.028	200	276513	43.348	ng	99
70) Pentachlorophenol	11.128	266	338623	82.551	ng	99
71) Phenanthrene	11.351	178	1246279	39.305	ng	100
72) Anthracene	11.404	178	1270809	40.904	ng	100
73) Carbazole	11.557	167	1104522	40.093	ng	99
74) Di-n-butylphthalate	11.892	149	1342332	40.206	ng	100
75) Fluoranthene	12.539	202	1199766	38.321	ng	100
77) Benzidine	12.663	184	534831	52.246	ng	100
78) Pyrene	12.769	202	1190370	38.836	ng	100
80) Butylbenzylphthalate	13.392	149	473214	44.191	ng	100
81) Benzo(a)anthracene	13.963	228	812023	36.852	ng	100
82) 3,3'-Dichlorobenzidine	13.927	252	205049	29.259	ng	99
83) Chrysene	13.998	228	784739	38.860	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	575904	42.396	ng	99
85) Di-n-octyl phthalate	14.592	149	845371	40.068	ng	100
87) Indeno(1,2,3-cd)pyrene	16.904	276	916478	44.947	ng	99
88) Benzo(b)fluoranthene	15.027	252	756397	38.064	ng	99
89) Benzo(k)fluoranthene	15.057	252	677523	38.487	ng	100
90) Benzo(a)pyrene	15.386	252	704442	41.949	ng	100
91) Dibenzo(a,h)anthracene	16.921	278	733439	44.710	ng	99
92) Benzo(g,h,i)perylene	17.339	276	711929	41.738	ng	99

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

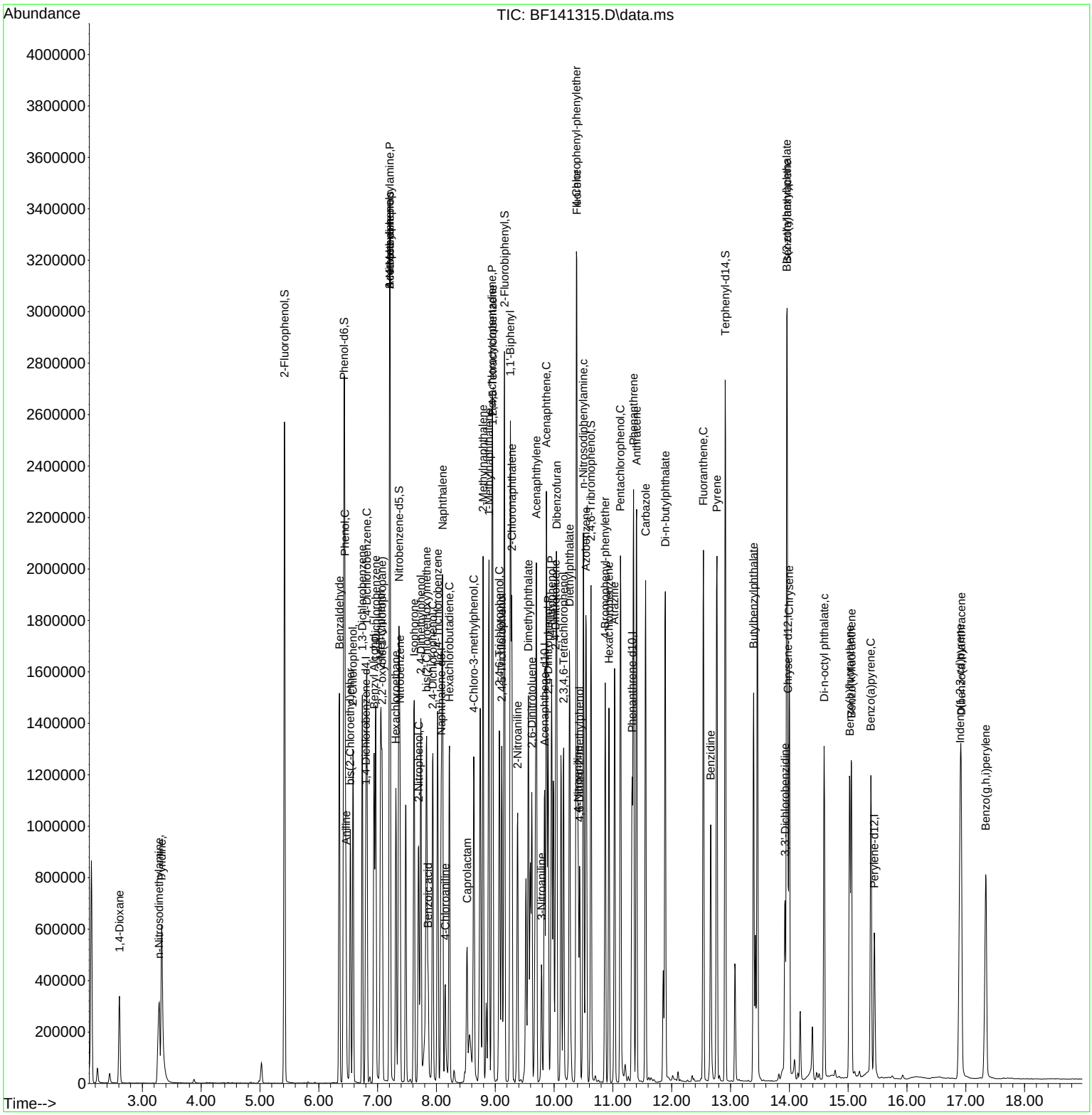
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141315.D
Acq On : 30 Jan 2025 16:03
Operator : RC/JU
Sample : Q1209-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

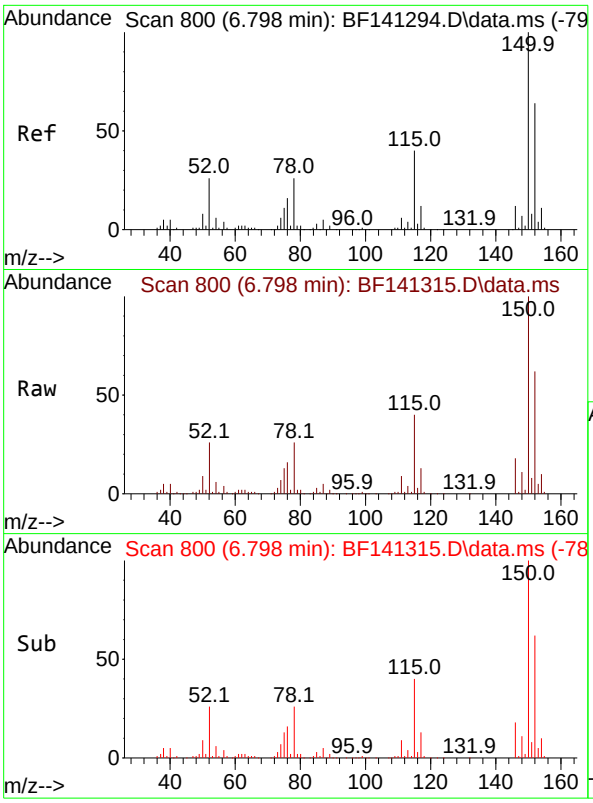
Quant Time: Jan 30 16:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

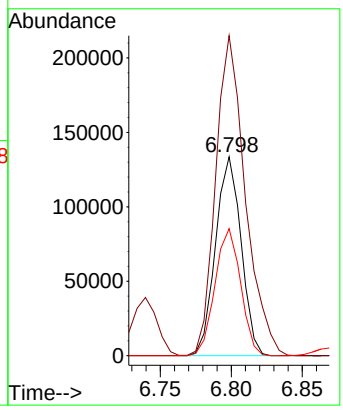




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:152 Resp: 16707

Ion	Ratio	Lower	Upper
152	100		
150	160.9	125.9	188.9
115	63.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
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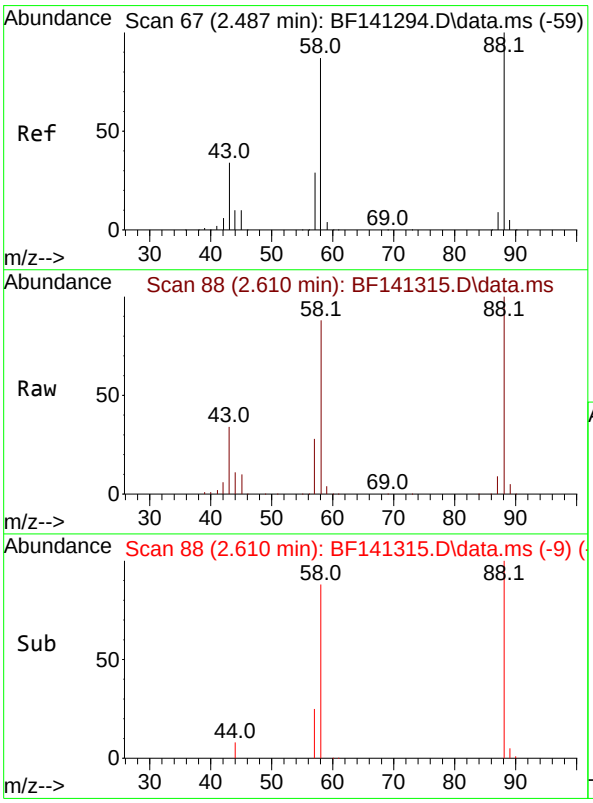
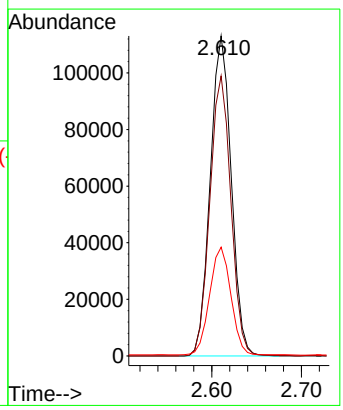
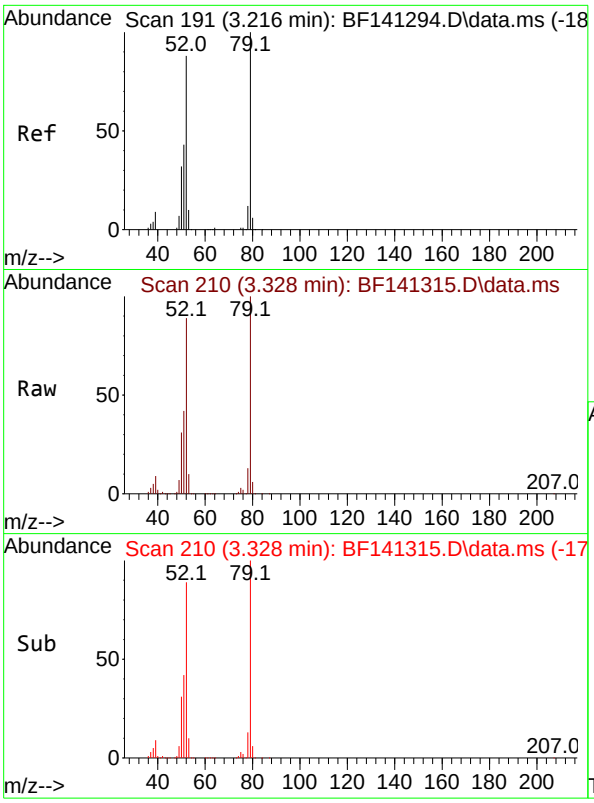


#2
1,4-Dioxane
Concen: 38.384 ng
RT: 2.610 min Scan# 88
Delta R.T. 0.118 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 88 Resp: 183718

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.2	105.4
43	34.1	27.6	41.4

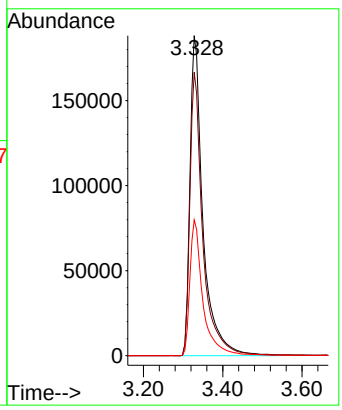




#3
Pyridine
Concen: 37.243 ng
RT: 3.328 min Scan# 21
Delta R.T. 0.100 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 79 Resp: 42948

Ion	Ratio	Lower	Upper
79	100		
52	88.6	70.3	105.5
51	42.5	34.3	51.5



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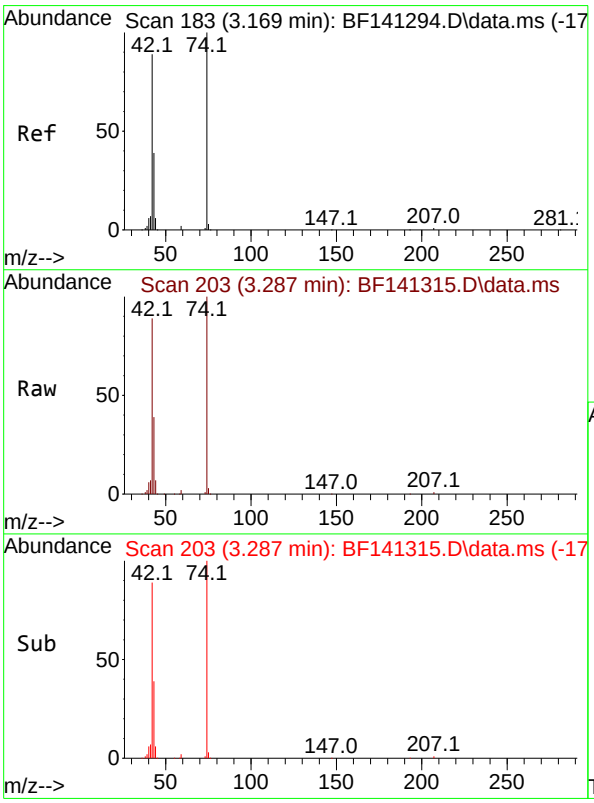
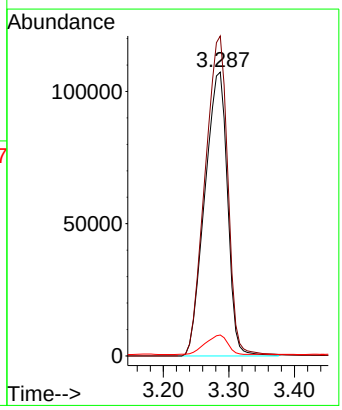
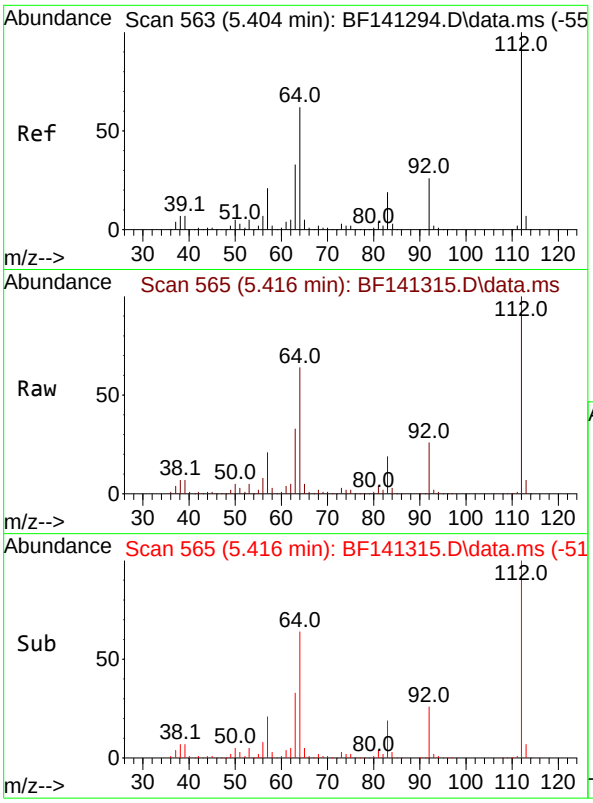


#4
n-Nitrosodimethylamine
Concen: 39.289 ng
RT: 3.287 min Scan# 203
Delta R.T. 0.088 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 42 Resp: 258831

Ion	Ratio	Lower	Upper
42	100		
74	112.7	90.3	135.5
44	7.4	5.7	8.5

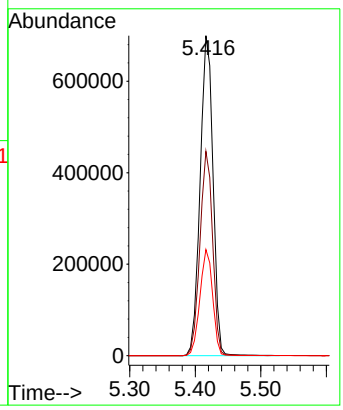




#5
2-Fluorophenol
Concen: 88.114 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:112 Resp: 95893

Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.8	74.8
63	33.2	26.1	39.1



Instrument :
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ClientSampleId :
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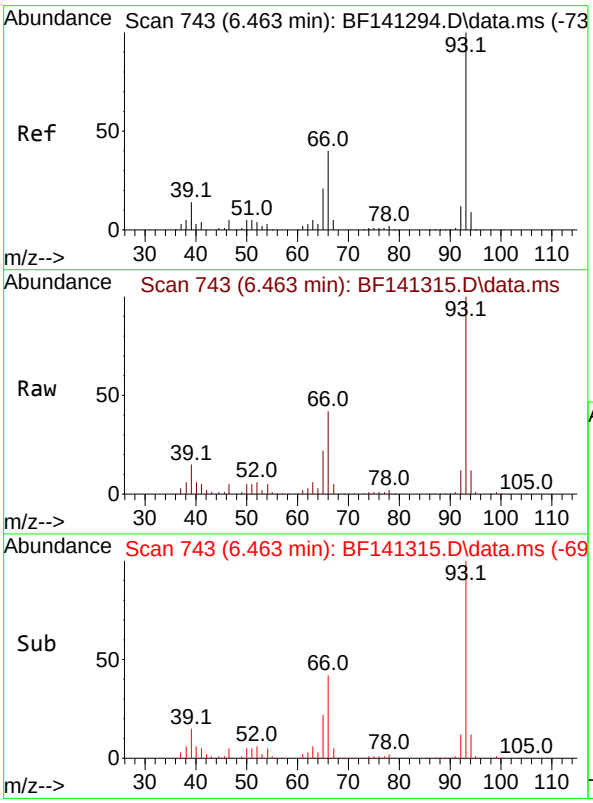
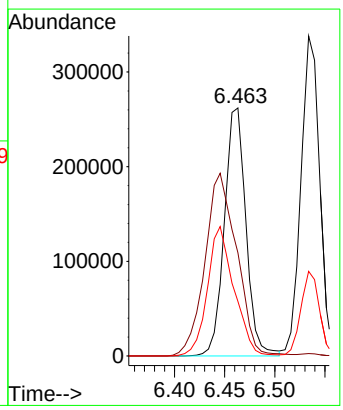
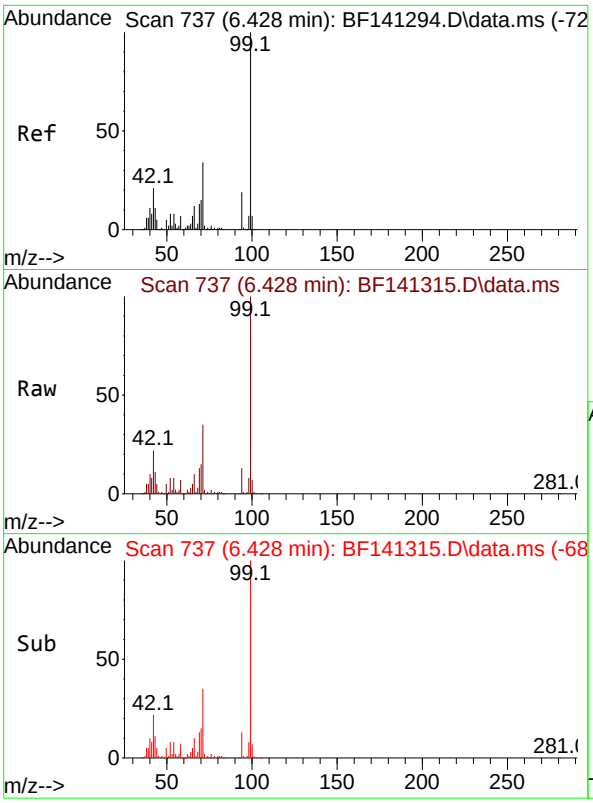


#6
Aniline
Concen: 33.523 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 93 Resp: 392868

Ion	Ratio	Lower	Upper
93	100		
66	41.6	32.5	48.7
65	22.0	17.0	25.6

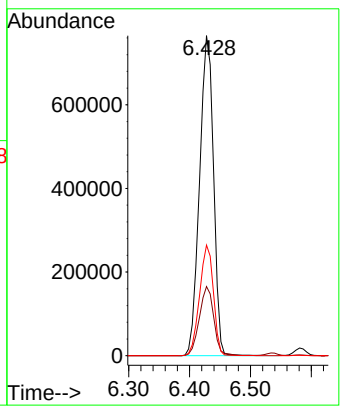




#7
Phenol-d6
Concen: 88.351 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 99 Resp: 122316

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.1	25.7
71	34.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
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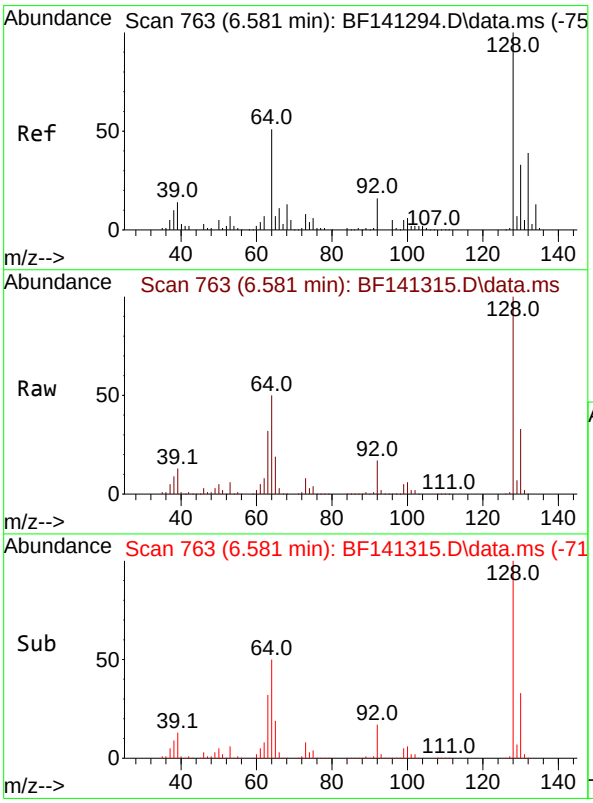
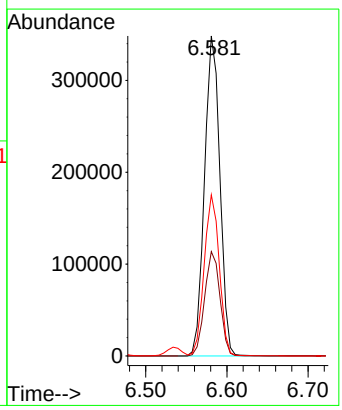
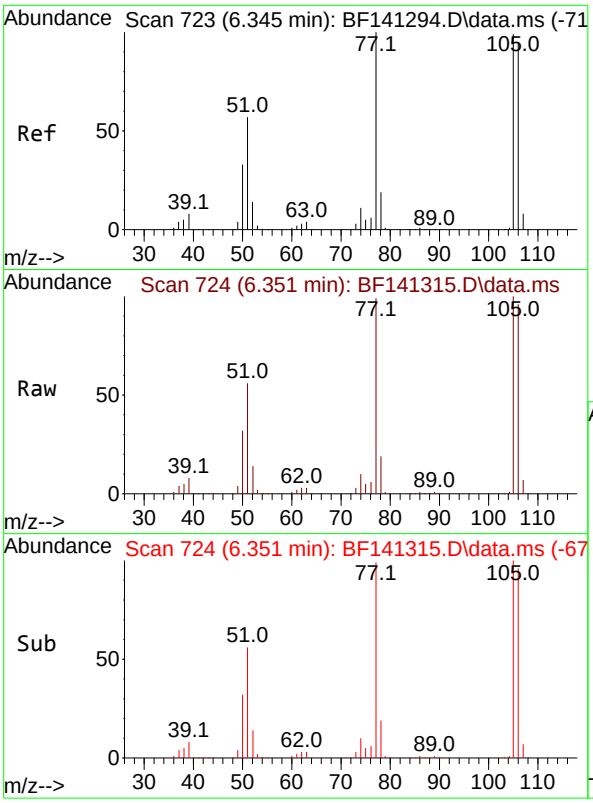


#8
2-Chlorophenol
Concen: 39.233 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:128 Resp: 457640

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	50.4	32.9	72.9

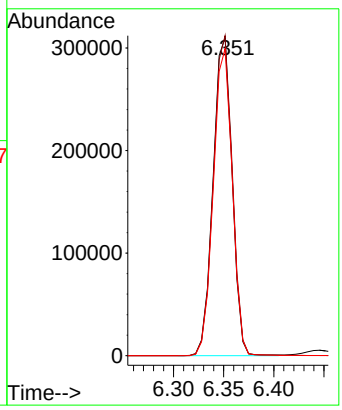




#9
Benzaldehyde
Concen: 50.876 ng
RT: 6.351 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 77 Resp: 40798

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.4	119.4
106	96.5	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
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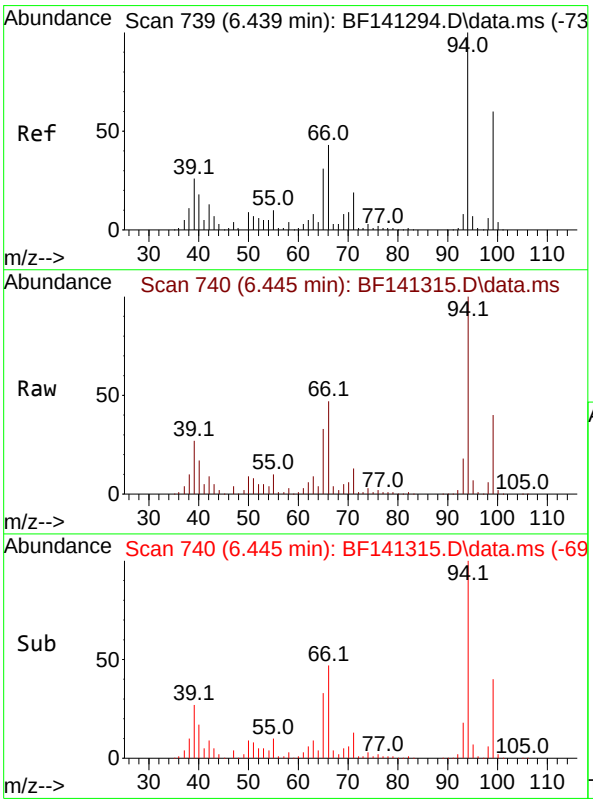
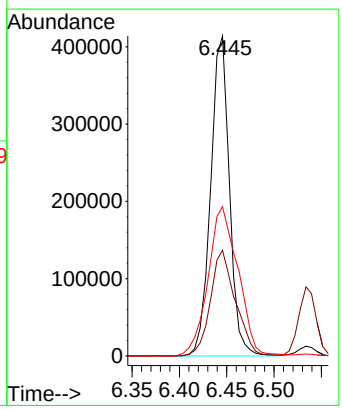
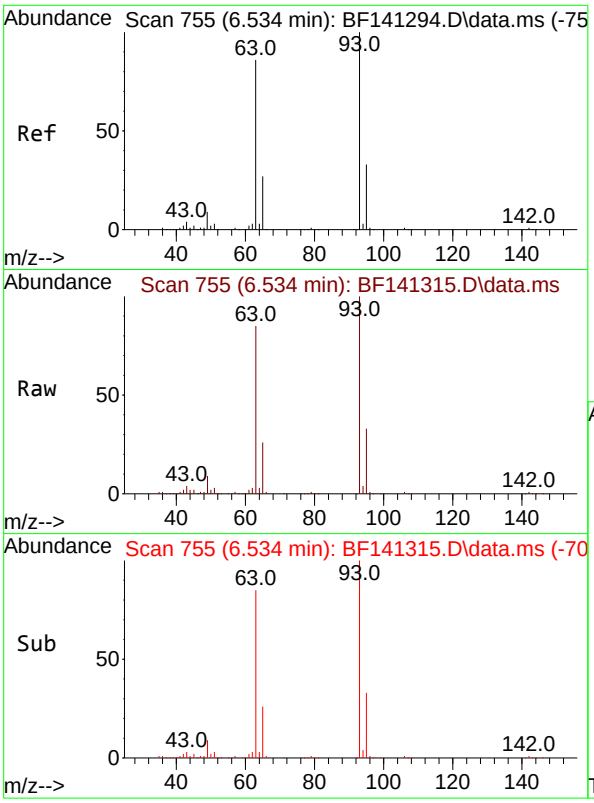


#10
Phenol
Concen: 38.988 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 94 Resp: 572177

Ion	Ratio	Lower	Upper
94	100		
65	33.0	10.8	50.8
66	46.6	23.3	63.3

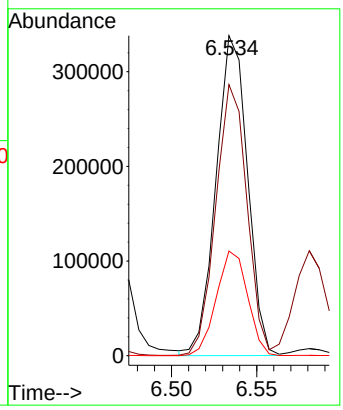




#11
bis(2-Chloroethyl)ether
Concen: 38.683 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 93 Resp: 43528

Ion	Ratio	Lower	Upper
93	100		
63	84.7	65.0	105.0
95	32.7	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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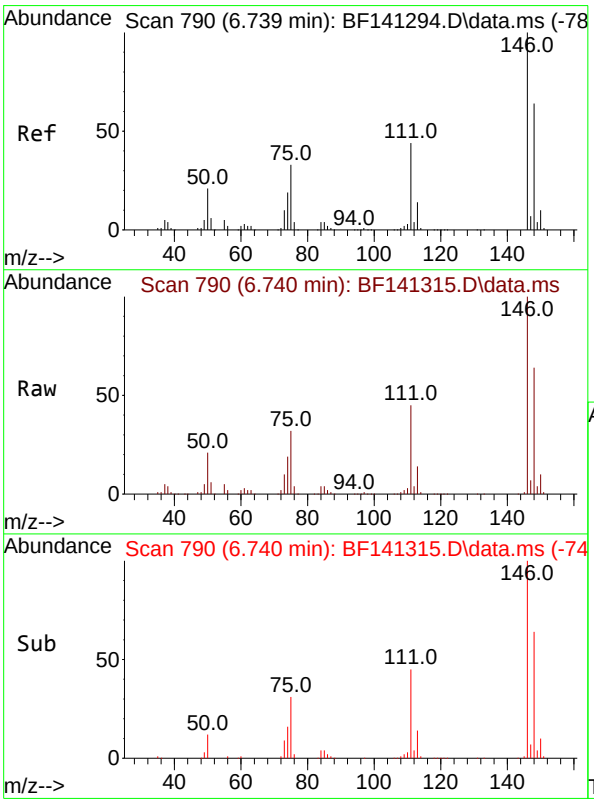
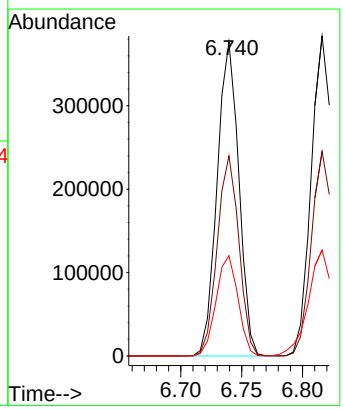
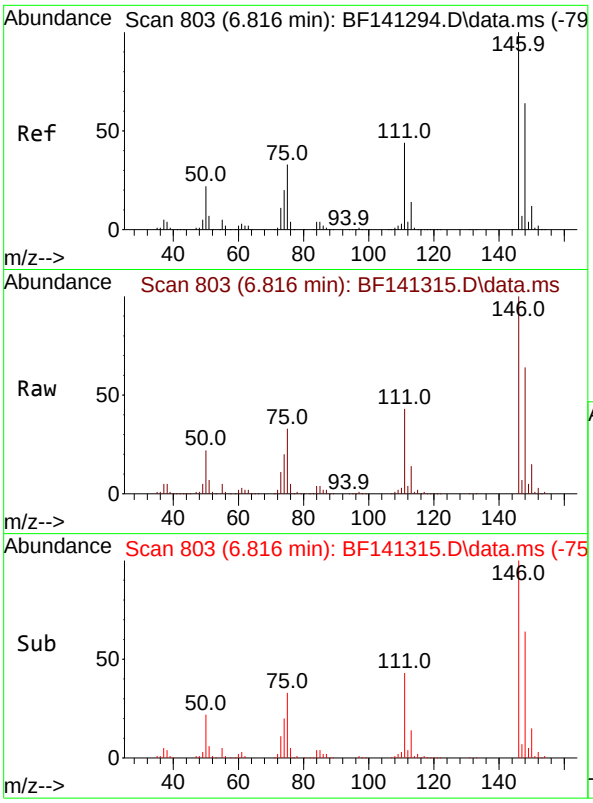


#12
1,3-Dichlorobenzene
Concen: 36.310 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:146 Resp: 466993

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
75	32.0	26.2	39.4

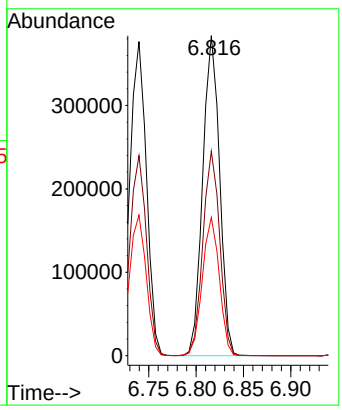




#13
1,4-Dichlorobenzene
Concen: 36.802 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:146 Resp: 47550

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	43.2	35.0	52.4



Instrument :
BNA_F
ClientSampleId :
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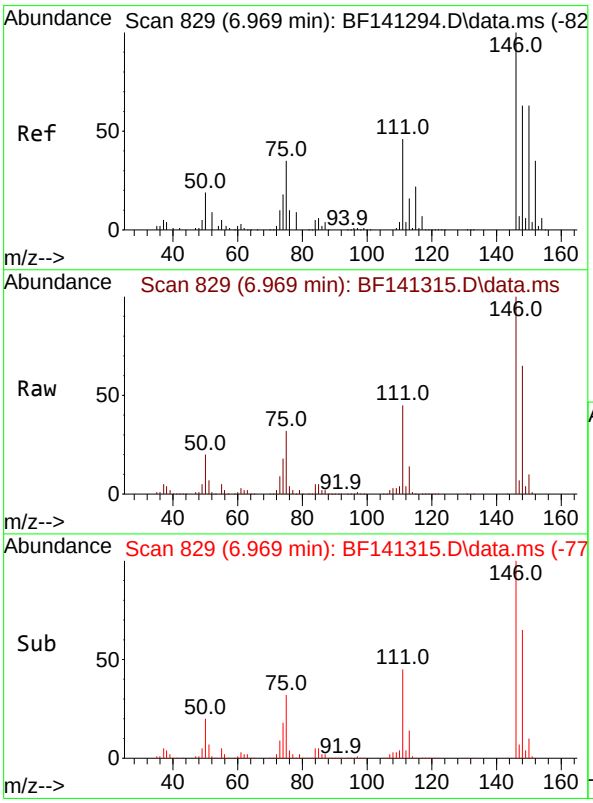
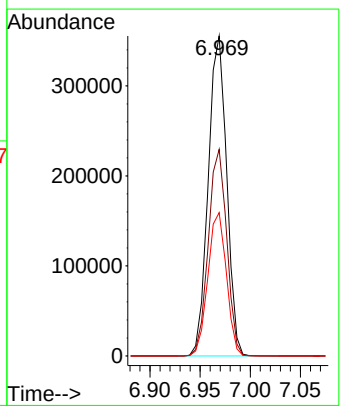
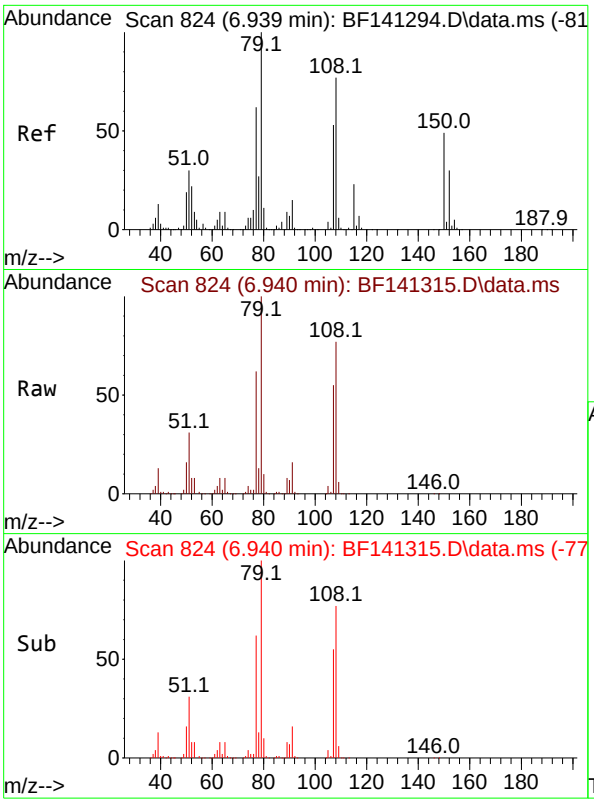


#14
1,2-Dichlorobenzene
Concen: 37.628 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:146 Resp: 455246

Ion	Ratio	Lower	Upper
146	100		
148	64.6	50.5	75.7
111	44.8	36.6	55.0

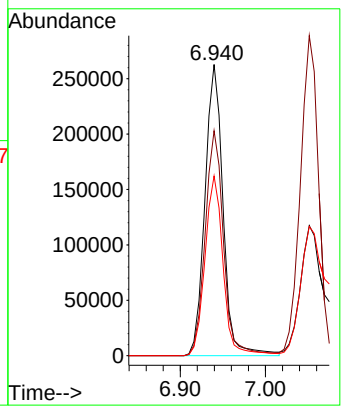




#15
Benzyl Alcohol
Concen: 41.106 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 79 Resp: 38891

Ion	Ratio	Lower	Upper
79	100		
108	77.2	61.4	92.0
77	61.7	49.9	74.9



Instrument :
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ClientSampleId :
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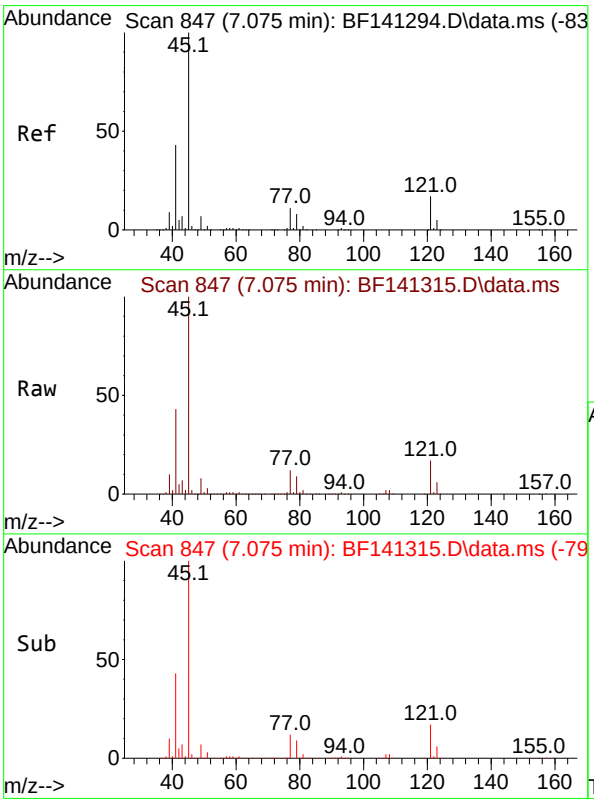
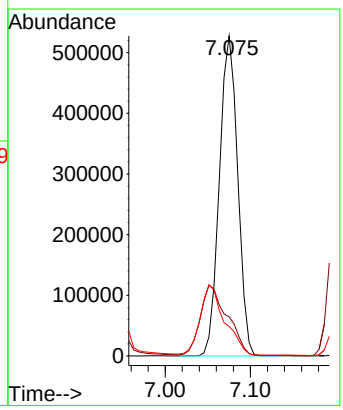
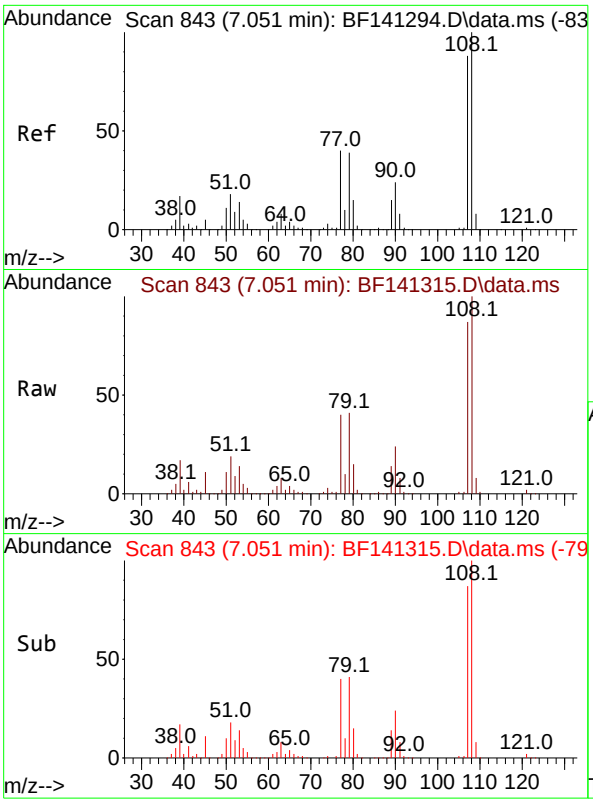


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.328 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 45 Resp: 789105

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.8
79	9.2	0.0	29.1

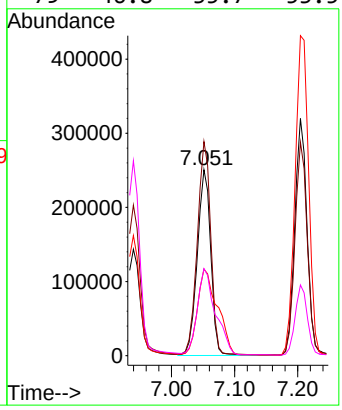




#17
2-Methylphenol
Concen: 39.424 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:107 Resp: 37374

Ion	Ratio	Lower	Upper
107	100		
108	115.2	90.8	136.2
77	46.5	36.2	54.4
79	46.8	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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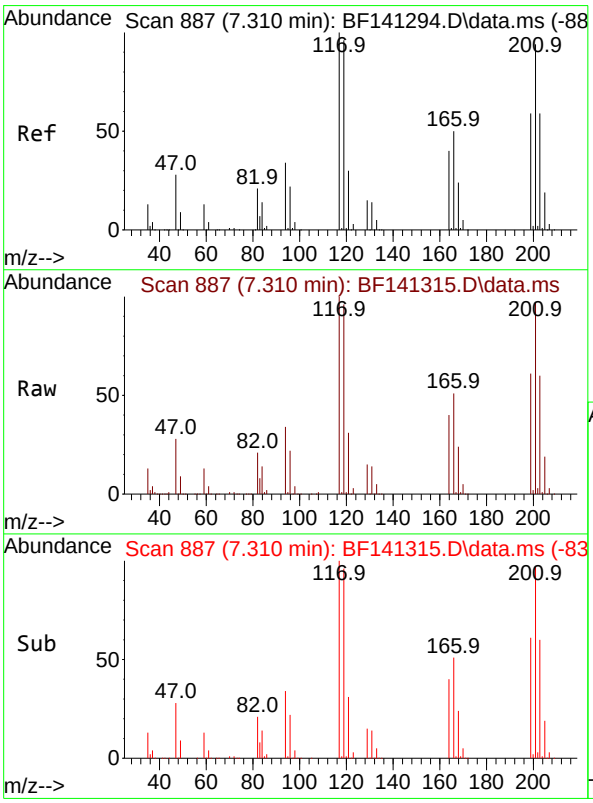
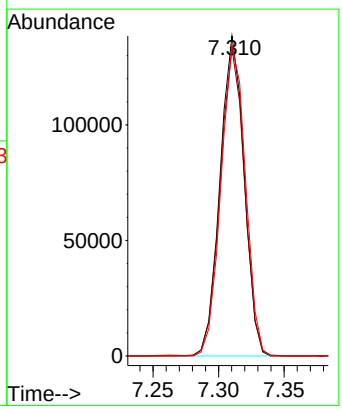
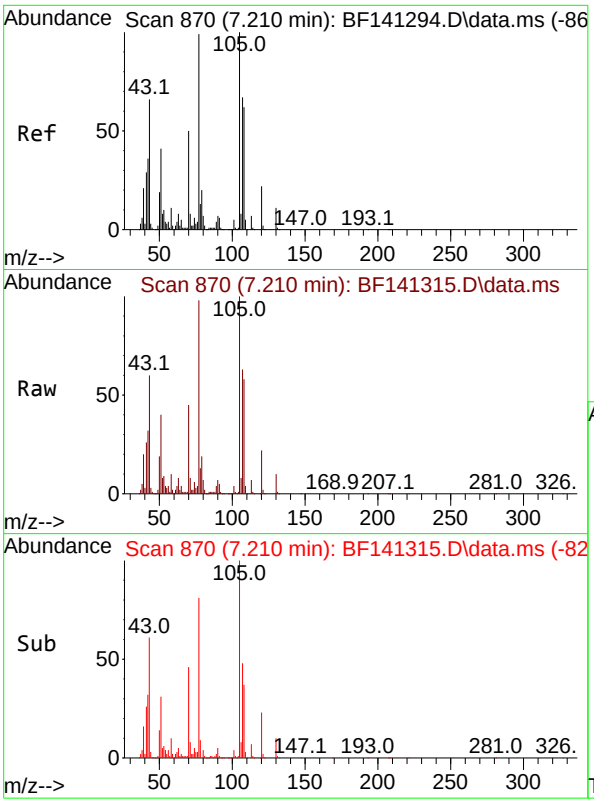


#18
Hexachloroethane
Concen: 37.051 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:117 Resp: 176604

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.6	114.8
201	97.0	74.8	112.2

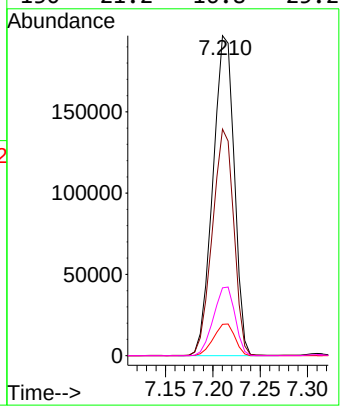




#19
n-Nitroso-di-n-propylamine
Concen: 37.662 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 70 Resp: 30982

Ion	Ratio	Lower	Upper
70	100		
42	70.8	56.8	85.2
101	9.8	7.7	11.5
130	21.2	16.8	25.2



Instrument :
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ClientSampleId :
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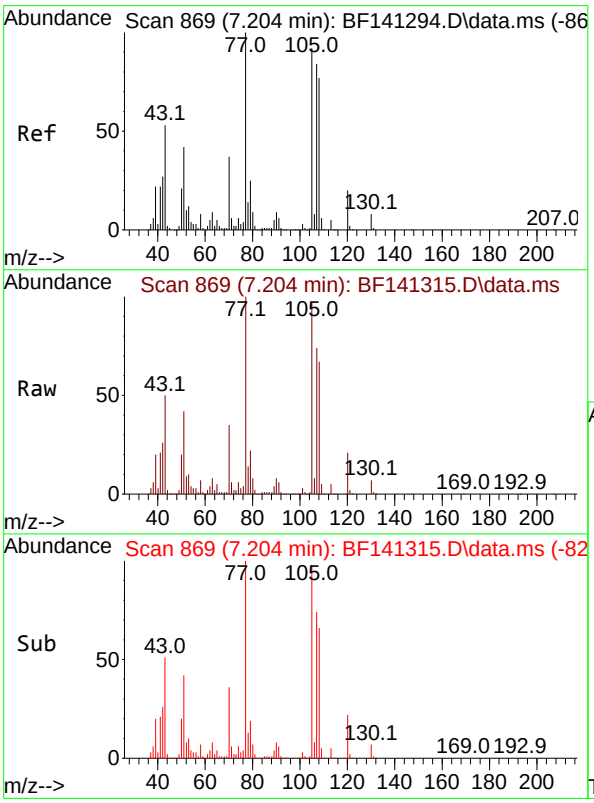
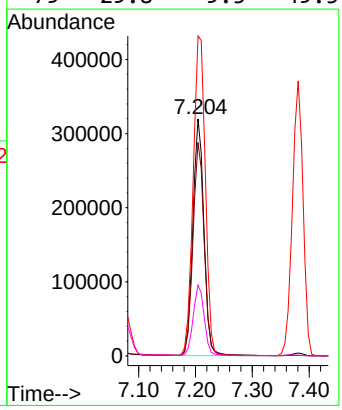
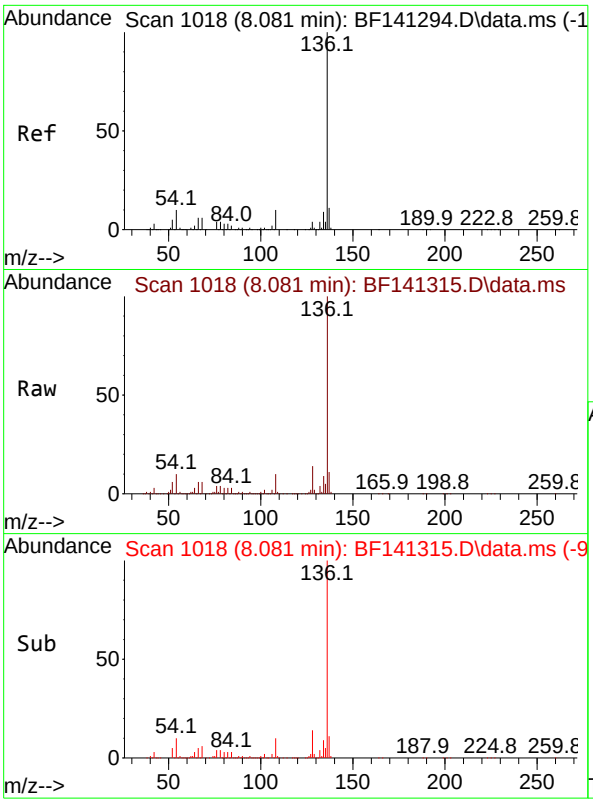


#20
3+4-Methylphenols
Concen: 37.321 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:107 Resp: 434424

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.9	110.9
77	135.0	98.5	138.5
79	29.8	9.5	49.5

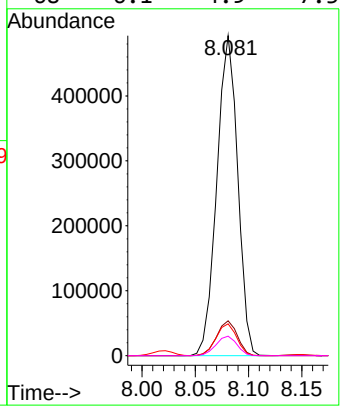




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:136 Resp: 669898

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.0	7.8	11.8
68	6.1	4.9	7.3



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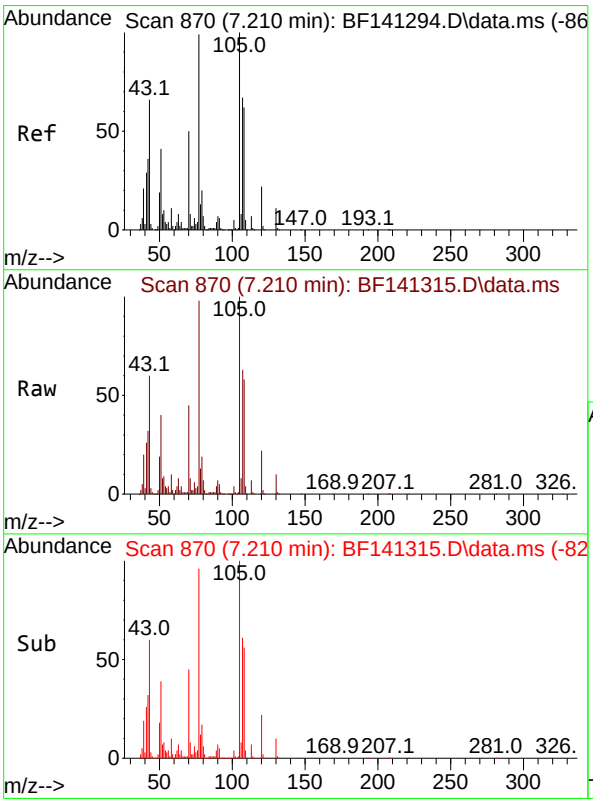
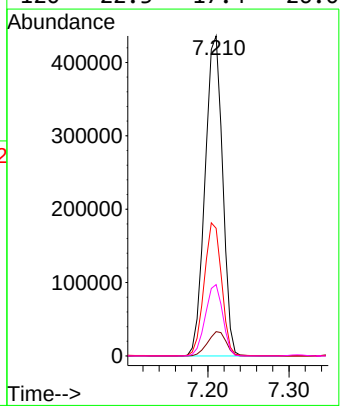
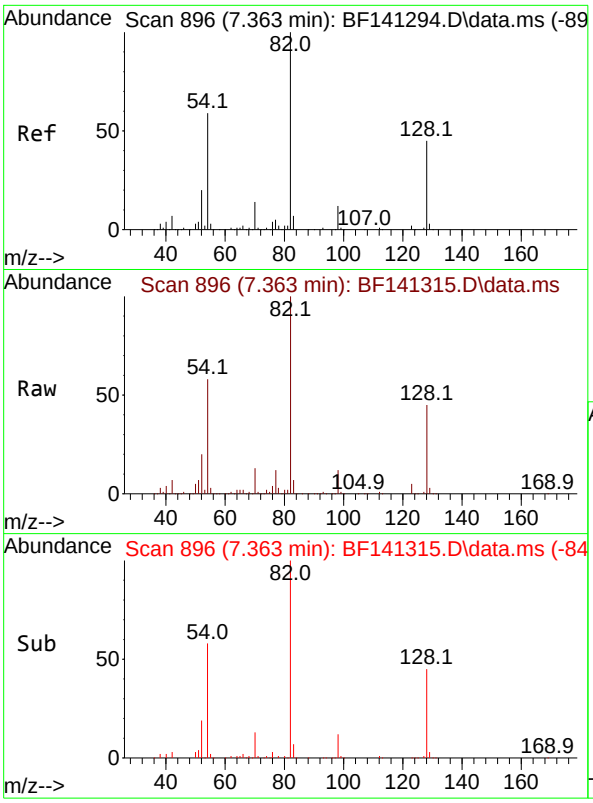


#22
Acetophenone
Concen: 41.086 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:105 Resp: 654231

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.8	10.2
51	39.9	32.6	49.0
120	22.3	17.4	26.0

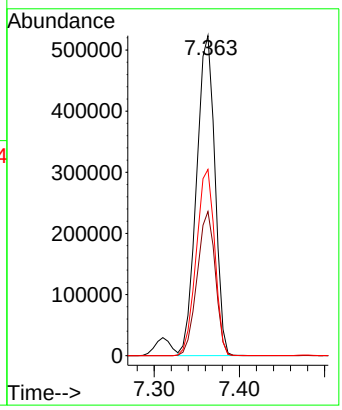




#23
Nitrobenzene-d5
Concen: 61.563 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 82 Resp: 78231

Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.7	53.5
54	58.2	47.1	70.7



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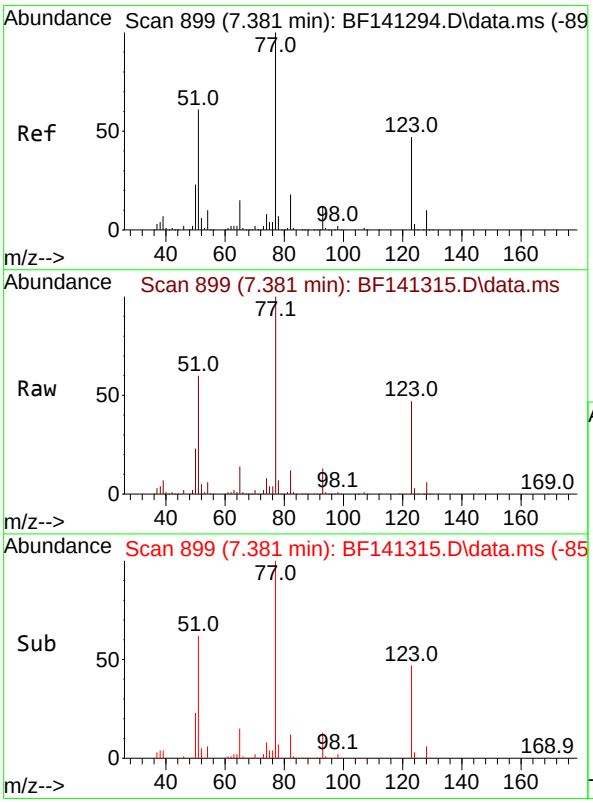
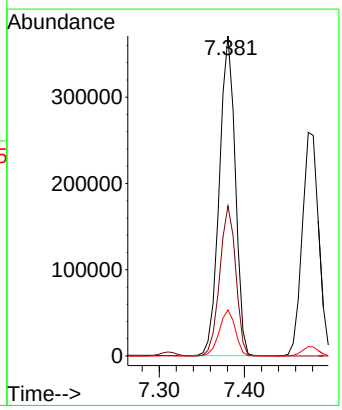
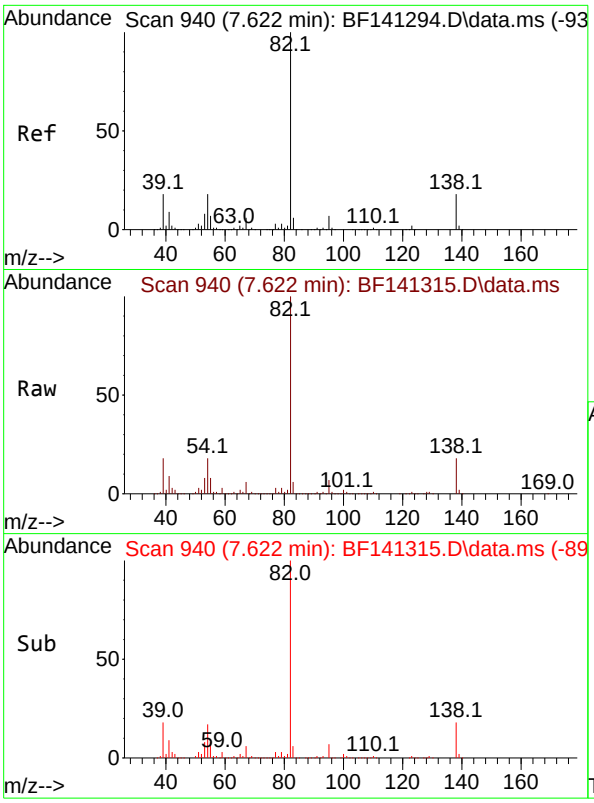


#24
Nitrobenzene
Concen: 36.600 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 77 Resp: 481987

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.3	55.9
65	14.4	11.8	17.6

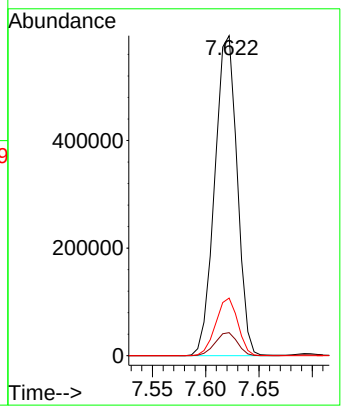




#25
Isophorone
Concen: 39.569 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 82 Resp: 86919

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.6
138	18.0	14.7	22.1



Instrument :
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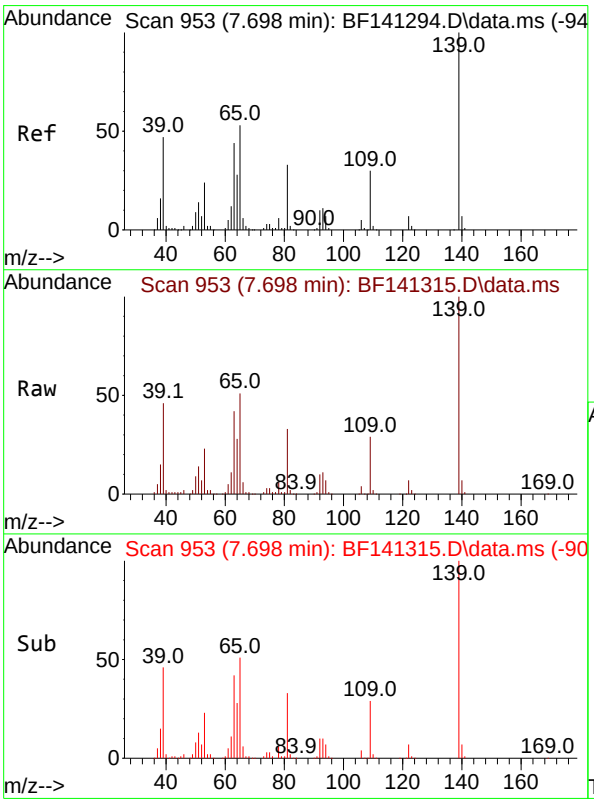
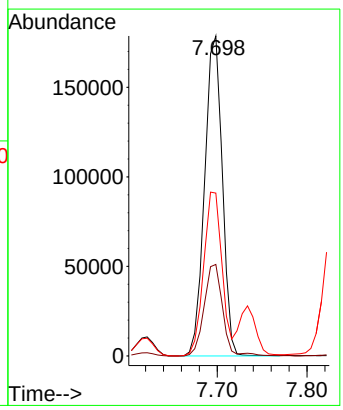
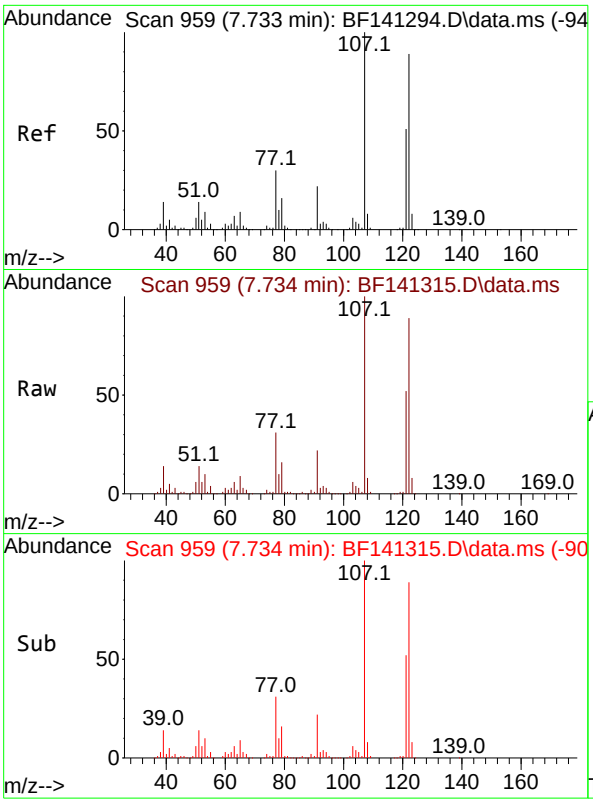


#26
2-Nitrophenol
Concen: 39.364 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:139 Resp: 244478

Ion	Ratio	Lower	Upper
139	100		
109	28.6	23.8	35.6
65	50.9	42.2	63.4

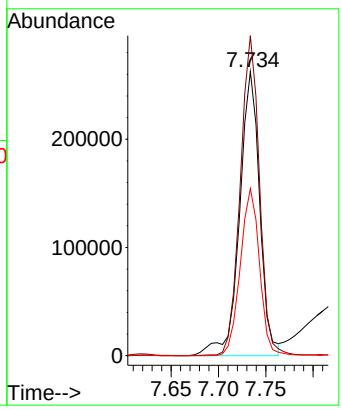




#27
2,4-Dimethylphenol
Concen: 49.159 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:122 Resp: 38860

Ion	Ratio	Lower	Upper
122	100		
107	112.6	89.9	134.9
121	58.8	46.1	69.1



Instrument :
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ClientSampleId :
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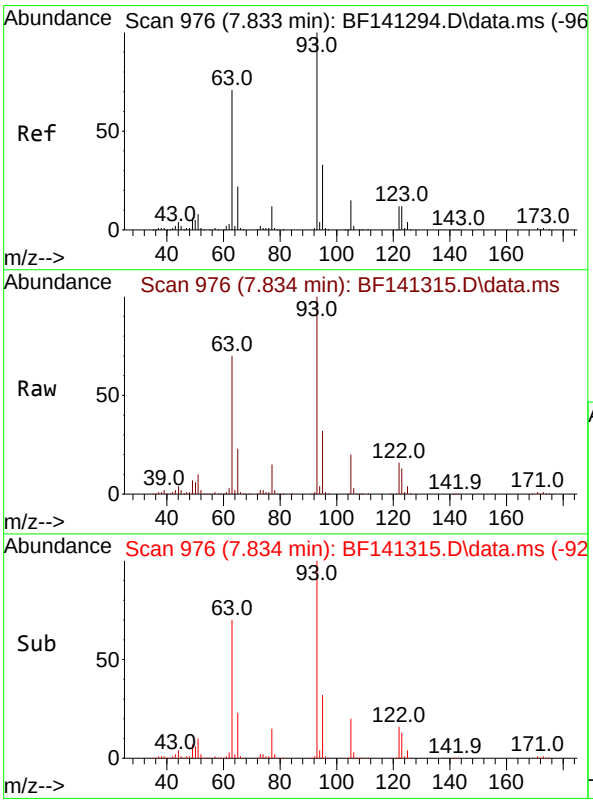
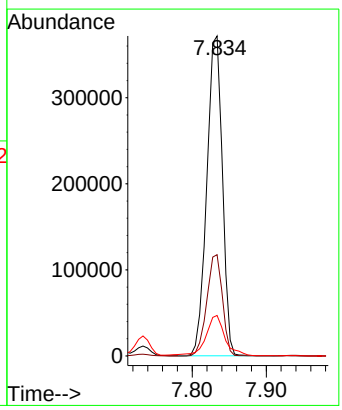
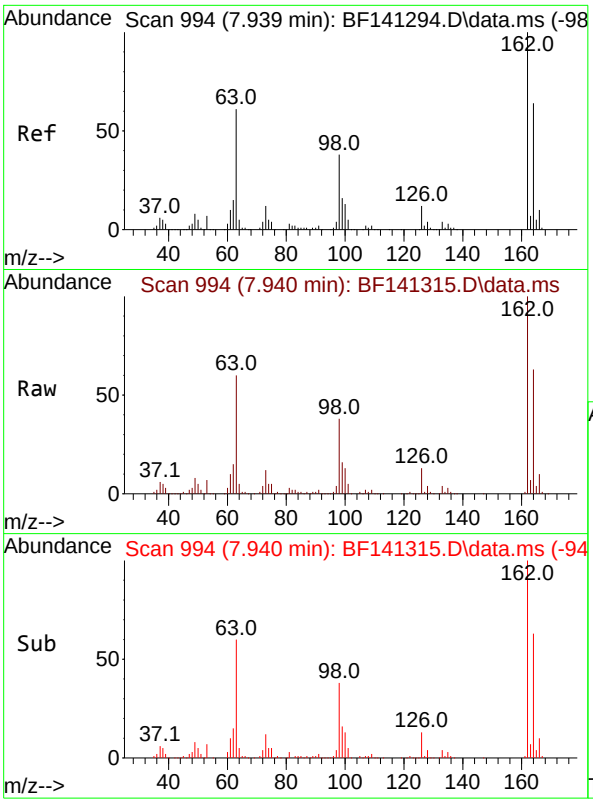


#28
bis(2-Chloroethoxy)methane
Concen: 38.703 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 93 Resp: 542293

Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.2
123	12.7	10.2	15.4

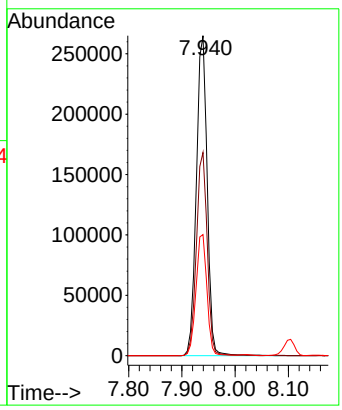




#29
2,4-Dichlorophenol
Concen: 38.581 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:162 Resp: 37337

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	37.9	18.2	58.2



Instrument :
BNA_F
ClientSampleId :
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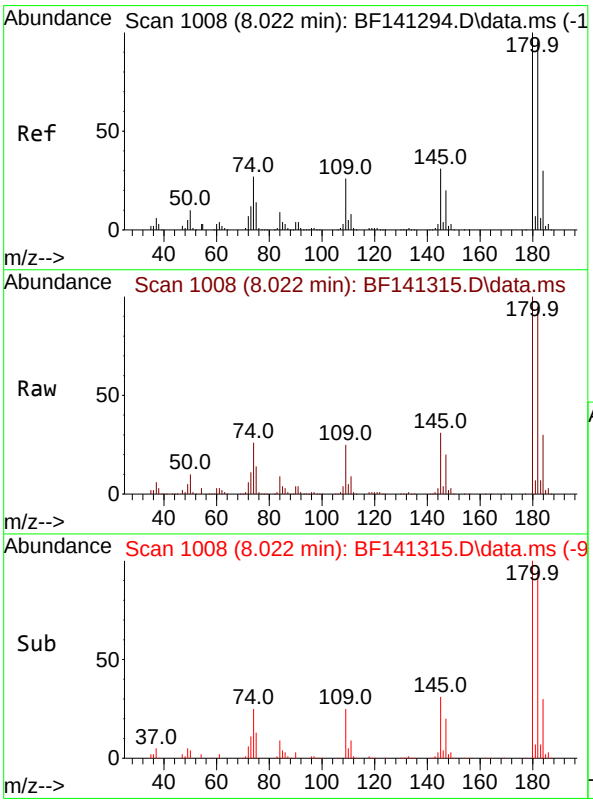
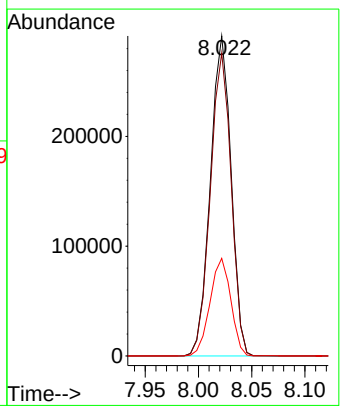
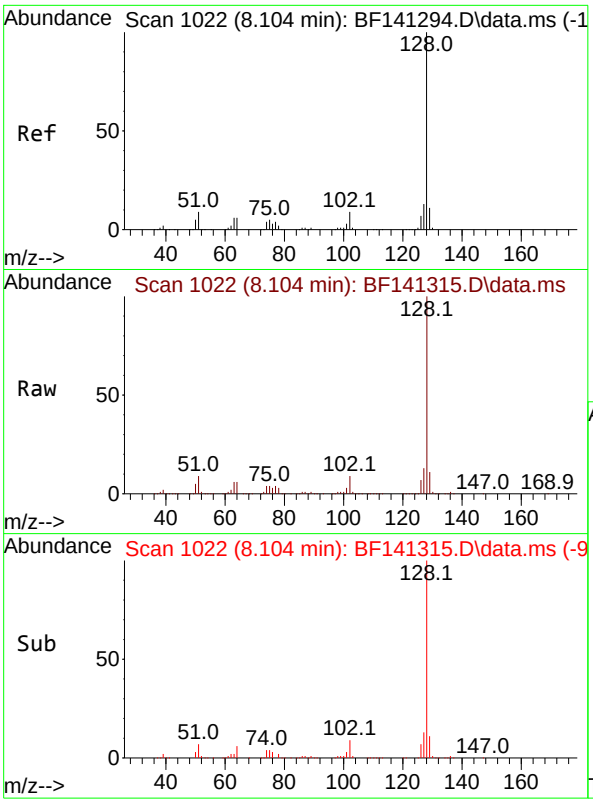


#30
1,2,4-Trichlorobenzene
Concen: 35.701 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:180 Resp: 394571

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.4	114.6
145	30.5	24.9	37.3

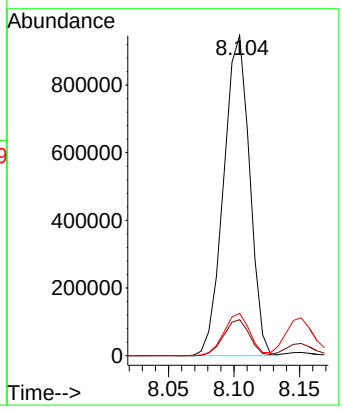




#31
Naphthalene
Concen: 36.821 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:128 Resp: 130305

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.2	10.6	15.8



Instrument :
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ClientSampleId :
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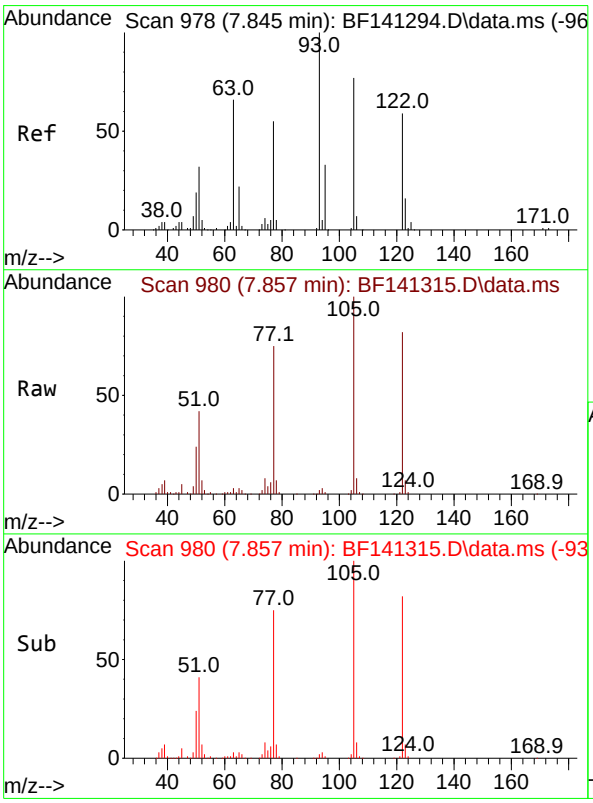
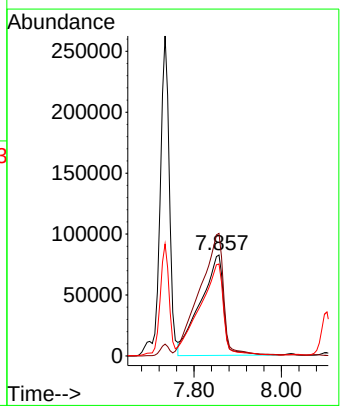
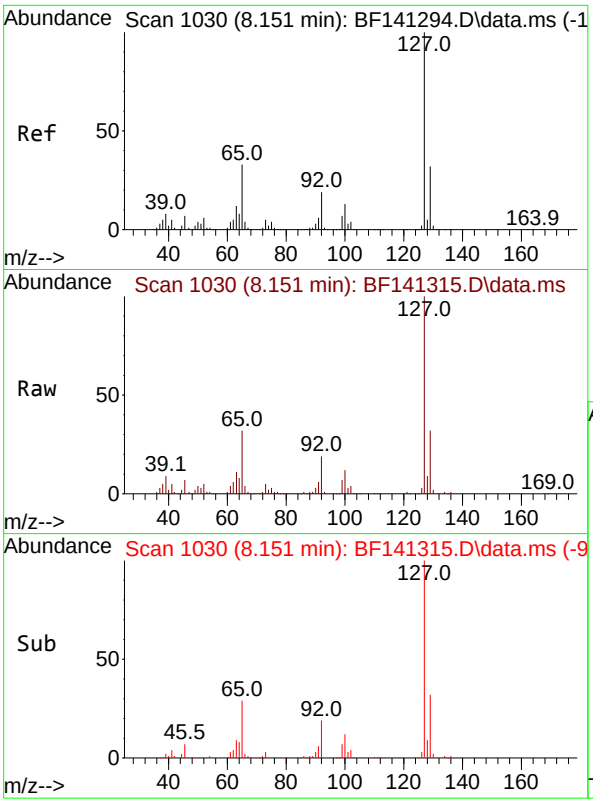


#32
Benzoic acid
Concen: 42.076 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:122 Resp: 305768

Ion	Ratio	Lower	Upper
122	100		
105	121.4	103.4	143.4
77	91.1	70.9	110.9

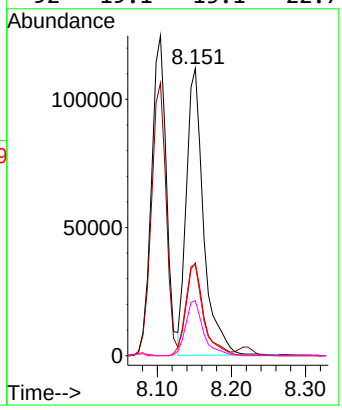




#33
4-Chloroaniline
Concen: 15.069 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:127 Resp: 18083

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	31.6	26.4	39.6
92	19.1	15.1	22.7



Instrument :
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ClientSampleId :
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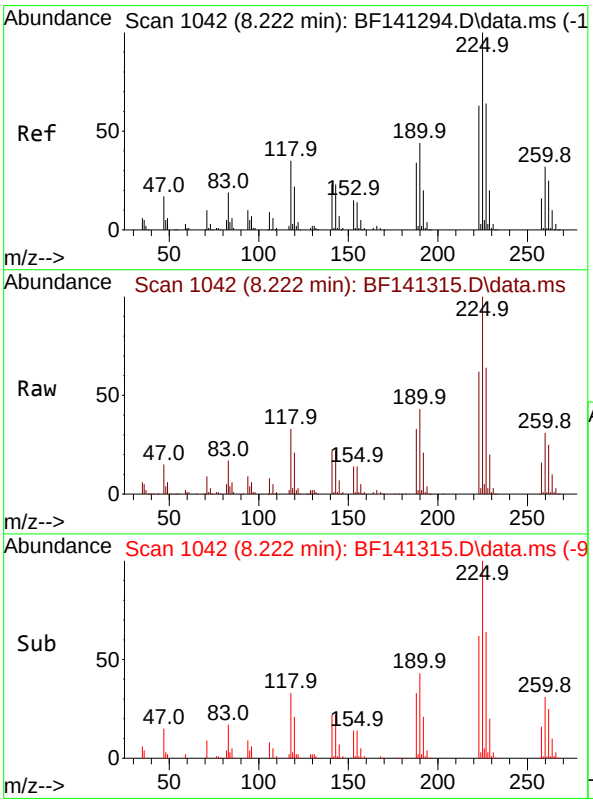
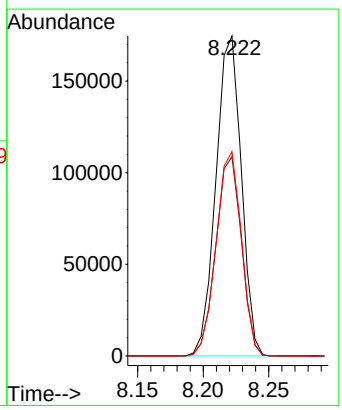
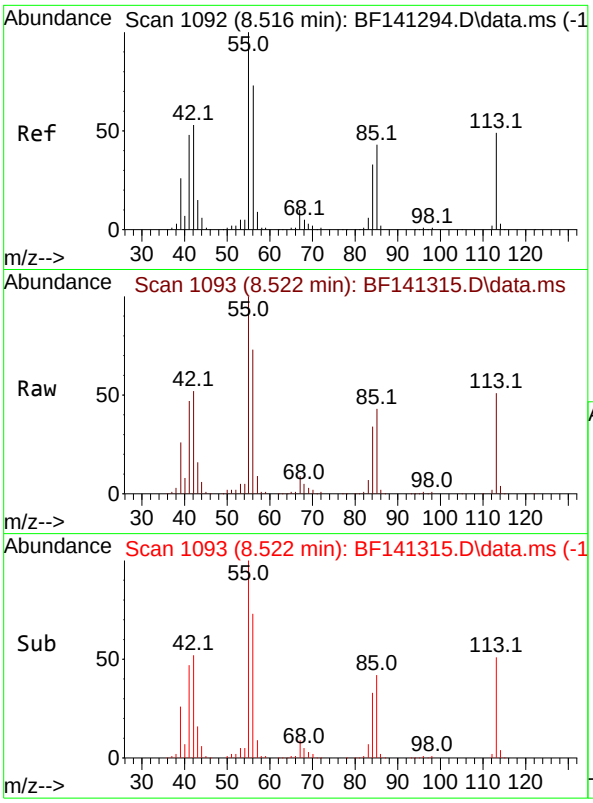


#34
Hexachlorobutadiene
Concen: 36.240 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:225 Resp: 234884

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.4	75.6
227	63.8	51.3	76.9

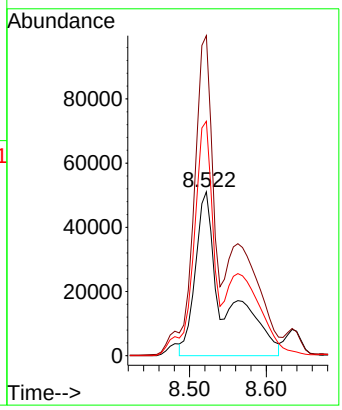




#35
Caprolactam
Concen: 42.993 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:113 Resp: 13588

Ion	Ratio	Lower	Upper
113	100		
55	195.4	182.9	222.9
56	143.1	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
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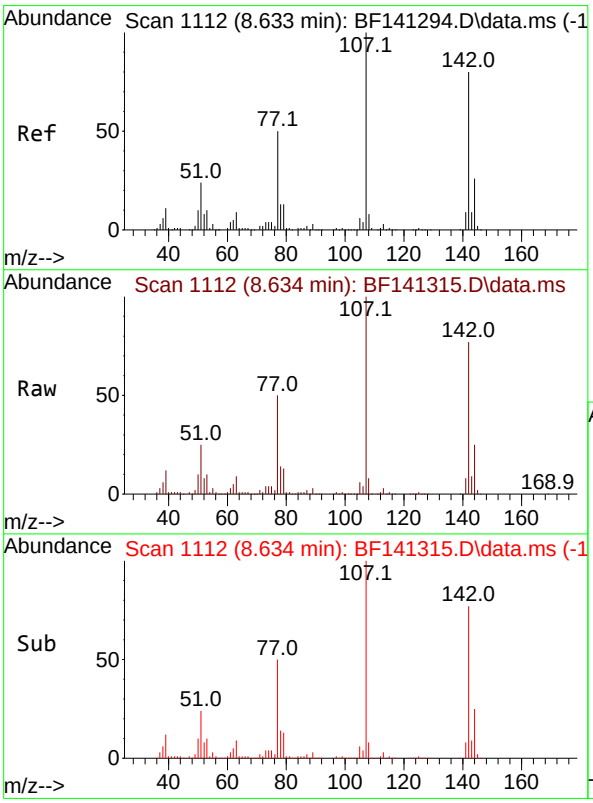
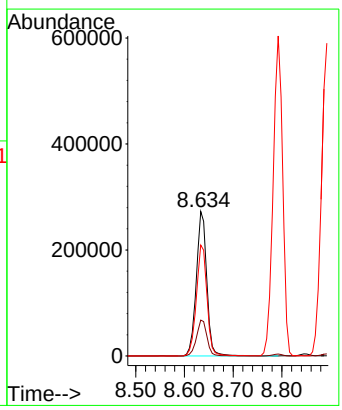
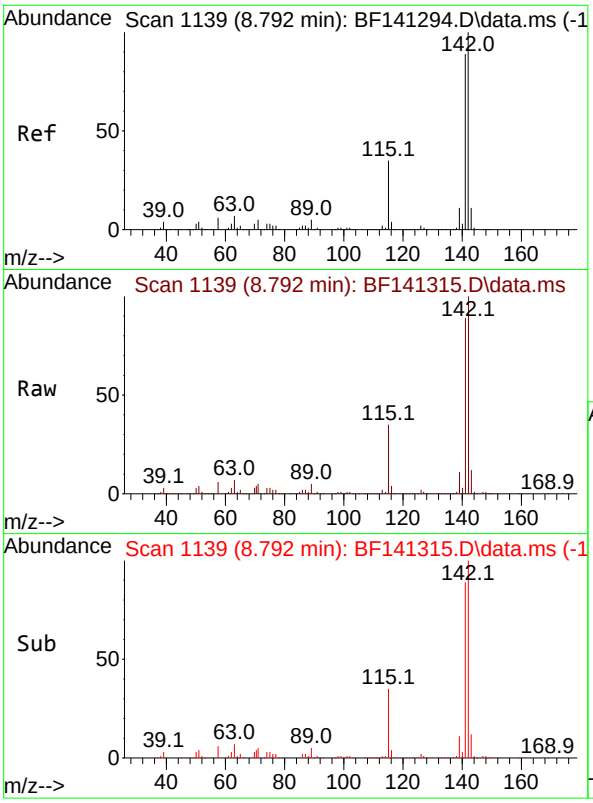


#36
4-Chloro-3-methylphenol
Concen: 39.492 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:107 Resp: 409952

Ion	Ratio	Lower	Upper
107	100		
144	24.8	20.7	31.1
142	76.8	63.8	95.8

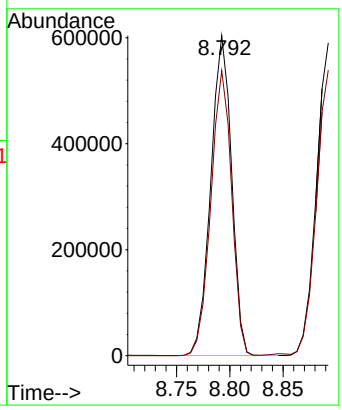




#37
2-Methylnaphthalene
Concen: 36.379 ng
RT: 8.792 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:142 Resp: 81825

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations
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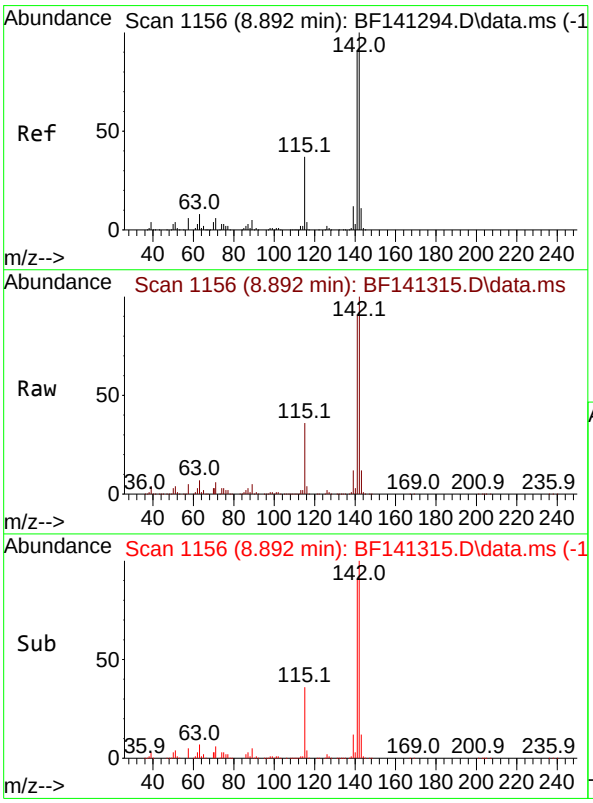
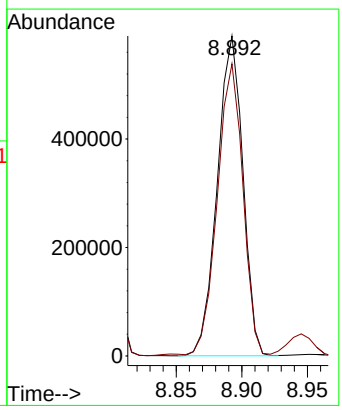
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

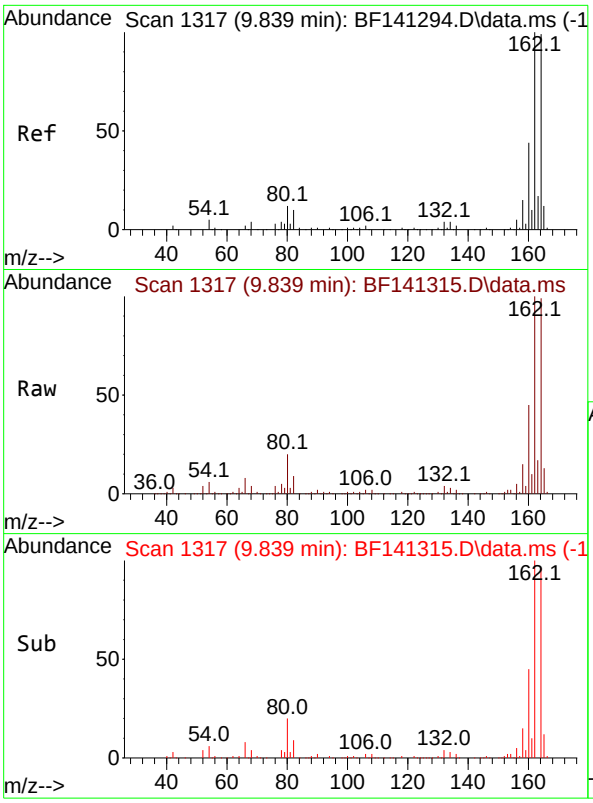


#38
1-Methylnaphthalene
Concen: 36.203 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:142 Resp: 799890

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8

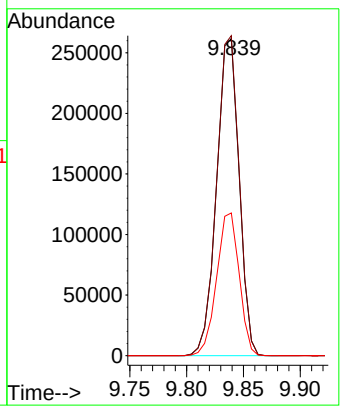




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:164 Resp: 36140

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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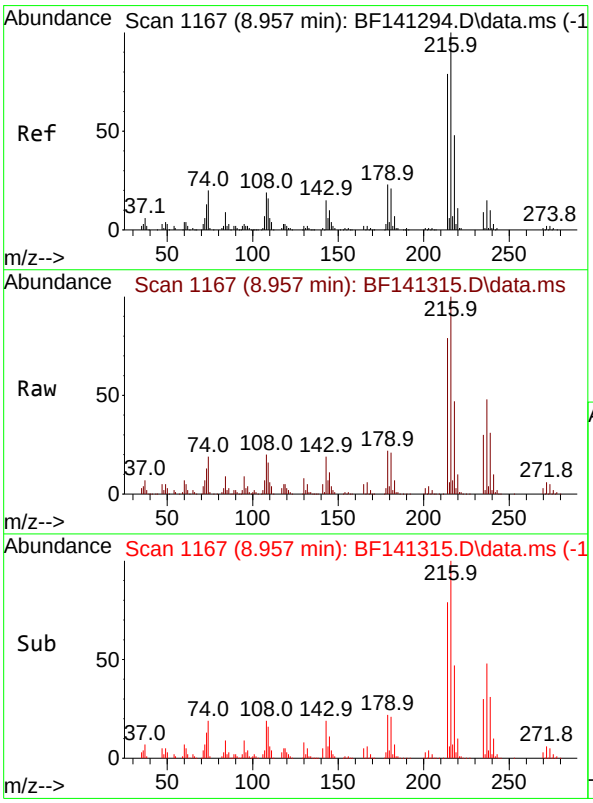
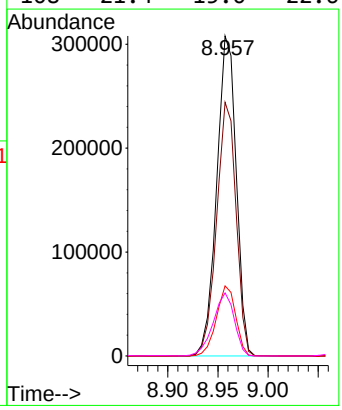
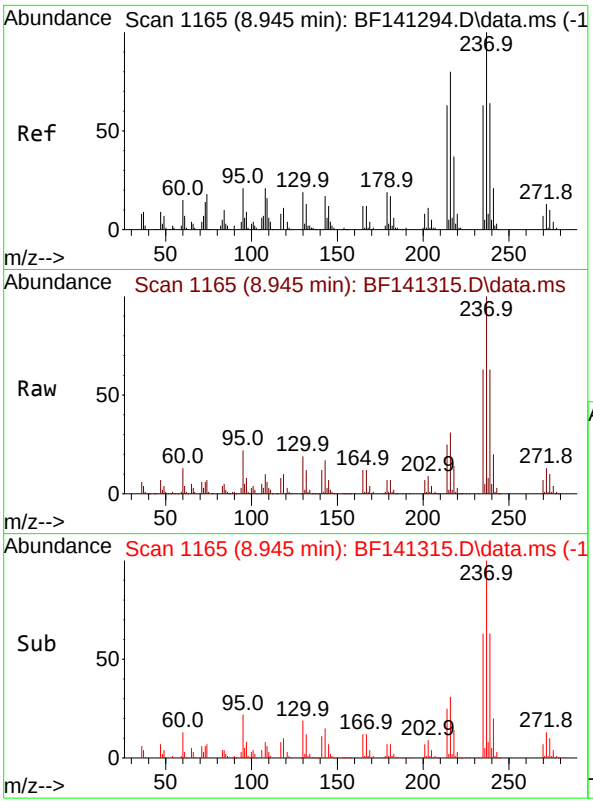


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.479 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:216 Resp: 416191

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	21.7	17.8	26.8
108	21.4	15.0	22.6

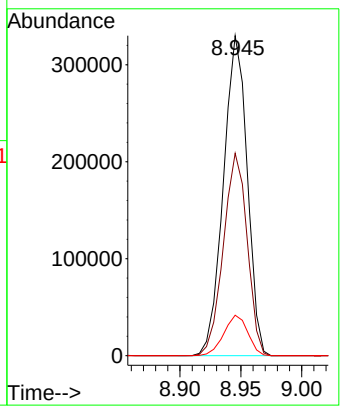




#41
Hexachlorocyclopentadiene
Concen: 147.988 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:237 Resp: 44936

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.9	82.9
272	12.6	0.0	32.8



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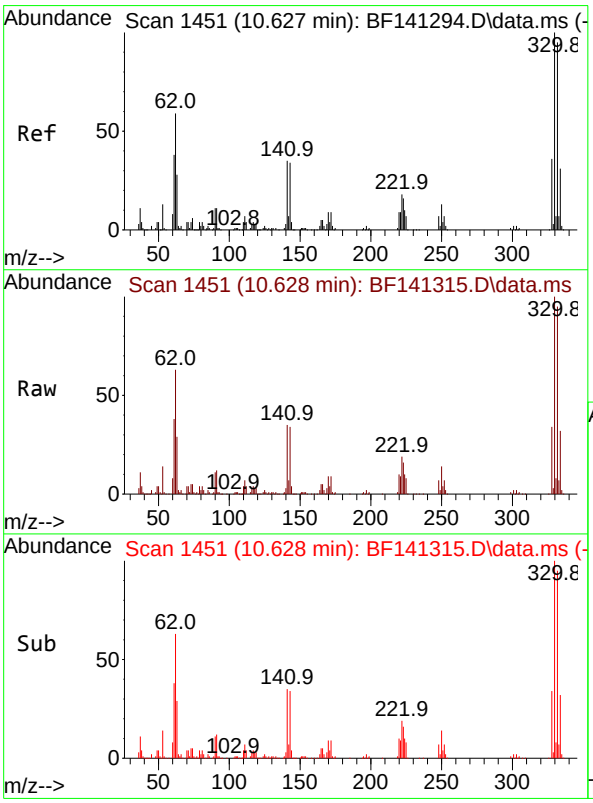
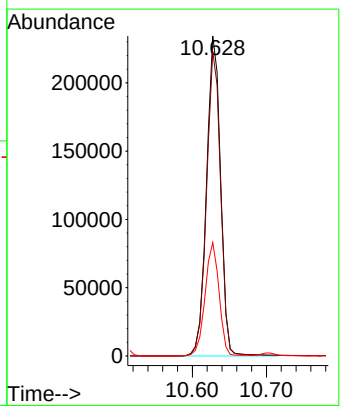
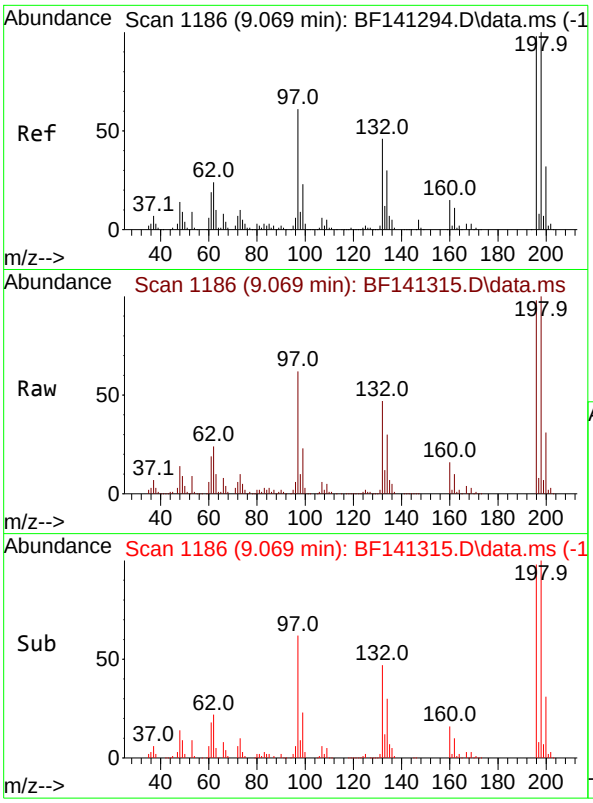


#42
2,4,6-Tribromophenol
Concen: 93.300 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:330 Resp: 309128

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.1	114.1
141	35.4	28.8	43.2

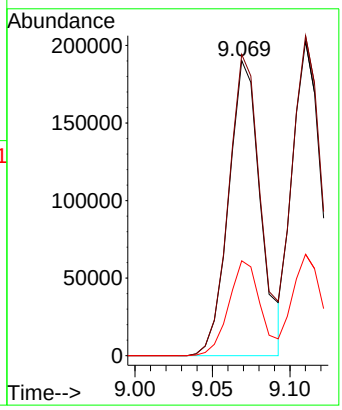




#43
2,4,6-Trichlorophenol
Concen: 40.323 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:196 Resp: 27136

Ion	Ratio	Lower	Upper
196	100		
198	102.2	81.8	122.6
200	32.2	26.3	39.5



Instrument :
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ClientSampleId :
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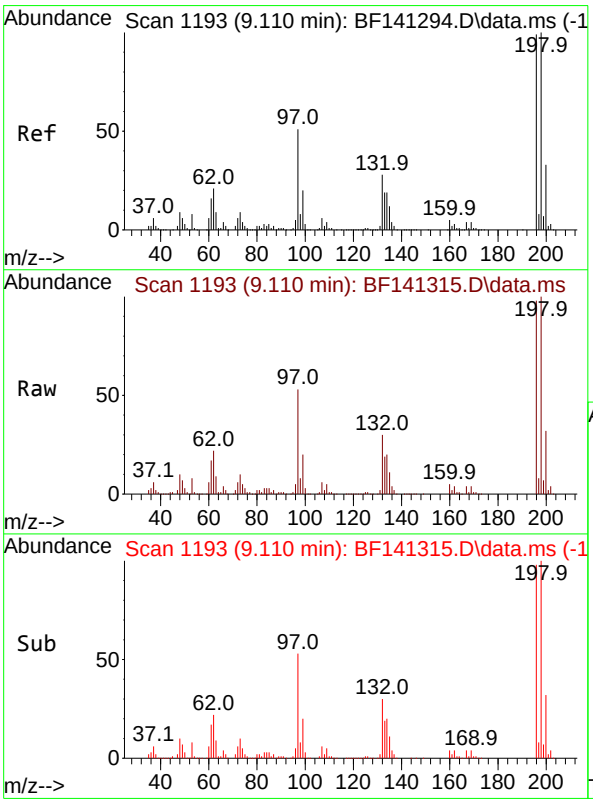
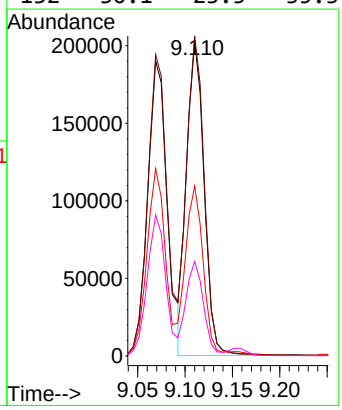
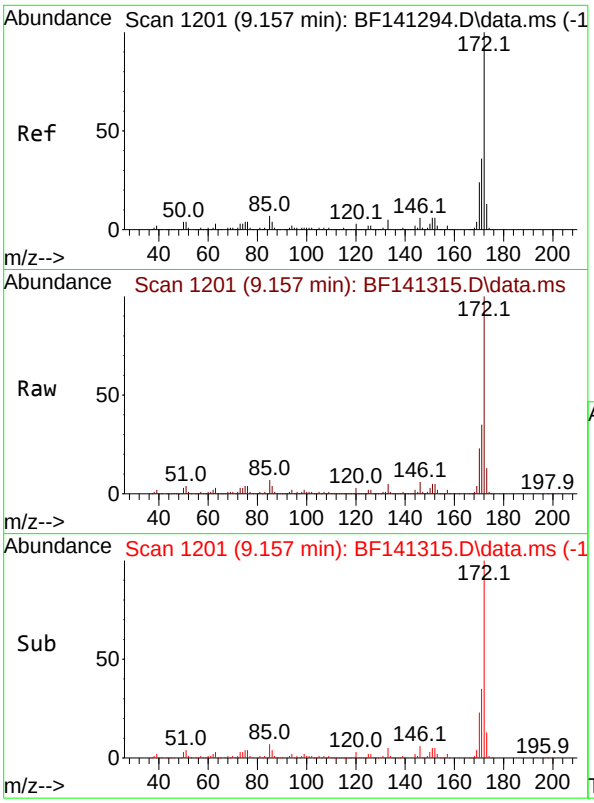


#44
2,4,5-Trichlorophenol
Concen: 35.851 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:196 Resp: 262590

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.5	120.7
97	54.1	42.8	64.2
132	30.1	23.5	35.3

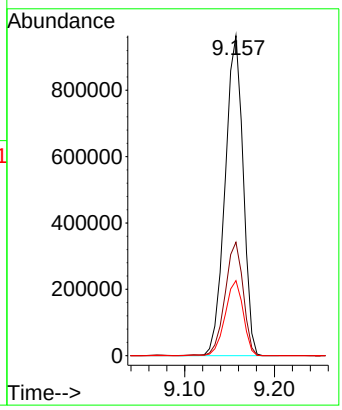




#45
2-Fluorobiphenyl
Concen: 57.384 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:172 Resp: 134740

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.5	19.0	28.6



Instrument :
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ClientSampleId :
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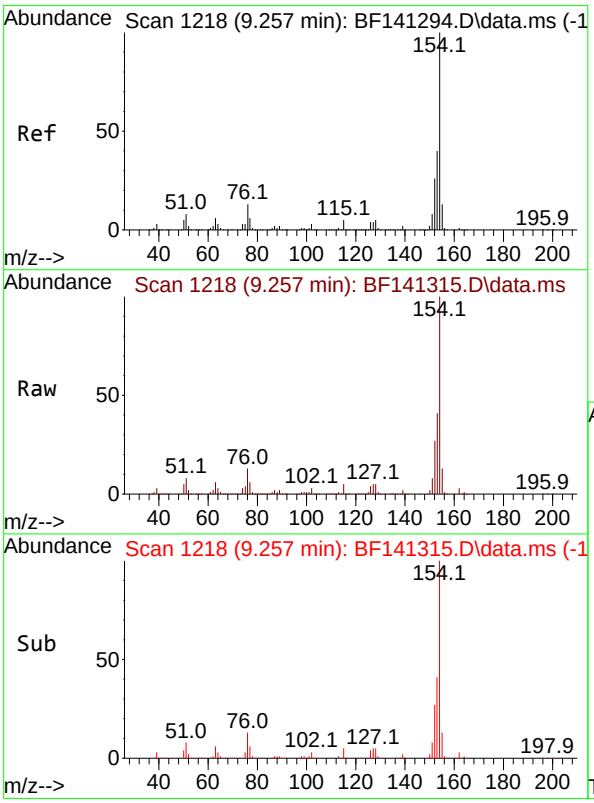
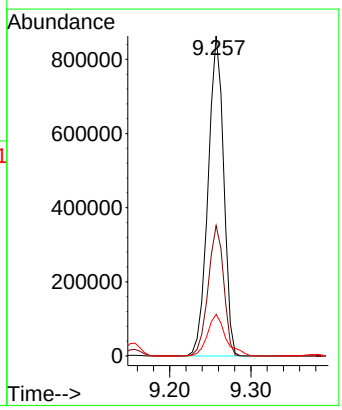
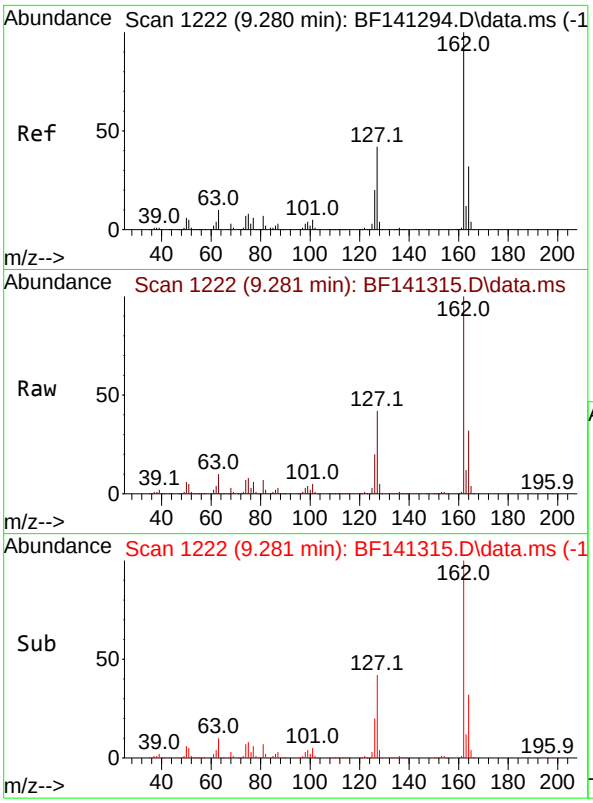


#46
1,1'-Biphenyl
Concen: 40.745 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:154 Resp: 1148416

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.0	60.0
76	13.0	0.0	32.8

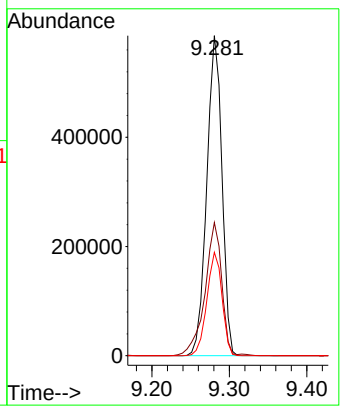




#47
2-Chloronaphthalene
Concen: 36.241 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:162 Resp: 79617

Ion	Ratio	Lower	Upper
162	100		
127	41.6	33.7	50.5
164	32.3	25.9	38.9



Instrument :
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ClientSampleId :
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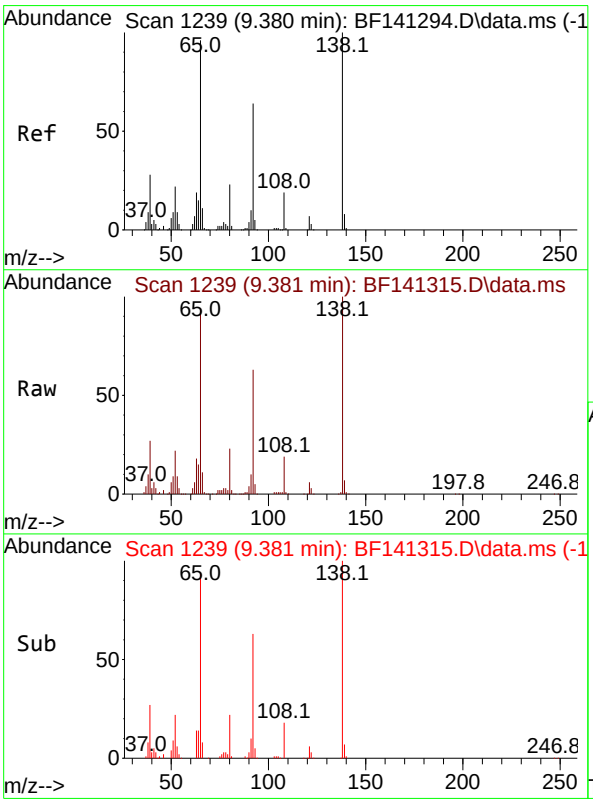
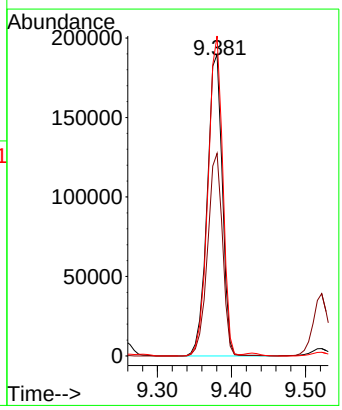
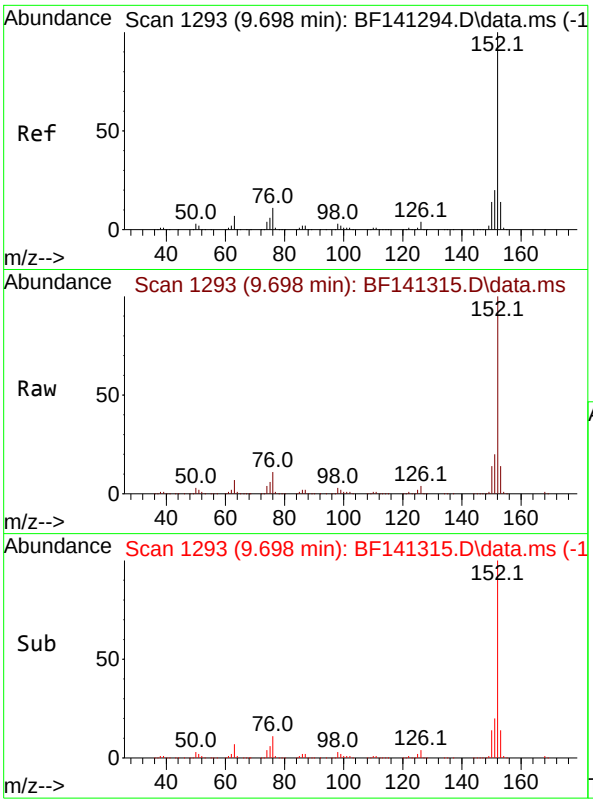


#48
2-Nitroaniline
Concen: 38.862 ng
RT: 9.381 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 65 Resp: 268545

Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.3	79.9
138	106.1	83.6	125.4

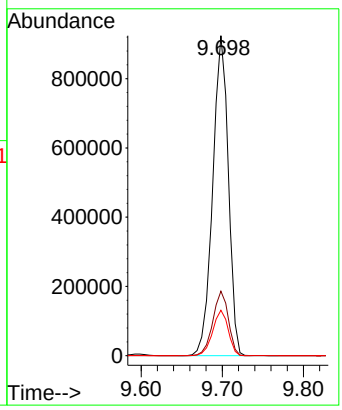




#49
Acenaphthylene
Concen: 40.194 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:152 Resp: 123608

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	14.2	11.0	16.6



Instrument :
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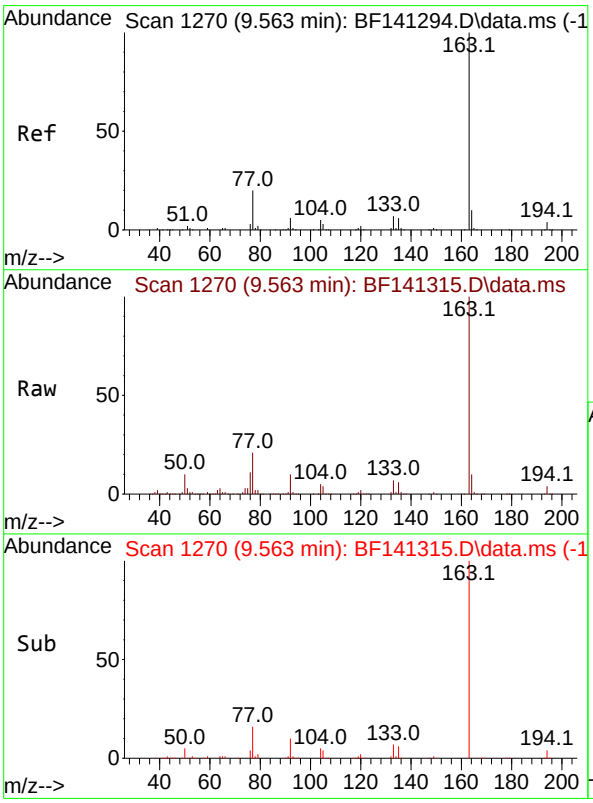
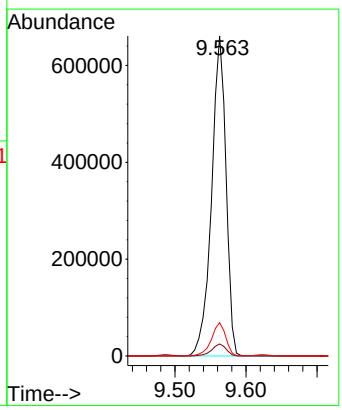
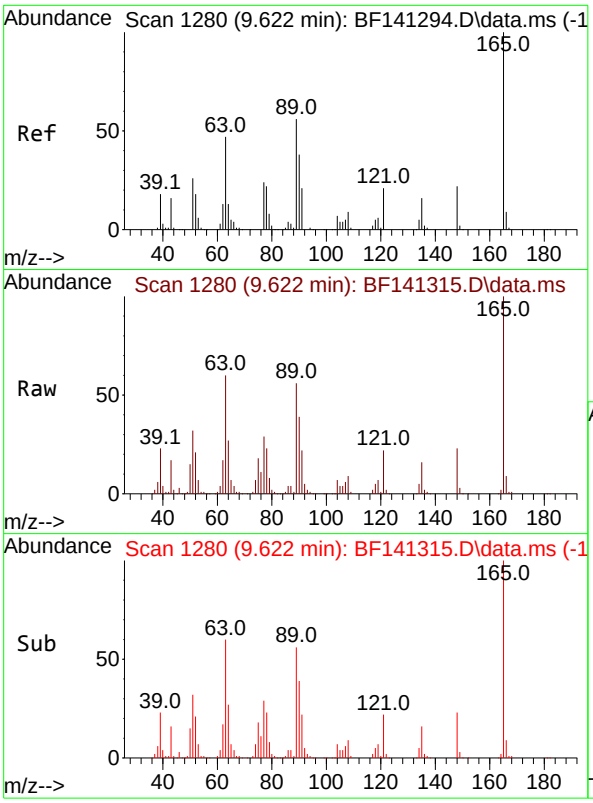


#50
Dimethylphthalate
Concen: 38.156 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:163 Resp: 931376

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.4	8.0	12.0

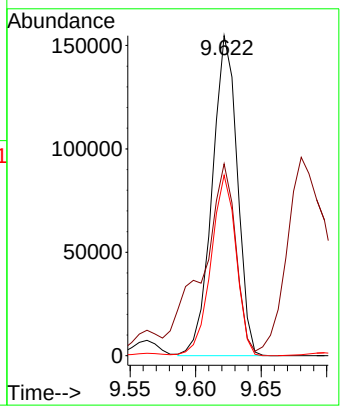




#51
2,6-Dinitrotoluene
Concen: 36.359 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:165 Resp: 20606

Ion	Ratio	Lower	Upper
165	100		
63	60.0	48.1	72.1
89	56.4	44.9	67.3



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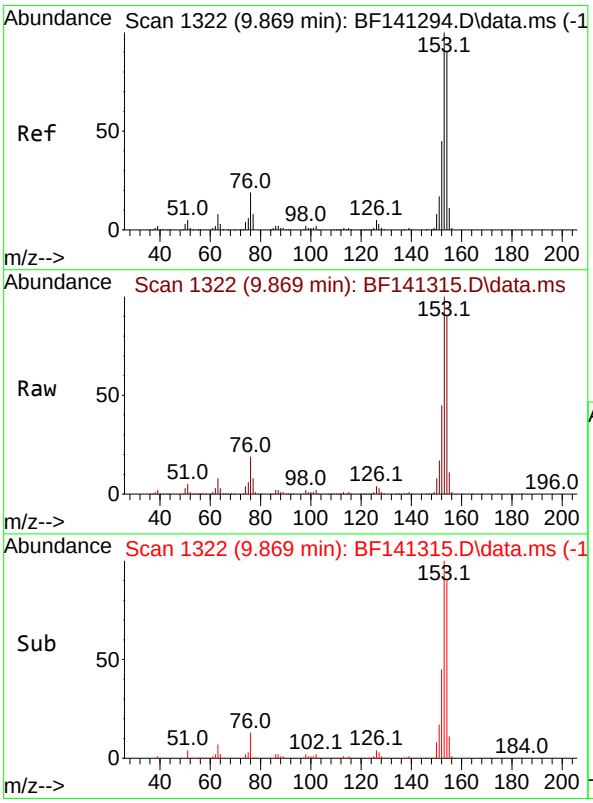
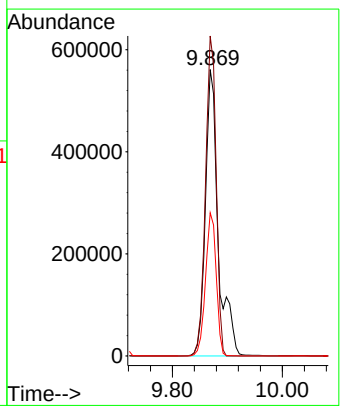
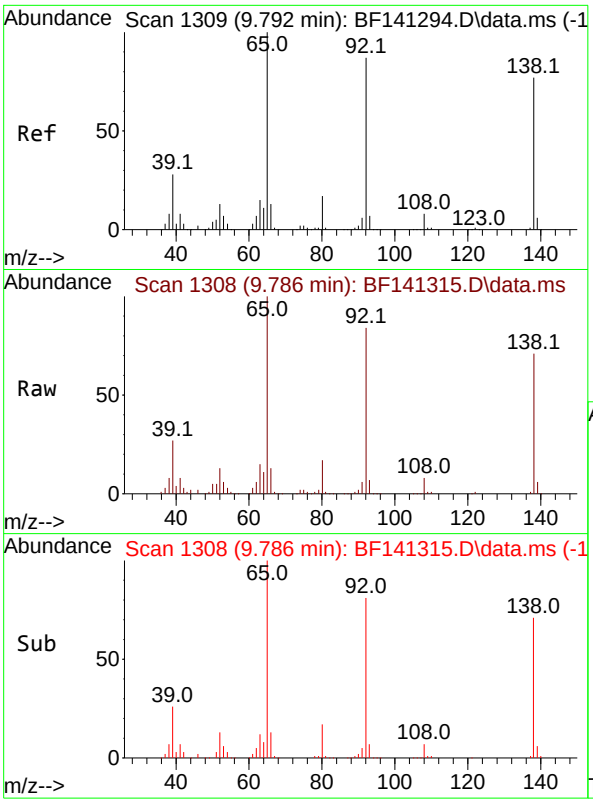


#52
Acenaphthene
Concen: 41.441 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:154 Resp: 910445

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.0	133.4
152	50.0	40.2	60.4

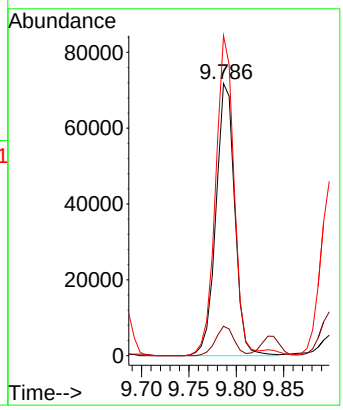




#53
3-Nitroaniline
Concen: 17.902 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:138 Resp: 9944

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	12.8
92	117.5	91.0	136.6



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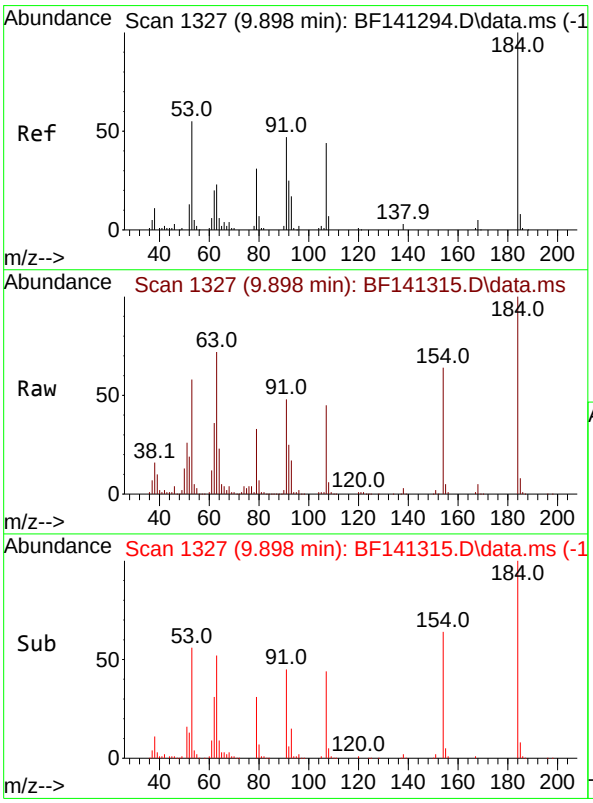
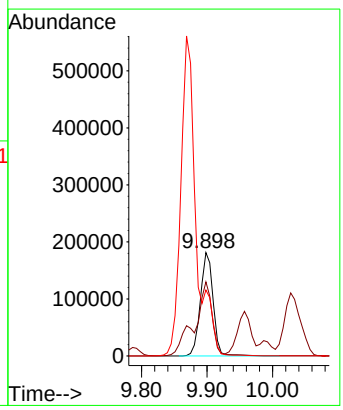
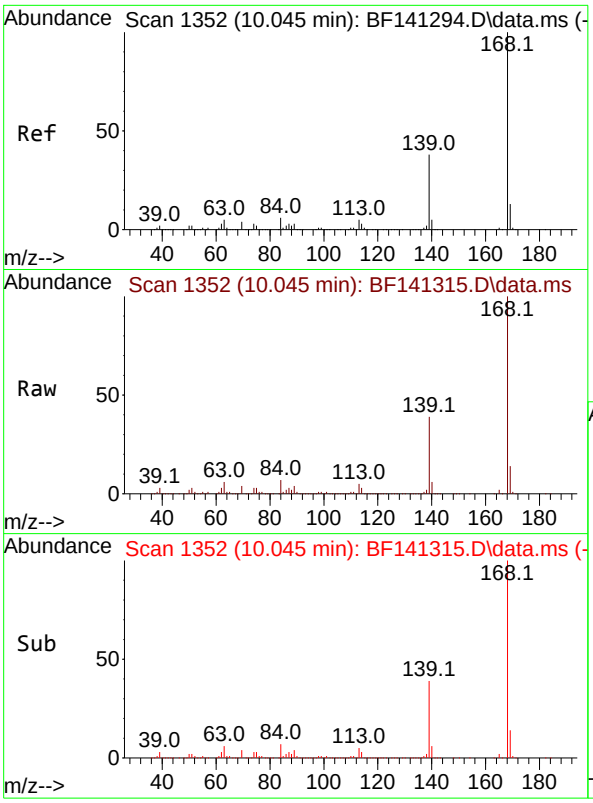


#54
2,4-Dinitrophenol
Concen: 93.333 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:184 Resp: 245895

Ion	Ratio	Lower	Upper
184	100		
63	71.7	54.1	81.1
154	63.8	50.7	76.1

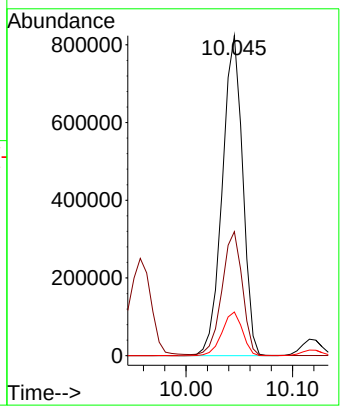




#55
Dibenzofuran
Concen: 37.190 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:168 Resp: 109367

Ion	Ratio	Lower	Upper
168	100		
139	38.8	30.6	46.0
169	13.7	10.8	16.2



Instrument :
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ClientSampleId :
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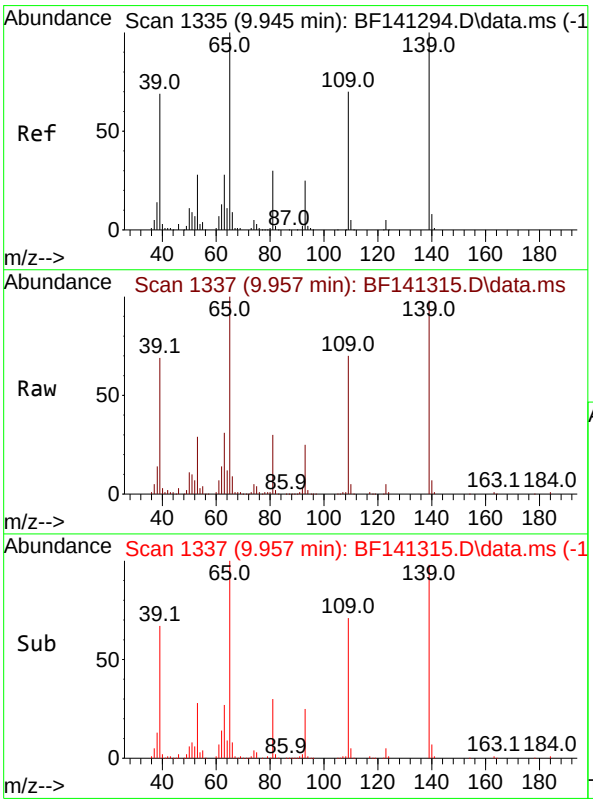
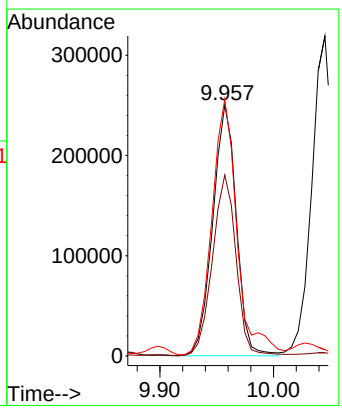
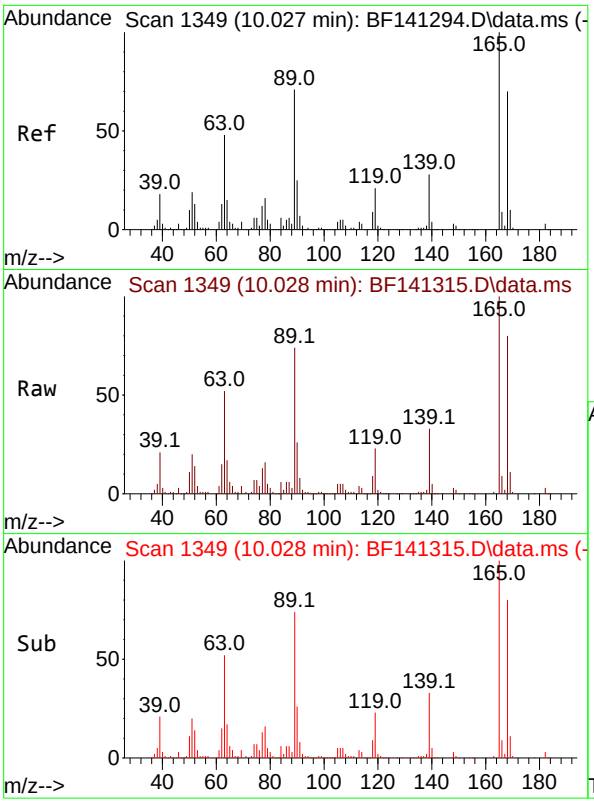


#56
4-Nitrophenol
Concen: 88.860 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:139 Resp: 360991

Ion	Ratio	Lower	Upper
139	100		
109	72.2	50.2	90.2
65	102.4	80.6	120.6

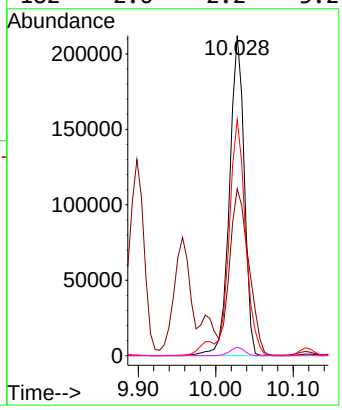




#57
2,4-Dinitrotoluene
Concen: 38.281 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:165 Resp: 28090

Ion	Ratio	Lower	Upper
165	100		
63	52.1	39.2	58.8
89	73.8	56.9	85.3
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
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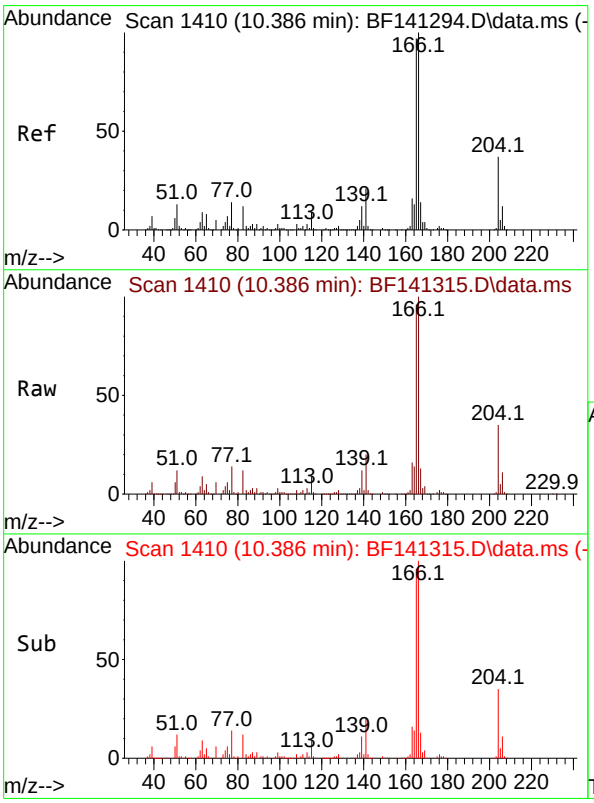
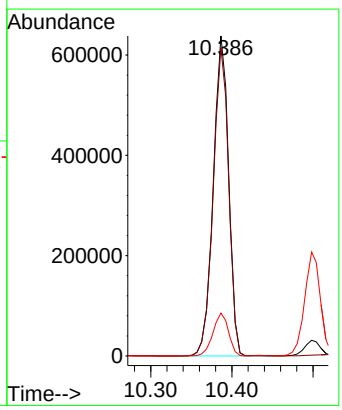
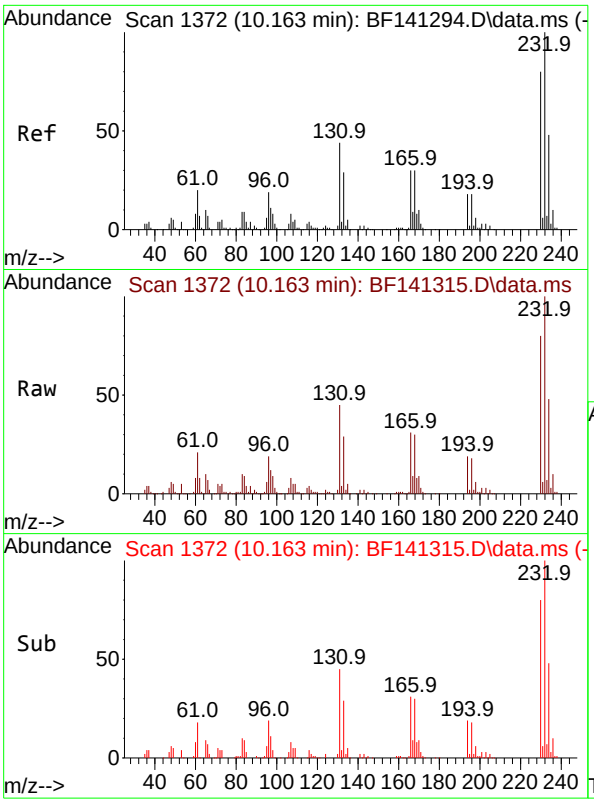


#58
Fluorene
Concen: 36.844 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:166 Resp: 840449

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.5	116.3
167	13.4	10.9	16.3

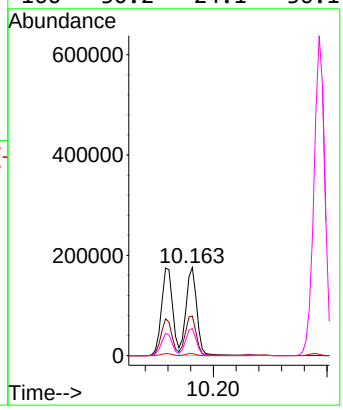




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.247 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:232 Resp: 23191

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.4	54.6
130	2.4	1.9	2.9
166	30.2	24.1	36.1



Instrument :
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ClientSampleId :
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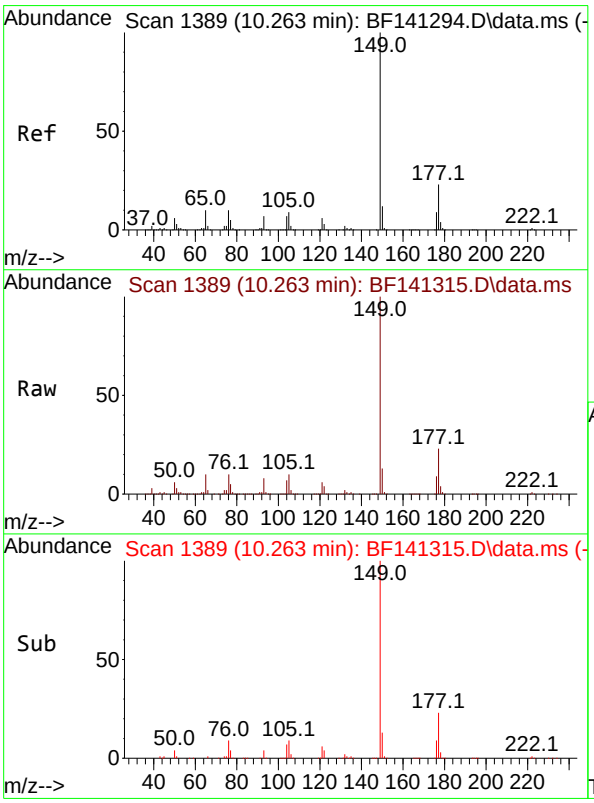
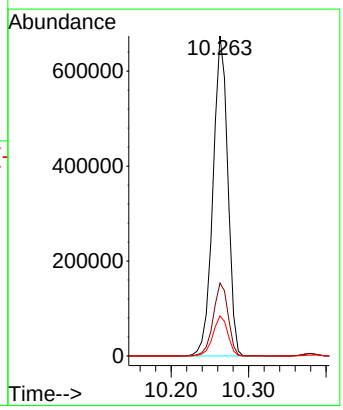
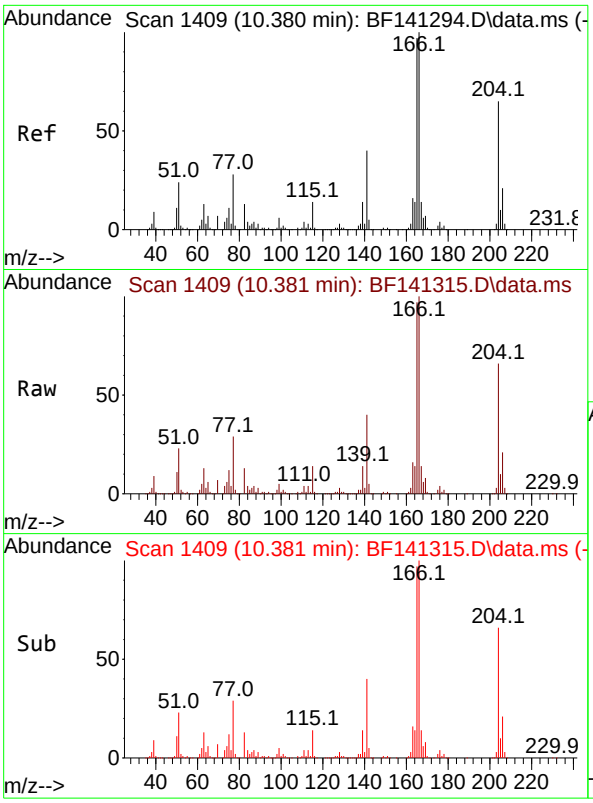


#60
Diethylphthalate
Concen: 37.755 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:149 Resp: 893576

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.5	27.7
150	12.5	10.0	15.0

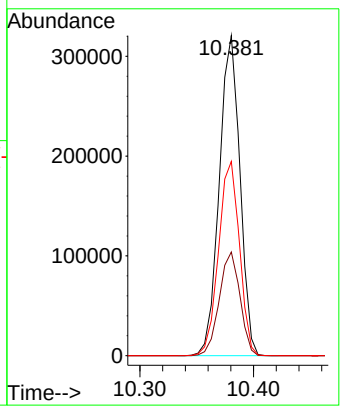




#61
4-Chlorophenyl-phenylether
Concen: 36.376 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:204 Resp: 40532

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	60.7	49.5	74.3



Instrument :
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ClientSampleId :
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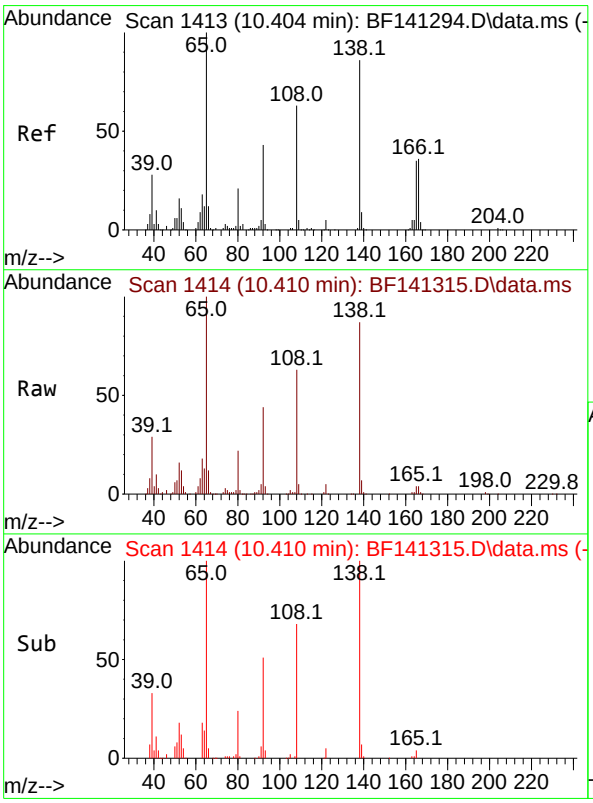
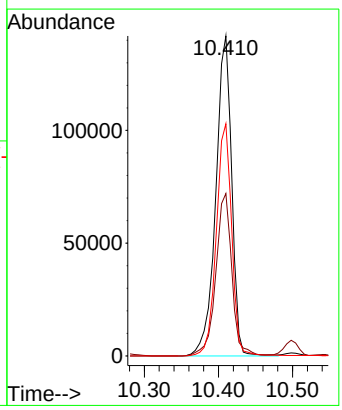
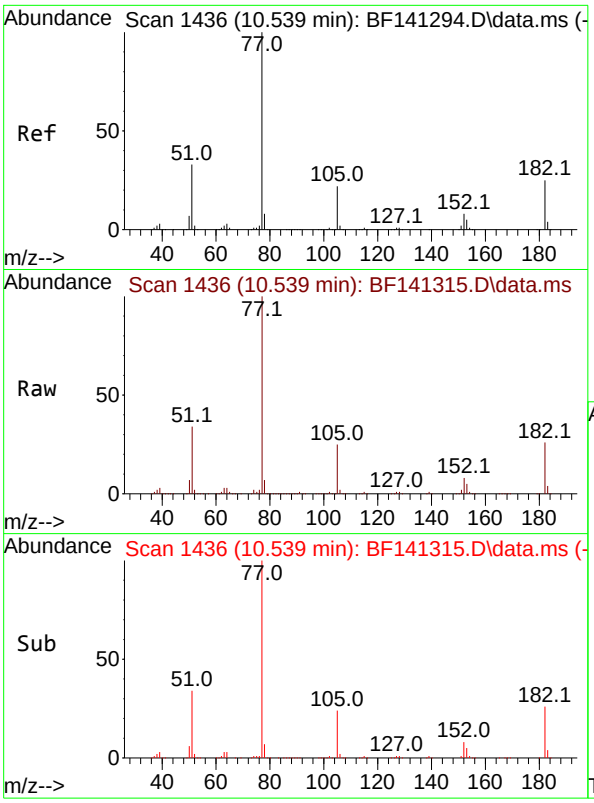


#62
4-Nitroaniline
Concen: 38.819 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:138 Resp: 211996

Ion	Ratio	Lower	Upper
138	100		
92	50.8	30.1	70.1
108	72.5	53.1	93.1

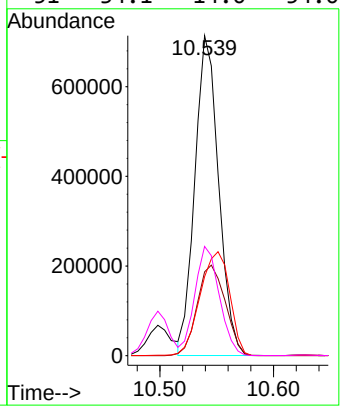




#63
Azobenzene
Concen: 43.776 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion: 77 Resp: 103708

Ion	Ratio	Lower	Upper
77	100		
182	26.2	5.1	45.1
105	24.7	1.8	41.8
51	34.1	14.0	54.0



Instrument :
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ClientSampleId :
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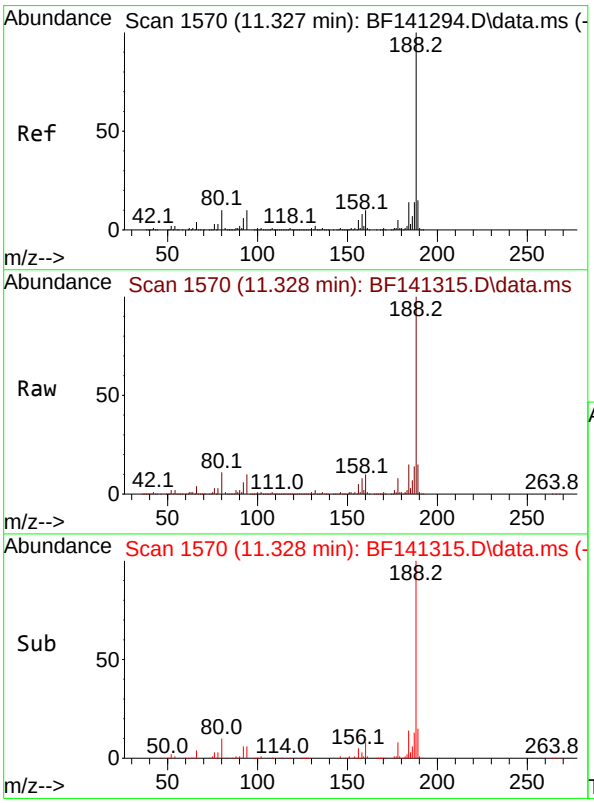
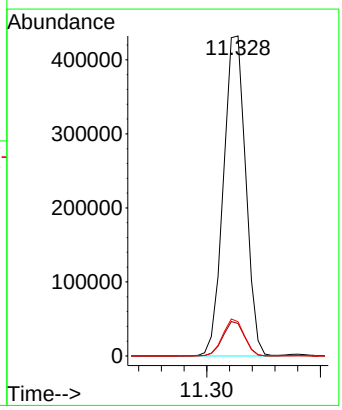
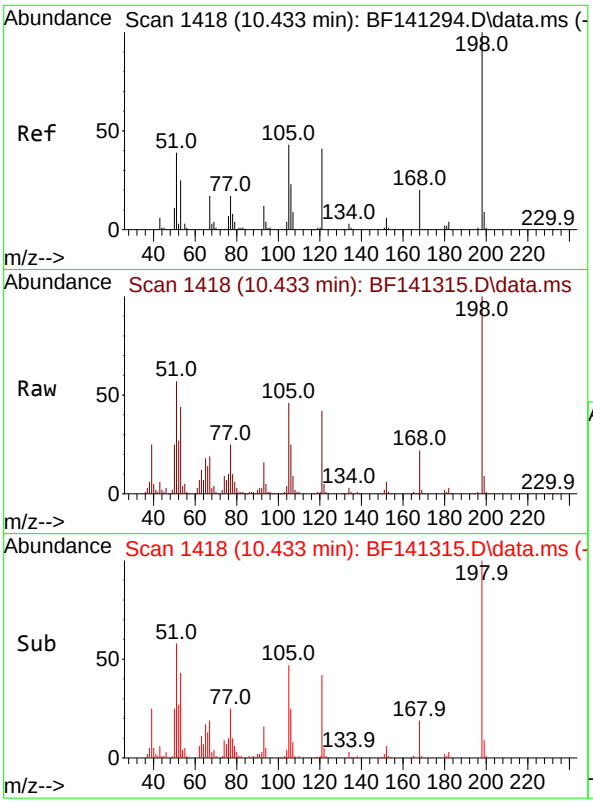


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:188 Resp: 589870

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.7	8.2	12.4

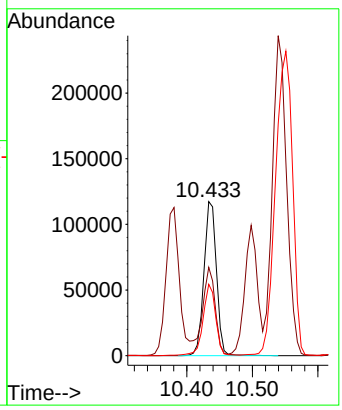




#65
4,6-Dinitro-2-methylphenol
Concen: 44.747 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:198 Resp: 15612

Ion	Ratio	Lower	Upper
198	100		
51	57.2	33.4	73.4
105	46.3	24.4	64.4



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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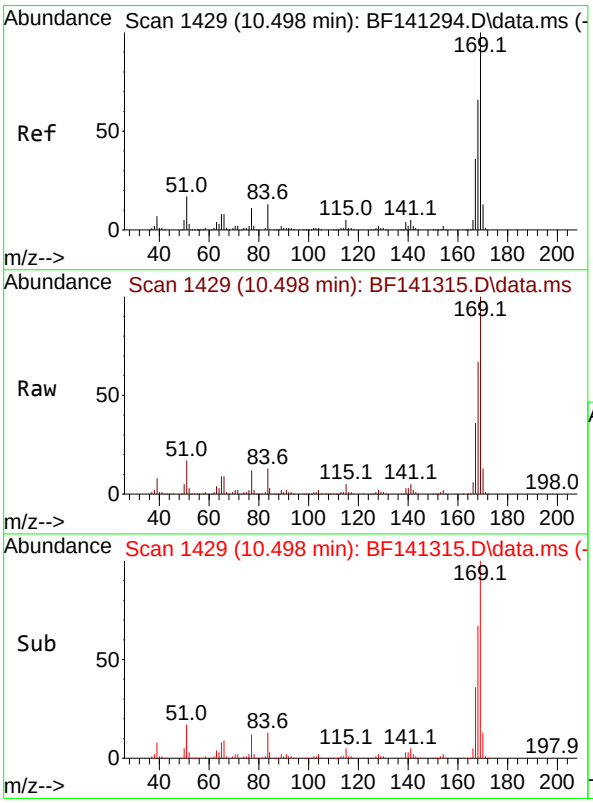
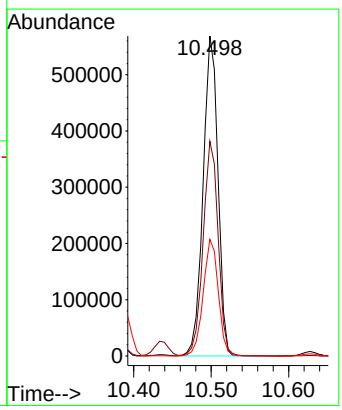
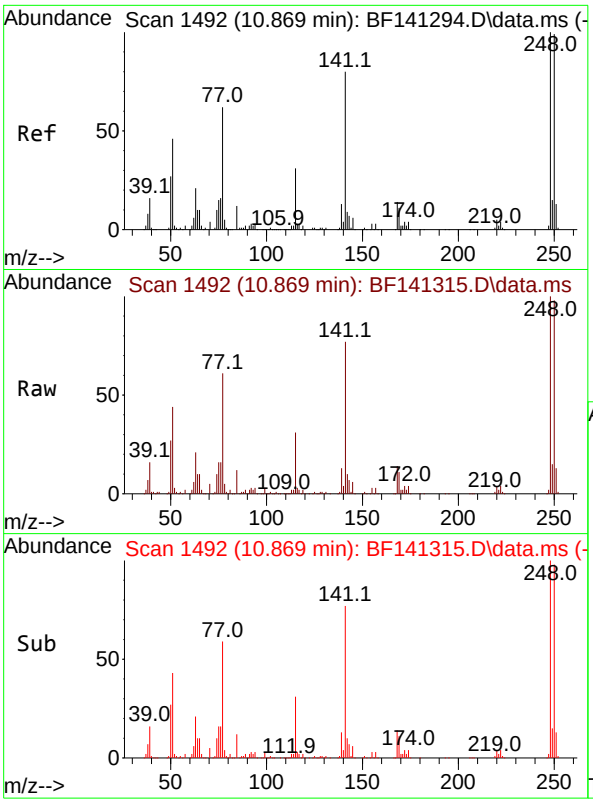


#66
n-Nitrosodiphenylamine
Concen: 39.707 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:169 Resp: 757543

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.0	79.4
167	36.5	28.8	43.2

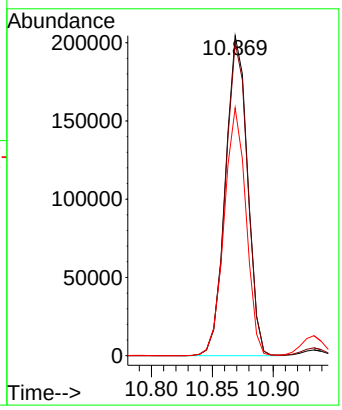




#67
4-Bromophenyl-phenylether
Concen: 39.142 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:248 Resp: 25848

Ion	Ratio	Lower	Upper
248	100		
250	98.0	79.0	118.4
141	77.4	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
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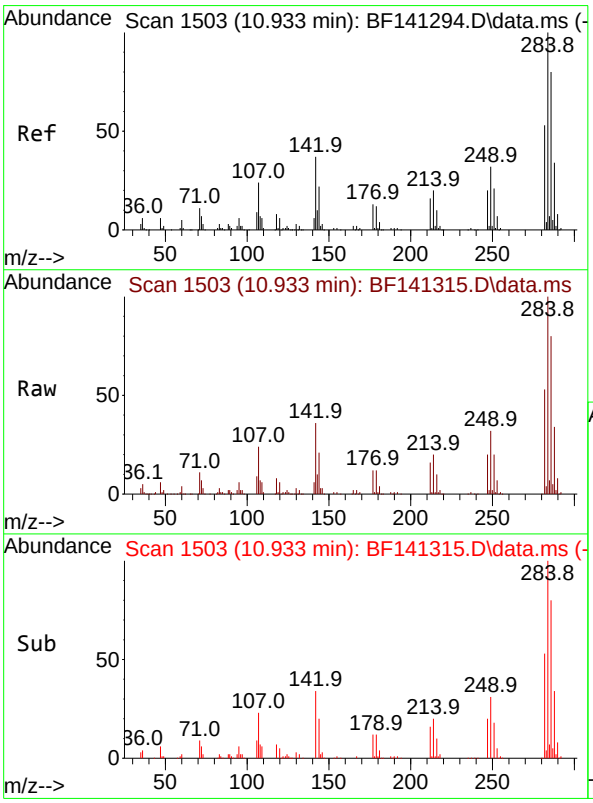
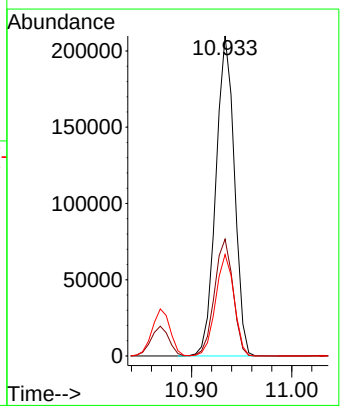
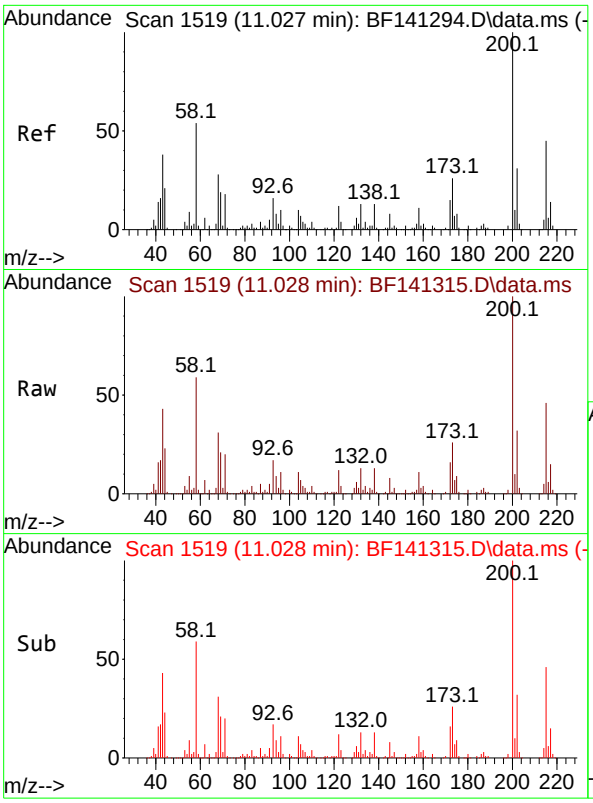


#68
Hexachlorobenzene
Concen: 38.355 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:284 Resp: 268678

Ion	Ratio	Lower	Upper
284	100		
142	36.5	29.5	44.3
249	31.7	25.4	38.2

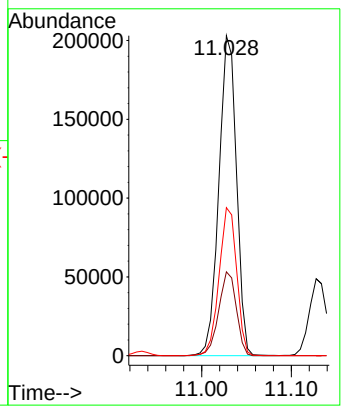




#69
Atrazine
Concen: 43.348 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:200 Resp: 27651

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.9	45.9
215	46.2	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
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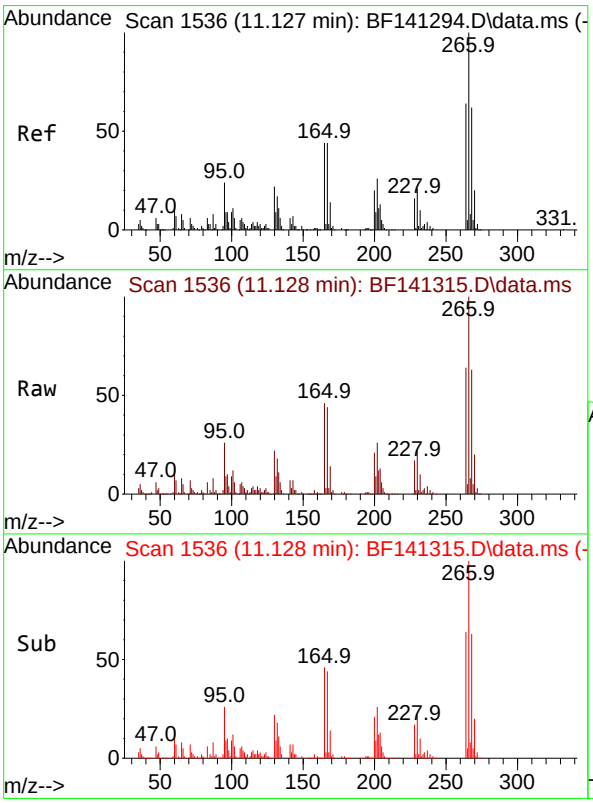
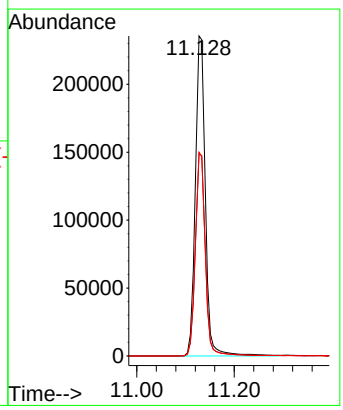
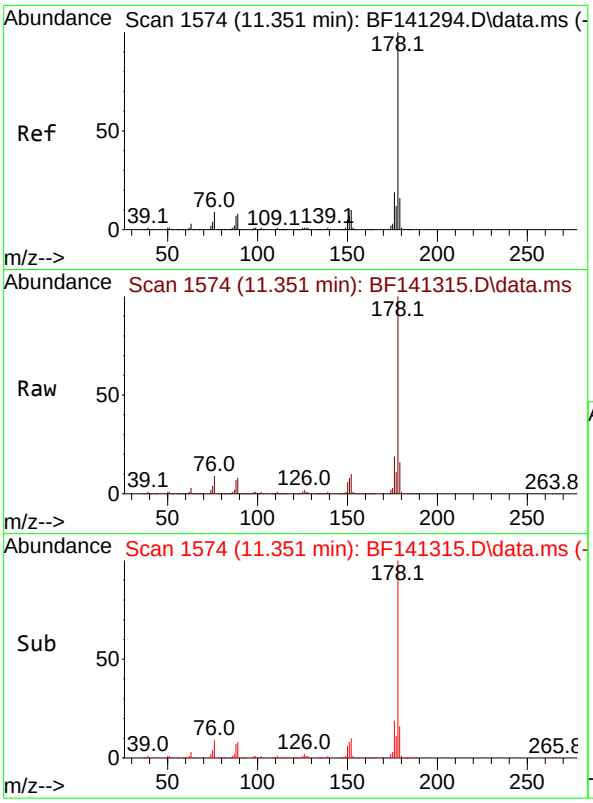


#70
Pentachlorophenol
Concen: 82.551 ng
RT: 11.128 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:266 Resp: 338623

Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.9	74.9
264	63.7	51.0	76.4

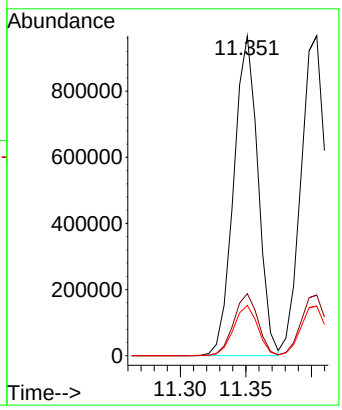




#71
Phenanthrene
Concen: 39.305 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:178 Resp: 124627

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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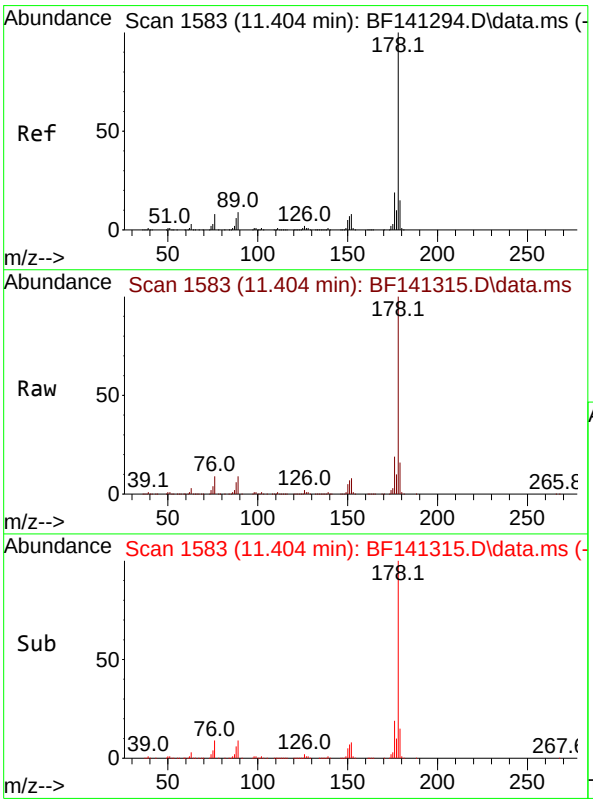
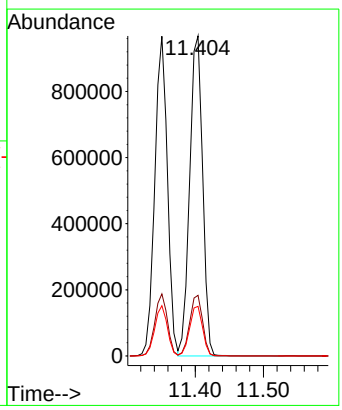
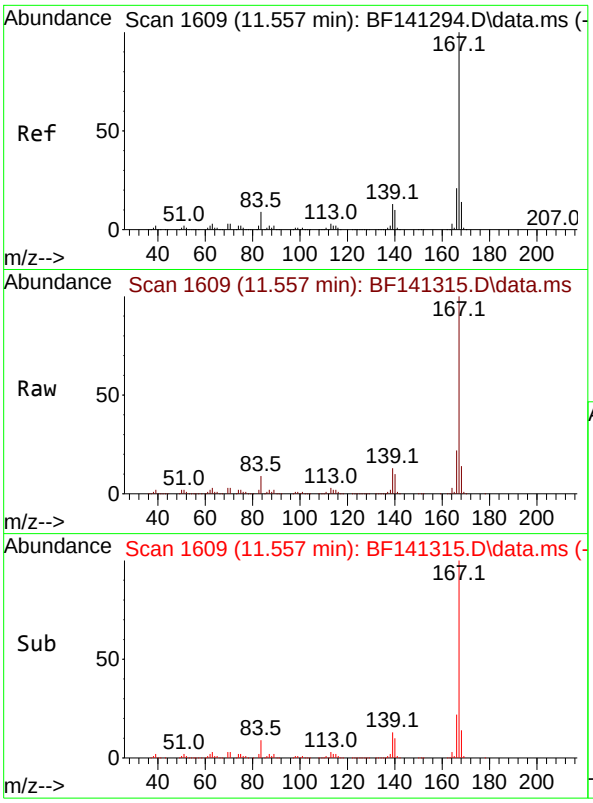


#72
Anthracene
Concen: 40.904 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:178 Resp: 1270809

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.6
179	15.5	12.3	18.5

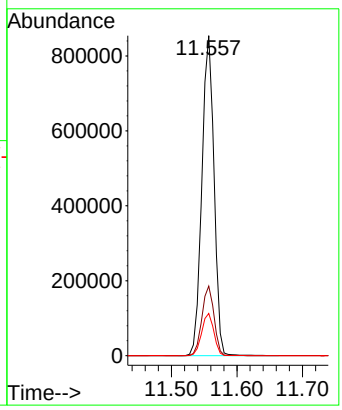




#73
Carbazole
Concen: 40.093 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:167 Resp: 110452

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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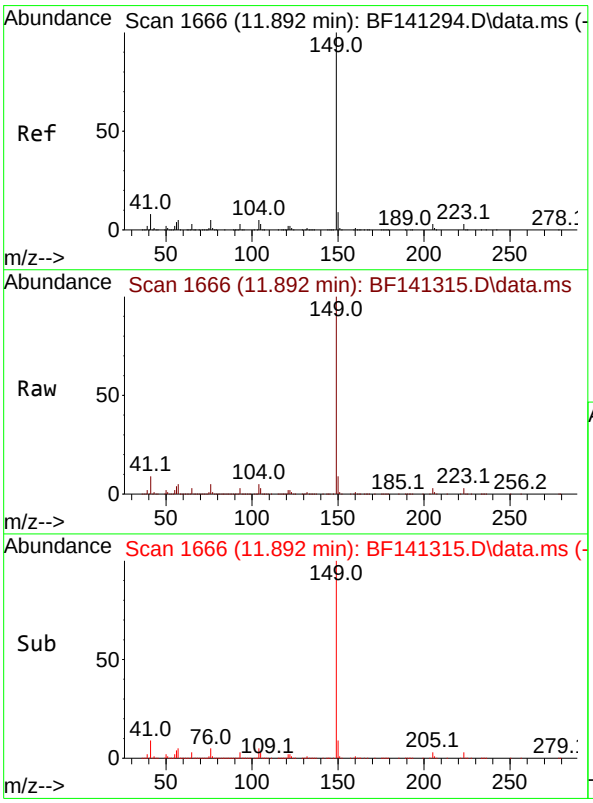
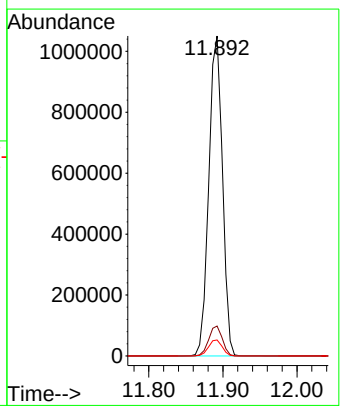
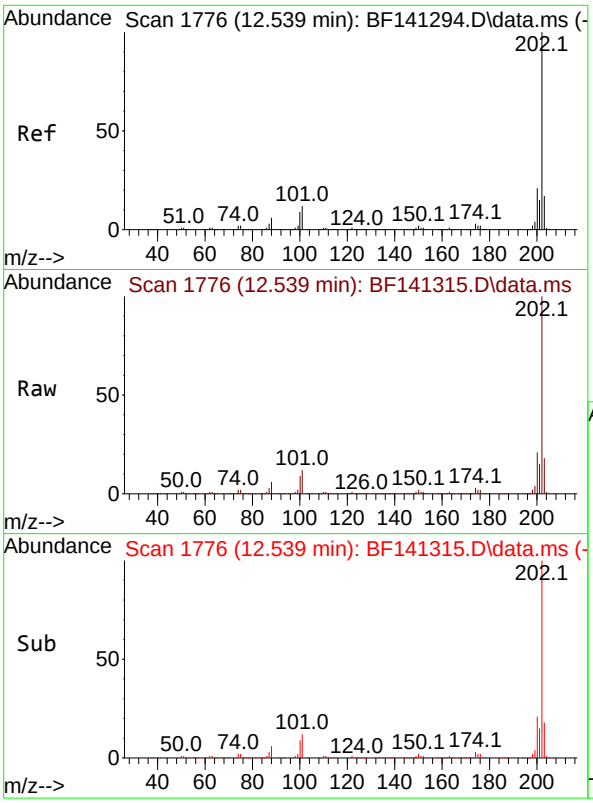


#74
Di-n-butylphthalate
Concen: 40.206 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:149 Resp: 1342332

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9

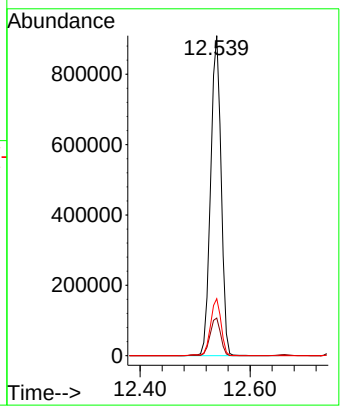




#75
Fluoranthene
Concen: 38.321 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:202 Resp: 119976

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.8	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations
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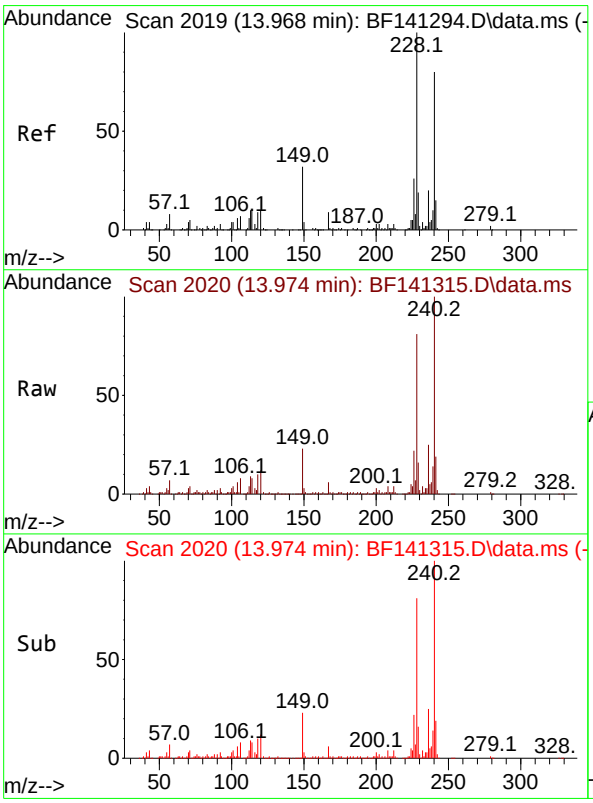
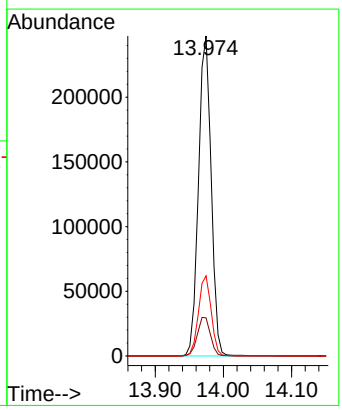
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

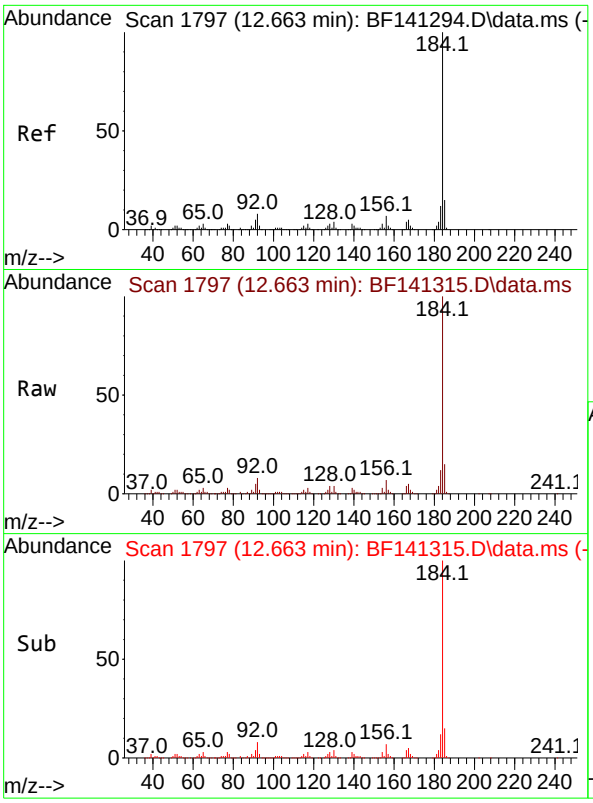


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:240 Resp: 319317

Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.0	15.0
236	25.0	19.7	29.5

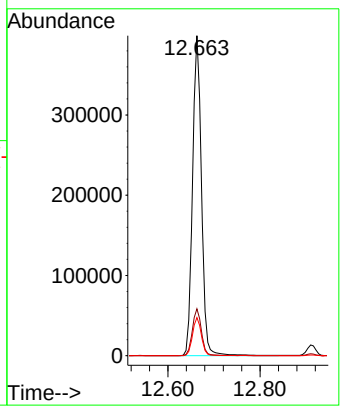




#77
Benzidine
Concen: 52.246 ng
RT: 12.663 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:184 Resp: 53483

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.9	17.9
183	11.9	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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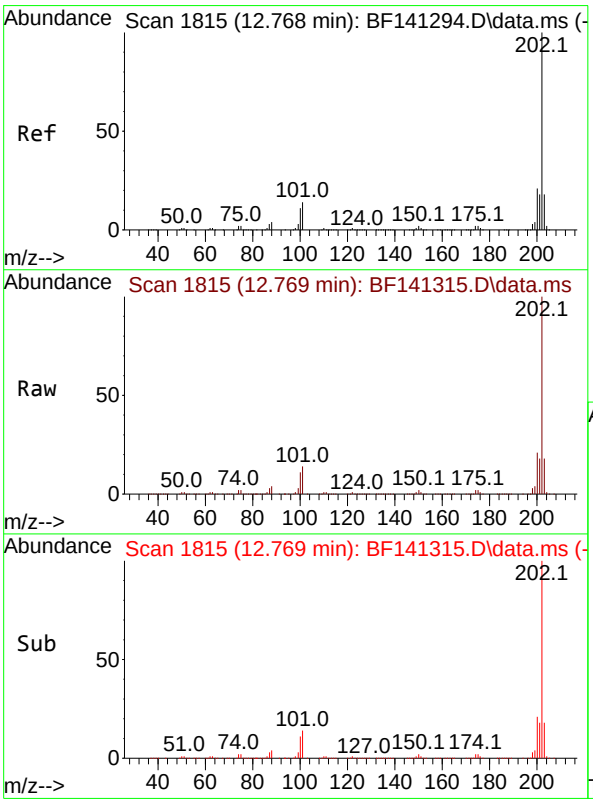
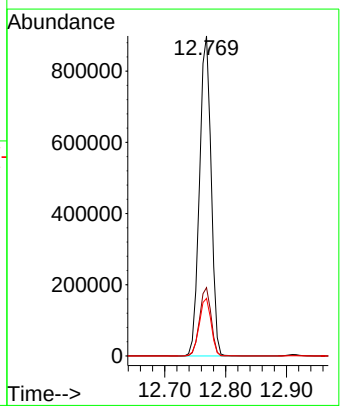
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

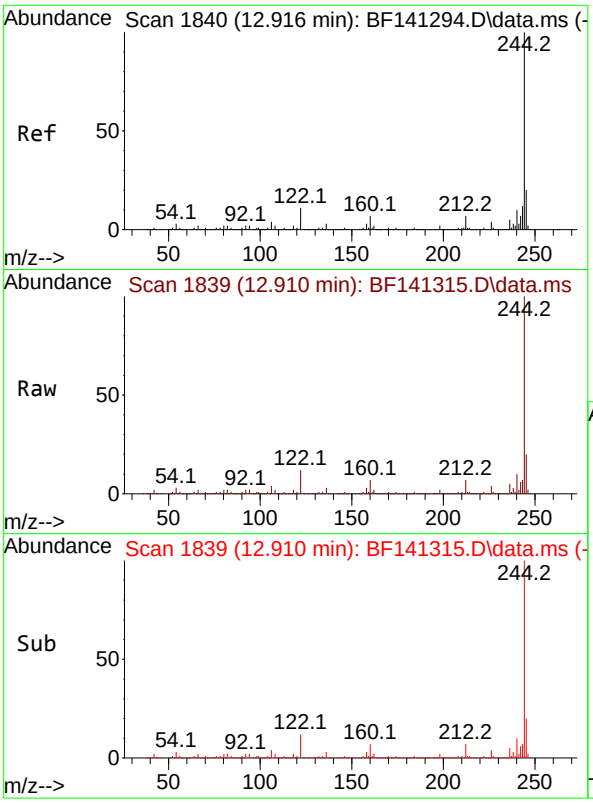


#78
Pyrene
Concen: 38.836 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:202 Resp: 1190370

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.0	14.3	21.5

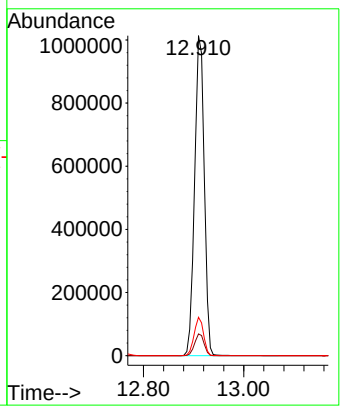




#79
Terphenyl-d14
Concen: 65.165 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:244 Resp: 134928

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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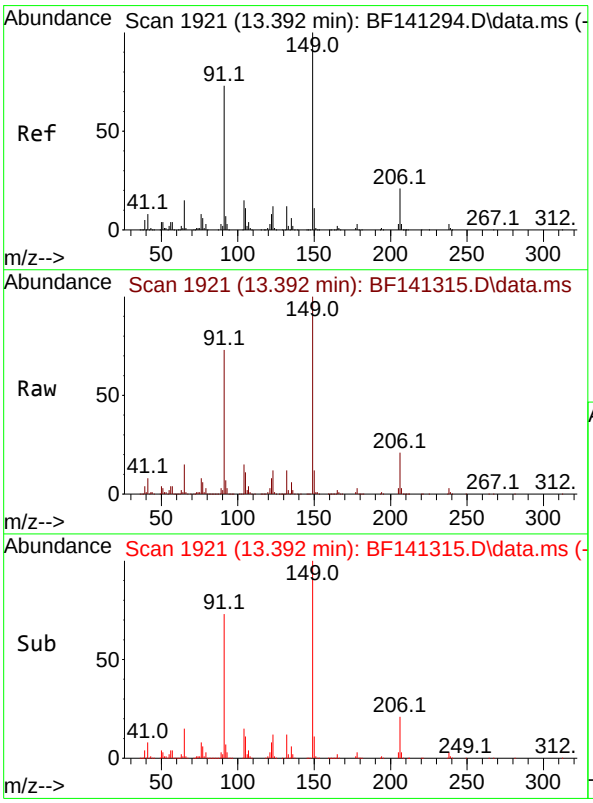
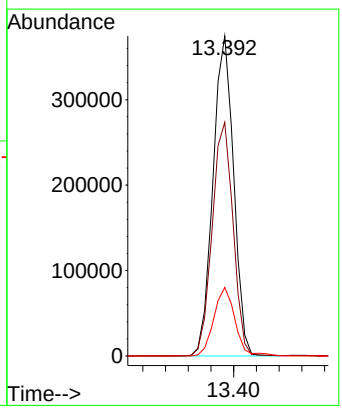
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

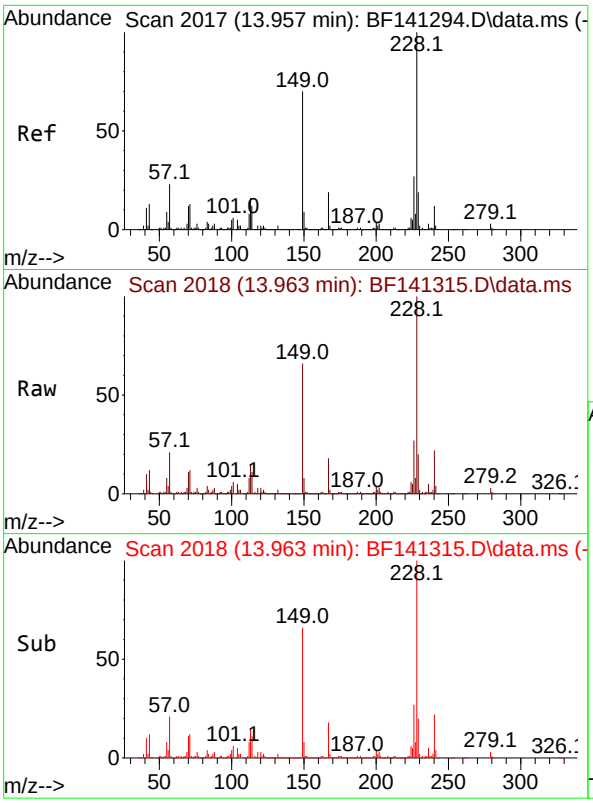


#80
Butylbenzylphthalate
Concen: 44.191 ng
RT: 13.392 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:149 Resp: 473214

Ion	Ratio	Lower	Upper
149	100		
91	73.0	58.6	87.8
206	21.4	16.7	25.1

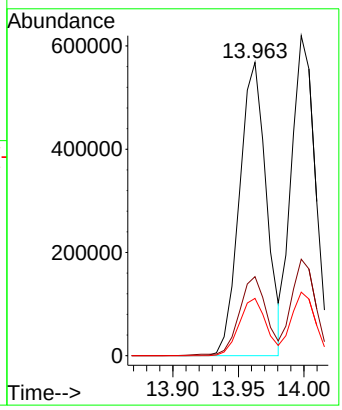




#81
Benzo(a)anthracene
Concen: 36.852 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:228 Resp: 81202

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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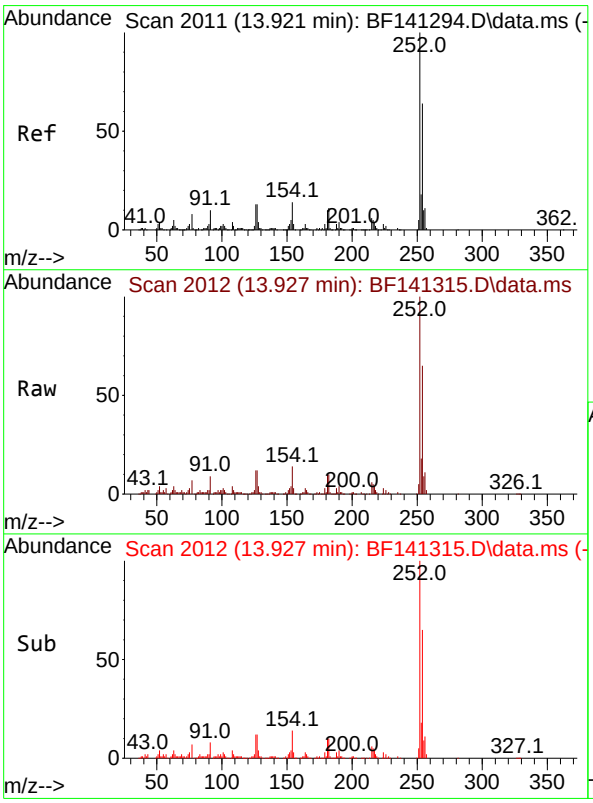
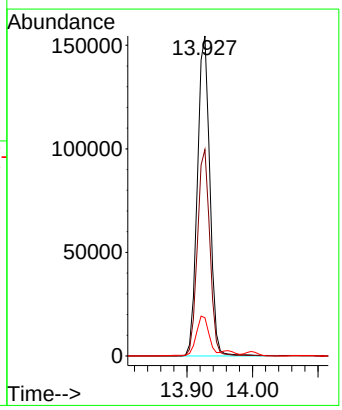
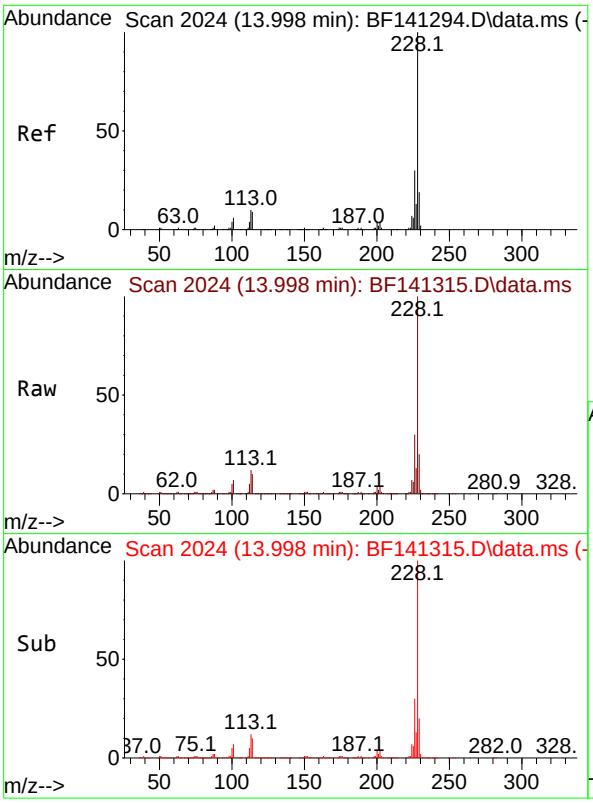


#82
3,3'-Dichlorobenzidine
Concen: 29.259 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:252 Resp: 205049

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.3	76.9
126	12.0	10.0	15.0

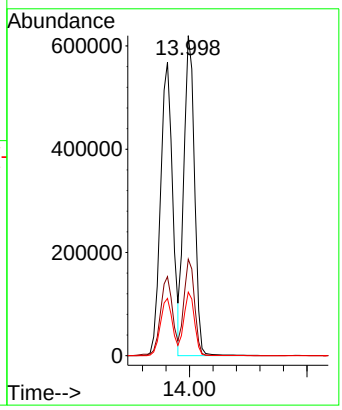




#83
Chrysene
Concen: 38.860 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:228 Resp: 78473

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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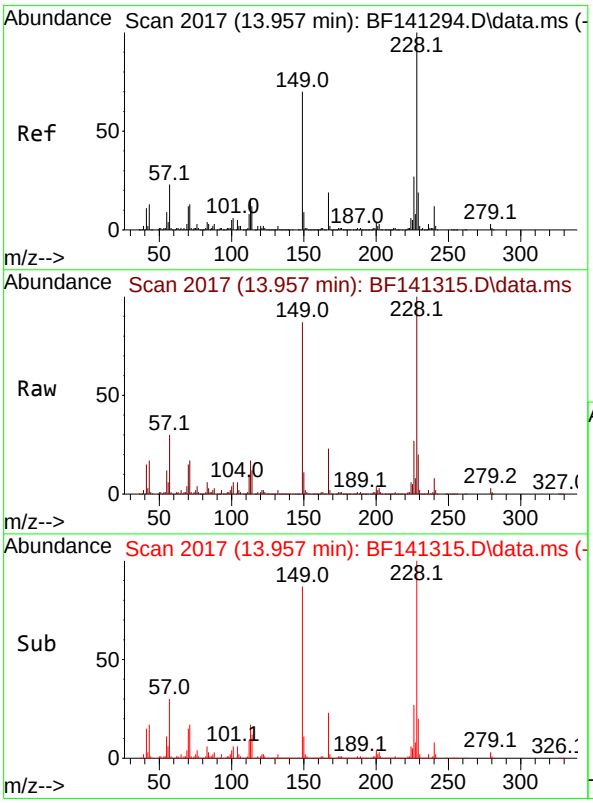
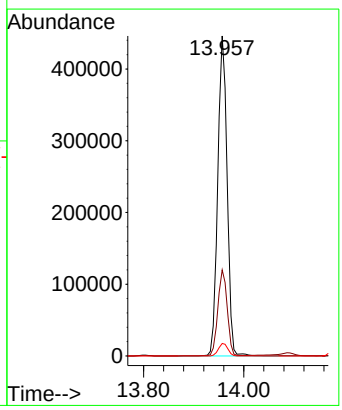
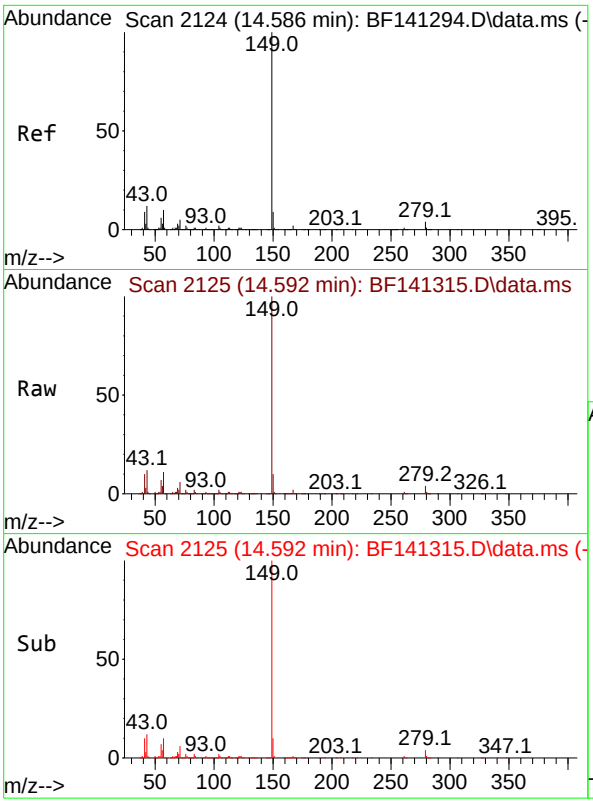


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.396 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:149 Resp: 575904

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.8	32.8
279	3.9	3.3	4.9

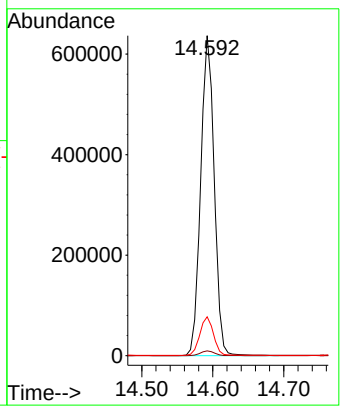




#85
Di-n-octyl phthalate
Concen: 40.068 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:149 Resp: 84537

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.3	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
WC-5MS

Manual Integrations
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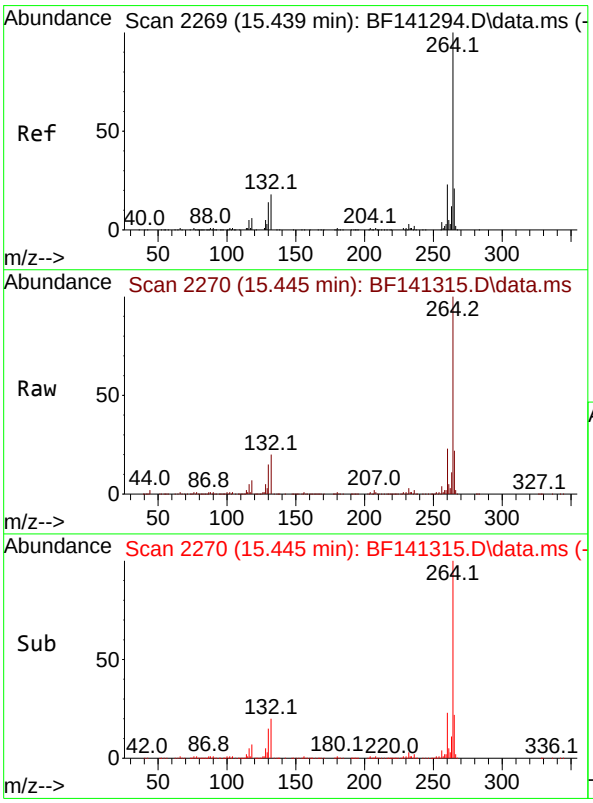
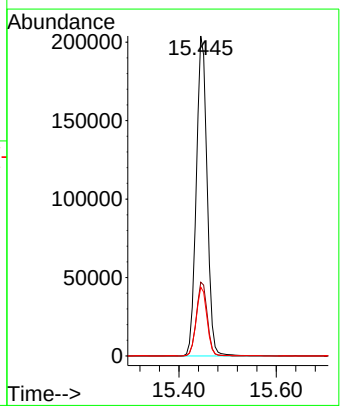
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

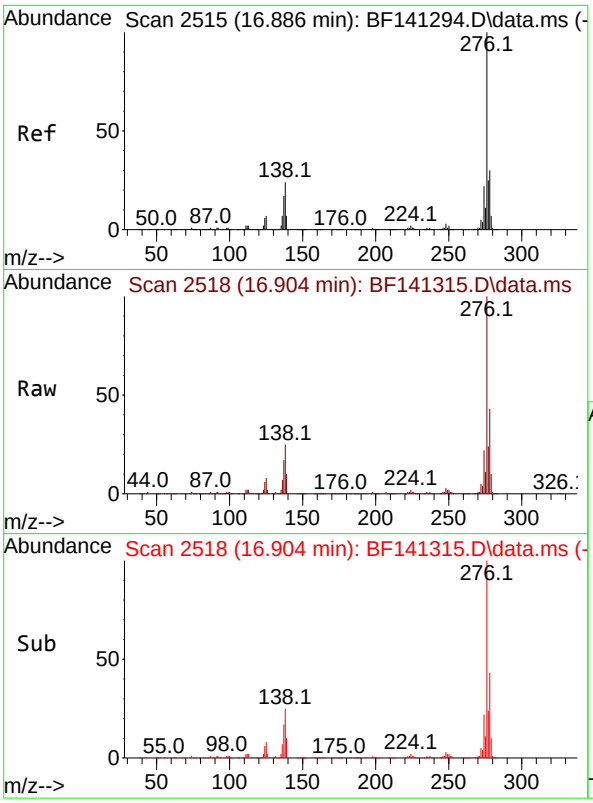


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:264 Resp: 315915

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.5	16.7	25.1

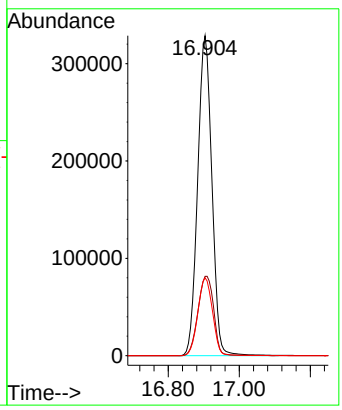




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.947 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:276 Resp: 91647

Ion	Ratio	Lower	Upper
276	100		
138	27.5	21.7	32.5
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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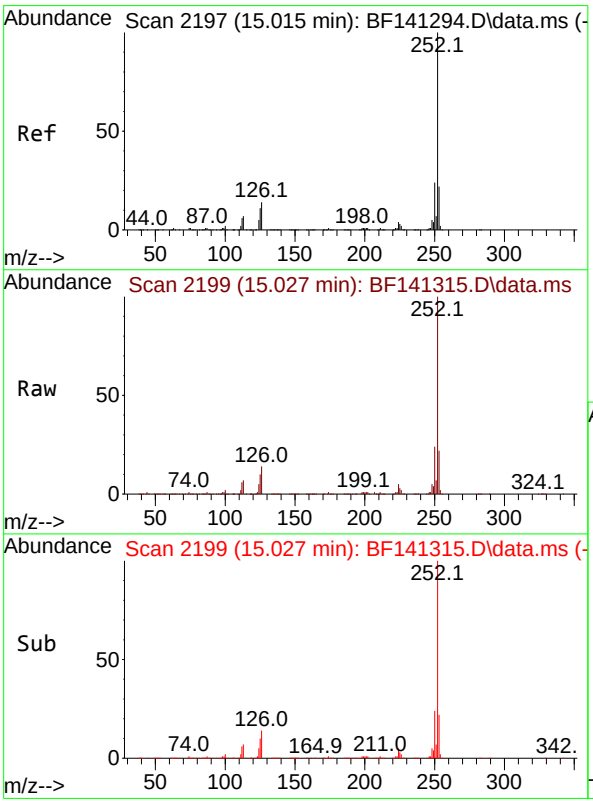
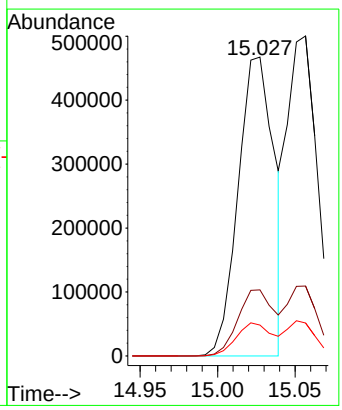
Supervised By :mohammad ahmed 01/31/2025

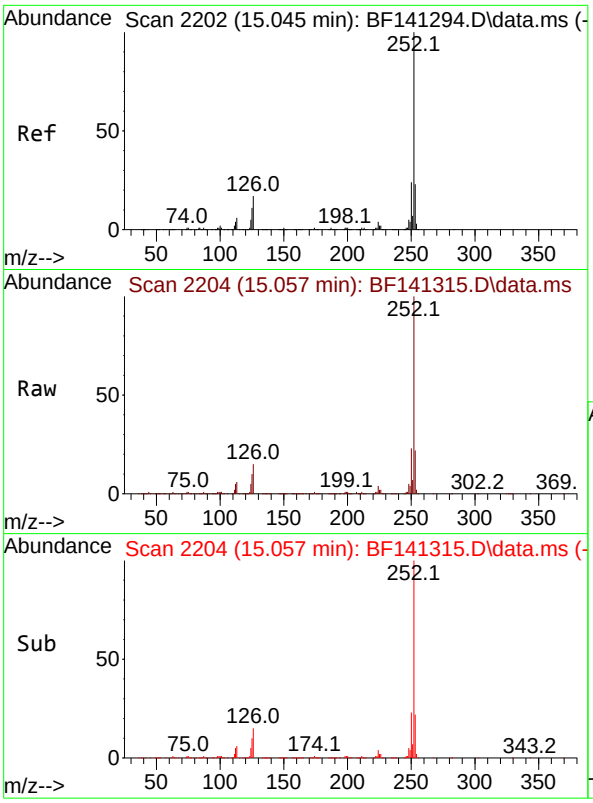


#88
Benzo(b)fluoranthene
Concen: 38.064 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:252 Resp: 756397

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	10.3	8.6	12.8

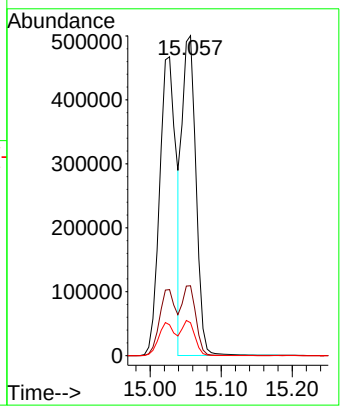




#89
Benzo(k)fluoranthene
Concen: 38.487 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:252 Resp: 67752

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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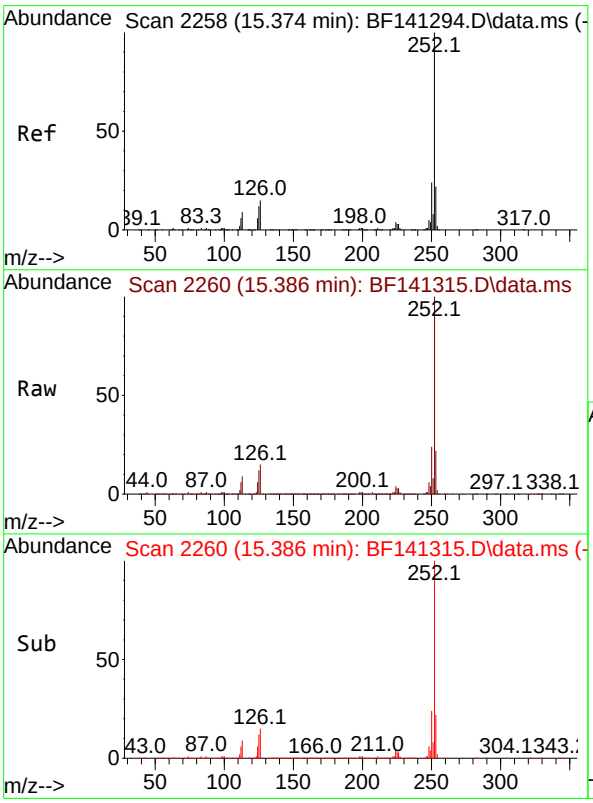
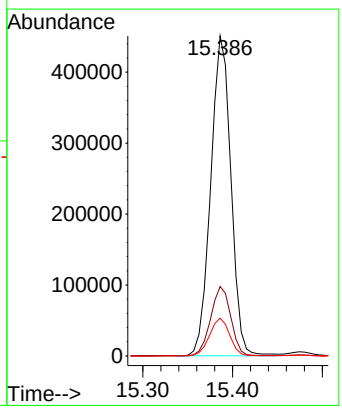
Supervised By :mohammad ahmed 01/31/2025

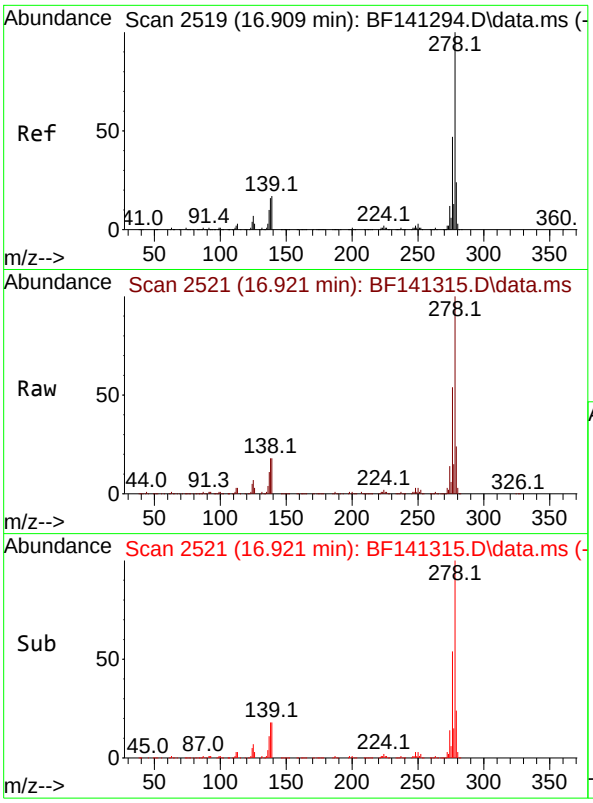


#90
Benzo(a)pyrene
Concen: 41.949 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:252 Resp: 704442

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	11.8	9.4	14.2

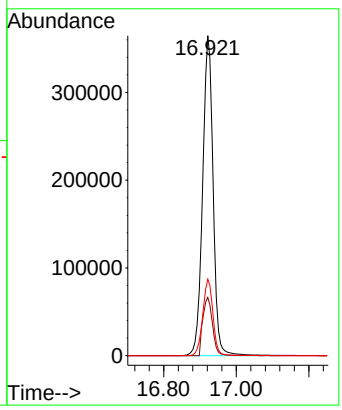




#91
Dibenzo(a,h)anthracene
Concen: 44.710 ng
RT: 16.921 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:278 Resp: 73343

Ion	Ratio	Lower	Upper
278	100		
139	18.2	13.9	20.9
279	23.8	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
WC-5MS

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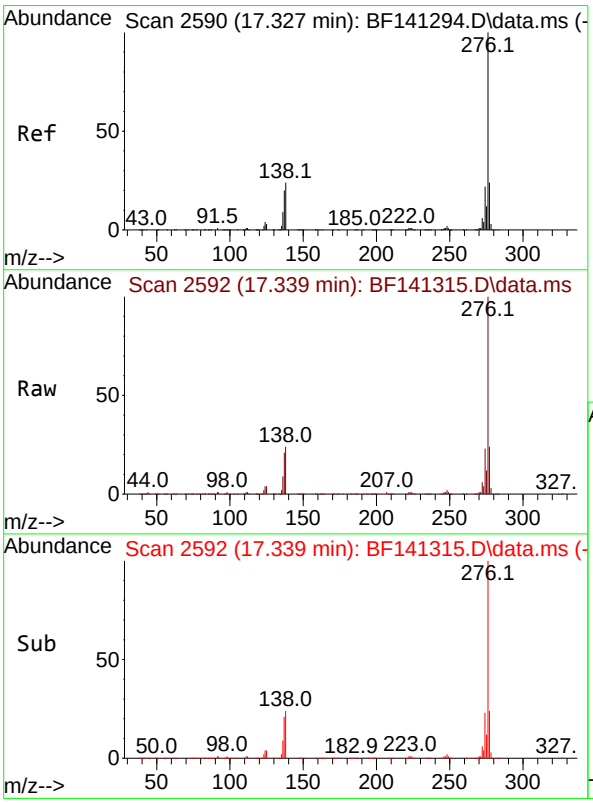
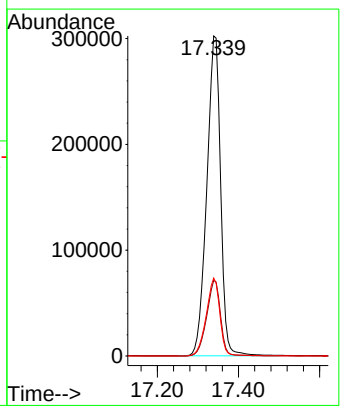
Supervised By :mohammad ahmed 01/31/2025



#92
Benzo(g,h,i)perylene
Concen: 41.738 ng
RT: 17.339 min Scan# 2592
Delta R.T. -0.006 min
Lab File: BF141315.D
Acq: 30 Jan 2025 16:03

Tgt Ion:276 Resp: 711929

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	24.3	19.0	28.4



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MSD	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141316.D	1	01/29/25 08:40	01/30/25 16:30	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		120	220	ug/Kg
108-95-2	Phenol	900		56.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	880		56.7	120	ug/Kg
95-57-8	2-Chlorophenol	920		56.6	120	ug/Kg
95-48-7	2-Methylphenol	900		54.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		61.6	120	ug/Kg
98-86-2	Acetophenone	960		58.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	850		54.1	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	880		27.3	54.2	ug/Kg
67-72-1	Hexachloroethane	870		56.3	120	ug/Kg
98-95-3	Nitrobenzene	840		61.6	120	ug/Kg
78-59-1	Isophorone	910		57.4	120	ug/Kg
88-75-5	2-Nitrophenol	920		64.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		63.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	890		58.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	890		51.2	120	ug/Kg
91-20-3	Naphthalene	840		56.0	120	ug/Kg
106-47-8	4-Chloroaniline	320		56.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	830		56.5	120	ug/Kg
105-60-2	Caprolactam	970		58.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		52.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	840		55.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	960		48.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	850		50.2	120	ug/Kg
92-52-4	1,1-Biphenyl	960		59.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	850		56.5	120	ug/Kg
88-74-4	2-Nitroaniline	940		64.4	120	ug/Kg
131-11-3	Dimethylphthalate	890		55.4	120	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MSD	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141316.D	1	01/29/25 08:40	01/30/25 16:30	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		58.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	860		56.4	120	ug/Kg
99-09-2	3-Nitroaniline	410		60.5	120	ug/Kg
83-32-9	Acenaphthene	980		55.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	160	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	78.6	220	ug/Kg
132-64-9	Dibenzofuran	870		57.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	890		58.4	120	ug/Kg
84-66-2	Diethylphthalate	880		54.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	850		58.0	120	ug/Kg
86-73-7	Fluorene	860		58.0	120	ug/Kg
100-01-6	4-Nitroaniline	910		72.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		79.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	920		55.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	910		53.5	120	ug/Kg
118-74-1	Hexachlorobenzene	880		57.6	120	ug/Kg
1912-24-9	Atrazine	1000		62.0	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	52.4	220	ug/Kg
85-01-8	Phenanthrene	910		56.9	120	ug/Kg
120-12-7	Anthracene	940		57.2	120	ug/Kg
86-74-8	Carbazole	930		54.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	930		57.1	120	ug/Kg
206-44-0	Fluoranthene	910		55.4	120	ug/Kg
129-00-0	Pyrene	900		56.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		65.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	700		66.8	220	ug/Kg
56-55-3	Benzo(a)anthracene	890		54.7	120	ug/Kg
218-01-9	Chrysene	890		53.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		61.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	950		74.6	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	950		55.0	120	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	RU2 Engineering, LLC	Date Collected:	01/28/25
Project:	NYCDDC SANTWOBR Brooklyn Bridge BBMCR	Date Received:	01/28/25
Client Sample ID:	WC-5MSD	SDG No.:	Q1207
Lab Sample ID:	Q1209-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141316.D	1	01/29/25 08:40	01/30/25 16:30	PB166335

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	850		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	980		63.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		52.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		55.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	960		54.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		58.8	120	ug/Kg
123-91-1	1,4-Dioxane	870		74.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		50.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.7		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	90.9		15 - 107	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.4		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	66.2		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	167000	6.798			
1146-65-2	Naphthalene-d8	670000	8.081			
15067-26-2	Acenaphthene-d10	356000	9.839			
1517-22-2	Phenanthrene-d10	589000	11.328			
1719-03-5	Chrysene-d12	326000	13.974			
1520-96-3	Perylene-d12	311000	15.457			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141316.D
Acq On : 30 Jan 2025 16:30
Operator : RC/JU
Sample : Q1209-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 30 17:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	167424	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	670473	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	356498	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	588680	20.000	ng	0.00
76) Chrysene-d12	13.974	240	325949	20.000	ng	0.00
86) Perylene-d12	15.457	264	310604	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	978684	89.741	ng	0.00
7) Phenol-d6	6.428	99	1261106	90.901	ng	-0.01
23) Nitrobenzene-d5	7.363	82	805336	63.320	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	318353	97.407	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1376060	59.412	ng	0.00
79) Terphenyl-d14	12.910	244	1399685	66.224	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	185454	38.666	ng	99
3) Pyridine	3.334	79	441993	38.248	ng	99
4) n-Nitrosodimethylamine	3.293	42	264384	40.049	ng	99
6) Aniline	6.463	93	399163	33.990	ng	97
8) 2-Chlorophenol	6.581	128	474908	40.629	ng	98
9) Benzaldehyde	6.351	77	422585	52.587	ng	100
10) Phenol	6.446	94	588247	39.999	ng	96
11) bis(2-Chloroethyl)ether	6.534	93	439945	39.016	ng	100
12) 1,3-Dichlorobenzene	6.740	146	483070	37.481	ng	99
13) 1,4-Dichlorobenzene	6.816	146	486545	37.578	ng	100
14) 1,2-Dichlorobenzene	6.969	146	473074	39.020	ng	99
15) Benzyl Alcohol	6.940	79	402506	42.454	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	804591	41.033	ng	99
17) 2-Methylphenol	7.051	107	379338	39.930	ng	99
18) Hexachloroethane	7.310	117	183911	38.504	ng	99
19) n-Nitroso-di-n-propyla...	7.210	70	321954	39.055	ng	99
20) 3+4-Methylphenols	7.204	107	441064	37.812	ng	93
22) Acetophenone	7.210	105	674891	42.347	ng	99
24) Nitrobenzene	7.381	77	491908	37.322	ng	99
25) Isophorone	7.622	82	889100	40.441	ng	99
26) 2-Nitrophenol	7.698	139	253345	40.757	ng	98
27) 2,4-Dimethylphenol	7.734	122	400965	50.679	ng	100
28) bis(2-Chloroethoxy)met...	7.834	93	549666	39.196	ng	99
29) 2,4-Dichlorophenol	7.940	162	382394	39.479	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	410595	37.119	ng	100
31) Naphthalene	8.104	128	1323328	37.362	ng	100
32) Benzoic acid	7.857	122	315679	43.403	ng	99
33) 4-Chloroaniline	8.151	127	170221	14.172	ng	98
34) Hexachlorobutadiene	8.222	225	238122	36.708	ng	99
35) Caprolactam	8.522	113	136065m	43.013	ng	
36) 4-Chloro-3-methylphenol	8.634	107	414671	39.912	ng	98
37) 2-Methylnaphthalene	8.792	142	841360	37.374	ng	98
38) 1-Methylnaphthalene	8.892	142	820539	37.106	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	424850	41.890	ng	99
41) Hexachlorocyclopentadiene	8.945	237	464638	155.127	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	281338	42.381	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141316.D
Acq On : 30 Jan 2025 16:30
Operator : RC/JU
Sample : Q1209-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 30 17:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	273099	37.799	ng	99
46) 1,1'-Biphenyl	9.257	154	1185688	42.647	ng	99
47) 2-Chloronaphthalene	9.281	162	810546	37.403	ng	100
48) 2-Nitroaniline	9.381	65	282428	41.434	ng	99
49) Acenaphthylene	9.698	152	1258782	41.496	ng	100
50) Dimethylphthalate	9.563	163	953297	39.592	ng	100
51) 2,6-Dinitrotoluene	9.622	165	211701	37.868	ng	100
52) Acenaphthene	9.869	154	935411	43.164	ng	99
53) 3-Nitroaniline	9.787	138	99686	18.193	ng	99
54) 2,4-Dinitrophenol	9.898	184	253324	97.477	ng	95
55) Dibenzofuran	10.045	168	1111457	38.315	ng	99
56) 4-Nitrophenol	9.957	139	367987	91.830	ng	98
57) 2,4-Dinitrotoluene	10.028	165	284780	39.344	ng	95
58) Fluorene	10.386	166	852028	37.866	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	239211	42.085	ng	99
60) Diethylphthalate	10.263	149	905511	38.786	ng	100
61) 4-Chlorophenyl-phenyle...	10.381	204	412318	37.514	ng	99
62) 4-Nitroaniline	10.410	138	217106	40.302	ng	100
63) Azobenzene	10.539	77	1052294	45.030	ng	97
65) 4,6-Dinitro-2-methylph...	10.439	198	163963	47.088	ng	96
66) n-Nitrosodiphenylamine	10.498	169	773802	40.641	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	266484	40.435	ng	98
68) Hexachlorobenzene	10.933	284	273333	39.099	ng	99
69) Atrazine	11.028	200	281264	44.182	ng	99
70) Pentachlorophenol	11.133	266	346307	84.595	ng	99
71) Phenanthrene	11.351	178	1271787	40.190	ng	100
72) Anthracene	11.404	178	1295098	41.770	ng	100
73) Carbazole	11.557	167	1127089	40.995	ng	99
74) Di-n-butylphthalate	11.892	149	1376232	41.305	ng	100
75) Fluoranthene	12.539	202	1253101	40.106	ng	100
77) Benzidine	12.663	184	585138	55.997	ng	99
78) Pyrene	12.769	202	1240831	39.658	ng	100
80) Butylbenzylphthalate	13.392	149	506233	46.313	ng	99
81) Benzo(a)anthracene	13.963	228	881976	39.212	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	221186	30.919	ng	100
83) Chrysene	14.004	228	808152	39.205	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	617033	44.500	ng	100
85) Di-n-octyl phthalate	14.598	149	909822	42.245	ng	99
87) Indeno(1,2,3-cd)pyrene	16.910	276	899453	44.867	ng	99
88) Benzo(b)fluoranthene	15.033	252	823489	42.148	ng	99
89) Benzo(k)fluoranthene	15.063	252	652540	37.701	ng	100
90) Benzo(a)pyrene	15.398	252	713438	43.212	ng	99
91) Dibenzo(a,h)anthracene	16.933	278	731126	45.331	ng	99
92) Benzo(g,h,i)perylene	17.351	276	714115	42.582	ng	99

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

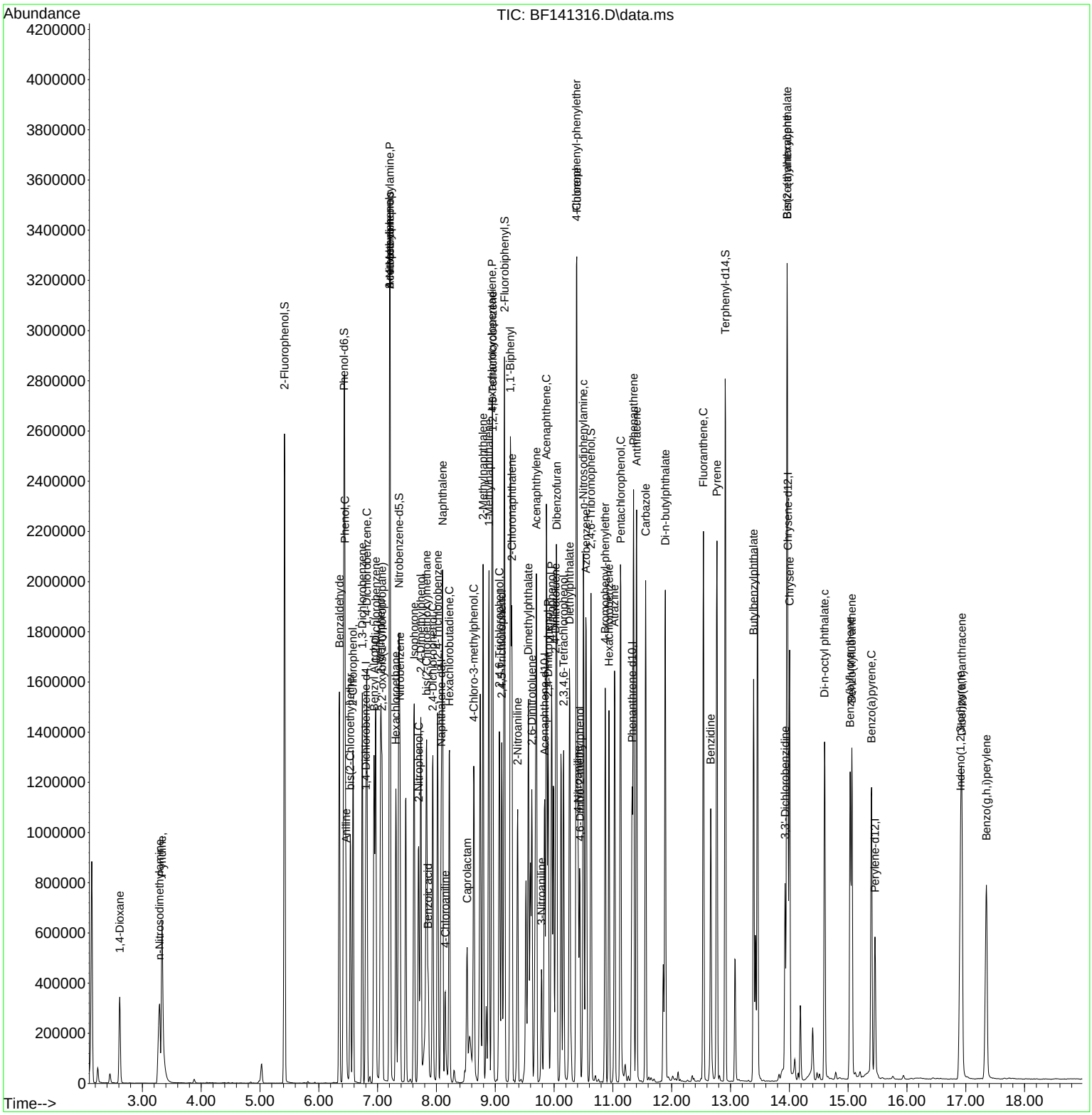
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141316.D
Acq On : 30 Jan 2025 16:30
Operator : RC/JU
Sample : Q1209-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

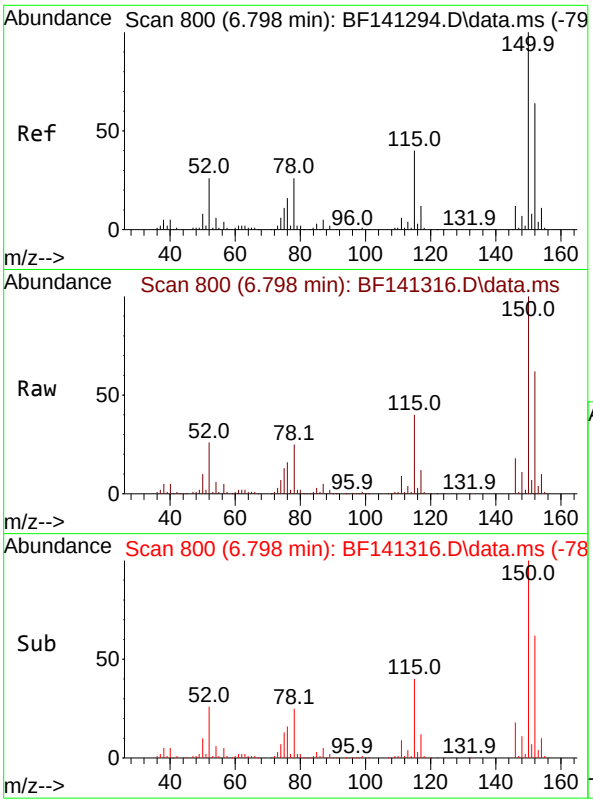
Quant Time: Jan 30 17:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

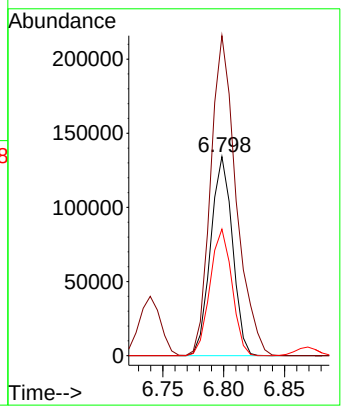




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:152 Resp: 16742

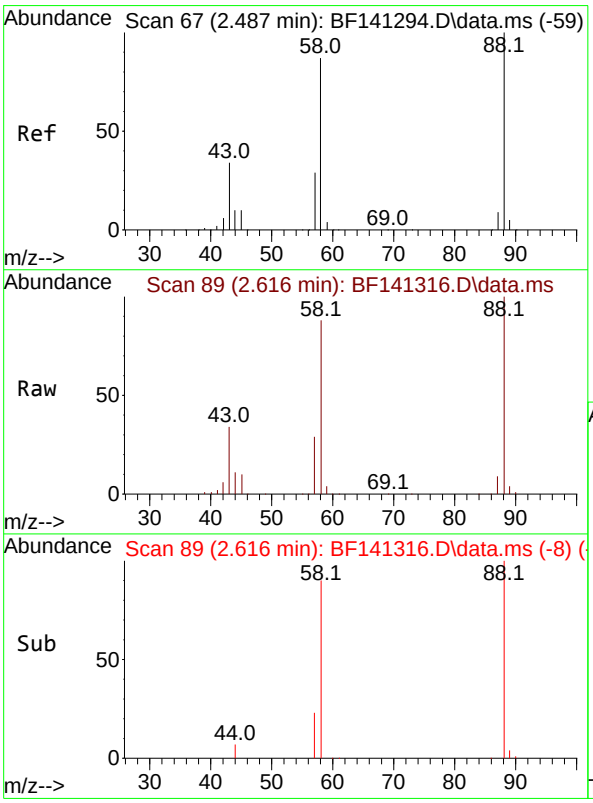
Ion	Ratio	Lower	Upper
152	100		
150	160.8	125.9	188.9
115	63.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
APPROVED

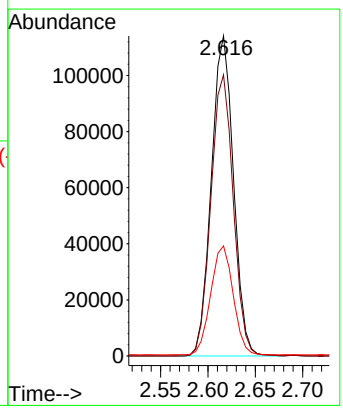
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

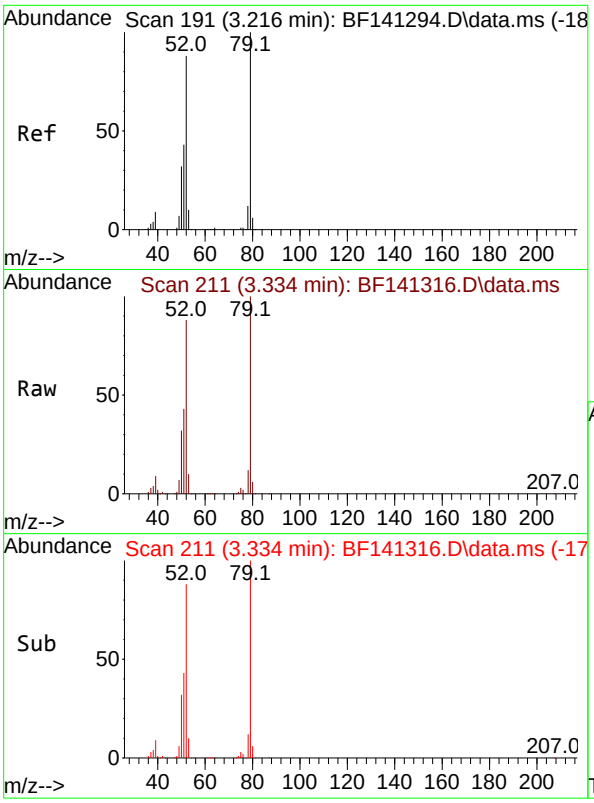


#2
1,4-Dioxane
Concen: 38.666 ng
RT: 2.616 min Scan# 89
Delta R.T. 0.124 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 88 Resp: 185454

Ion	Ratio	Lower	Upper
88	100		
58	88.8	70.2	105.4
43	34.5	27.6	41.4

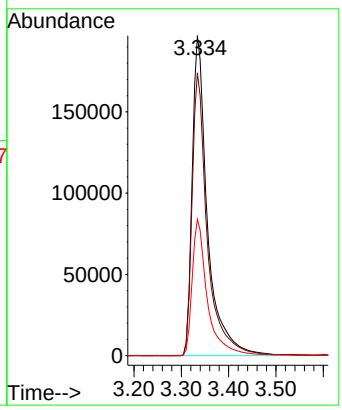




#3
Pyridine
Concen: 38.248 ng
RT: 3.334 min Scan# 2
Delta R.T. 0.106 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 79 Resp: 44199

Ion	Ratio	Lower	Upper
79	100		
52	88.4	70.3	105.5
51	42.7	34.3	51.5



Instrument :
BNA_F
ClientSampleId :
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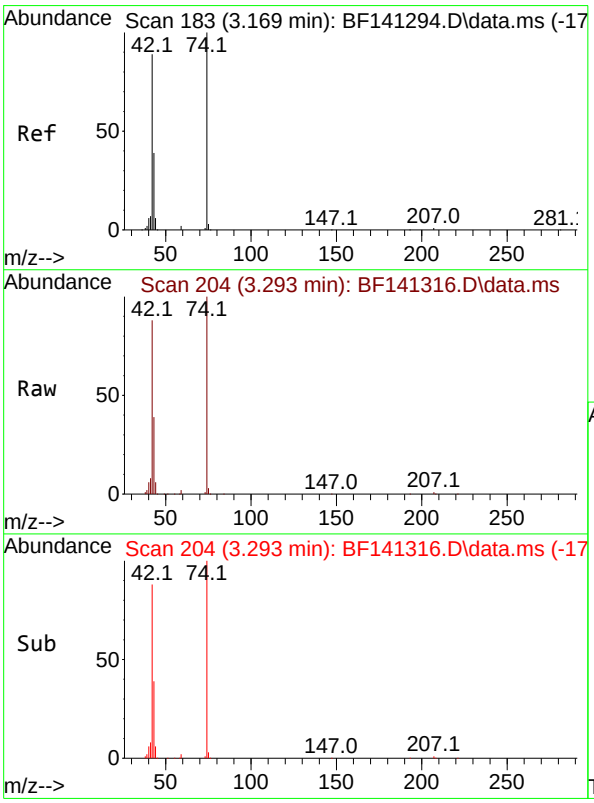
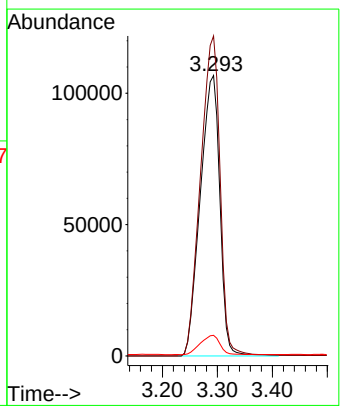
Supervised By :mohammad ahmed 01/31/2025

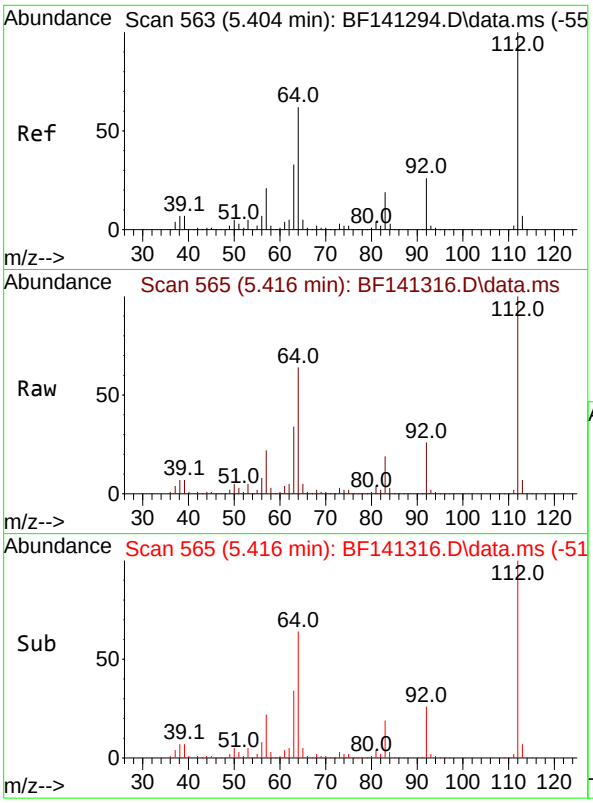


#4
n-Nitrosodimethylamine
Concen: 40.049 ng
RT: 3.293 min Scan# 204
Delta R.T. 0.094 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 42 Resp: 264384

Ion	Ratio	Lower	Upper
42	100		
74	114.1	90.3	135.5
44	7.4	5.7	8.5

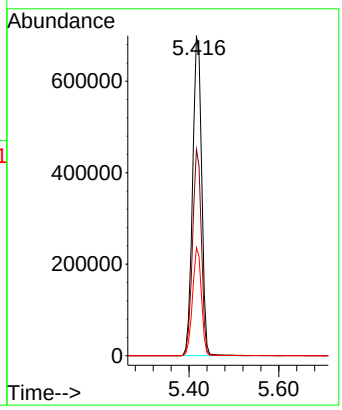




#5
2-Fluorophenol
Concen: 89.741 ng
RT: 5.416 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:112 Resp: 97868

Ion	Ratio	Lower	Upper
112	100		
64	64.4	49.8	74.8
63	33.8	26.1	39.1



Instrument :
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ClientSampleId :
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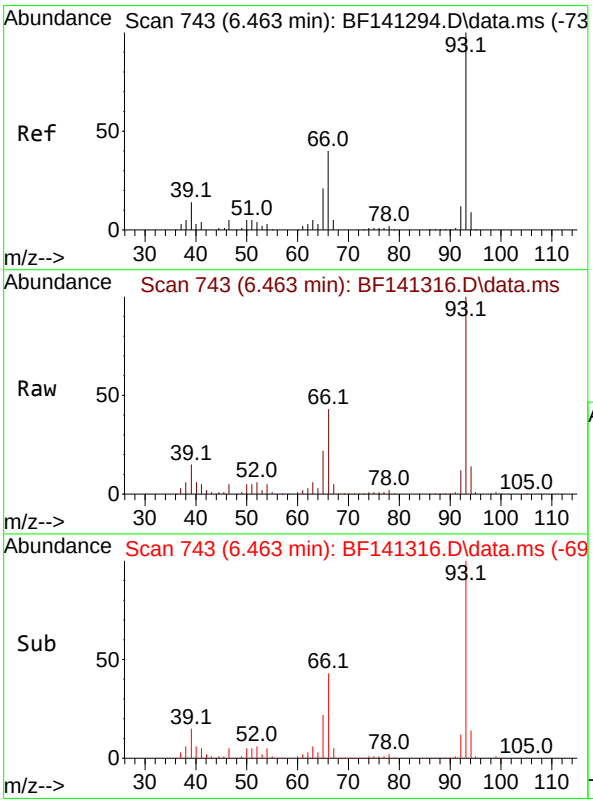
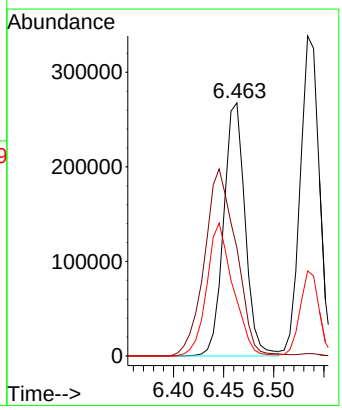
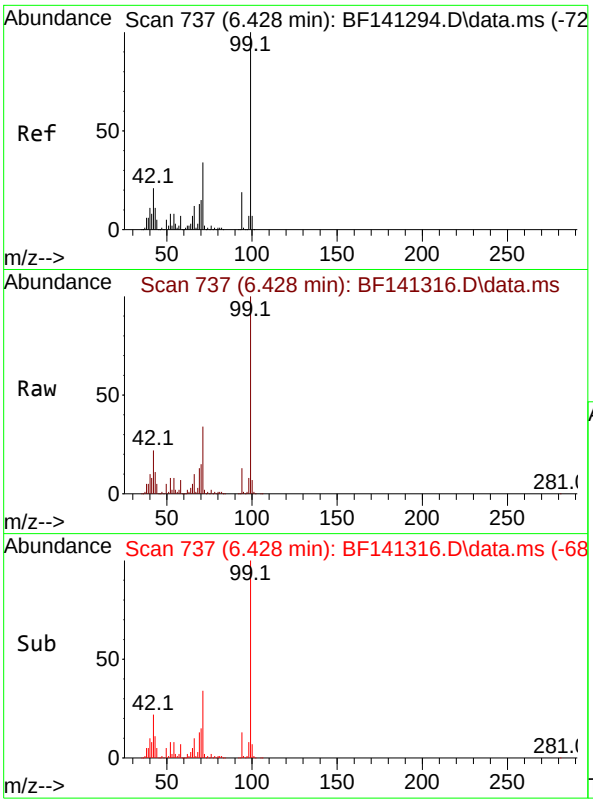


#6
Aniline
Concen: 33.990 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 93 Resp: 399163

Ion	Ratio	Lower	Upper
93	100		
66	42.7	32.5	48.7
65	22.1	17.0	25.6

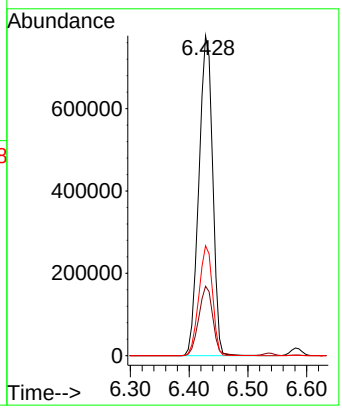




#7
Phenol-d6
Concen: 90.901 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 99 Resp: 126110

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.1	25.7
71	34.3	26.9	40.3



Instrument :
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ClientSampleId :
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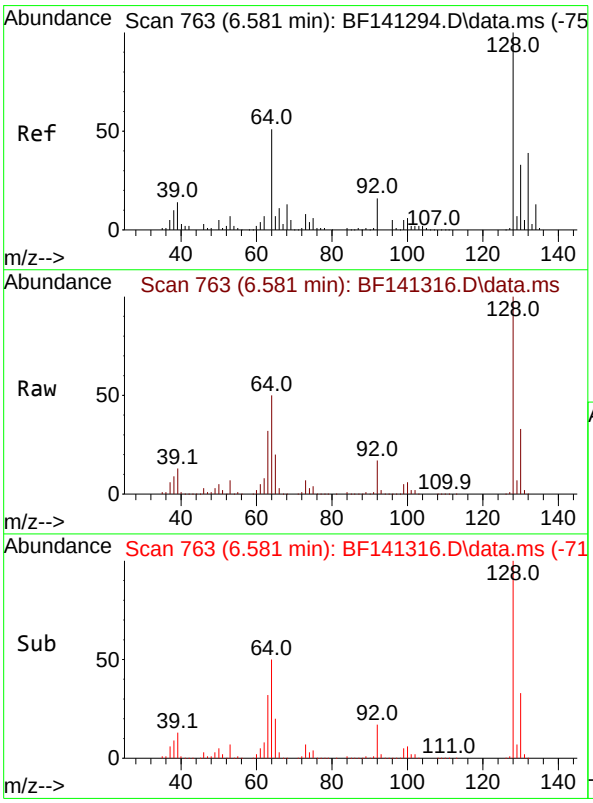
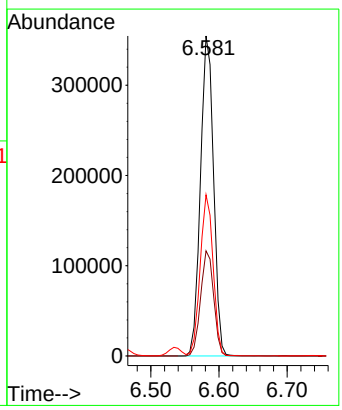
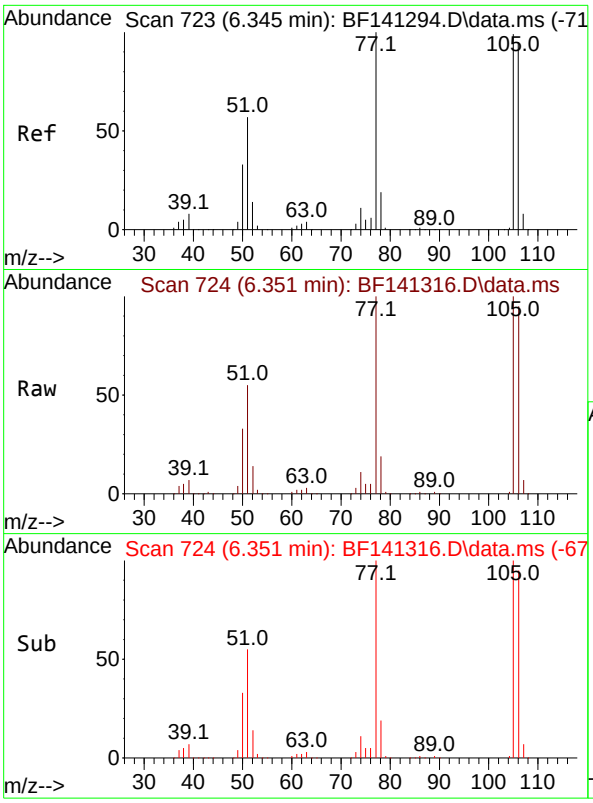


#8
2-Chlorophenol
Concen: 40.629 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:128 Resp: 474908

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	50.4	32.9	72.9

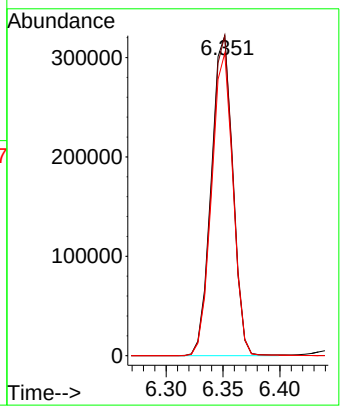




#9
Benzaldehyde
Concen: 52.587 ng
RT: 6.351 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 77 Resp: 42258

Ion	Ratio	Lower	Upper
77	100		
105	100.0	79.4	119.4
106	94.6	74.6	114.6



Instrument :
BNA_F
ClientSampleId :
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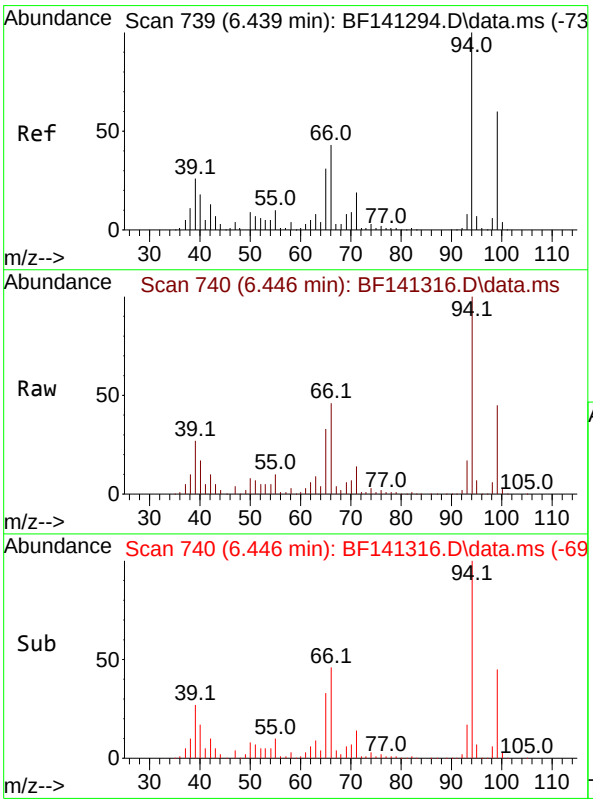
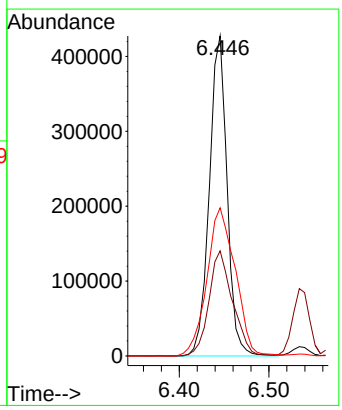
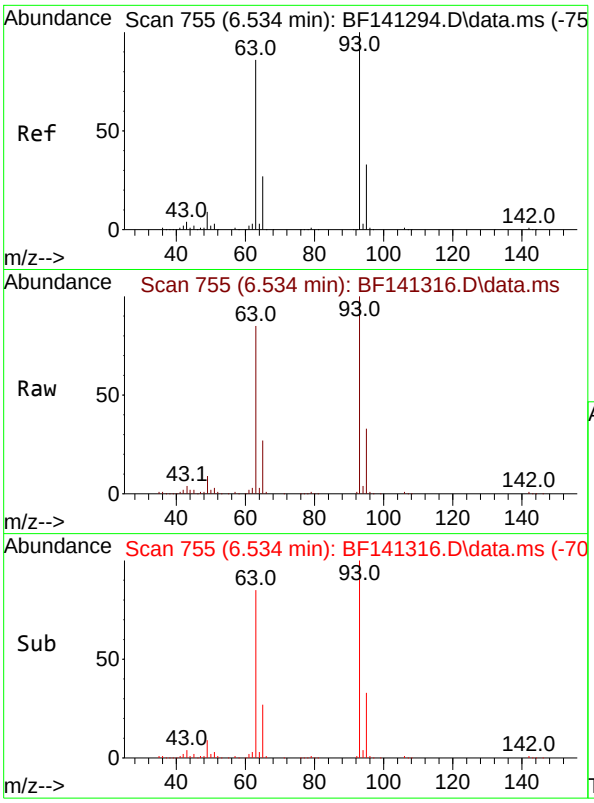


#10
Phenol
Concen: 39.999 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 94 Resp: 588247

Ion	Ratio	Lower	Upper
94	100		
65	32.9	10.8	50.8
66	46.3	23.3	63.3

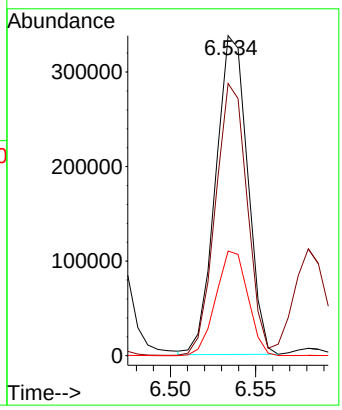




#11
bis(2-Chloroethyl)ether
Concen: 39.016 ng
RT: 6.534 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 93 Resp: 43994

Ion	Ratio	Lower	Upper
93	100		
63	85.1	65.0	105.0
95	32.7	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
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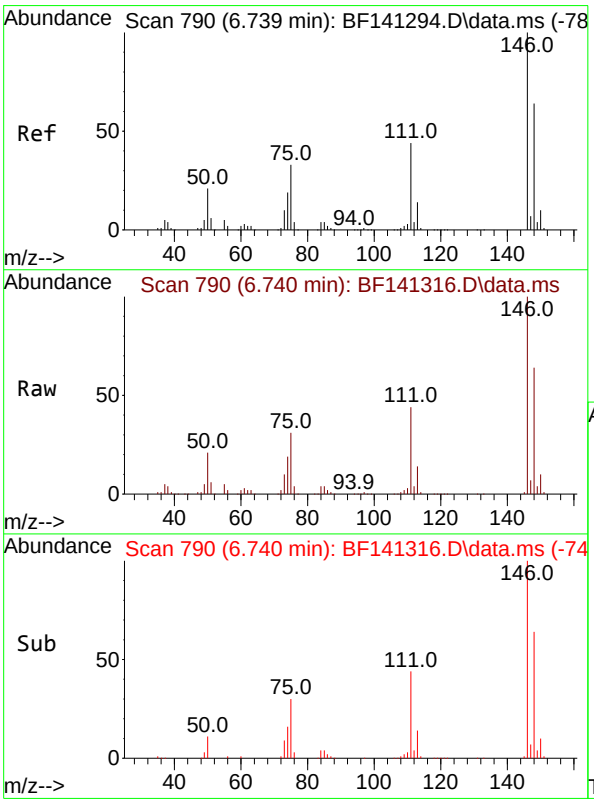
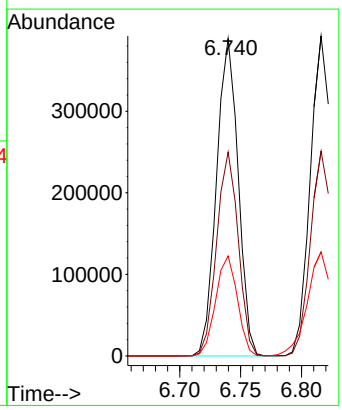
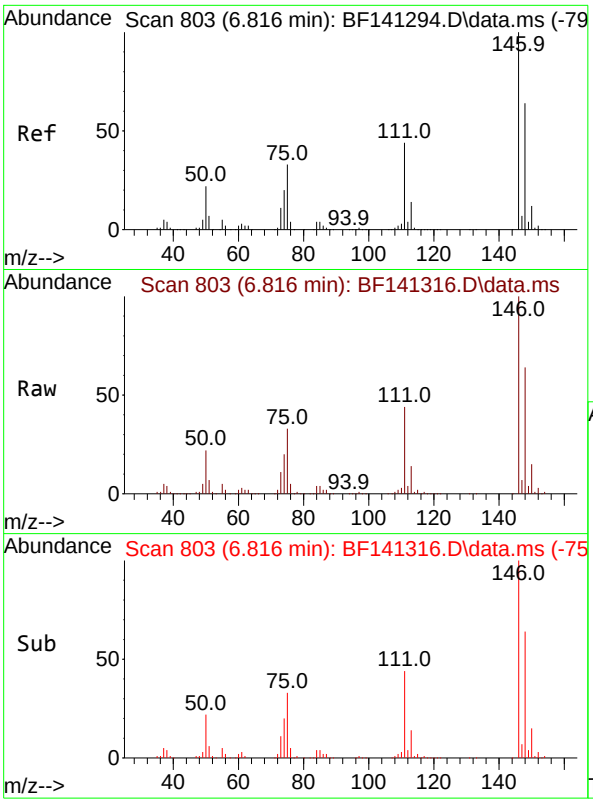


#12
1,3-Dichlorobenzene
Concen: 37.481 ng
RT: 6.740 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:146 Resp: 483070

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
75	31.5	26.2	39.4





#13
1,4-Dichlorobenzene
Concen: 37.578 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:146 Resp: 48654

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	43.6	35.0	52.4

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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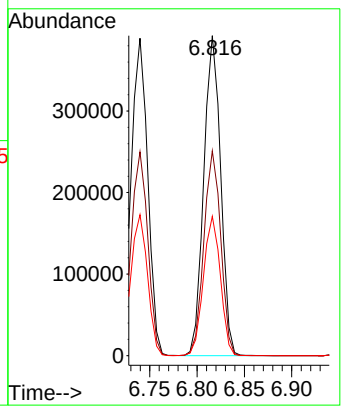
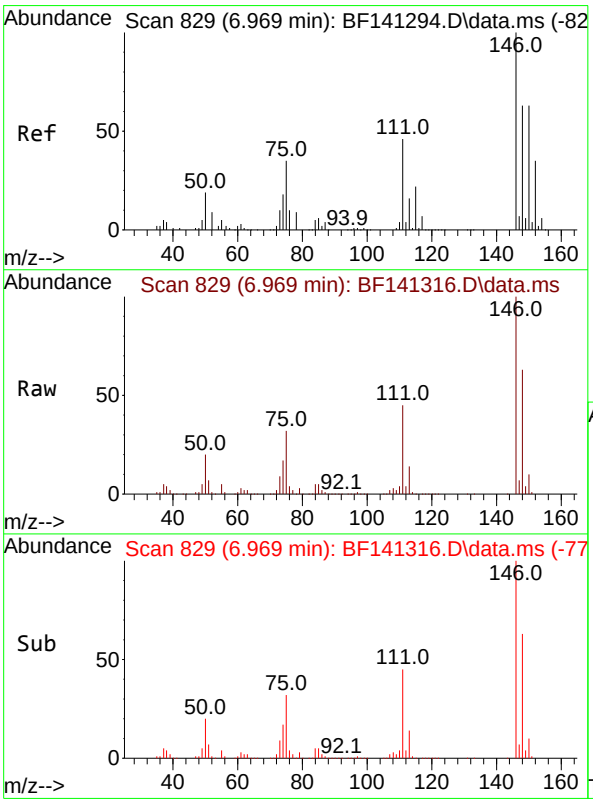
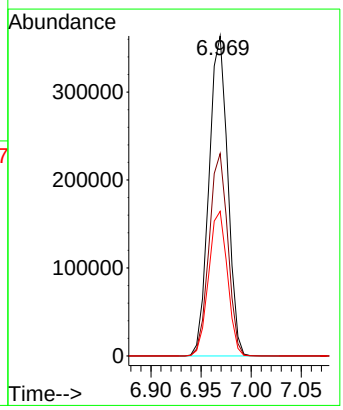


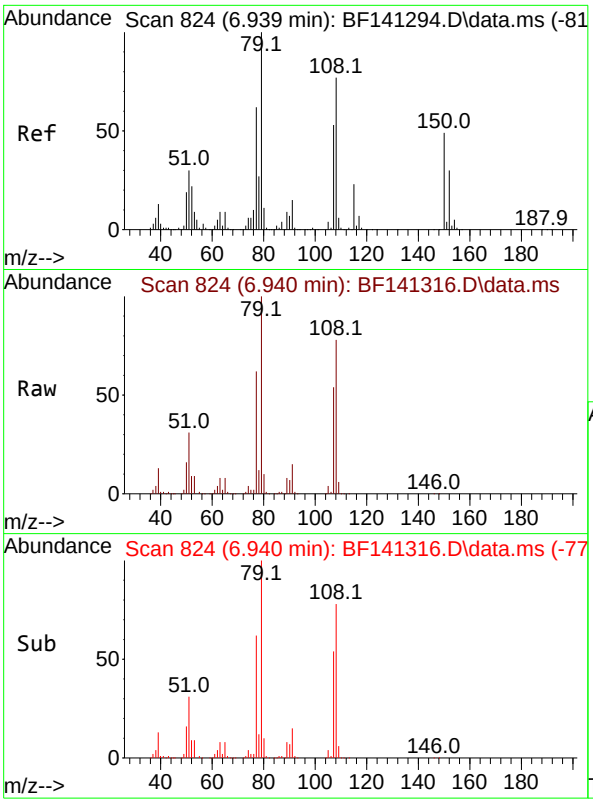


#14
1,2-Dichlorobenzene
Concen: 39.020 ng
RT: 6.969 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:146 Resp: 473074

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.5	75.7
111	45.2	36.6	55.0





#15
Benzyl Alcohol
Concen: 42.454 ng
RT: 6.940 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 79 Resp: 40250

Ion	Ratio	Lower	Upper
79	100		
108	78.4	61.4	92.0
77	61.5	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
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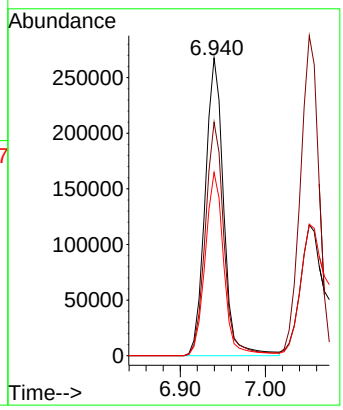
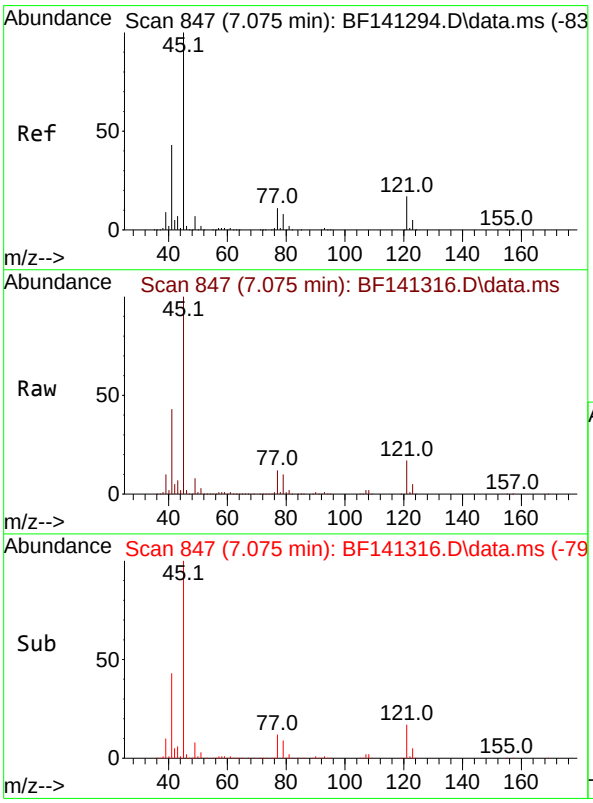
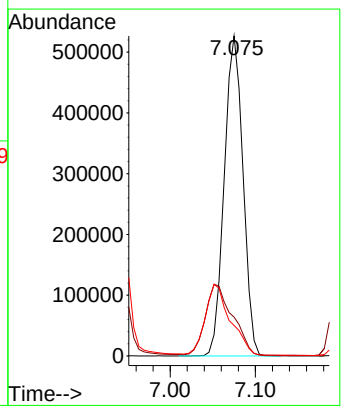


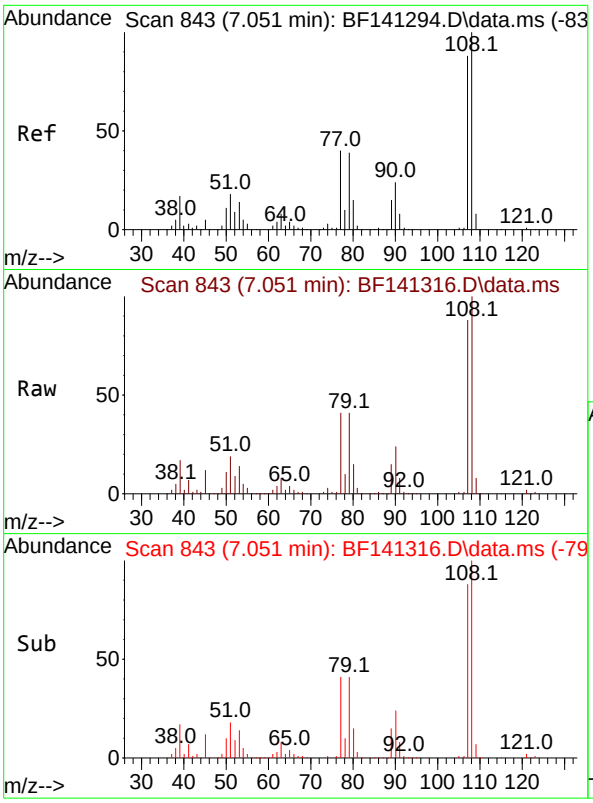


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.033 ng
RT: 7.075 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 45 Resp: 804591

Ion	Ratio	Lower	Upper
45	100		
77	12.1	0.0	31.8
79	9.6	0.0	29.1

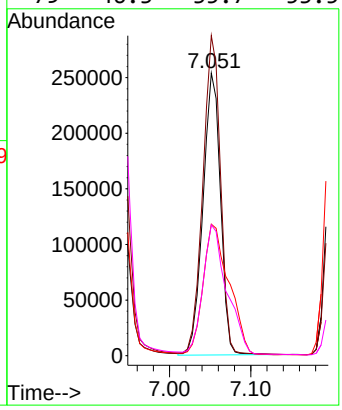




#17
2-Methylphenol
Concen: 39.930 ng
RT: 7.051 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:107 Resp: 37933

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.8	136.2
77	46.6	36.2	54.4
79	46.3	35.7	53.5



Instrument :
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ClientSampleId :
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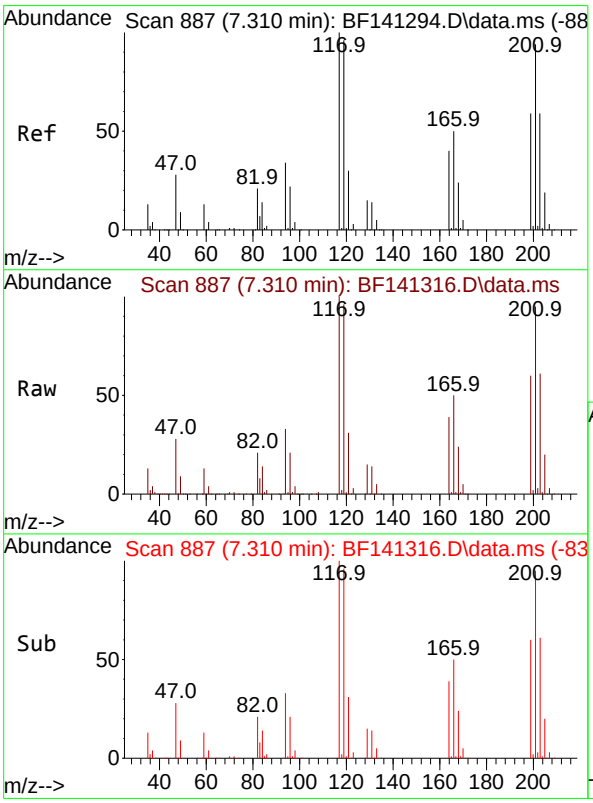
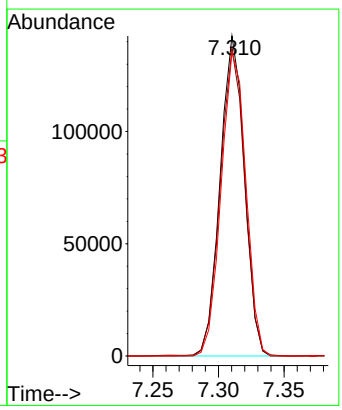
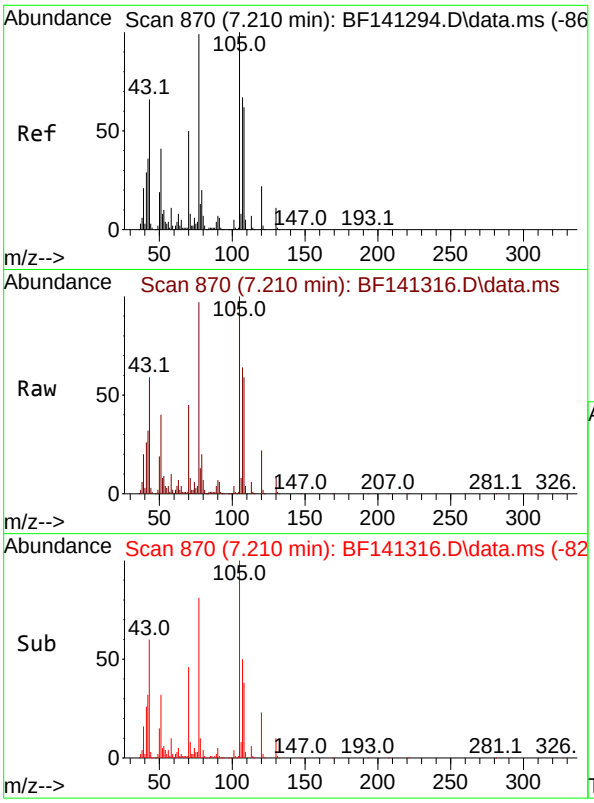


#18
Hexachloroethane
Concen: 38.504 ng
RT: 7.310 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:117 Resp: 183911

Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.6	114.8
201	95.1	74.8	112.2

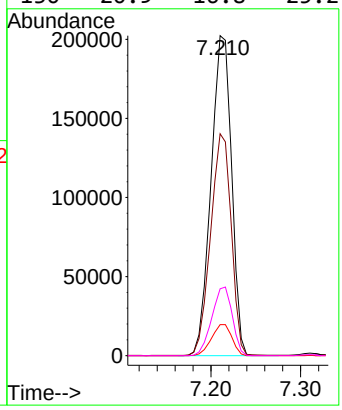




#19
n-Nitroso-di-n-propylamine
Concen: 39.055 ng
RT: 7.210 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 70 Resp: 32195

Ion	Ratio	Lower	Upper
70	100		
42	69.4	56.8	85.2
101	9.7	7.7	11.5
130	20.9	16.8	25.2



Instrument :
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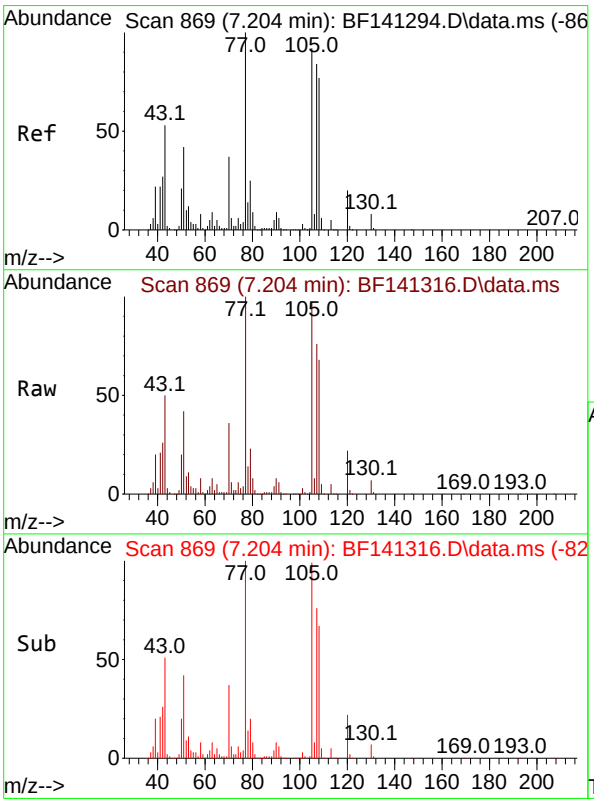
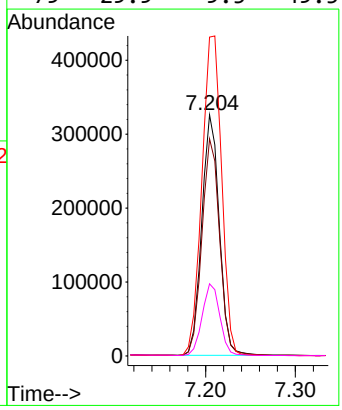
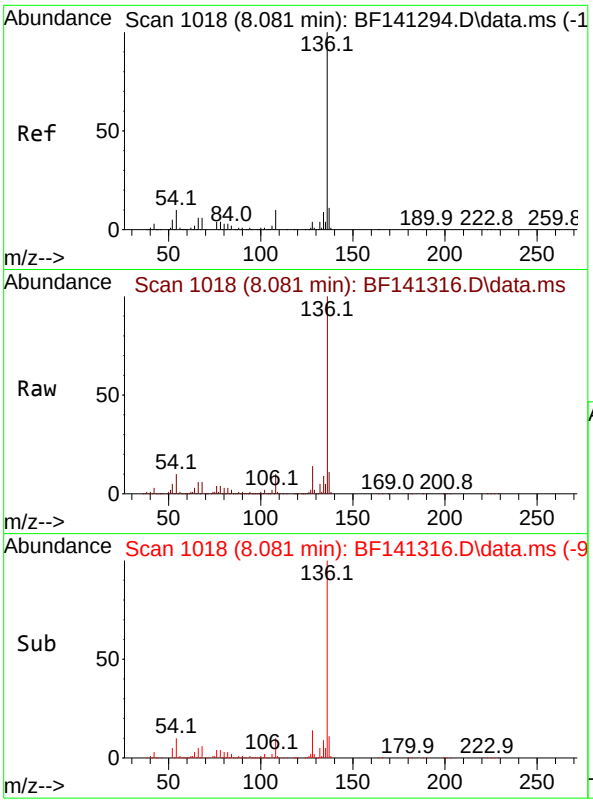


#20
3+4-Methylphenols
Concen: 37.812 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:107 Resp: 441064

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.9	110.9
77	132.2	98.5	138.5
79	29.9	9.5	49.5

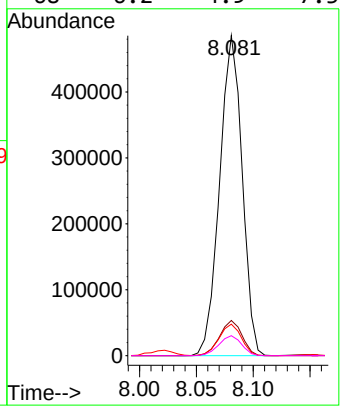




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:136 Resp: 67047

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.9	7.8	11.8
68	6.2	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
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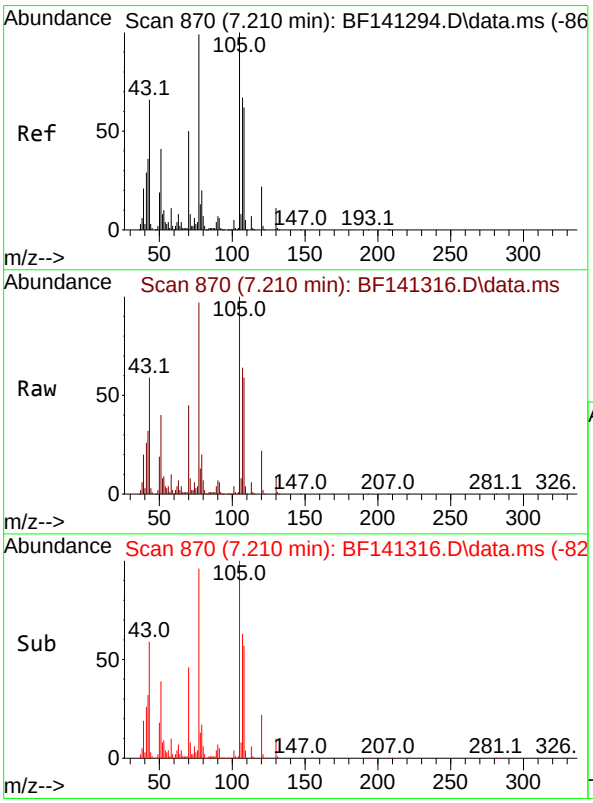
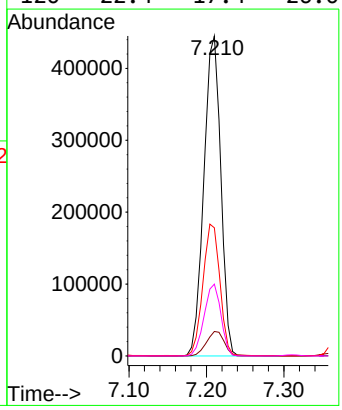
Supervised By :mohammad ahmed 01/31/2025

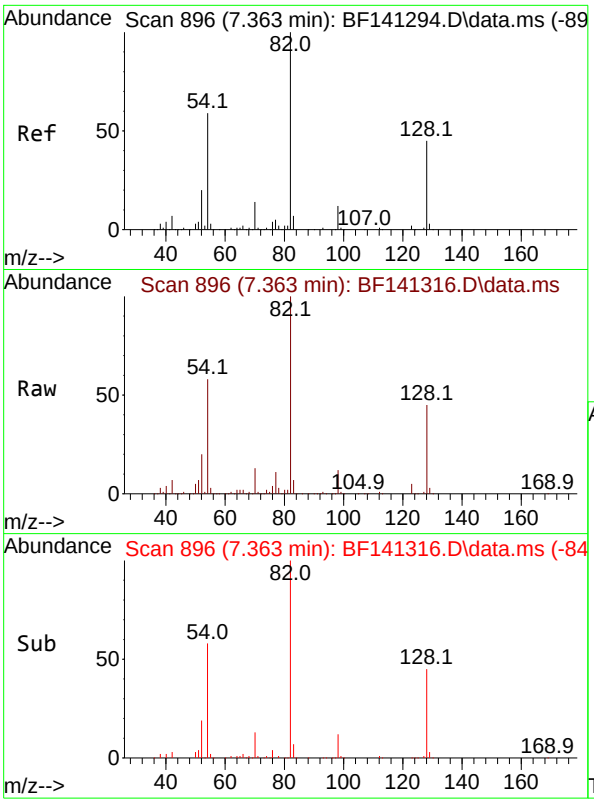


#22
Acetophenone
Concen: 42.347 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:105 Resp: 674891

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.8	10.2
51	40.0	32.6	49.0
120	22.4	17.4	26.0

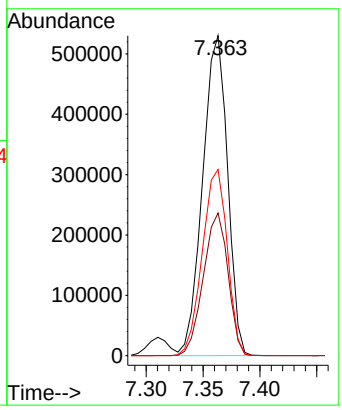




#23
Nitrobenzene-d5
Concen: 63.320 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 82 Resp: 80533

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.2	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
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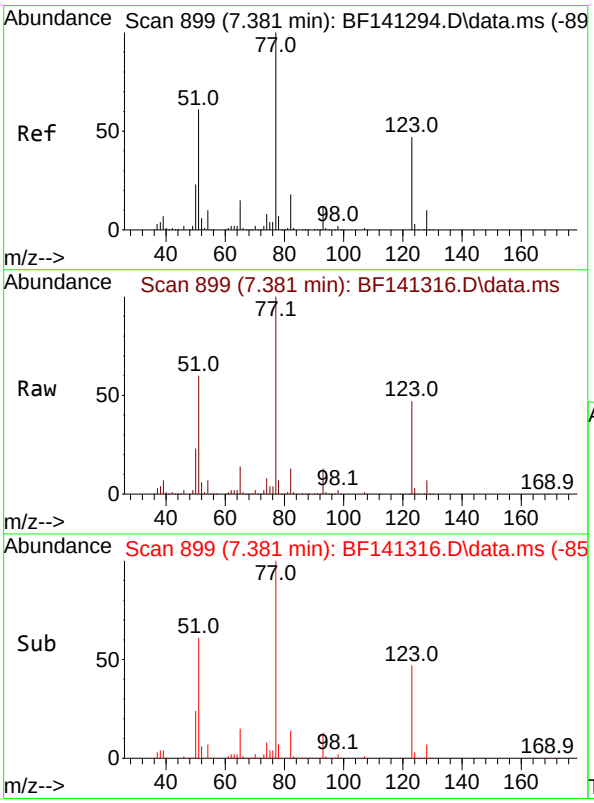
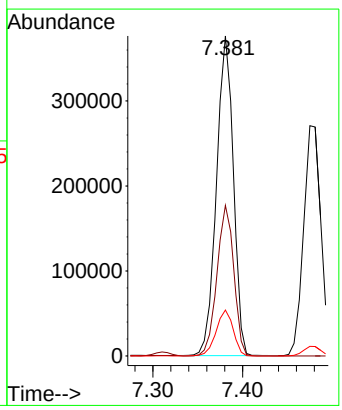
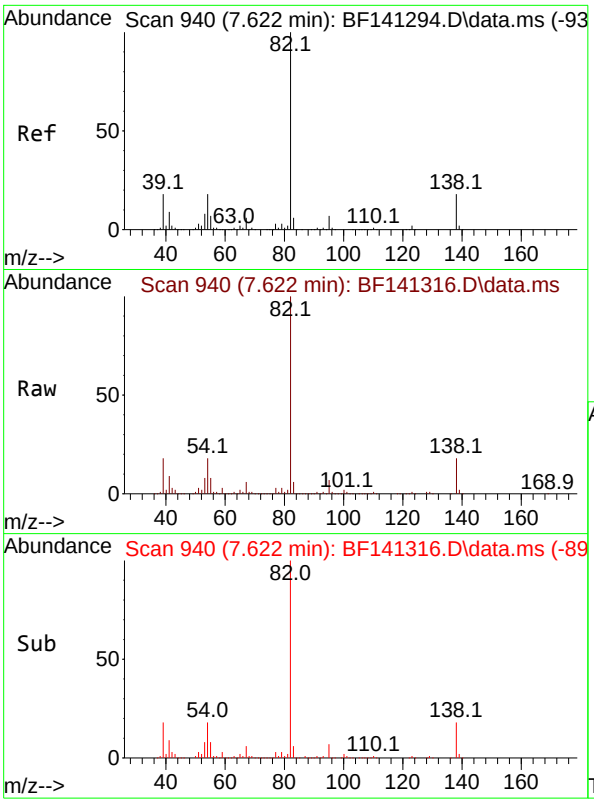


#24
Nitrobenzene
Concen: 37.322 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 77 Resp: 491908

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.3	55.9
65	14.4	11.8	17.6

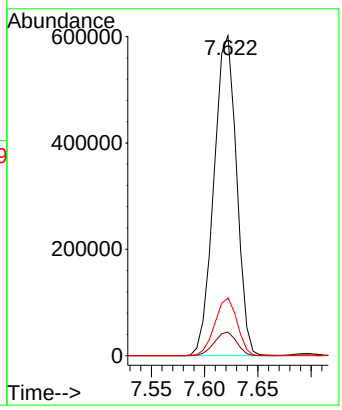




#25
Isophorone
Concen: 40.441 ng
RT: 7.622 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 82 Resp: 88910

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.6
138	18.0	14.7	22.1



Instrument :
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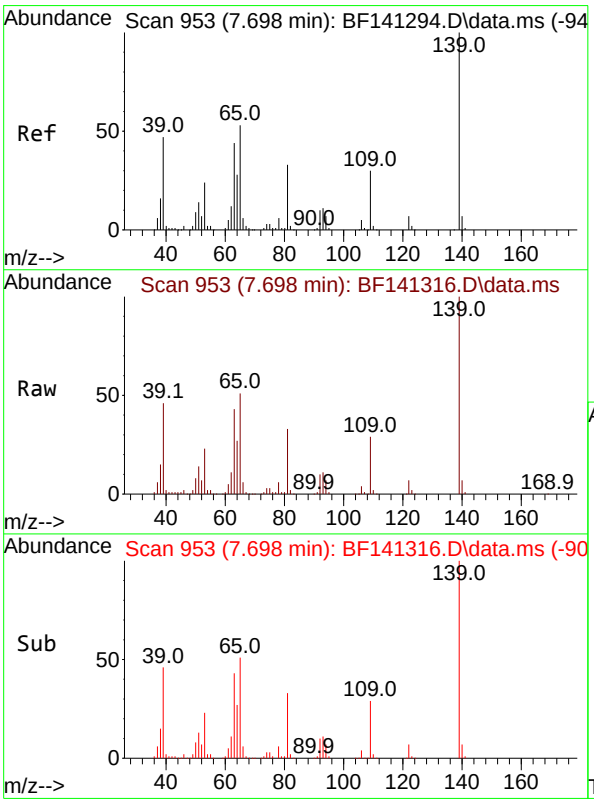
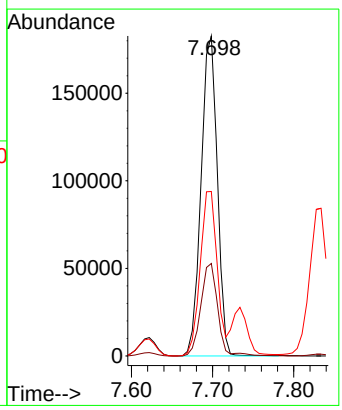
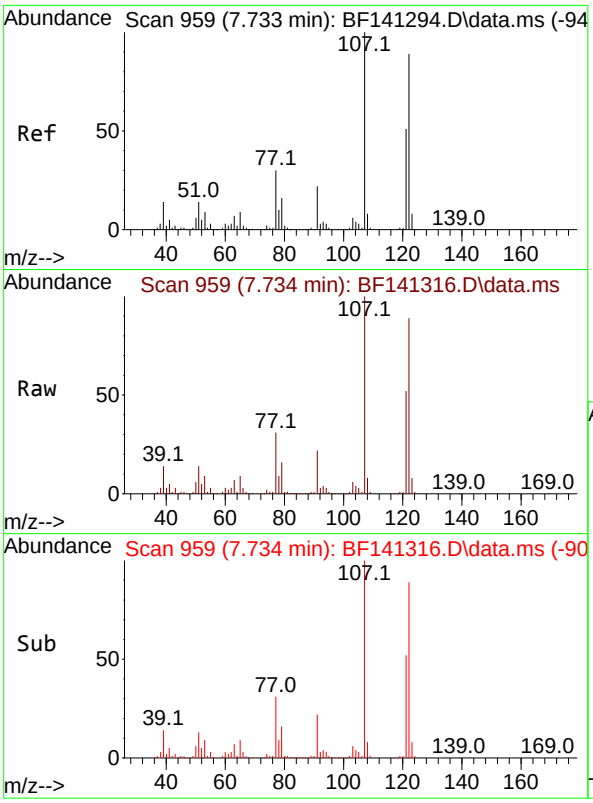


#26
2-Nitrophenol
Concen: 40.757 ng
RT: 7.698 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:139 Resp: 253345

Ion	Ratio	Lower	Upper
139	100		
109	28.9	23.8	35.6
65	51.4	42.2	63.4

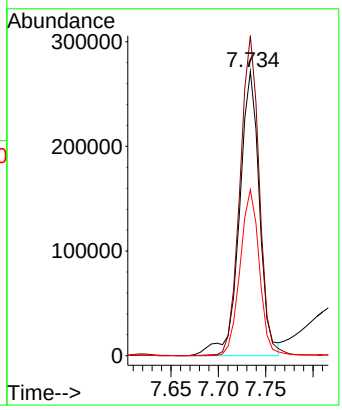




#27
2,4-Dimethylphenol
Concen: 50.679 ng
RT: 7.734 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:122 Resp: 40096

Ion	Ratio	Lower	Upper
122	100		
107	112.6	89.9	134.9
121	58.4	46.1	69.1



Instrument :
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ClientSampleId :
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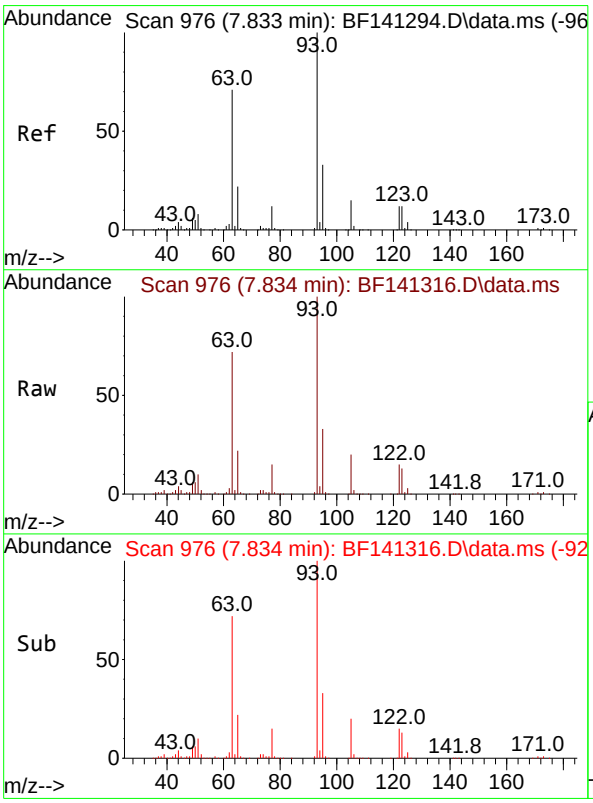
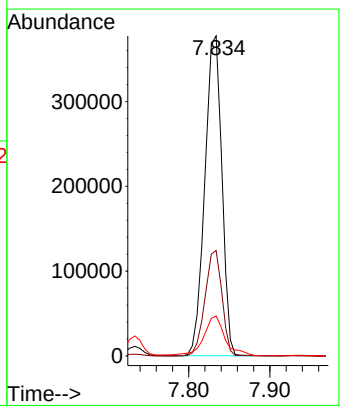
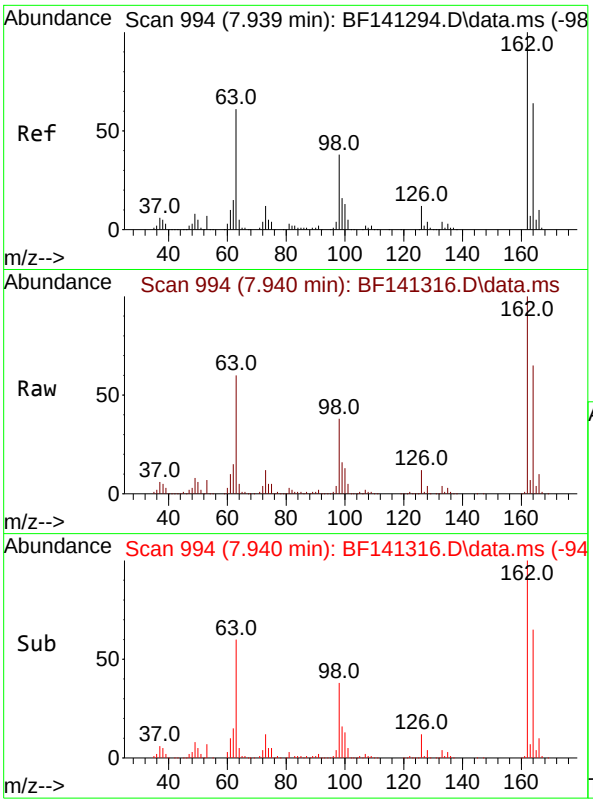


#28
bis(2-Chloroethoxy)methane
Concen: 39.196 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 93 Resp: 549666

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.2
123	12.5	10.2	15.4

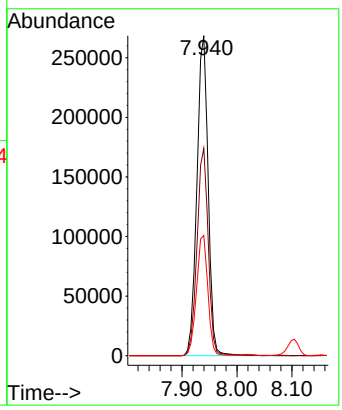




#29
2,4-Dichlorophenol
Concen: 39.479 ng
RT: 7.940 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:162 Resp: 38239

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	37.5	18.2	58.2



Instrument :
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ClientSampleId :
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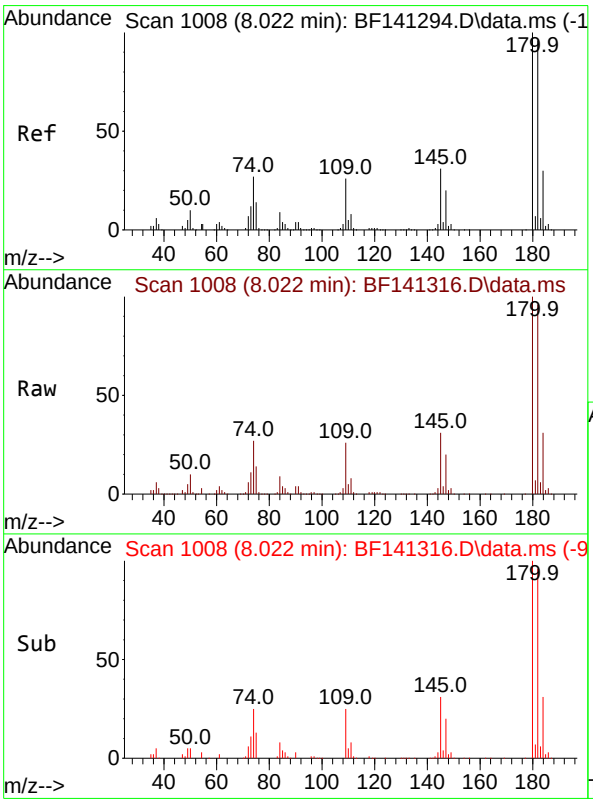
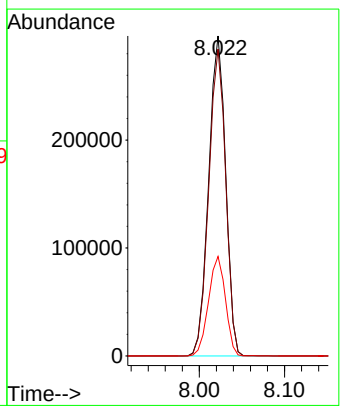
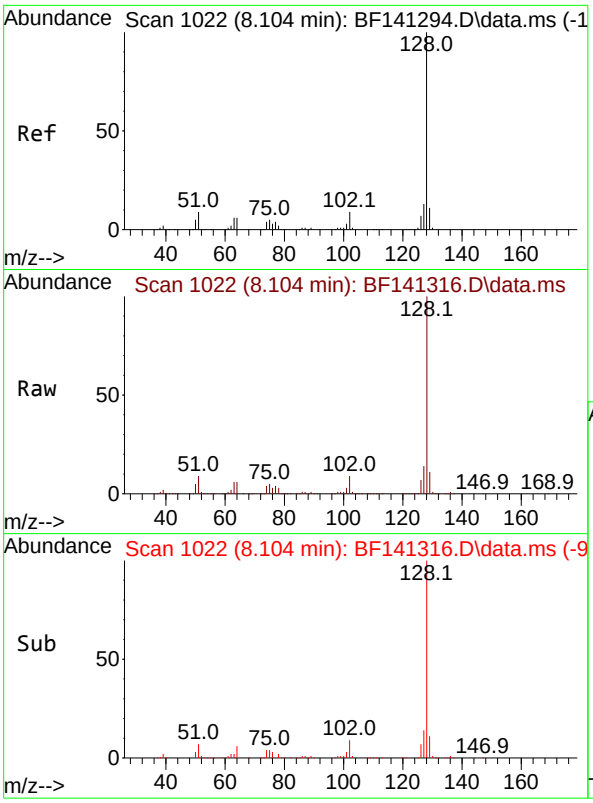


#30
1,2,4-Trichlorobenzene
Concen: 37.119 ng
RT: 8.022 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:180 Resp: 410595

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	31.1	24.9	37.3

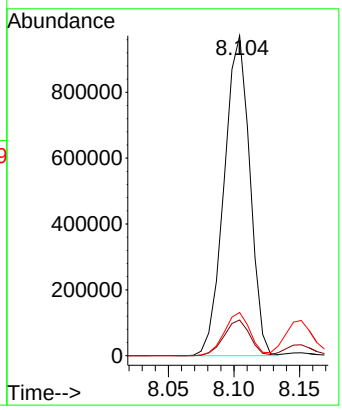




#31
Naphthalene
Concen: 37.362 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:128 Resp: 132332

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.5	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
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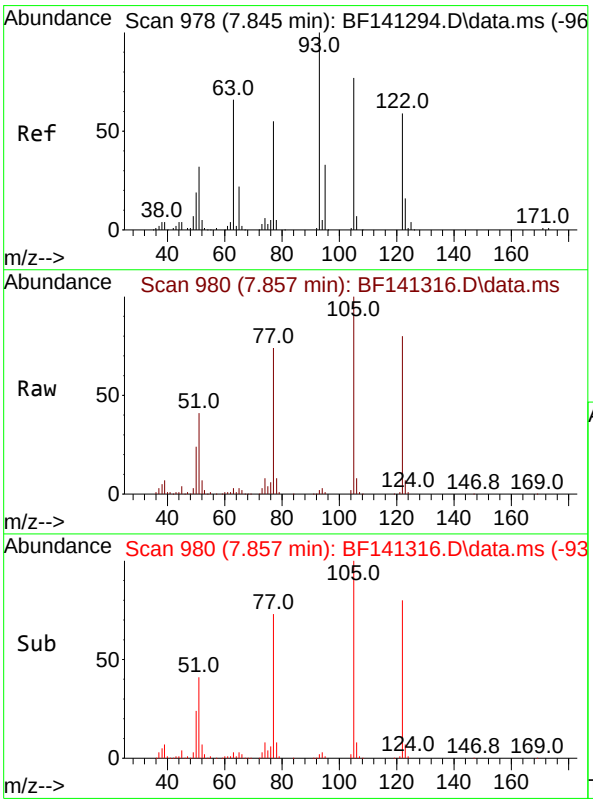
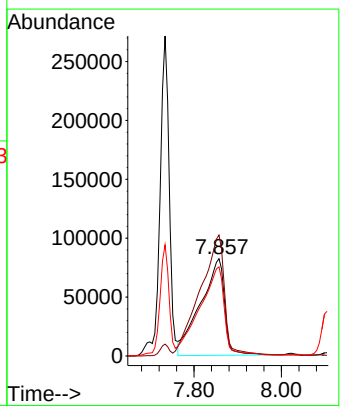
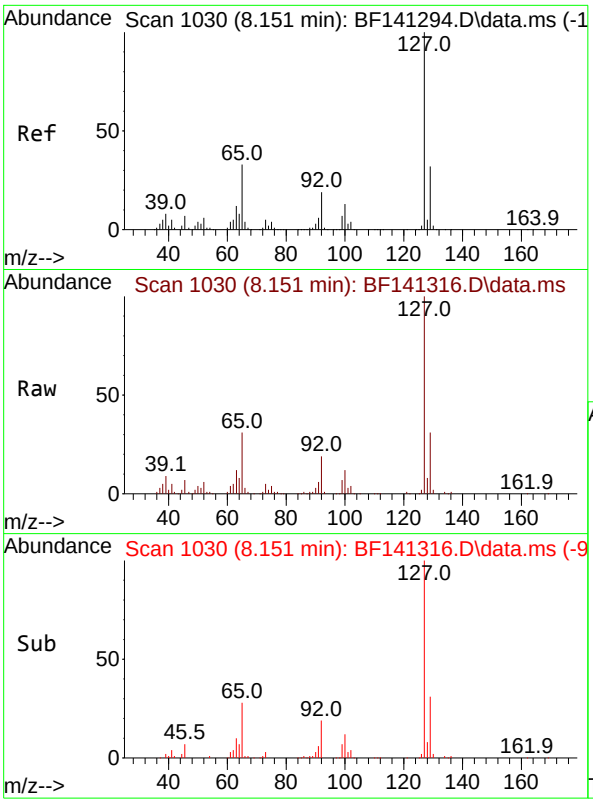


#32
Benzoic acid
Concen: 43.403 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:122 Resp: 315679

Ion	Ratio	Lower	Upper
122	100		
105	124.2	103.4	143.4
77	91.6	70.9	110.9

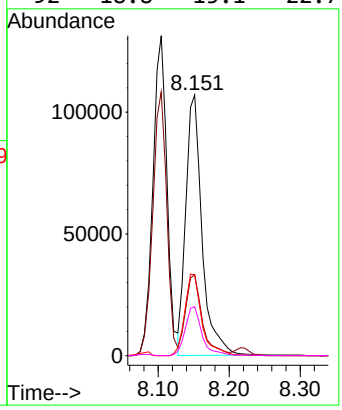




#33
4-Chloroaniline
Concen: 14.172 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:127 Resp: 17022

Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.7	38.5
65	31.0	26.4	39.6
92	18.8	15.1	22.7



Instrument :
BNA_F
ClientSampleId :
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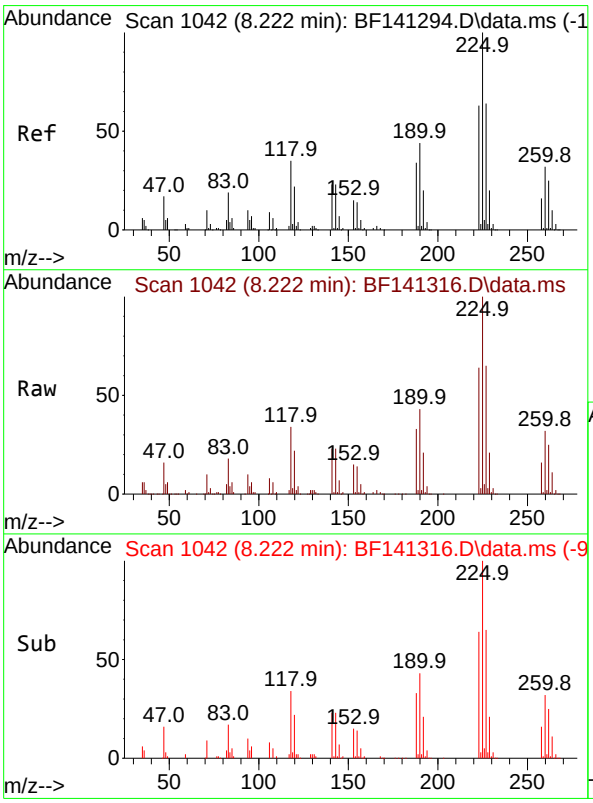
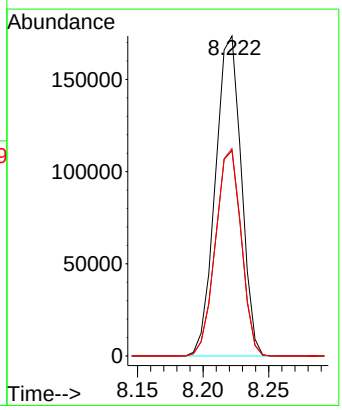
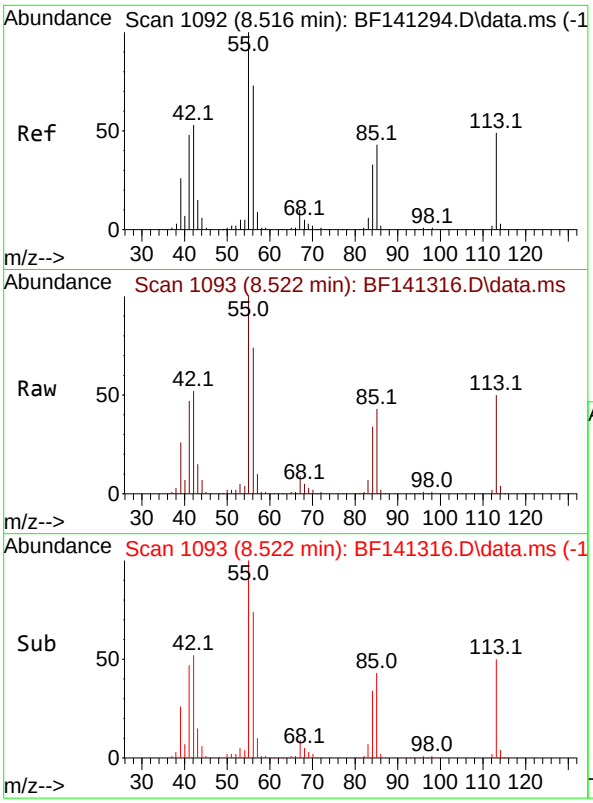


#34
Hexachlorobutadiene
Concen: 36.708 ng
RT: 8.222 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:225 Resp: 238122

Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.4	75.6
227	64.8	51.3	76.9

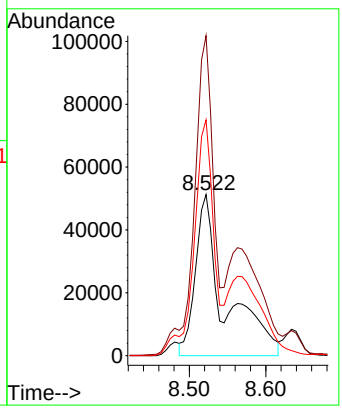




#35
Caprolactam
Concen: 43.013 ng m
RT: 8.522 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:113 Resp: 13606

Ion	Ratio	Lower	Upper
113	100		
55	198.6	182.9	222.9
56	146.4	127.9	167.9



Instrument :
BNA_F
ClientSampleId :
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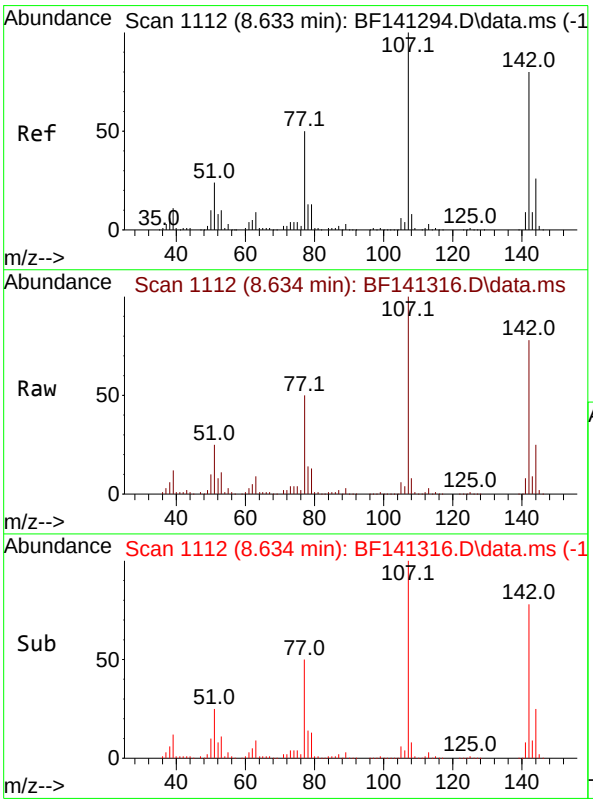
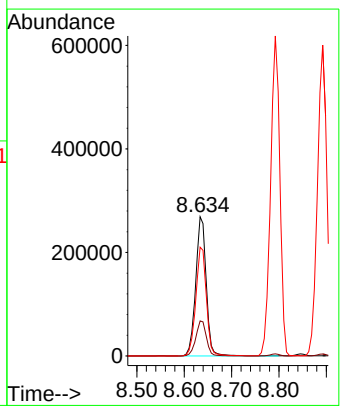
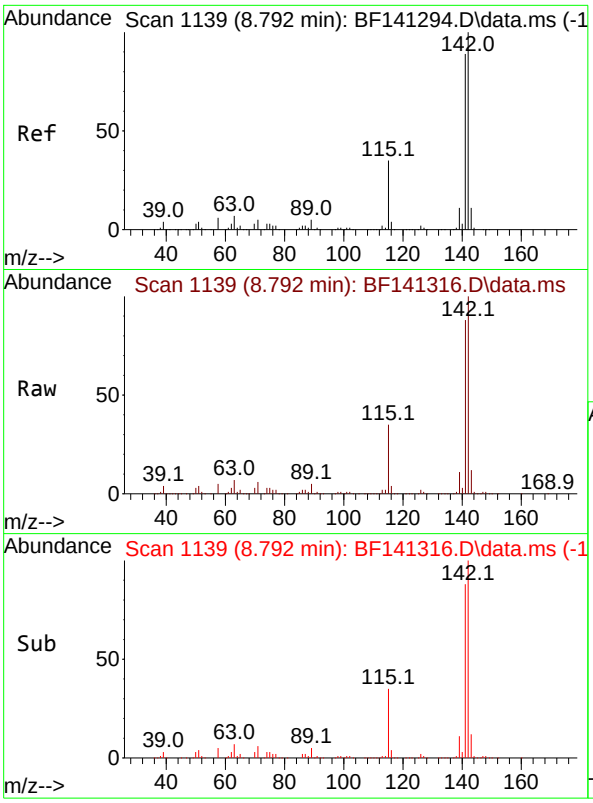


#36
4-Chloro-3-methylphenol
Concen: 39.912 ng
RT: 8.634 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:107 Resp: 414671

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.7	31.1
142	78.1	63.8	95.8

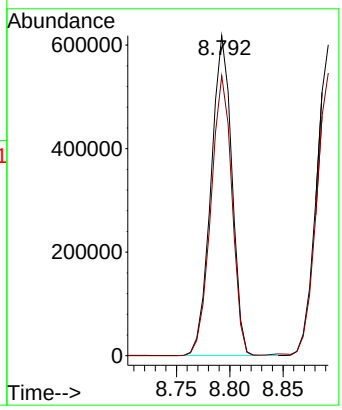




#37
2-Methylnaphthalene
Concen: 37.374 ng
RT: 8.792 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:142 Resp: 84136

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
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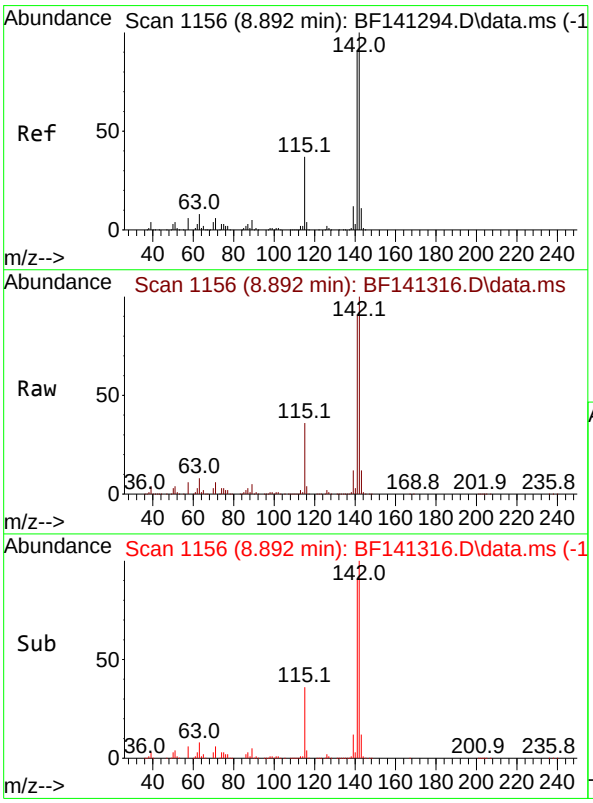
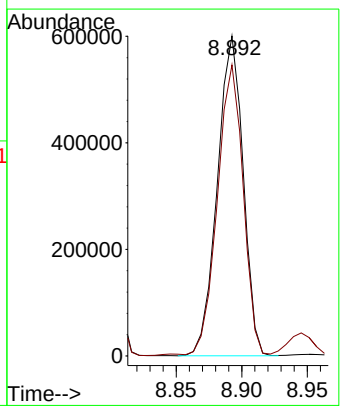
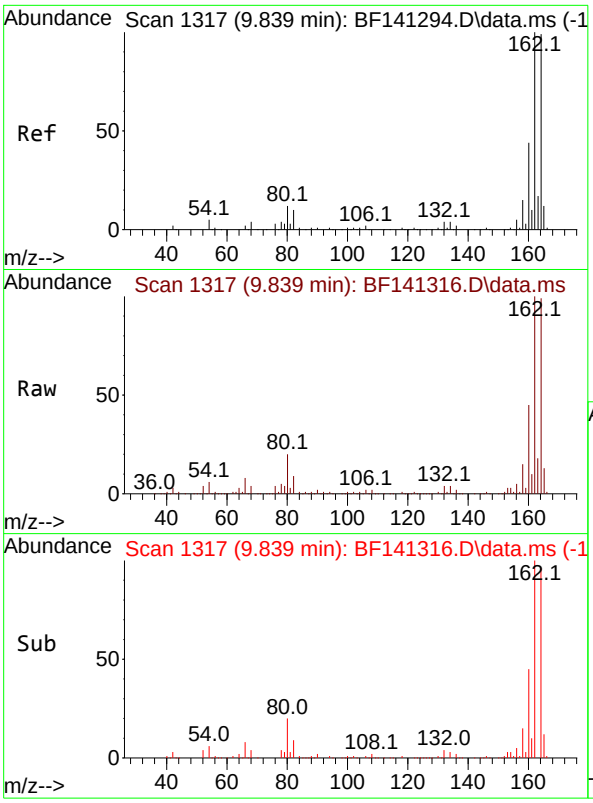


#38
1-Methylnaphthalene
Concen: 37.106 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:142 Resp: 820539

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.2	109.8

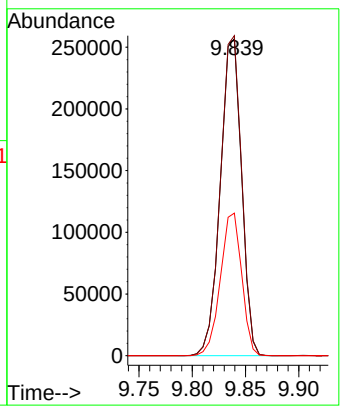




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:164 Resp: 35649

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	45.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
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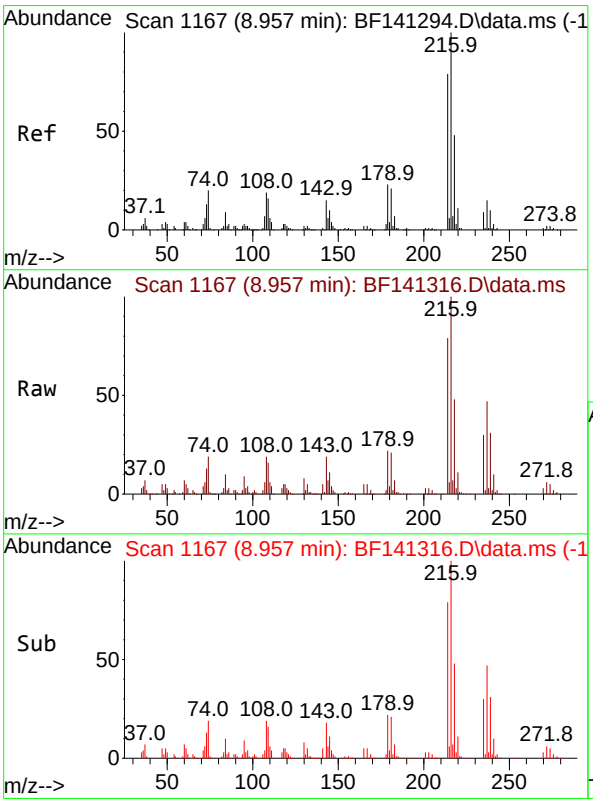
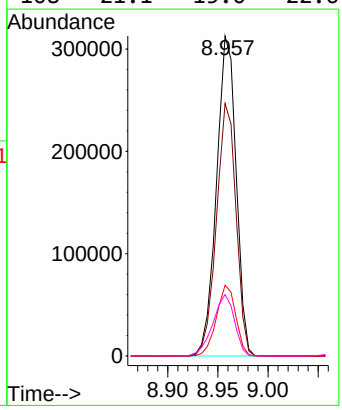
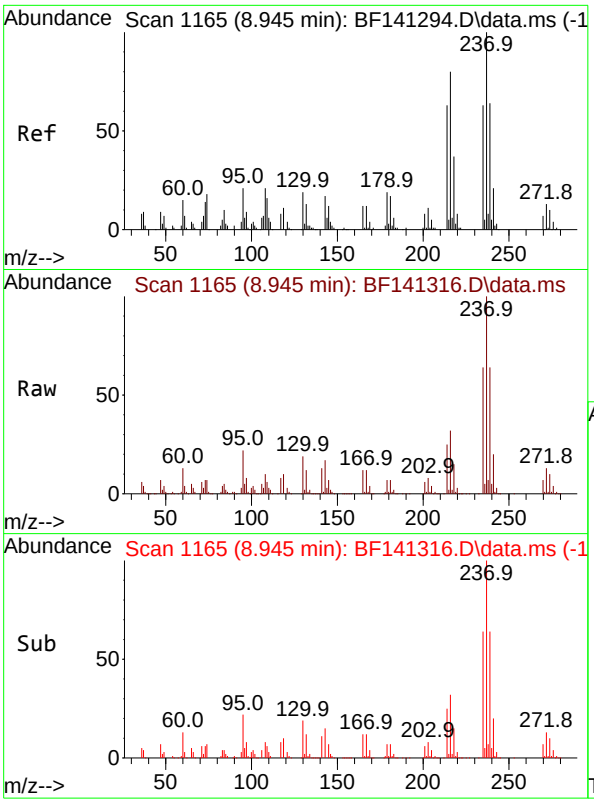


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.890 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:216 Resp: 424850

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.2	94.8
179	21.8	17.8	26.8
108	21.1	15.0	22.6

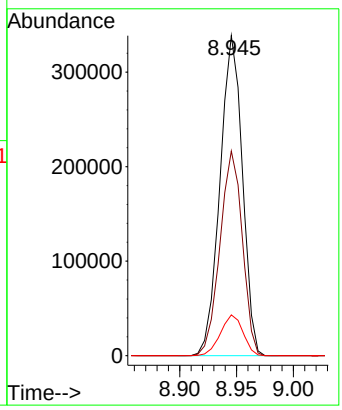




#41
Hexachlorocyclopentadiene
Concen: 155.127 ng
RT: 8.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:237 Resp: 46463

Ion	Ratio	Lower	Upper
237	100		
235	63.9	42.9	82.9
272	12.7	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
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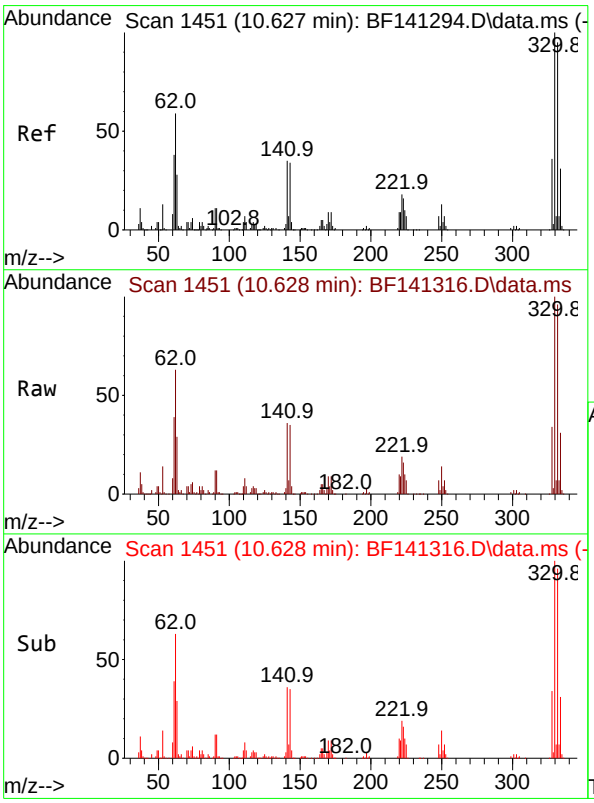
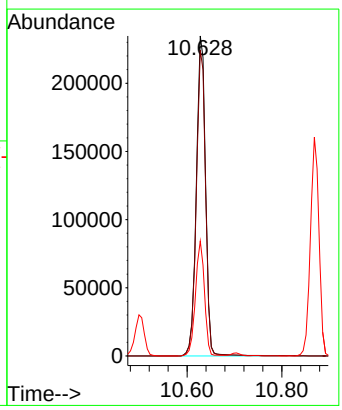
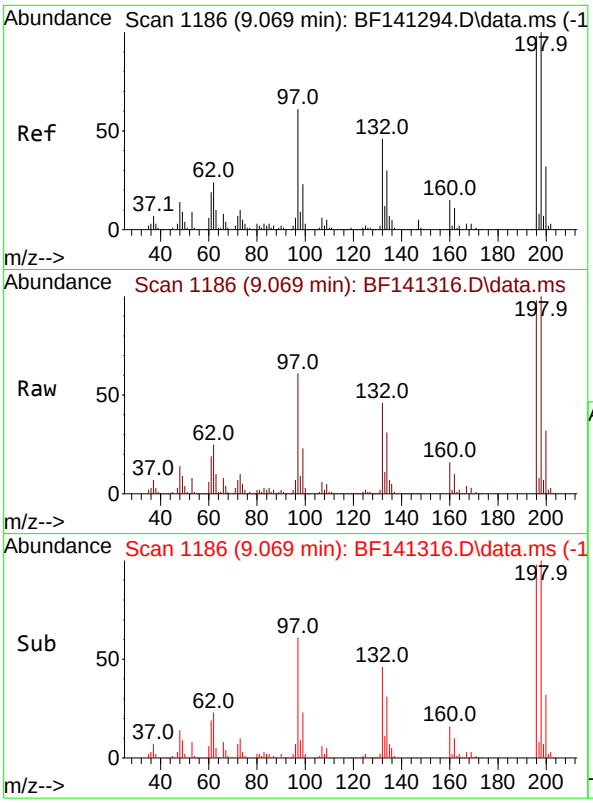


#42
2,4,6-Tribromophenol
Concen: 97.407 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:330 Resp: 318353

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.1	114.1
141	35.2	28.8	43.2

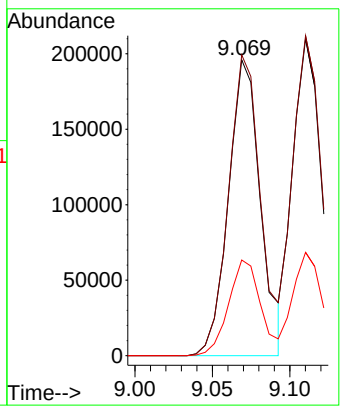




#43
2,4,6-Trichlorophenol
Concen: 42.381 ng
RT: 9.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:196 Resp: 28133

Ion	Ratio	Lower	Upper
196	100		
198	101.7	81.8	122.6
200	32.3	26.3	39.5



Instrument :
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ClientSampleId :
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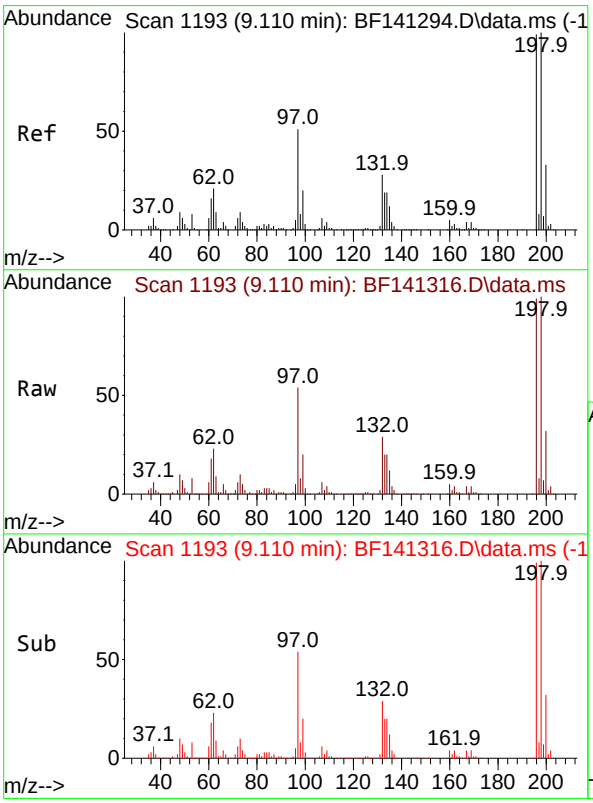
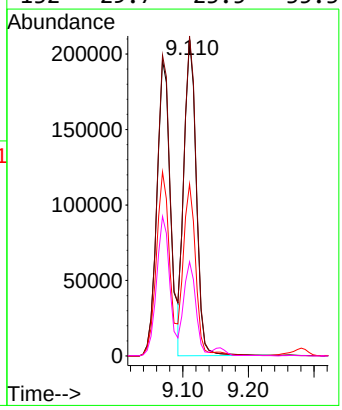
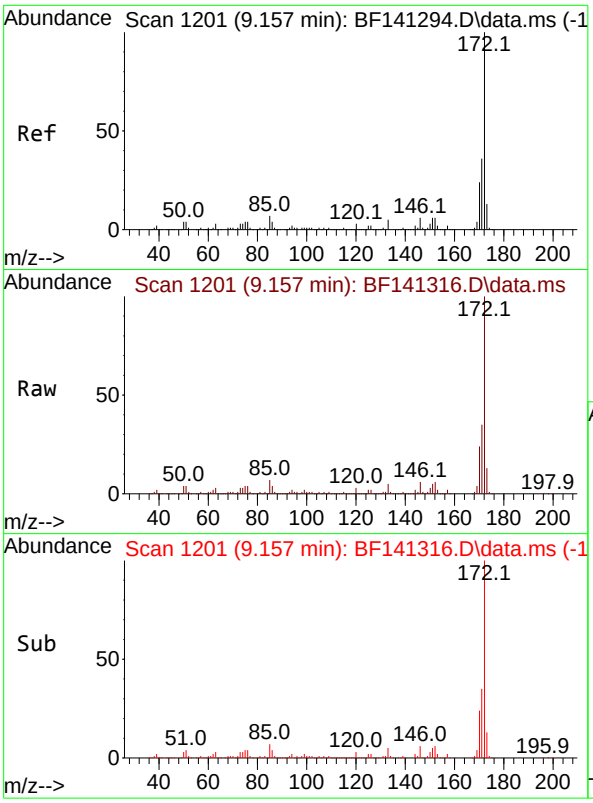


#44
2,4,5-Trichlorophenol
Concen: 37.799 ng
RT: 9.110 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:196 Resp: 273099

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.5	120.7
97	54.2	42.8	64.2
132	29.7	23.5	35.3

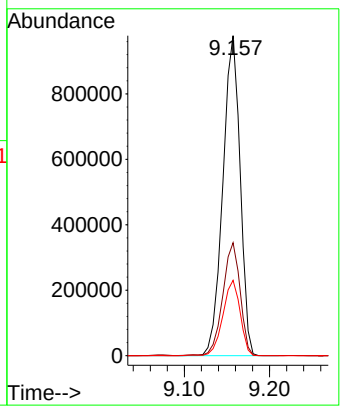




#45
2-Fluorobiphenyl
Concen: 59.412 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:172 Resp: 137606

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.5	19.0	28.6



Instrument :
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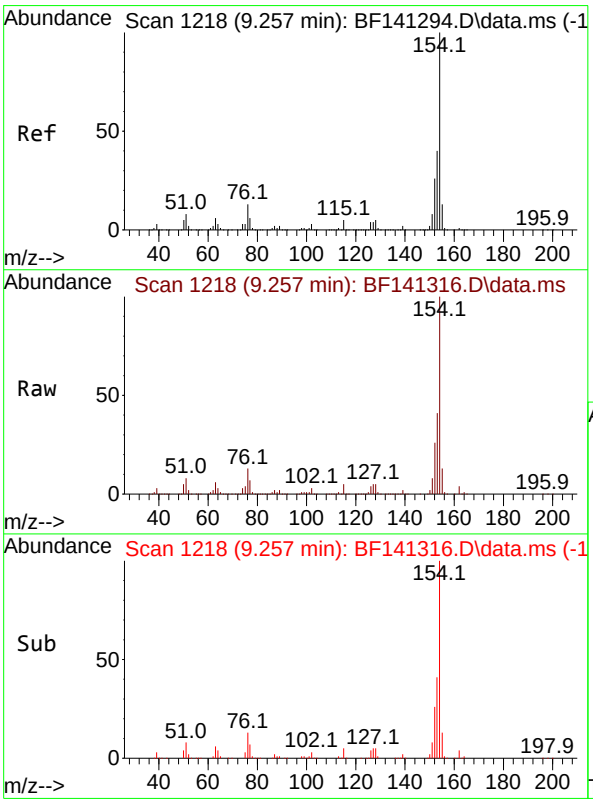
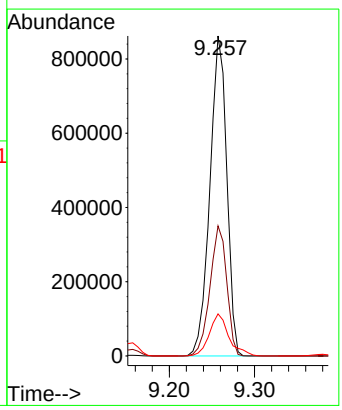
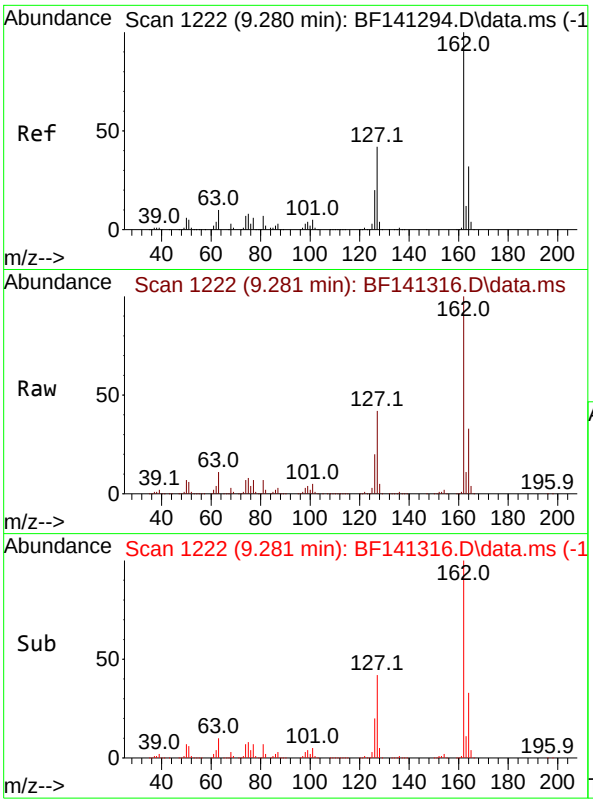


#46
1,1'-Biphenyl
Concen: 42.647 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:154 Resp: 1185688

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.0	60.0
76	13.1	0.0	32.8

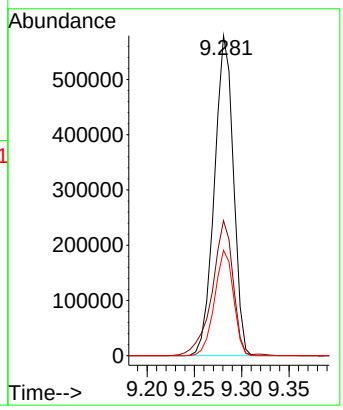




#47
2-Chloronaphthalene
Concen: 37.403 ng
RT: 9.281 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:162 Resp: 81054

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.7	50.5
164	32.9	25.9	38.9



Instrument :
BNA_F
ClientSampleId :
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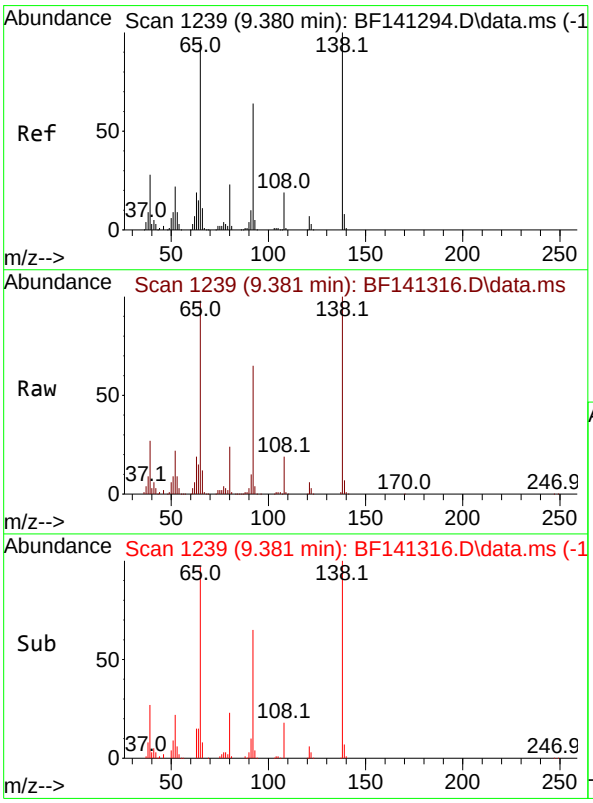
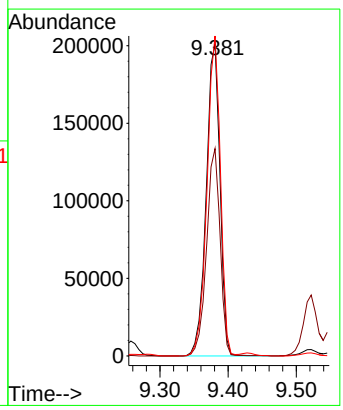
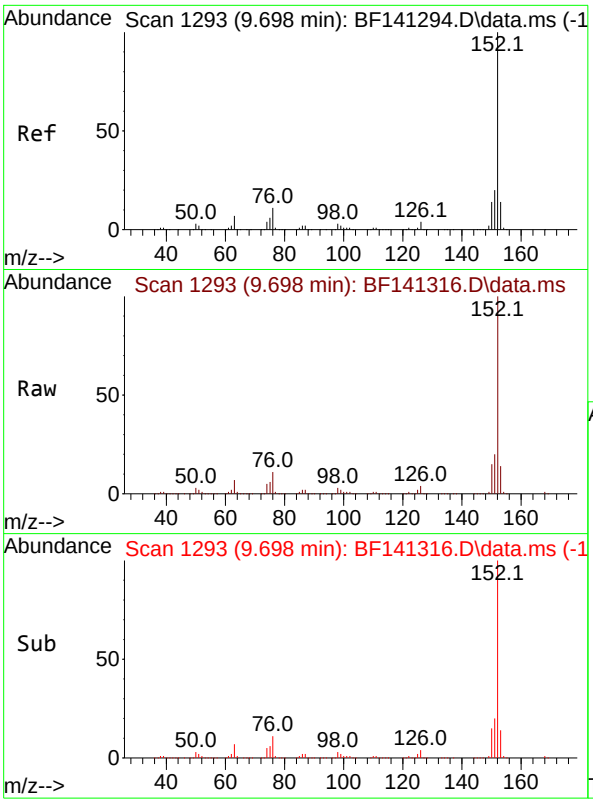


#48
2-Nitroaniline
Concen: 41.434 ng
RT: 9.381 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 65 Resp: 282428

Ion	Ratio	Lower	Upper
65	100		
92	66.4	53.3	79.9
138	102.4	83.6	125.4

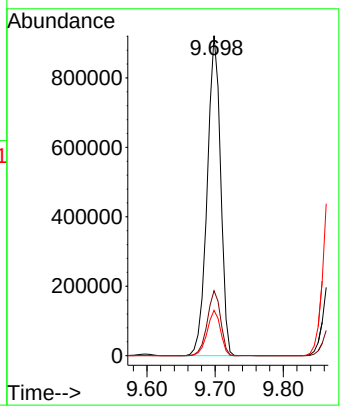




#49
Acenaphthylene
Concen: 41.496 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:152 Resp: 125878

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	14.1	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
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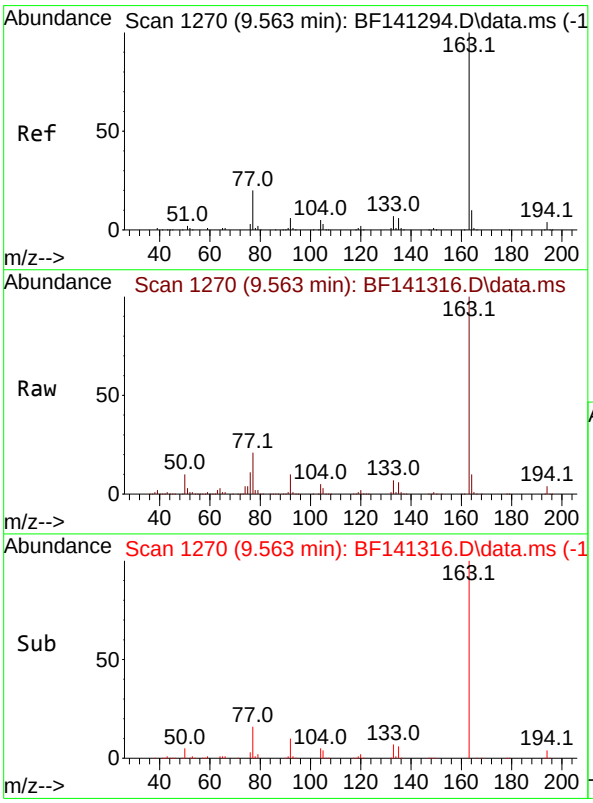
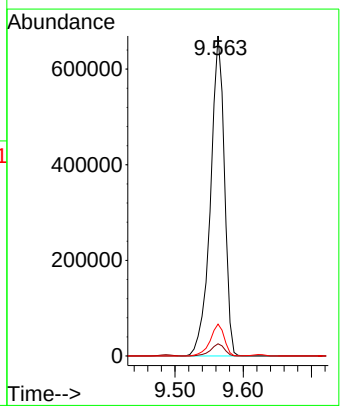
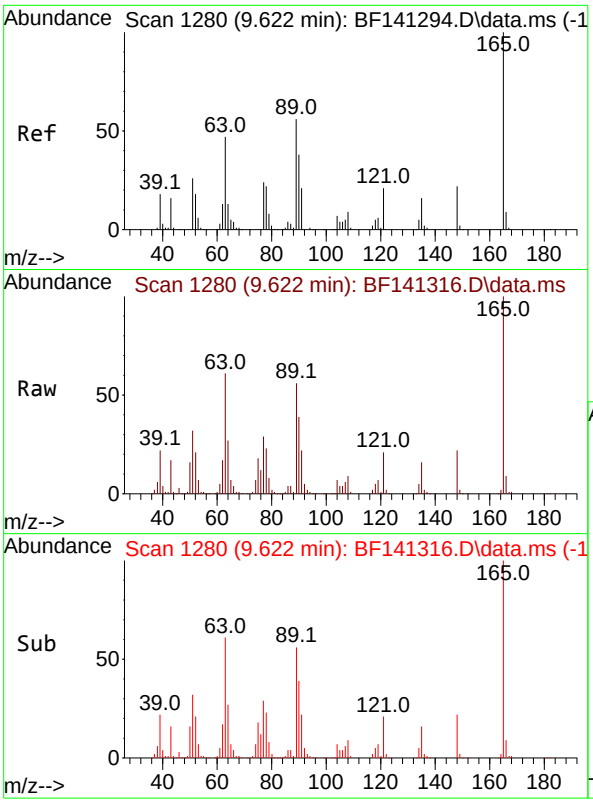


#50
Dimethylphthalate
Concen: 39.592 ng
RT: 9.563 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:163 Resp: 953297

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.9	8.0	12.0

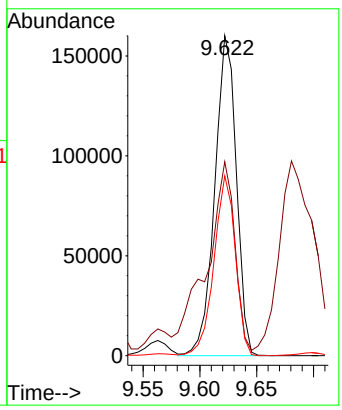




#51
2,6-Dinitrotoluene
Concen: 37.868 ng
RT: 9.622 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:165 Resp: 21170

Ion	Ratio	Lower	Upper
165	100		
63	60.6	48.1	72.1
89	56.2	44.9	67.3



Instrument :
BNA_F
ClientSampleId :
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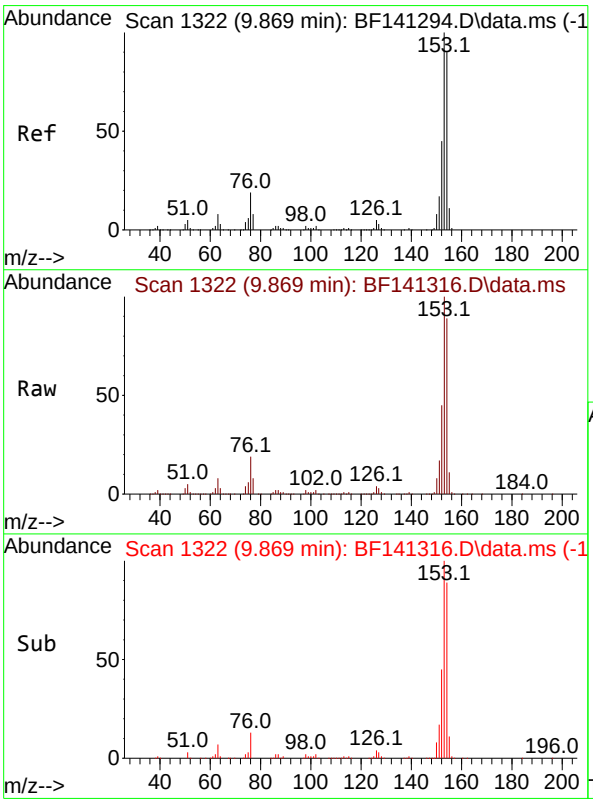
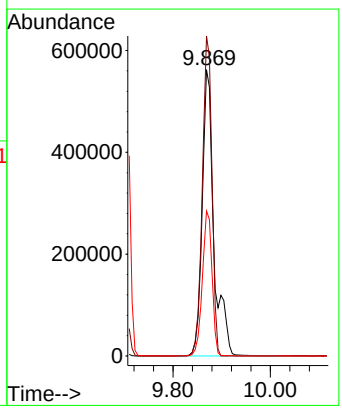
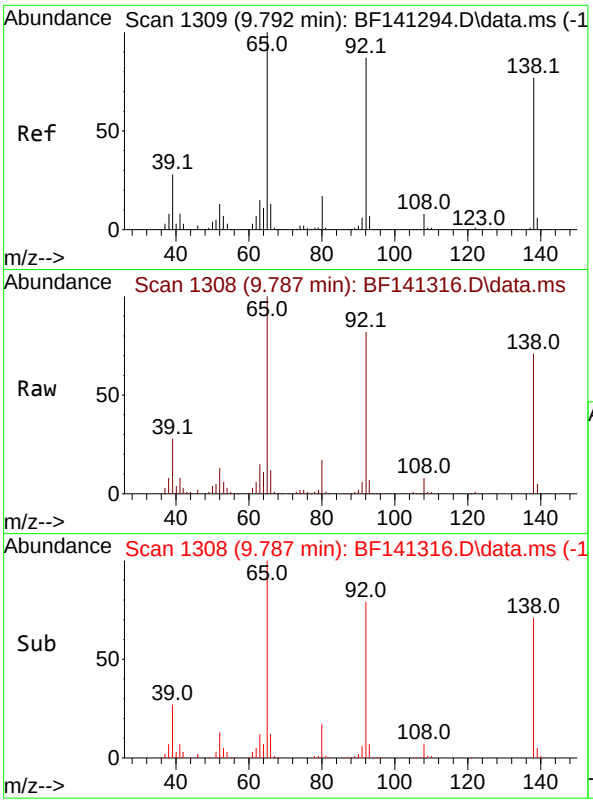


#52
Acenaphthene
Concen: 43.164 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:154 Resp: 935411

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.4
152	50.7	40.2	60.4





#53
3-Nitroaniline
Concen: 18.193 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:138 Resp: 9968

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.6	12.8
92	115.1	91.0	136.6

Instrument :
BNA_F
ClientSampleId :
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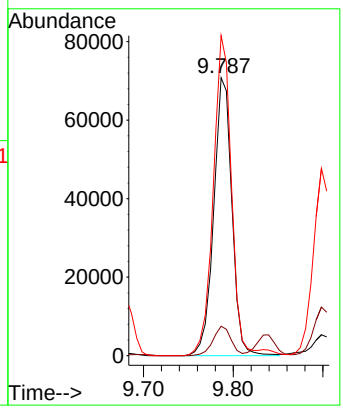
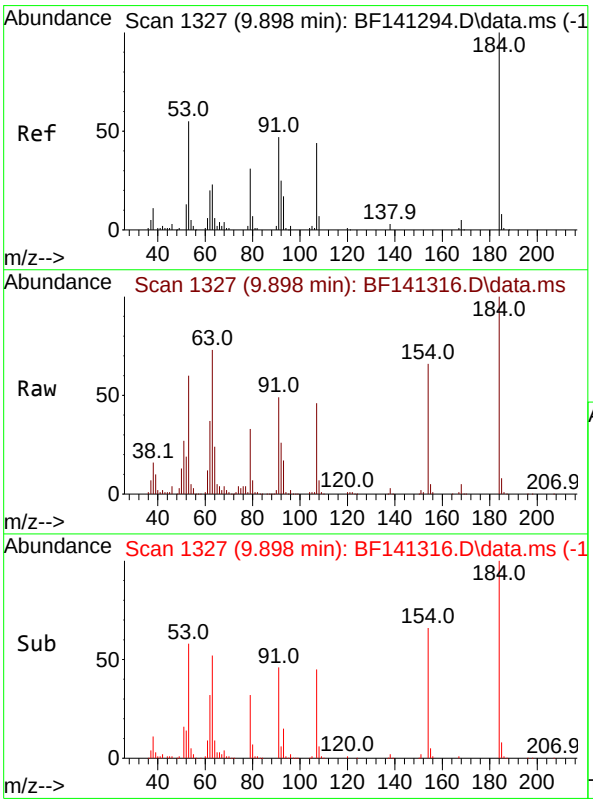
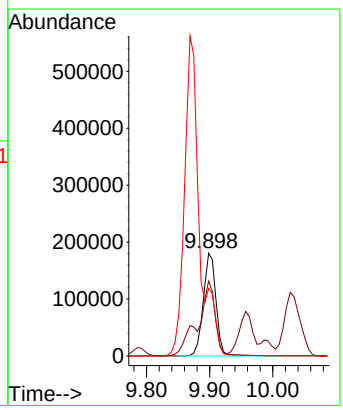


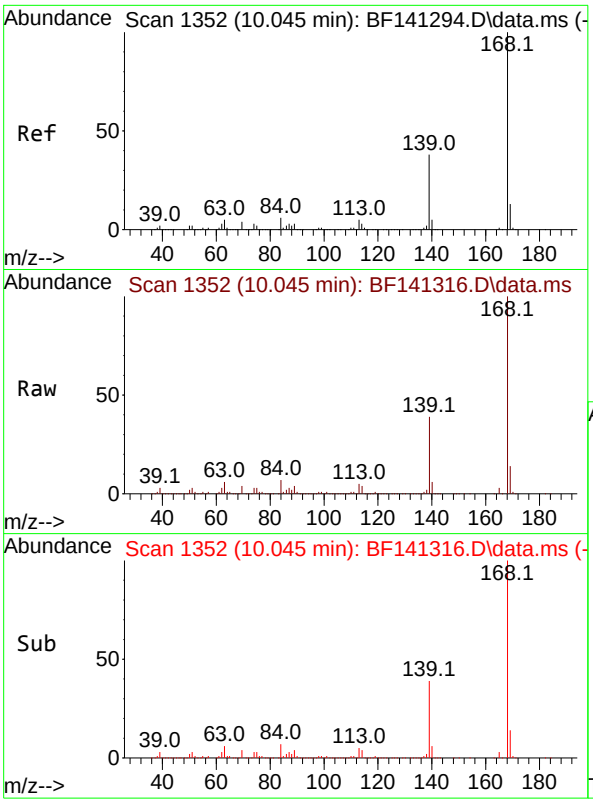


#54
2,4-Dinitrophenol
Concen: 97.477 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:184 Resp: 253324

Ion	Ratio	Lower	Upper
184	100		
63	72.9	54.1	81.1
154	65.9	50.7	76.1

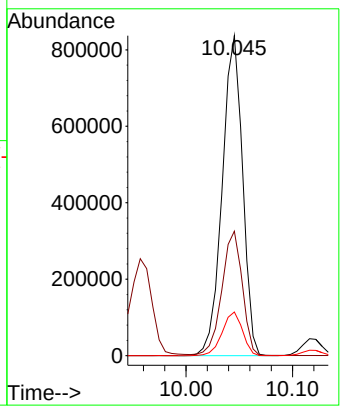




#55
Dibenzofuran
Concen: 38.315 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:168 Resp: 111145

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.6	46.0
169	13.6	10.8	16.2



Instrument :
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ClientSampleId :
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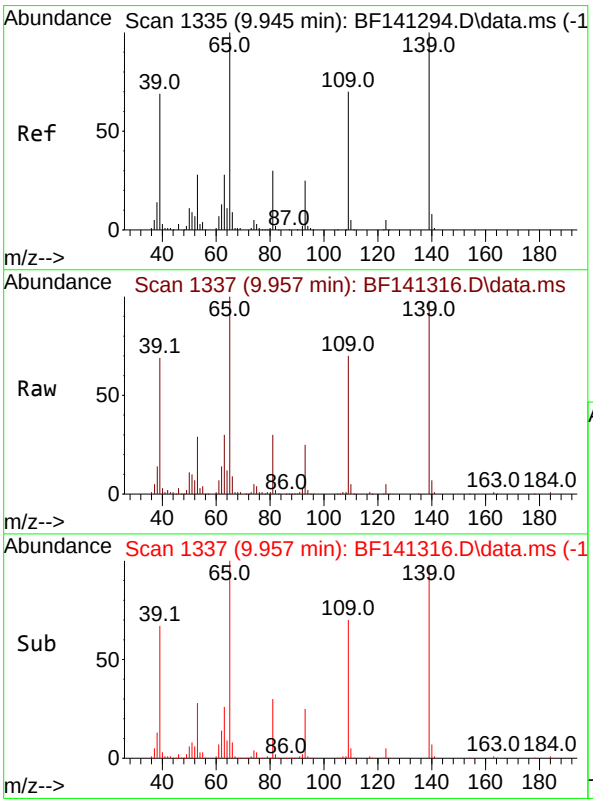
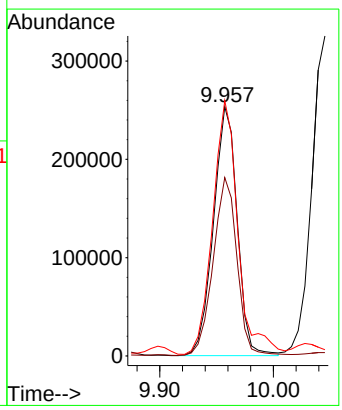
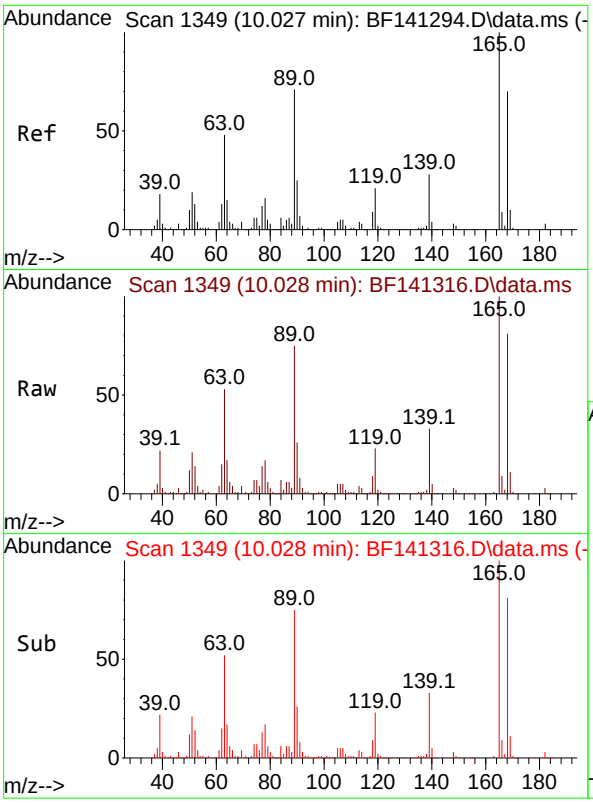


#56
4-Nitrophenol
Concen: 91.830 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:139 Resp: 367987

Ion	Ratio	Lower	Upper
139	100		
109	71.5	50.2	90.2
65	102.4	80.6	120.6

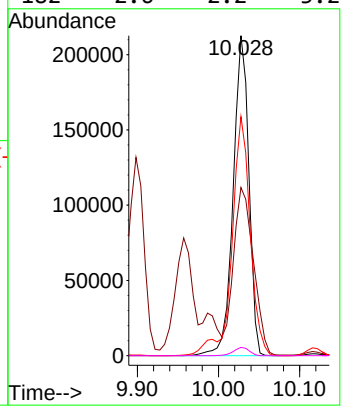




#57
2,4-Dinitrotoluene
Concen: 39.344 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:165 Resp: 28478

Ion	Ratio	Lower	Upper
165	100		
63	52.6	39.2	58.8
89	74.7	56.9	85.3
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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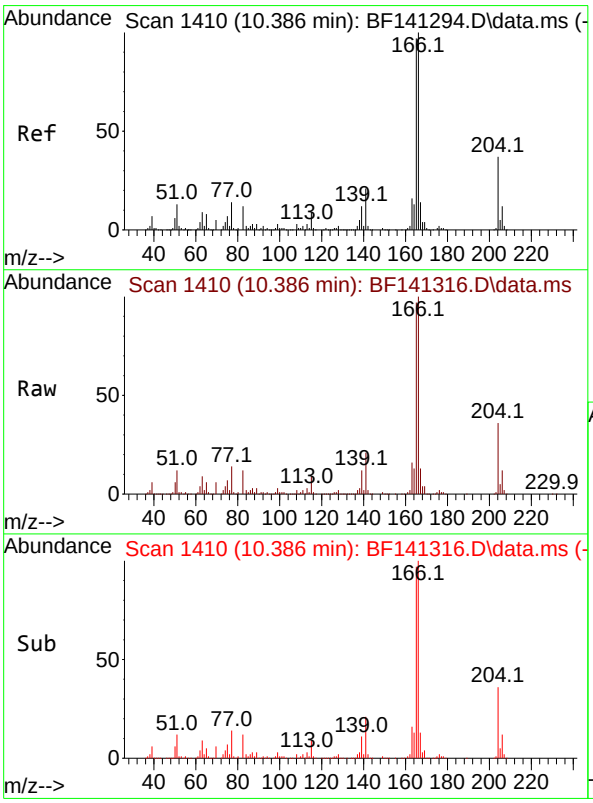
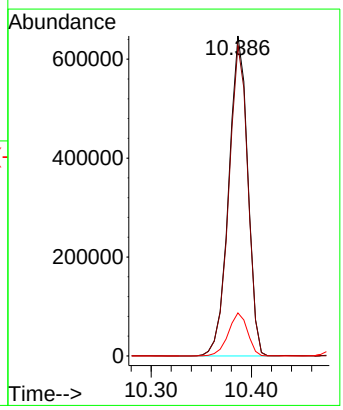
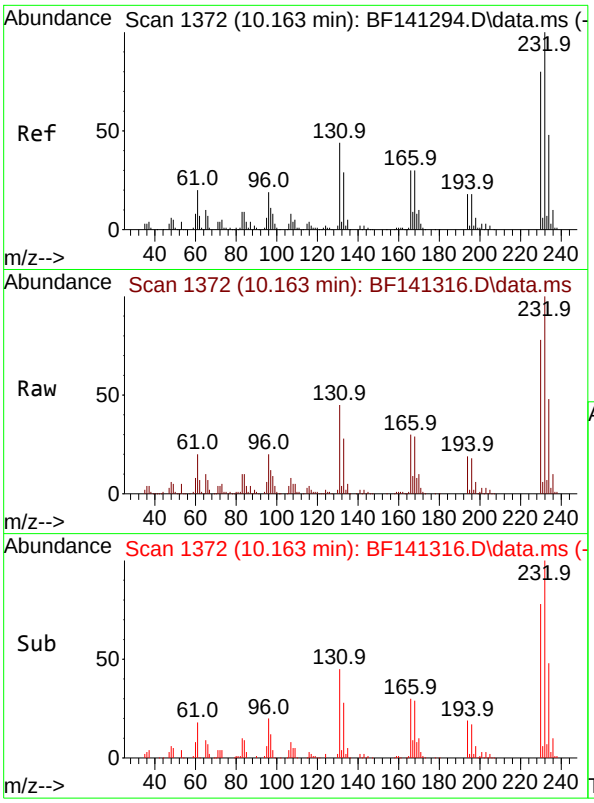


#58
Fluorene
Concen: 37.866 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:166 Resp: 852028

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.5	116.3
167	13.5	10.9	16.3

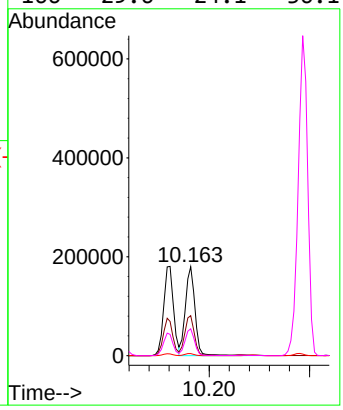




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.085 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:232 Resp: 23921

Ion	Ratio	Lower	Upper
232	100		
131	45.1	36.4	54.6
130	2.4	1.9	2.9
166	29.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
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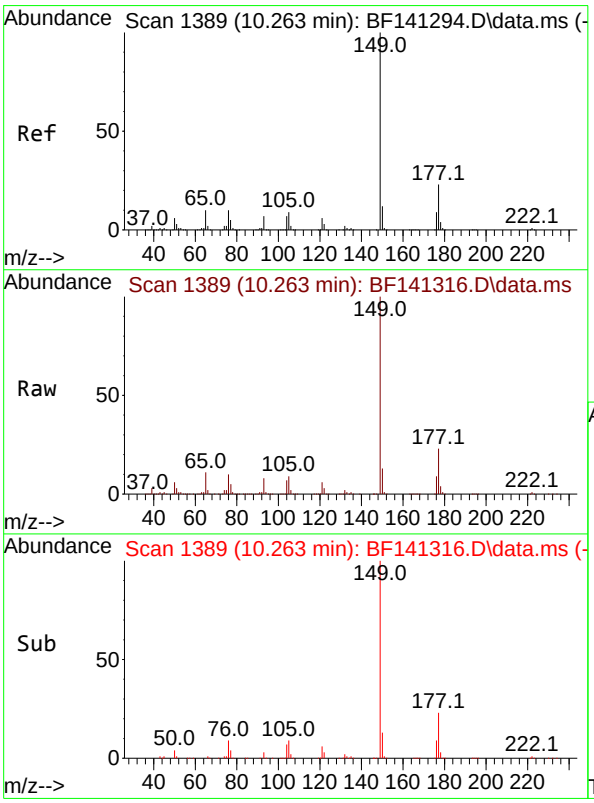
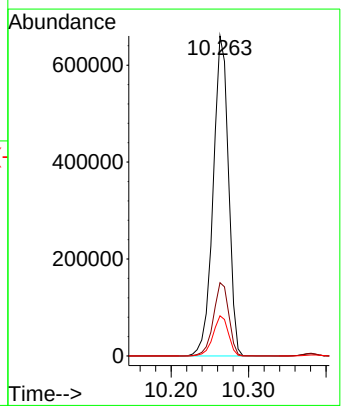
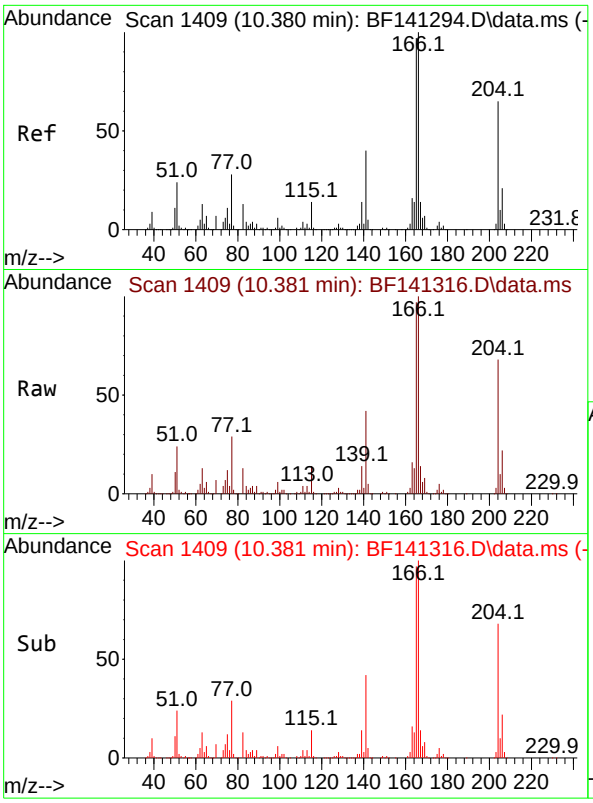


#60
Diethylphthalate
Concen: 38.786 ng
RT: 10.263 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:149 Resp: 905511

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.5	27.7
150	12.6	10.0	15.0

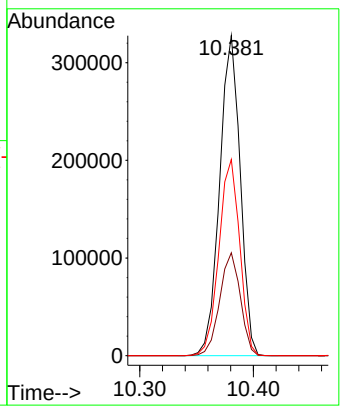




#61
4-Chlorophenyl-phenylether
Concen: 37.514 ng
RT: 10.381 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:204 Resp: 41231

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.9	38.9
141	61.3	49.5	74.3



Instrument :
BNA_F
ClientSampleId :
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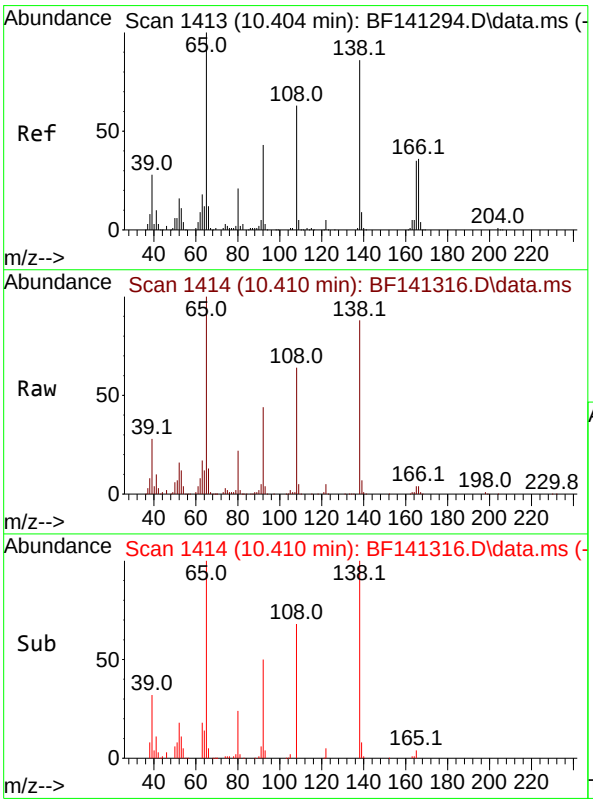
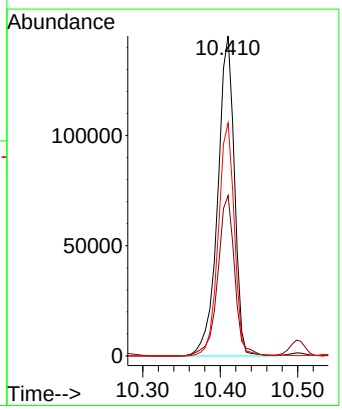
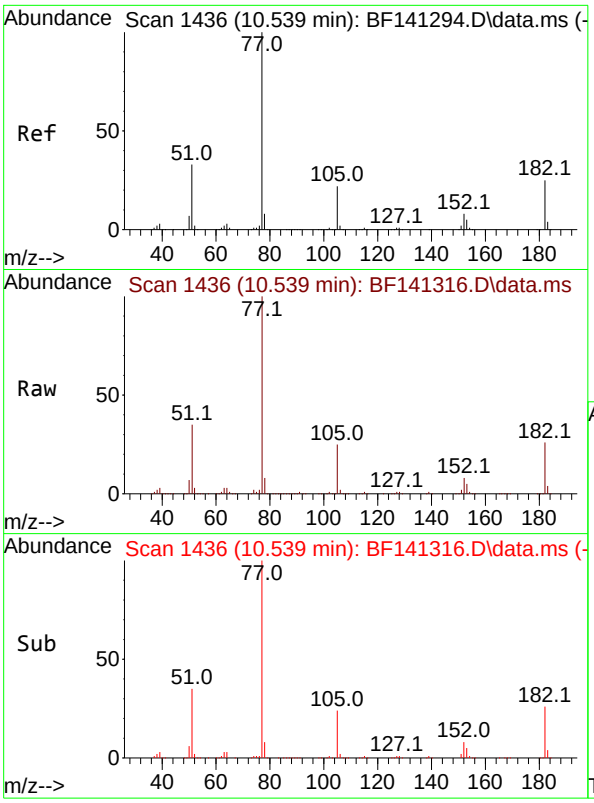


#62
4-Nitroaniline
Concen: 40.302 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:138 Resp: 217106

Ion	Ratio	Lower	Upper
138	100		
92	50.2	30.1	70.1
108	72.8	53.1	93.1

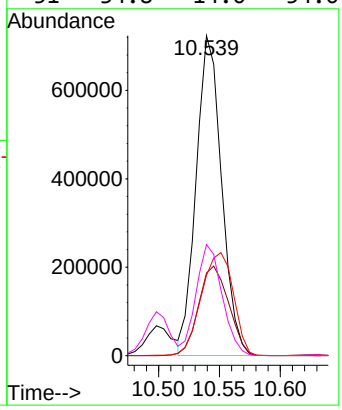




#63
Azobenzene
Concen: 45.030 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion: 77 Resp: 105229

Ion	Ratio	Lower	Upper
77	100		
182	25.9	5.1	45.1
105	25.1	1.8	41.8
51	34.8	14.0	54.0



Instrument :
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ClientSampleId :
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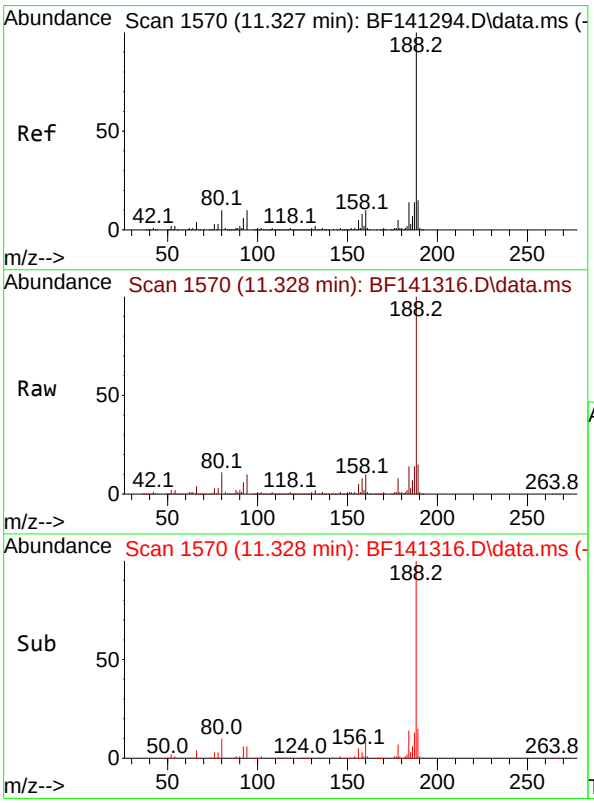
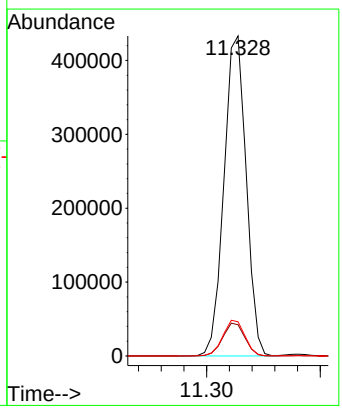
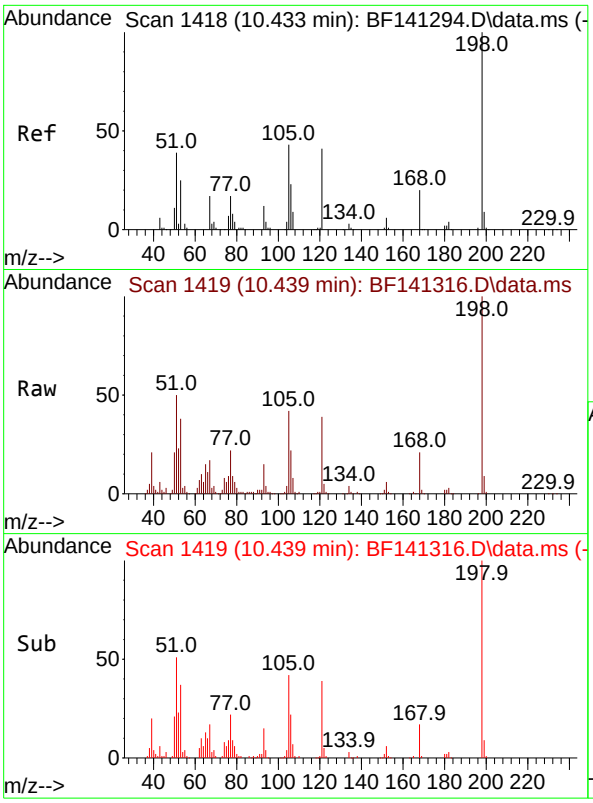


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:188 Resp: 588680

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.8	11.6
80	10.7	8.2	12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 47.088 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:198 Resp: 16396

Ion	Ratio	Lower	Upper
198	100		
51	50.4	33.4	73.4
105	42.0	24.4	64.4

Instrument :
BNA_F
ClientSampleId :
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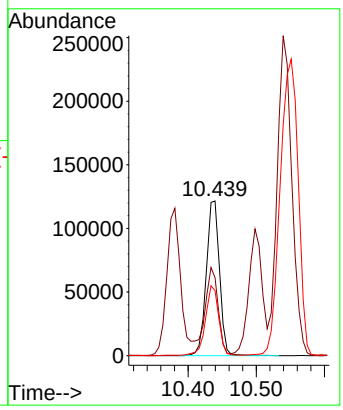
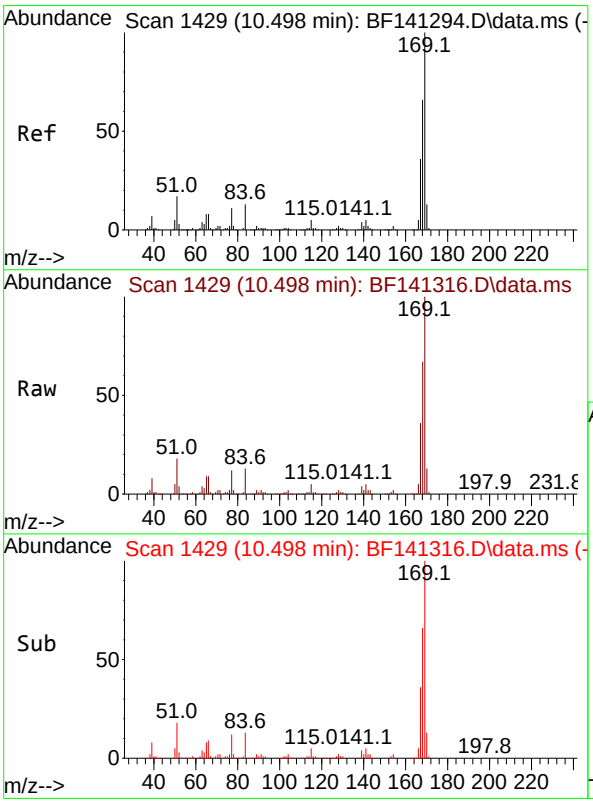
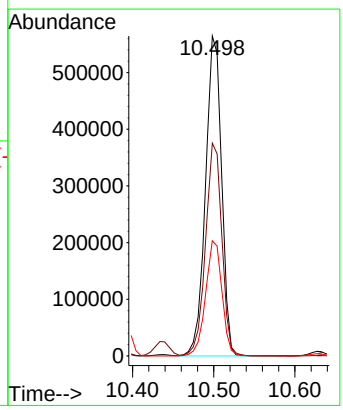


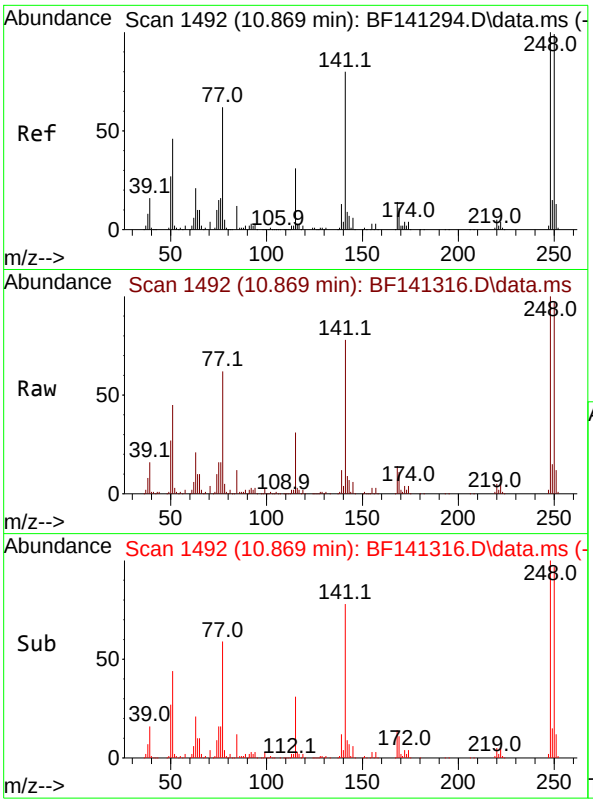


#66
n-Nitrosodiphenylamine
Concen: 40.641 ng
RT: 10.498 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:169 Resp: 773802

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.0	28.8	43.2

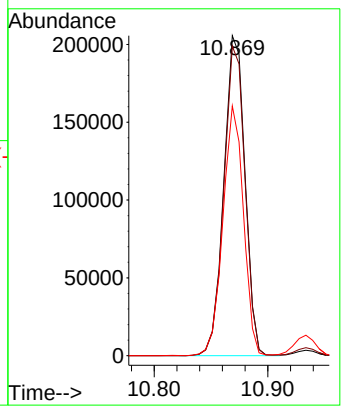




#67
4-Bromophenyl-phenylether
Concen: 40.435 ng
RT: 10.869 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:248 Resp: 26648

Ion	Ratio	Lower	Upper
248	100		
250	96.7	79.0	118.4
141	78.0	63.7	95.5



Instrument :
BNA_F
ClientSampleId :
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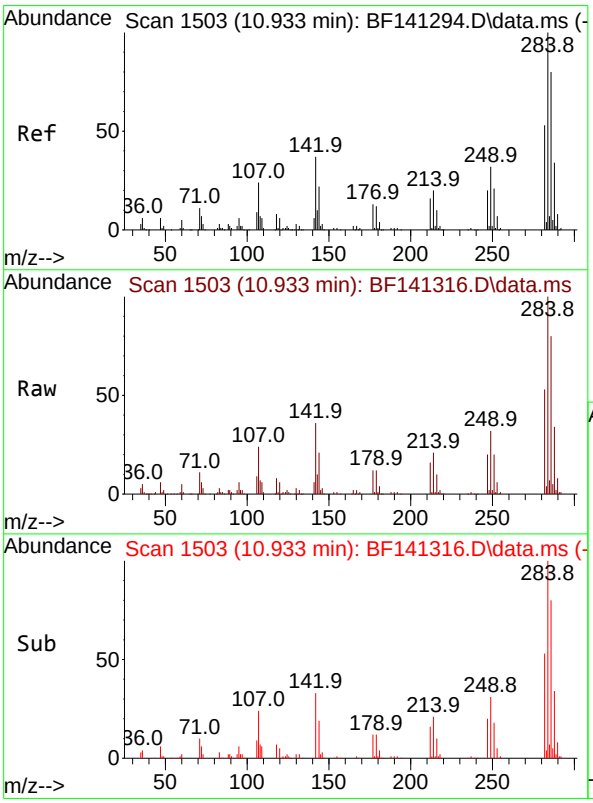
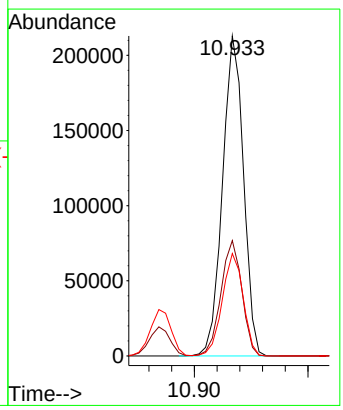
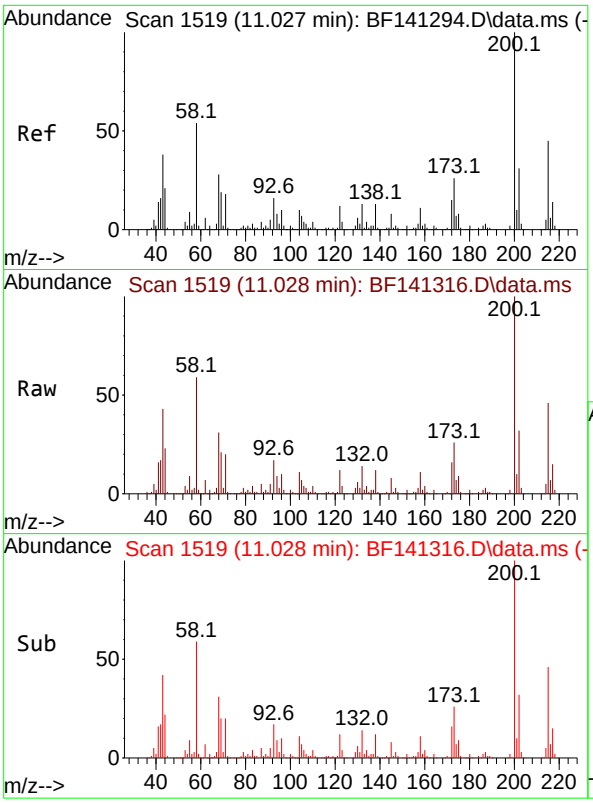


#68
Hexachlorobenzene
Concen: 39.099 ng
RT: 10.933 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:284 Resp: 273333

Ion	Ratio	Lower	Upper
284	100		
142	36.0	29.5	44.3
249	32.0	25.4	38.2

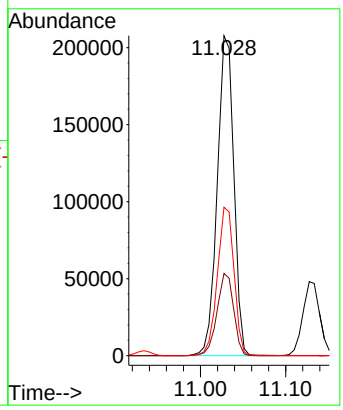




#69
Atrazine
Concen: 44.182 ng
RT: 11.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:200 Resp: 28126

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.9	45.9
215	46.4	25.2	65.2



Instrument :
BNA_F
ClientSampleId :
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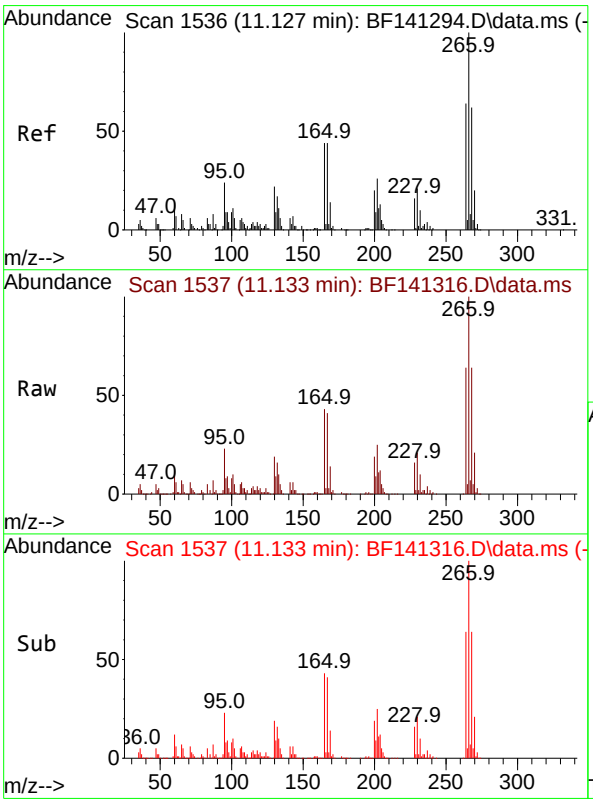
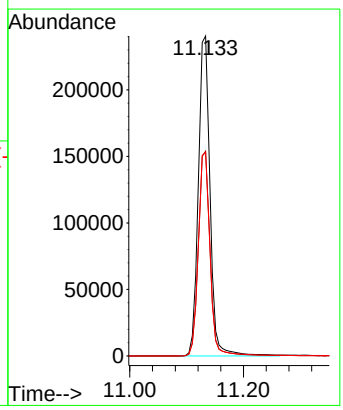
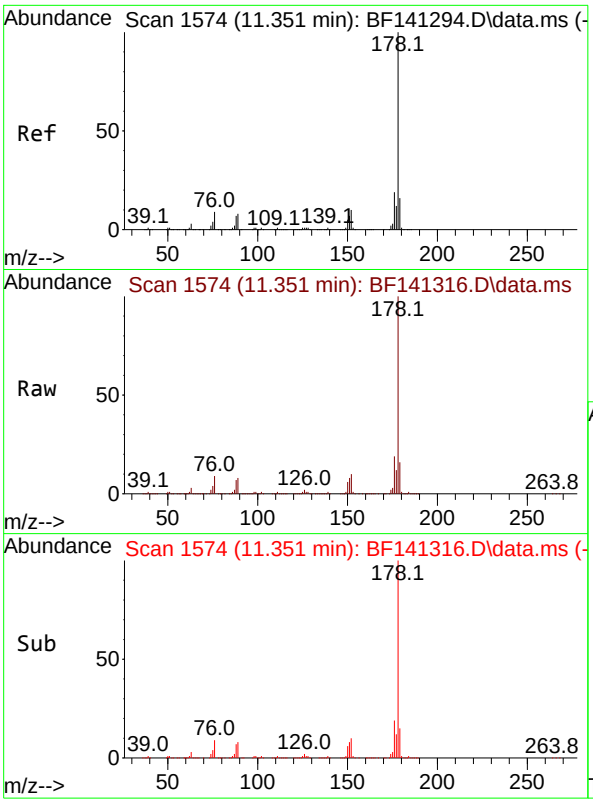


#70
Pentachlorophenol
Concen: 84.595 ng
RT: 11.133 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:266 Resp: 346307

Ion	Ratio	Lower	Upper
266	100		
268	64.0	49.9	74.9
264	63.7	51.0	76.4





#71
Phenanthrene
Concen: 40.190 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:178 Resp: 127178

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.6	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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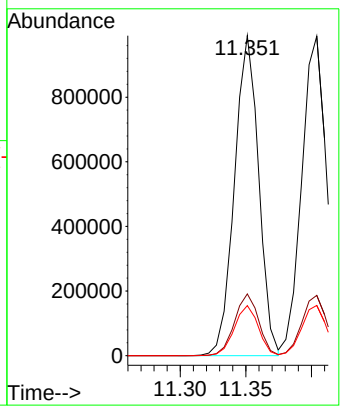
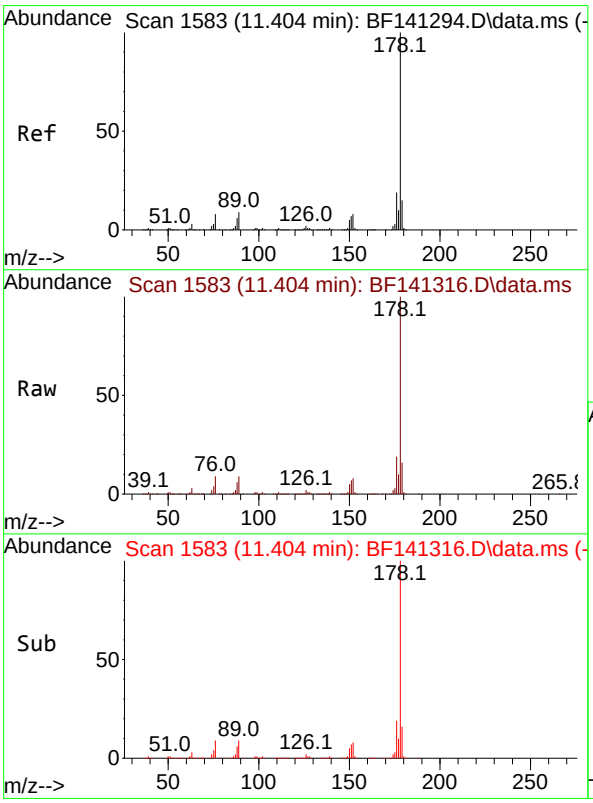
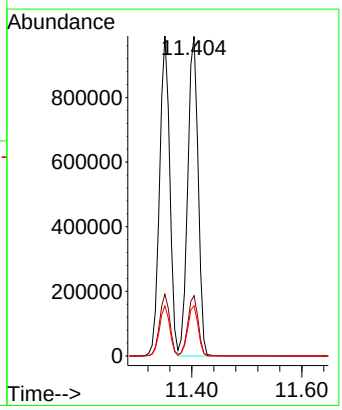


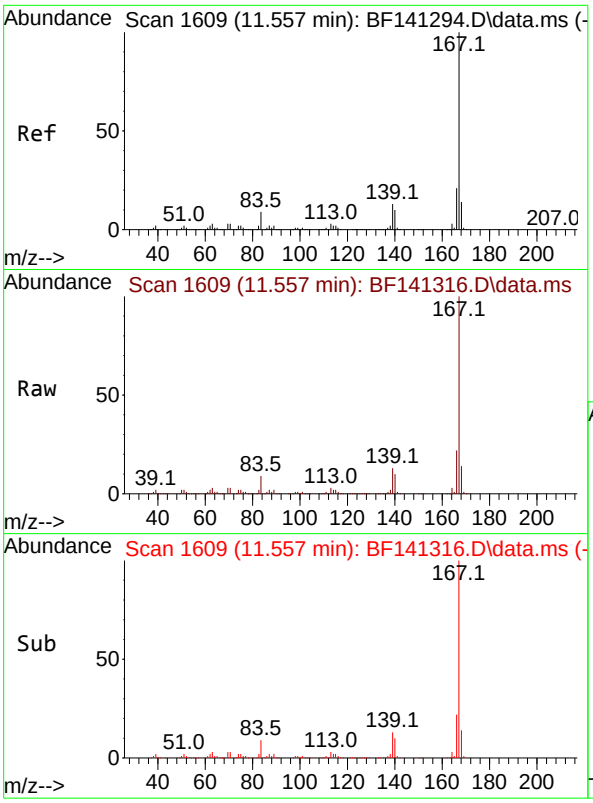


#72
Anthracene
Concen: 41.770 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:178 Resp: 1295098

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.7	12.3	18.5

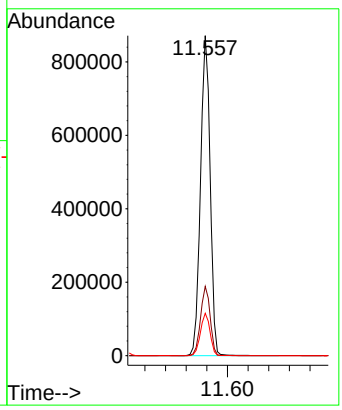




#73
Carbazole
Concen: 40.995 ng
RT: 11.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:167 Resp: 112708

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.6
139	13.3	10.6	16.0



Instrument :
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ClientSampleId :
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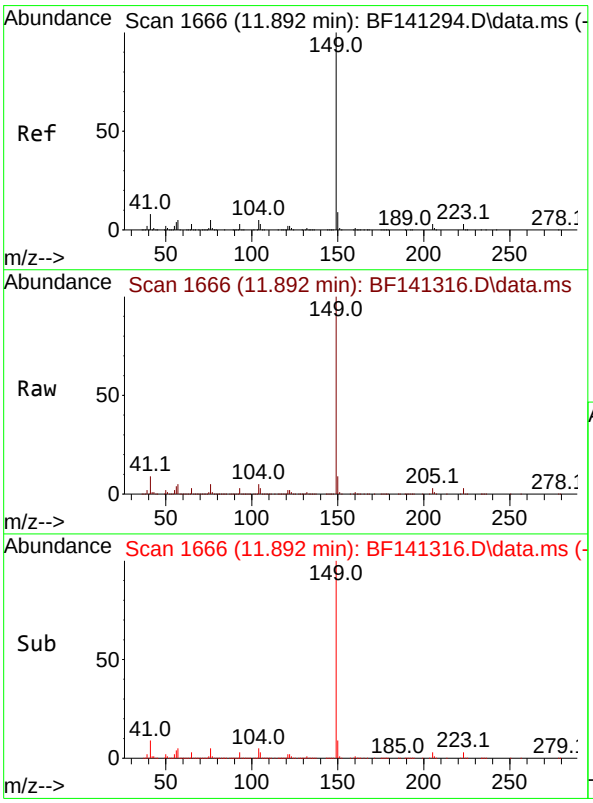
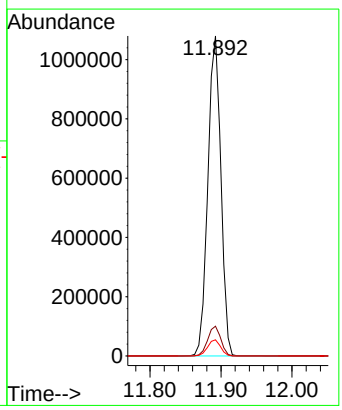
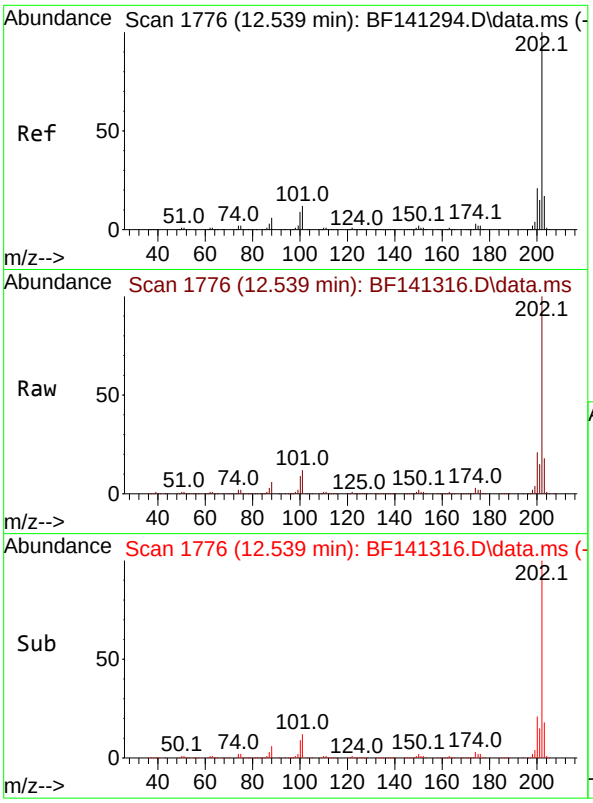


#74
Di-n-butylphthalate
Concen: 41.305 ng
RT: 11.892 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:149 Resp: 1376232

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

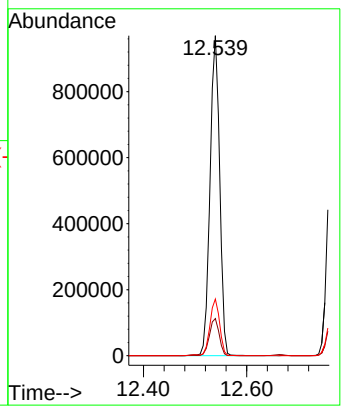




#75
Fluoranthene
Concen: 40.106 ng
RT: 12.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:202 Resp: 125310

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.7	0.0	37.5



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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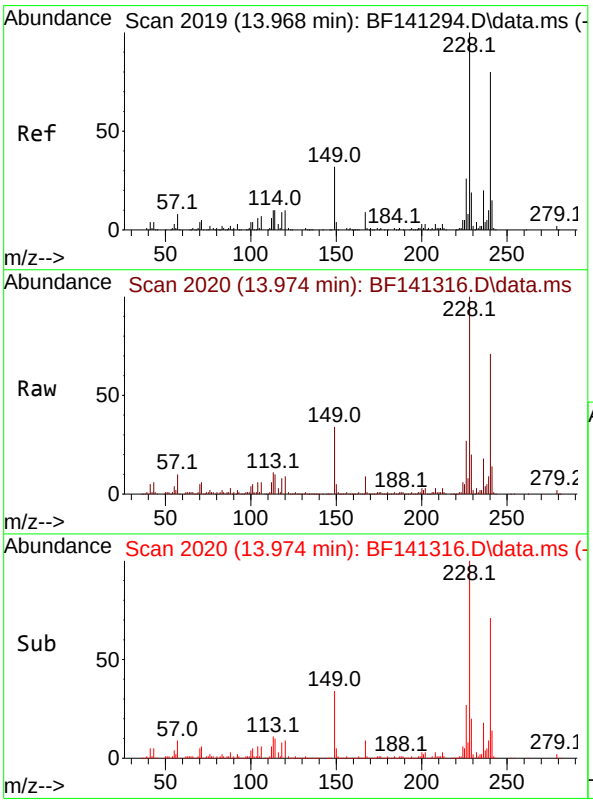
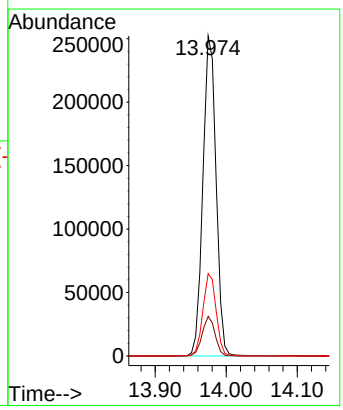
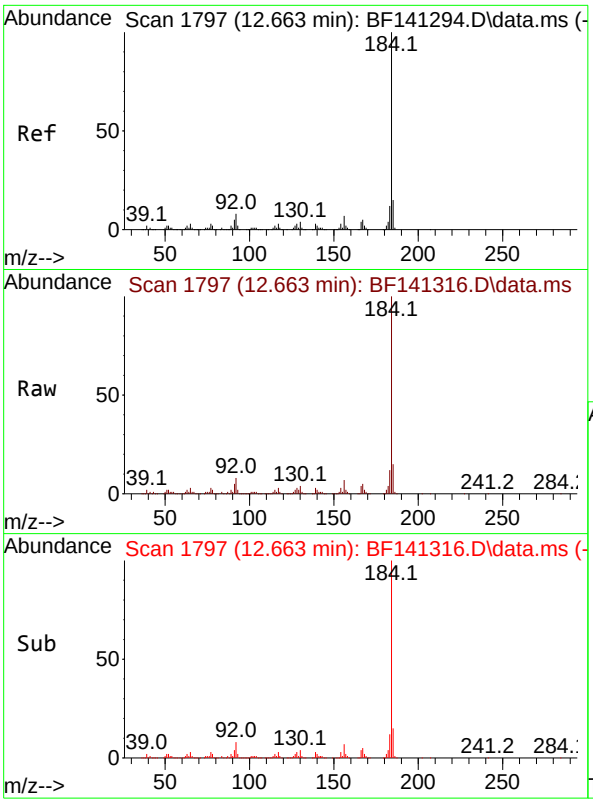


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:240 Resp: 325949

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.7	19.7	29.5

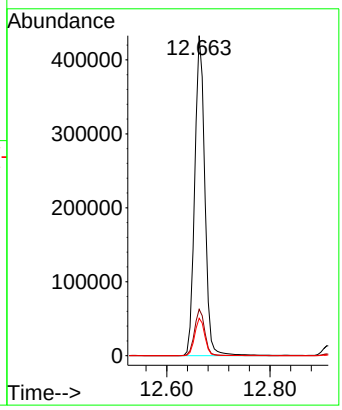




#77
Benzidine
Concen: 55.997 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:184 Resp: 58513

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.9	17.9
183	11.7	9.5	14.3



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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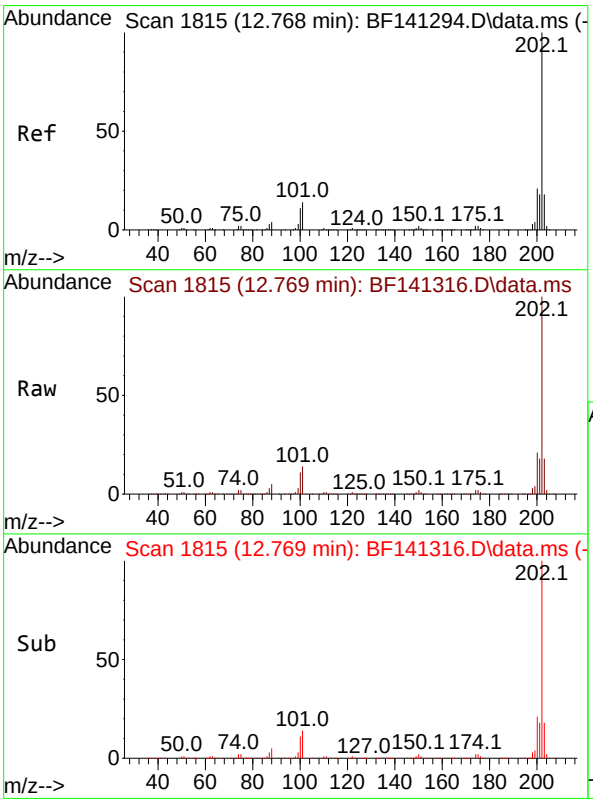
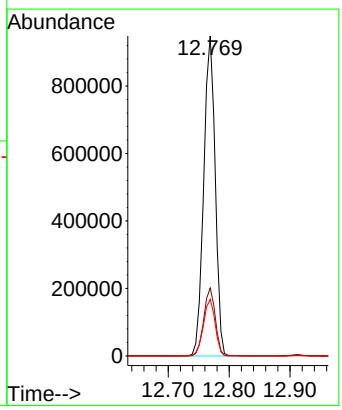
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

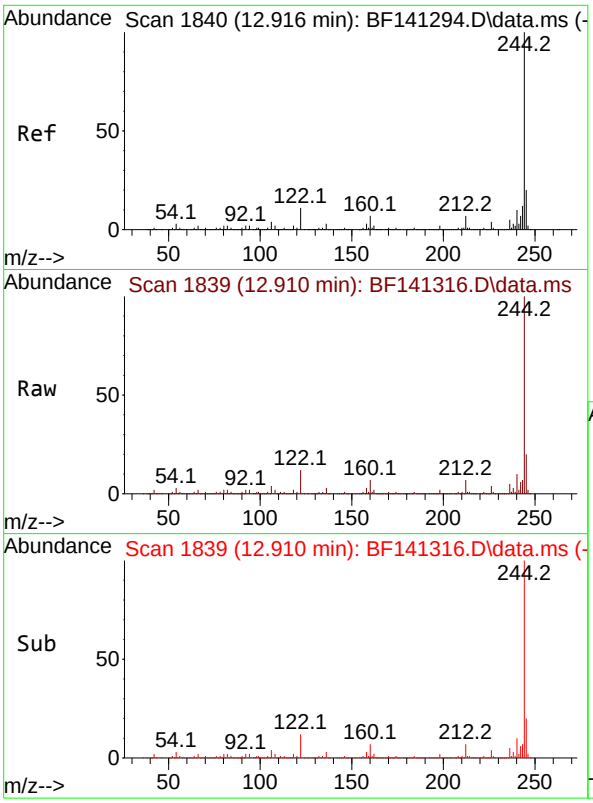


#78
Pyrene
Concen: 39.658 ng
RT: 12.769 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:202 Resp: 1240831

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	14.3	21.5

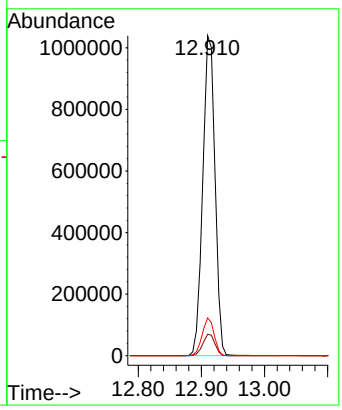




#79
Terphenyl-d14
Concen: 66.224 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:244 Resp: 139968

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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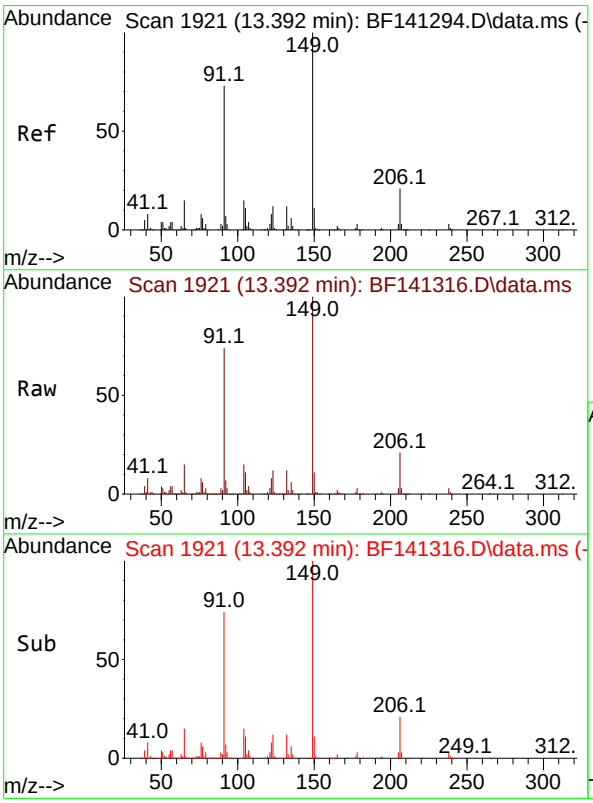
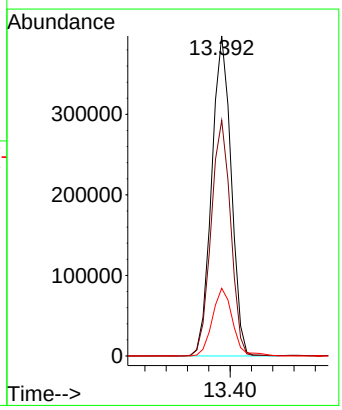
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

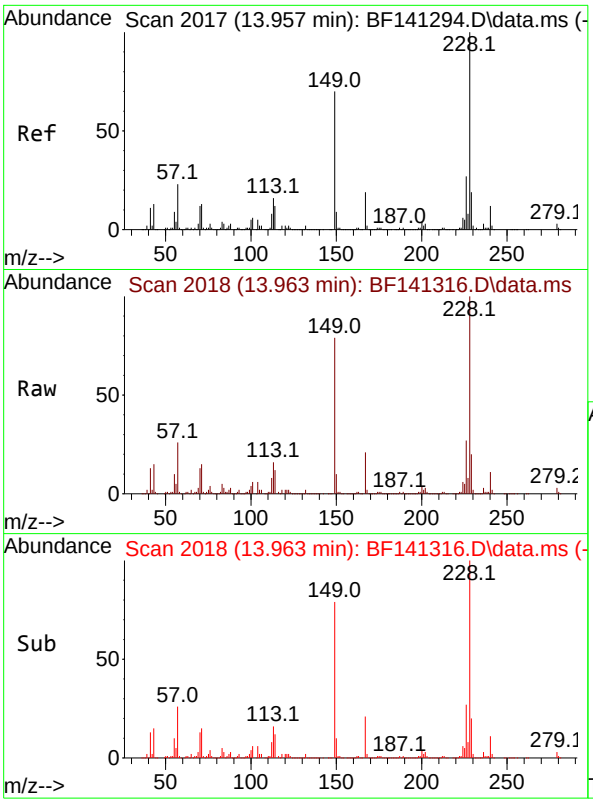


#80
Butylbenzylphthalate
Concen: 46.313 ng
RT: 13.392 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:149 Resp: 506233

Ion	Ratio	Lower	Upper
149	100		
91	73.6	58.6	87.8
206	21.2	16.7	25.1

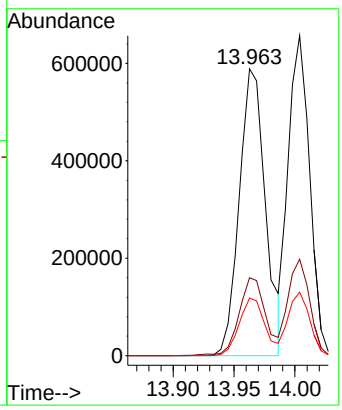




#81
Benzo(a)anthracene
Concen: 39.212 ng
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:228 Resp: 88197

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	20.1	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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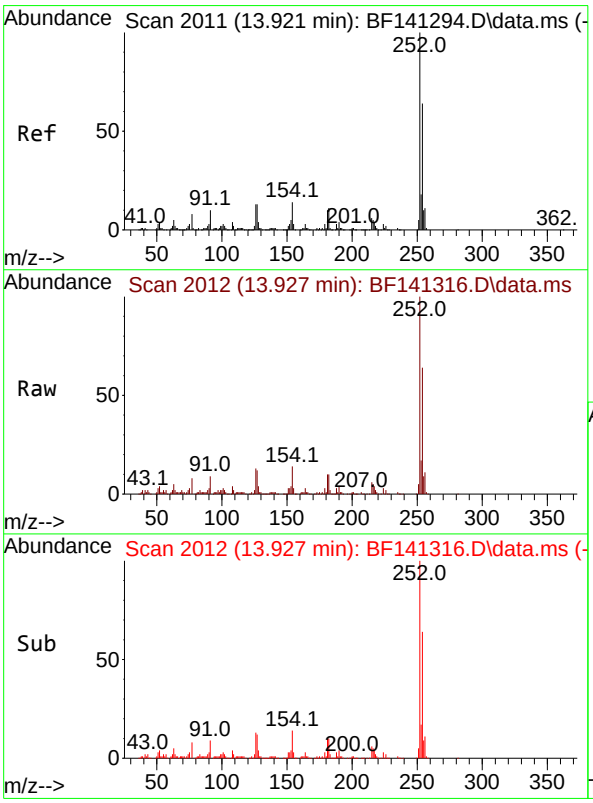
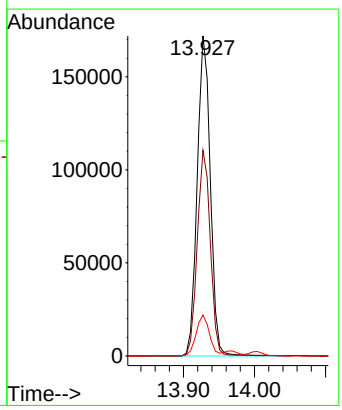
Supervised By :mohammad ahmed 01/31/2025

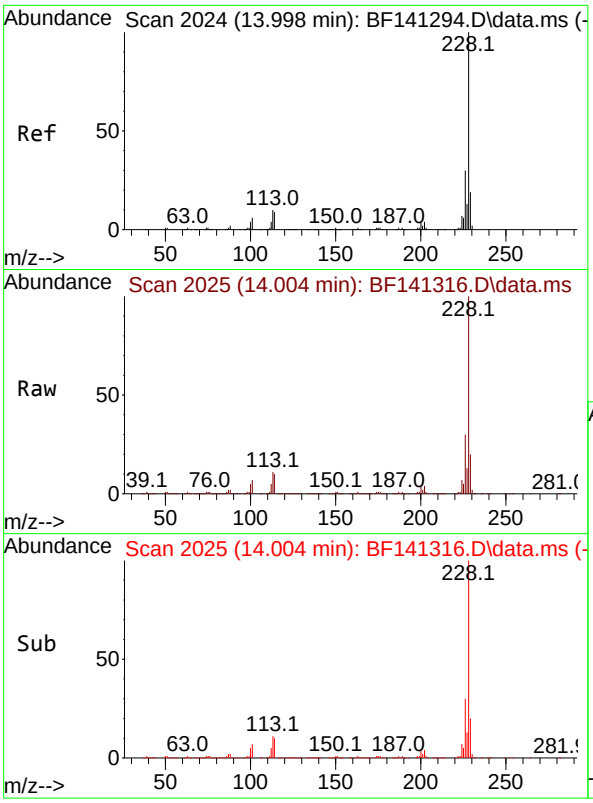


#82
3,3'-Dichlorobenzidine
Concen: 30.919 ng
RT: 13.927 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:252 Resp: 221186

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.3	76.9
126	12.8	10.0	15.0





#83
Chrysene
Concen: 39.205 ng
RT: 14.004 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:228 Resp: 80815

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
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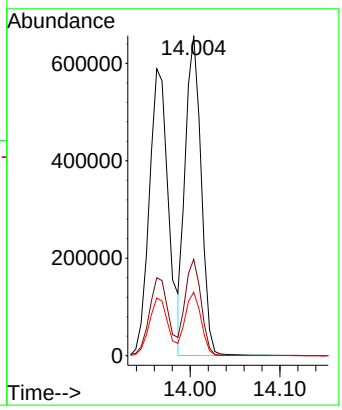
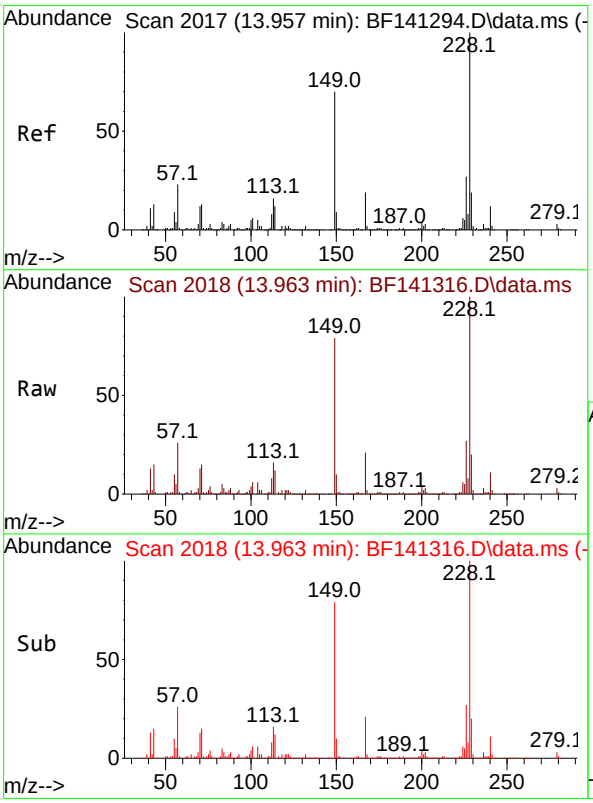
Reviewed By :Jagrut Upadhyay 01/30/2025
Supervised By :mohammad ahmed 01/31/2025

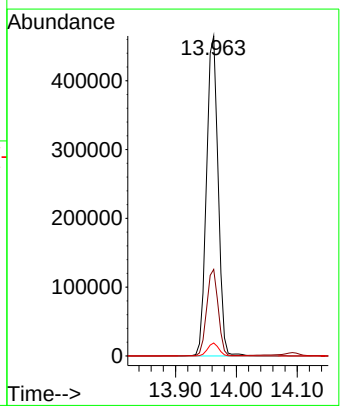


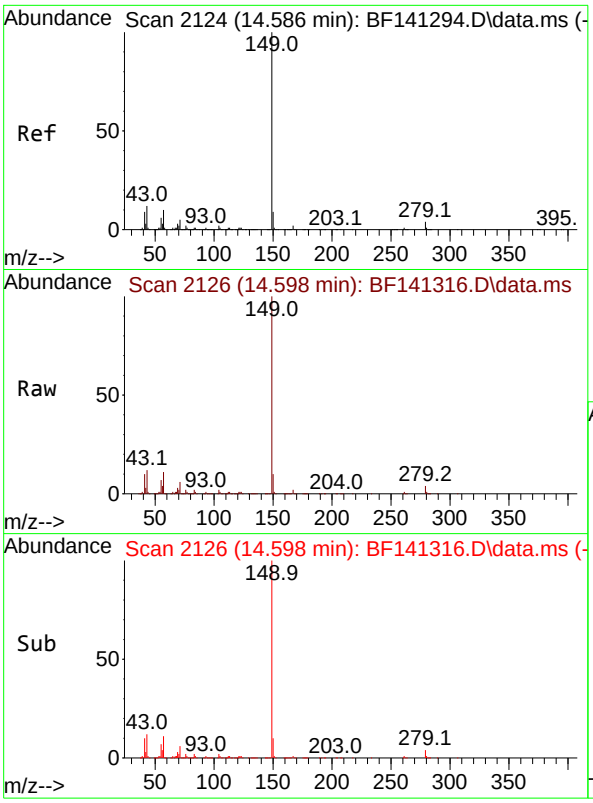


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.500 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:149 Resp: 617033

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.8	32.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 42.245 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:149 Resp: 90982

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.0	9.8	14.8

Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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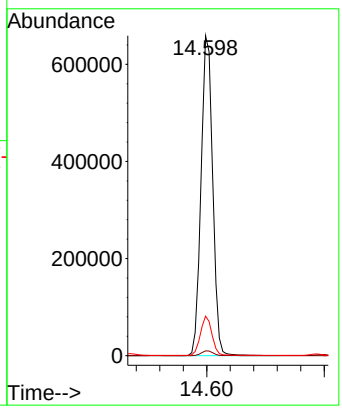
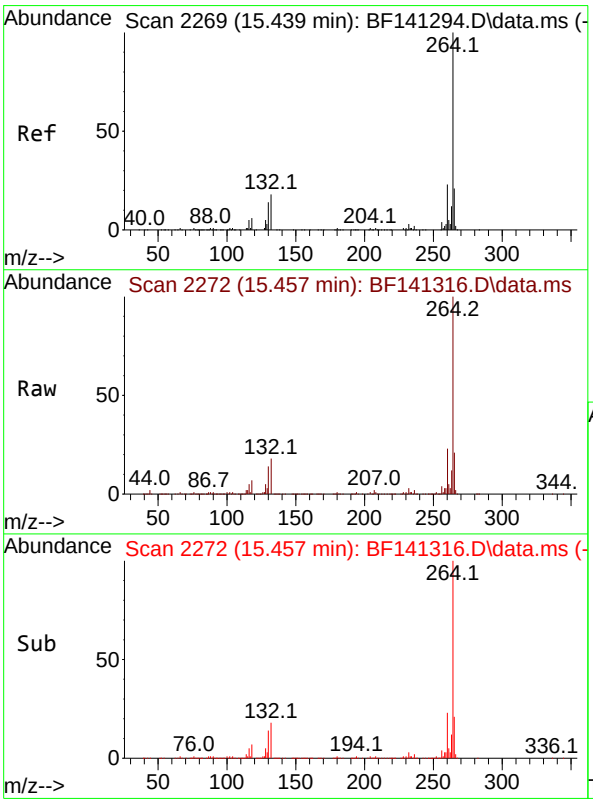
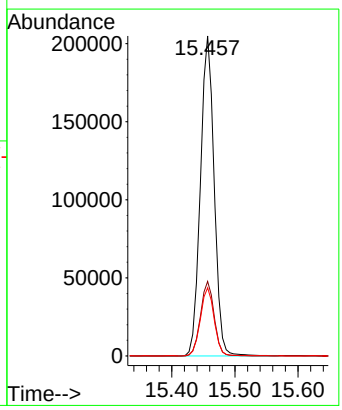


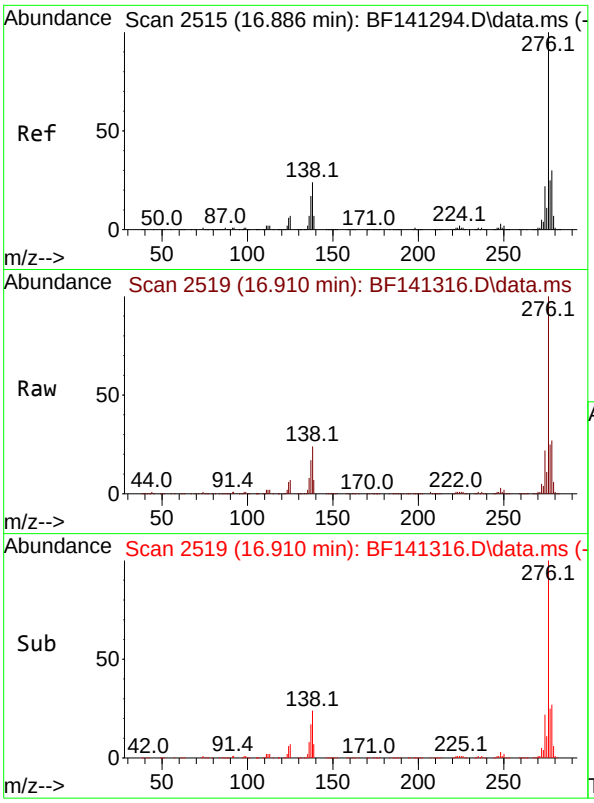


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:264 Resp: 310604

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.3	16.7	25.1

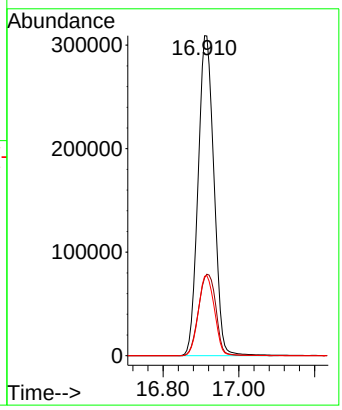




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.867 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:276 Resp: 89945

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.7	32.5
277	25.6	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
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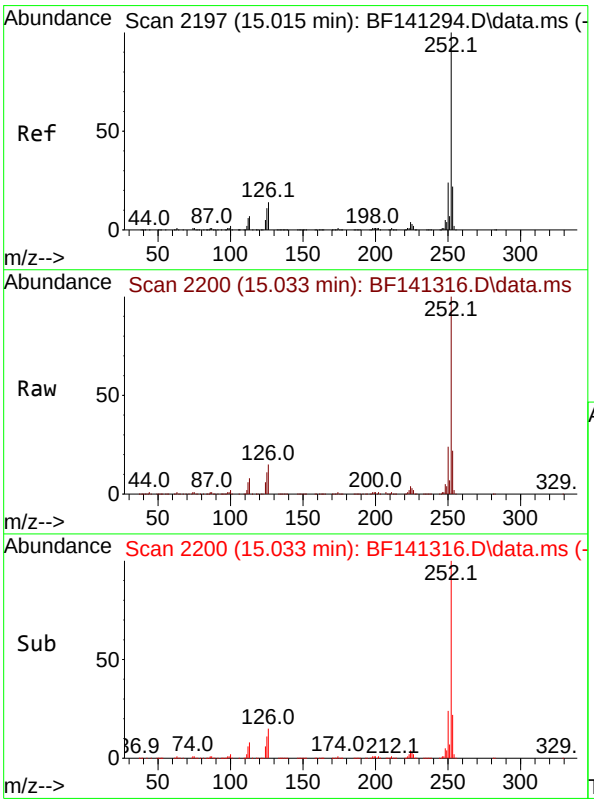
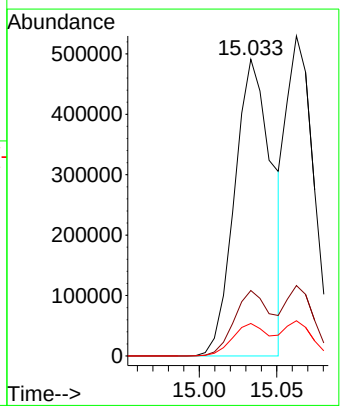
Supervised By :mohammad ahmed 01/31/2025

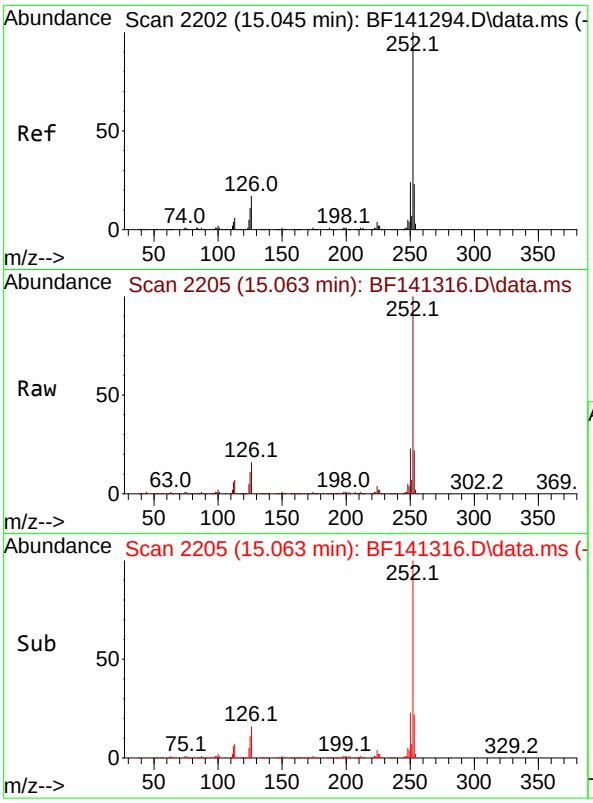


#88
Benzo(b)fluoranthene
Concen: 42.148 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:252 Resp: 823489

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.0	8.6	12.8

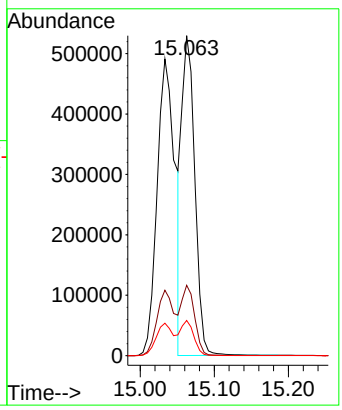




#89
Benzo(k)fluoranthene
Concen: 37.701 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:252 Resp: 65254

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	11.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

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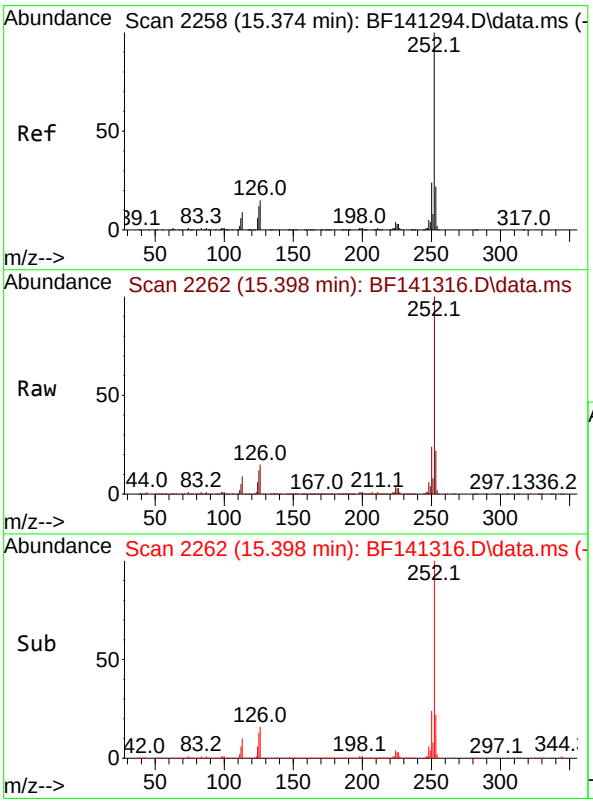
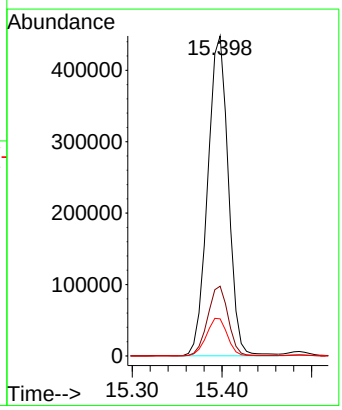
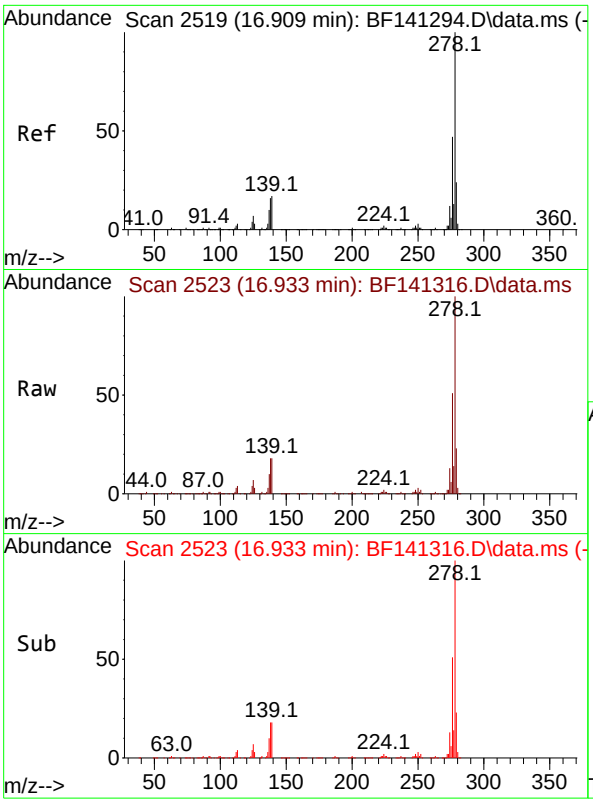


#90
Benzo(a)pyrene
Concen: 43.212 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:252 Resp: 713438

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.6	9.4	14.2

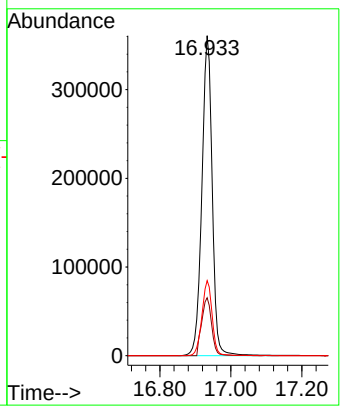




#91
Dibenzo(a,h)anthracene
Concen: 45.331 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:278 Resp: 73112

Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.9	20.9
279	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
WC-5MSD

Manual Integrations
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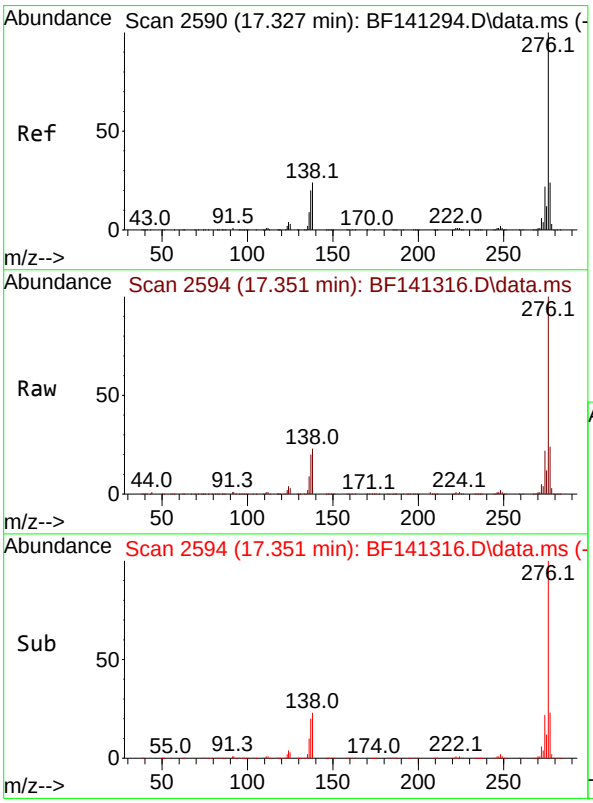
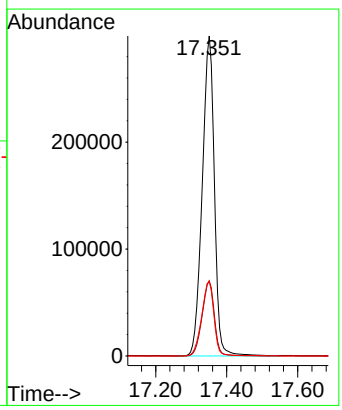
Supervised By :mohammad ahmed 01/31/2025



#92
Benzo(g,h,i)perylene
Concen: 42.582 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.006 min
Lab File: BF141316.D
Acq: 30 Jan 2025 16:30

Tgt Ion:276 Resp: 714115

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	23.3	19.0	28.4



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Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf013025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166335BS	BF141303.D	Caprolactam	Jagrut	1/30/2025 5:29:19 PM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software
Q1209-05MS	BF141315.D	Caprolactam	Jagrut	1/30/2025 5:29:42 PM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software
Q1209-05MSD	BF141316.D	Caprolactam	Jagrut	1/30/2025 5:29:46 PM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software
SSTDCCC040	BF141317.D	2,4-Dimethylphenol	yogesh	1/31/2025 6:32:18 AM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-19	BF141460.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:48 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-19	BF141460.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:44:48 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-03	BF141462.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:52 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-03	BF141462.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:44:52 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-11	BF141463.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:45:09 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-11	BF141463.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:45:09 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-07	BF141464.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:45:12 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-07	BF141464.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:45:12 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1207-15	BF141465.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:45:15 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
Q1207-15	BF141465.D	Benzo(k)fluoranthene	yogesh	2/6/2025 7:45:15 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM				
SubDirectory	BF012925	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141300.D	30 Jan 2025 08:28	RC/JU	Ok
2	SSTDCCC040	BF141301.D	30 Jan 2025 08:54	RC/JU	Ok
3	PB166216BL	BF141302.D	30 Jan 2025 09:20	RC/JU	Ok
4	PB166335BS	BF141303.D	30 Jan 2025 09:57	RC/JU	Ok,M
5	Q1168-02	BF141304.D	30 Jan 2025 10:23	RC/JU	Ok,M
6	Q1168-08	BF141305.D	30 Jan 2025 10:53	RC/JU	Ok,M
7	Q1168-02	BF141306.D	30 Jan 2025 11:55	RC/JU	Ok,M
8	Q1168-08	BF141307.D	30 Jan 2025 12:21	RC/JU	Ok,M
9	Q1168-01	BF141308.D	30 Jan 2025 12:47	RC/JU	Ok,M
10	Q1168-07	BF141309.D	30 Jan 2025 13:13	RC/JU	Ok,M
11	Q1168-01	BF141310.D	30 Jan 2025 13:39	RC/JU	Ok,M
12	Q1168-07	BF141311.D	30 Jan 2025 14:05	RC/JU	Ok,M
13	PB166339BL	BF141312.D	30 Jan 2025 14:32	RC/JU	Ok
14	Q1209-01	BF141313.D	30 Jan 2025 15:11	RC/JU	Ok,M
15	Q1209-05	BF141314.D	30 Jan 2025 15:37	RC/JU	Ok
16	Q1209-05MS	BF141315.D	30 Jan 2025 16:03	RC/JU	Ok,M
17	Q1209-05MSD	BF141316.D	30 Jan 2025 16:30	RC/JU	Ok,M
18	SSTDCCC040	BF141317.D	30 Jan 2025 17:04	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141300.D	30 Jan 2025 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141301.D	30 Jan 2025 08:54		RC/JU	Ok
3	PB166216BL	PB166216BL	BF141302.D	30 Jan 2025 09:20		RC/JU	Ok
4	PB166335BS	PB166335BS	BF141303.D	30 Jan 2025 09:57		RC/JU	Ok,M
5	Q1168-02	LOQ-SOIL-02-QT1-202	BF141304.D	30 Jan 2025 10:23	LOQ-SOIL-5 PPM	RC/JU	Ok,M
6	Q1168-08	LOQ-WATER-02-QT1-2	BF141305.D	30 Jan 2025 10:53	LOQ-WATER-5 PPM	RC/JU	Ok,M
7	Q1168-02	LOQ-SOIL-02-QT1-202	BF141306.D	30 Jan 2025 11:55	LOQ-SOIL-10 PPM	RC/JU	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	BF141307.D	30 Jan 2025 12:21	LOQ-WATER-10 PPM	RC/JU	Ok,M
9	Q1168-01	LOD-MDL-SOIL-01-QT	BF141308.D	30 Jan 2025 12:47	LOD-MDL-SOIL-4PPM	RC/JU	Ok,M
10	Q1168-07	LOD-MDL-WATER-01-(	BF141309.D	30 Jan 2025 13:13	LOD-MDL-WATER-4PPM	RC/JU	Ok,M
11	Q1168-01	LOD-MDL-SOIL-01-QT	BF141310.D	30 Jan 2025 13:39	LOD-MDL-SOIL-8PPM	RC/JU	Ok,M
12	Q1168-07	LOD-MDL-WATER-01-(	BF141311.D	30 Jan 2025 14:05	LOD-MDL-WATER-8PPM	RC/JU	Ok,M
13	PB166339BL	PB166339BL	BF141312.D	30 Jan 2025 14:32		RC/JU	Ok
14	Q1209-01	WC-4	BF141313.D	30 Jan 2025 15:11		RC/JU	Ok,M
15	Q1209-05	WC-5	BF141314.D	30 Jan 2025 15:37		RC/JU	Ok
16	Q1209-05MS	WC-5MS	BF141315.D	30 Jan 2025 16:03		RC/JU	Ok,M
17	Q1209-05MSD	WC-5MSD	BF141316.D	30 Jan 2025 16:30		RC/JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF141317.D	30 Jan 2025 17:04		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS/	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134456

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1191-03	A44Y0	1	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-04	A44Y1	2	1.00	1.00	2.00	2.00	100.0	FB solids
Q1191-09	VHBLK002	3	1.00	1.00	2.00	2.00	100.0	vhblk
Q1205-01	VNJ-236	4	1.15	8.64	9.79	8.68	87.2	
Q1206-01	JPP-20.1-012725	5	1.18	8.42	9.6	8.38	85.5	
Q1206-03	JPP-20.1-012725	6	1.19	8.50	9.69	8.46	85.5	
Q1206-05	JPP-16.3-012725	7	1.16	8.80	9.96	8.72	85.9	
Q1206-07	JPP-16.3-012725	8	1.19	8.51	9.7	8.38	84.5	
Q1207-01	JPP-2.1-012725	9	1.15	8.51	9.66	8.54	86.8	
Q1207-04	JPP-2.1-012725	10	1.16	8.61	9.77	8.7	87.6	
Q1207-05	JPP-5.1-012725	11	1.15	8.59	9.74	8.98	91.2	
Q1207-07	JPP-5.1-012725	12	1.18	8.60	9.78	9.00	90.9	
Q1207-08	JPP-5.1-012725	13	1.18	8.60	9.78	9.00	90.9	
Q1207-09	JPP-4.5-012725	14	1.17	8.82	9.99	8.49	83.0	
Q1207-11	JPP-4.5-012725	15	1.19	8.80	9.99	8.37	81.6	
Q1207-12	JPP-4.5-012725	16	1.19	8.80	9.99	8.37	81.6	
Q1207-13	JPP-16.2-012725	17	1.13	8.80	9.93	9.02	89.7	
Q1207-15	JPP-16.2-012725	18	1.15	8.67	9.82	8.85	88.8	
Q1207-16	JPP-16.2-012725	19	1.15	8.67	9.82	8.85	88.8	
Q1207-17	JPP-20.2-012725	20	1.12	8.77	9.89	8.85	88.1	
Q1207-19	JPP-20.2-012725	21	1.17	8.53	9.7	8.66	87.8	
Q1207-20	JPP-20.2-012725	22	1.17	8.53	9.7	8.66	87.8	
Q1208-01	60304	23	1.00	1.00	2.00	2.00	100.0	oil sample
Q1209-01	WC-4	24	1.17	8.80	9.97	8.5	83.3	
Q1209-02	WC-4-EPH	25	1.15	8.64	9.79	8.39	83.8	
Q1209-03	WC-4-VOC	26	1.14	8.82	9.96	8.56	84.1	
Q1209-05	WC-5	27	1.15	8.82	9.97	8.95	88.4	
Q1209-06	WC-5-EPH	28	1.13	8.85	9.98	8.55	83.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 01/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:10
Out Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134456

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1209-07	WC-5-VOC	29	1.15	8.74	9.89	8.27	81.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VR 134456

WorkList Name : %1-012825 **WorkList ID :** 187196 **Department :** Wet-Chemistry **Date :** 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1206-01	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-03	JPP-20.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-05	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1206-07	JPP-16.3-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-01	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-04	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-13	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-15	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-16	JPP-16.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-17	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-19	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-20	JPP-20.2-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-05	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-07	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-08	JPP-5.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-09	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-11	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1207-12	JPP-4.5-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1205-01	VNJ-236	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1208-01	60304	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	01/28/2025	Chemtech -SO
Q1209-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO

Date/Time 01/28/25 15:30

Raw Sample Received by: TB WC)

Raw Sample Relinquished by: CB SM

Date/Time 01/28/25 17:10

Raw Sample Received by: SM

Raw Sample Relinquished by: TB WC)

WORKLIST(Hardcopy Internal Chain)

JB 134456

WorkList Name : %1-012825 **WorkList ID :** 187196 **Department :** Wet-Chemistry **Date :** 01-28-2025 07:59:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1209-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1209-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-03	A44Y0	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/28/2025	Chemtech -SO
Q1191-04	A44Y1	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/24/2025	Chemtech -SO
Q1191-09	VHBLK002	Solid	Percent Solids	Cool 4 deg C	USEP04	B21	01/25/2025	Chemtech -SO

Date/Time 01/28/25 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 01/28/25 17:10

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 1/30/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 16:40
In Date: 01/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 01/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134472

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1207-03	JPP-2.1-012725	1	1.16	8.61	9.77	8.7	87.6	
Q1218-01	BELL-25-002	2	1.00	1.00	2.00	2.00	100.0	oily-debris
Q1219-01	LAW-25-0015	3	1.00	1.00	2.00	2.00	100.0	oily-debris
Q1220-01	TR-06-01292025	4	1.15	8.40	9.55	8.98	93.2	
Q1220-02	TR-06-01292025-E2	5	1.17	8.58	9.75	8.87	89.7	
Q1221-01	CHESTNUT-CONCRETE	6	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

VB 134472

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-012925 **WorkList ID :** 187236 **Department :** Wet-Chemistry **Date :** 01-29-2025 07:55:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1207-03	JPP-2.1-012725	Solid	Percent Solids	Cool 4 deg C	RUTW01	E11	01/27/2025	Chemtech -SO
Q1218-01	BELL-25-002	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/29/2025	Chemtech -SO
Q1219-01	LAW-25-0015	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/29/2025	Chemtech -SO
Q1221-01	CHESTNUT-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	01/29/2025	Chemtech -SO
Q1220-01	TR-06-01292025	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/29/2025	Chemtech -SO
Q1220-02	TR-06-01292025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	N41	01/29/2025	Chemtech -SO

Date/Time 01/29/25 15:40 15:40

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 01/29/25 17:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166335

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 01/29/2025

Extraction Start Time : 08:40

Extraction End Date : 01/29/2025

Extraction End Time : 12:00

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ext Lab)	AC/SVOC
12:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166335

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/29/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166335BL	SBLK335	SVOC-TCL BNA -20	30.02	N/A	RUPESH	Evelyn	1			U2-1
PB166335BS	SLCS335	SVOC-TCL BNA -20	30.01	N/A	RUPESH	Evelyn	1			2
Q1205-01	VNJ-236	SVOC-TCL BNA -20	50.07	N/A	RUPESH	Evelyn	1	F		3
Q1206-03	JPP-20.1-012725	SVOC-TCL BNA -20	30.06	N/A	RUPESH	Evelyn	1	F		4
Q1206-07	JPP-16.3-012725	SVOC-TCL BNA -20	30.08	N/A	RUPESH	Evelyn	1	F		5
Q1207-03	JPP-2.1-012725	SVOC-TCL BNA -20	30.05	N/A	RUPESH	Evelyn	1	F		6
Q1207-07	JPP-5.1-012725	SVOC-TCL BNA -20	30.01	N/A	RUPESH	Evelyn	1	F		U6-1
Q1207-11	JPP-4.5-012725	SVOC-TCL BNA -20	30.03	N/A	RUPESH	Evelyn	1	F		2
Q1207-15	JPP-16.2-012725	SVOC-TCL BNA -20	30.09	N/A	RUPESH	Evelyn	1	F		3
Q1207-19	JPP-20.2-012725	SVOC-TCL BNA -20	30.05	N/A	RUPESH	Evelyn	1	F		4
Q1209-01	WC-4	SVOC-TCL BNA -20	50.04	N/A	RUPESH	Evelyn	1	A		5
Q1209-05	WC-5	SVOC-TCL BNA -20	50.02	N/A	RUPESH	Evelyn	1	A		6
Q1209-05MS	WC-5MS	SVOC-TCL BNA -20	50.07	N/A	RUPESH	Evelyn	1	A		U5-1
Q1209-05MS D	WC-5MSD	SVOC-TCL BNA -20	50.06	N/A	RUPESH	Evelyn	1	A		2

* **Extracts relinquished on the same date as received.**

1/29/25

Q1207-SVOC-TCL BNA -20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1209 **WorkList ID :** 187241 **Department :** Extraction **Date :** 01-29-2025 08:24:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1205-01	VNJ-236	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N31	01/28/2025	8270E
Q1206-03	JPP-20.1-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1206-07	JPP-16.3-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1207-03	JPP-2.1-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1207-07	JPP-5.1-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1207-11	JPP-4.5-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1207-15	JPP-16.2-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1207-19	JPP-20.2-012725	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RUTW01	E11	01/27/2025	8270E
Q1209-01	WC-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	01/28/2025	8270E
Q1209-05	WC-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N41	01/28/2025	8270E

1012 of 1093

Date/Time 01/29/25 915

Raw Sample Received by: RS (Set log)

Raw Sample Relinquished by:

Date/Time 01/29/25 1015

Raw Sample Received by:

Raw Sample Relinquished by: RS (Set log)

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Prep Standard - Chemical Standard Summary

Order ID : Q1207

Test : SVOC-TCL BNA -20

Prepbatch ID : PB166335,

Sequence ID/Qc Batch ID: BF013025,BF020325,BF020525,

Standard ID :
EP2578,EP2580,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6717,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3815,E3827,E3828,E3846,E3848,E3871,S10103,S10246,S10393,S10583,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11085,S11086,S11093,S11099,S11103,S11138,S11141,S11160,S11494,S11495,S11649,S11776,S11777,S11778,S11779,S11780,S12079,S12113,S12114,S12134,S12135,S12136,S12137,S12138,S12139,S12140,S12141,S12142,S12187,S12188,S12189,S12207,S12208,S12275,S12276,S12327,S12461,S12462,S12463,S12464,S12465,S12466,S12467,S12468,S12469,S12510,S 12511,S12512,S12513,S12514,S12515,S12516,S12517,S12649,S12650,S12790,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2578	01/06/2025	06/18/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 01/06/2025

FROM 8000.00000ml of E3846 + 8000.00000ml of E3848 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2580	01/17/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/17/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6672	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.05000ml of S12114 + 0.20000ml of S11093 + 0.20000ml of S11494 + 0.20000ml of S11495 + 0.20000ml of S12276 + 0.26700ml of S10103 + 0.40000ml of S11103 + 0.40000ml of S12275 + 0.45000ml of S12113 + 0.50000ml of S11085 + 0.50000ml of S11086 + 0.50000ml of S12079 + 0.50000ml of S12790 + 0.80000ml of S11160 + 1.00000ml of S11099 + 3.83300ml of E3828 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6673	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.20000ml of E3828 + 0.80000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6674	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.40000ml of E3828 + 0.60000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6675	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6676	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6677	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.80000ml of E3828 + 0.20000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6678	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.90000ml of E3828 + 0.10000ml of SP6672 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6679	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.95000ml of E3828 + 0.05000ml of SP6672 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6680	11/12/2024	02/08/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.50000ml of E3828 + 0.50000ml of SP6679 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6681	11/14/2024	02/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 11/18/2024

FROM 0.20000ml of S12142 + 0.40000ml of S10393 + 0.40000ml of S10583 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.40000ml of S11649 + 0.40000ml of S11776 + 0.70000ml of S11780 + 0.80000ml of S12461 + 0.80000ml of S12469 + 0.90000ml of S12510 + 1.00000ml of S12134 + 1.00000ml of S12141 + 1.20000ml of S12462 + 1.20000ml of S12463 + 1.20000ml of S12464 + 1.20000ml of S12465 + 1.20000ml of S12466 + 1.20000ml of S12467 + 1.20000ml of S12468 + 1.30000ml of S11777 + 1.30000ml of S11778 + 1.30000ml of S11779 + 1.30000ml of S12135 + 1.30000ml of S12136 + 1.30000ml of S12137 + 1.30000ml of S12138 + 1.30000ml of S12139 + 1.30000ml of S12140 + 1.30000ml of S12511 + 1.30000ml of S12512 + 1.30000ml of S12513 + 1.30000ml of S12514 + 1.30000ml of S12515 + 1.30000ml of S12516 + 1.30000ml of S12517 + 163.00000ml of E3827 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/08/2025	11/08/2024 / Rajesh	11/07/2024 / Rajesh	E3827

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	06/18/2025	12/18/2024 / Rajesh	12/09/2024 / Rajesh	E3848

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	03/13/2025	09/13/2024 / yogesh	05/18/2022 / Christian	S10393

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	03/11/2025	09/11/2024 / Rahul	02/07/2023 / Christian	S11085

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11086

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	495831	05/12/2025	11/12/2024 / Jagrut	02/07/2023 / Christian	S11099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	05/12/2025	11/12/2024 / Jagrut	03/06/2023 / Christian	S11160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	03/13/2025	09/13/2024 / anahy	11/09/2023 / Yogesh	S11649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	03/13/2025	09/13/2024 / anahy	11/21/2023 / Rahul	S11776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11777

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11778

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11779

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	05/14/2025	11/14/2024 / Jagrut	11/21/2023 / Rahul	S11780

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	04/24/2025	10/24/2024 / Jagrut	01/31/2024 / Rahul	S12079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	02/09/2025	08/09/2024 / Jagrut	03/08/2024 / Rahul	S12113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	03/13/2025	09/13/2024 / anahy	03/15/2024 / Rahul	S12134

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12135

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12136

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12137

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12138

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12139

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12140

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12141

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	03/11/2025	09/11/2024 / Rahul	05/24/2024 / Rahul	S12275

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12461

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12462

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12463

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12464

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12465

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12467

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12468

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/13/2025	09/13/2024 / anahy	07/23/2024 / RAHUL	S12510

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12511

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12512

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12513

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12514

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12515

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12516

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/03/2025	02/03/2025 / anahy	09/20/2024 / anahy	S12650

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12790

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090 -04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	495831	≤ -10 °C	Methylene Chloride	10/30/2027	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*Not a certified value

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Certified By: Briana Smith

Briana Smith
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol		1,003.6 µg/mL	+/- 5.8897 µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)		+/- 45.7132 µg/mL	Unstressed
	Purity 99%			+/- 66.0037 µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)		1,006.6 µg/mL	+/- 5.9074 µg/mL	Gravimetric
	CAS # 5074-71-5	(Lot Q117-147)		+/- 45.8508 µg/mL	Unstressed
	Purity 95%			+/- 66.2023 µg/mL	Stressed
3	Benzidine		1,008.4 µg/mL	+/- 5.9179 µg/mL	Gravimetric
	CAS # 92-87-5	(Lot 211228JLM)		+/- 45.9318 µg/mL	Unstressed
	Purity 99%			+/- 66.3193 µg/mL	Stressed
4	4,4'-DDT		1,007.6 µg/mL	+/- 5.9132 µg/mL	Gravimetric
	CAS # 50-29-3	(Lot 210916JLM)		+/- 45.8954 µg/mL	Unstressed
	Purity 99%			+/- 66.2667 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

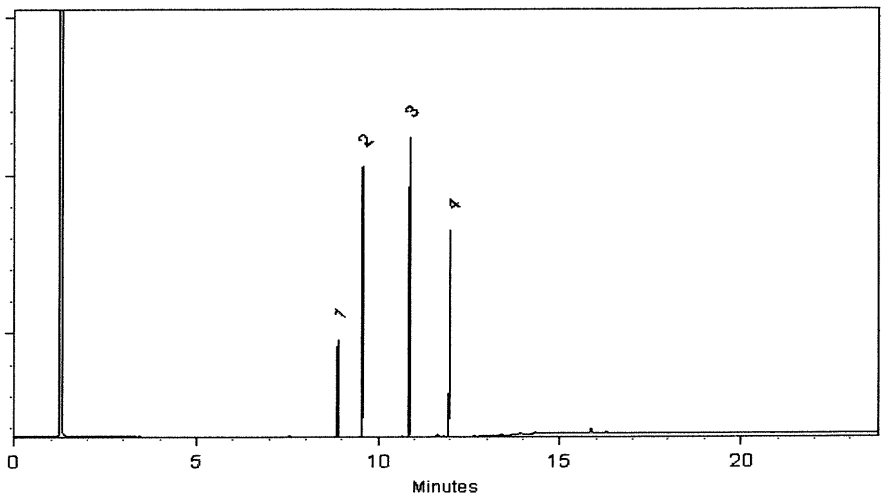
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

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Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

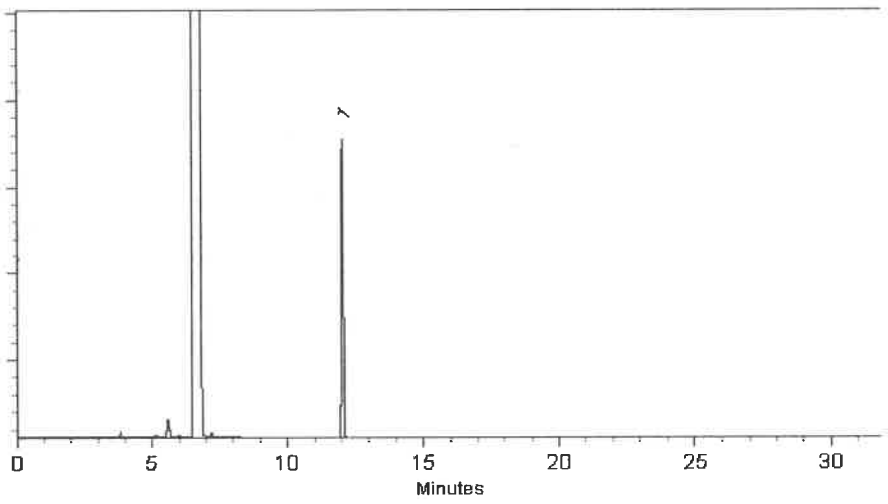
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL	Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

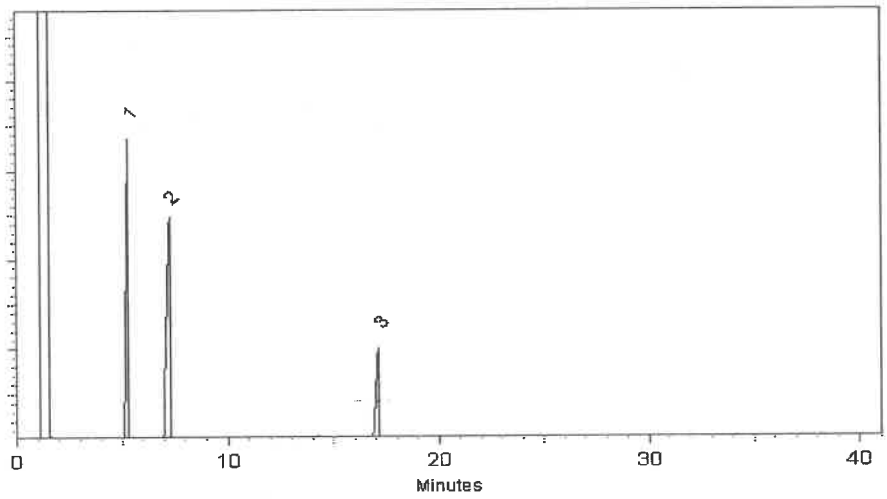
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

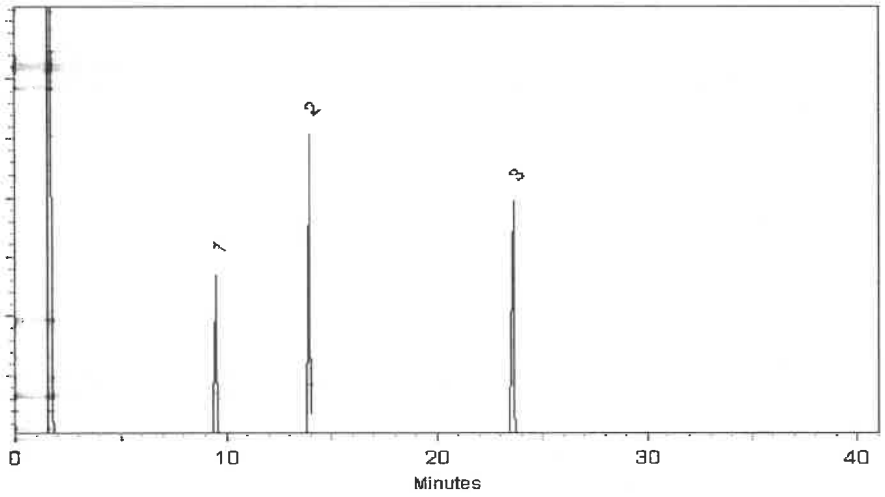
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0194698

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFI

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek's Registered Quality Certificate #FM 8

tified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
ity, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.
nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.
isomeric compounds is reported as the sum of the isomers.
lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.
ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability n, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with dards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, ides complete instructions.
ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3827

Recd by RP on ~~11/6~~ 11/7/24
RP 11/7

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3848

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

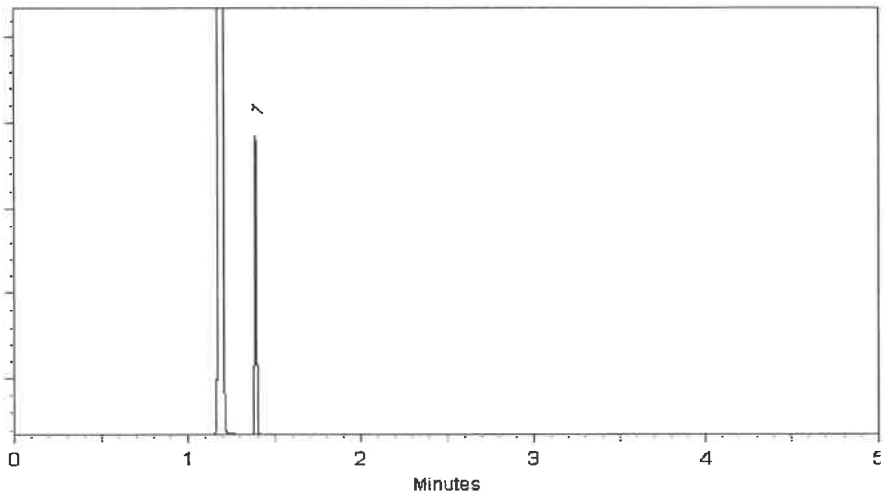
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12075
↓
S12079
RC
02/01/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

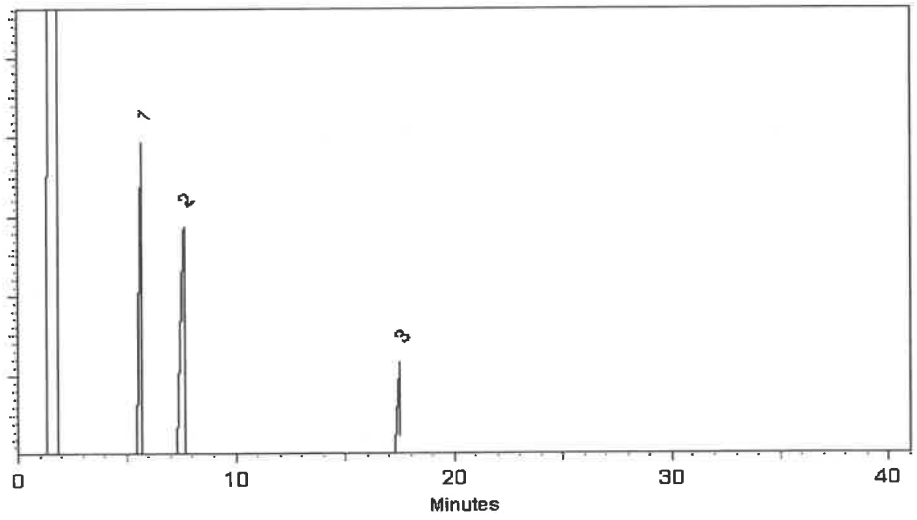
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

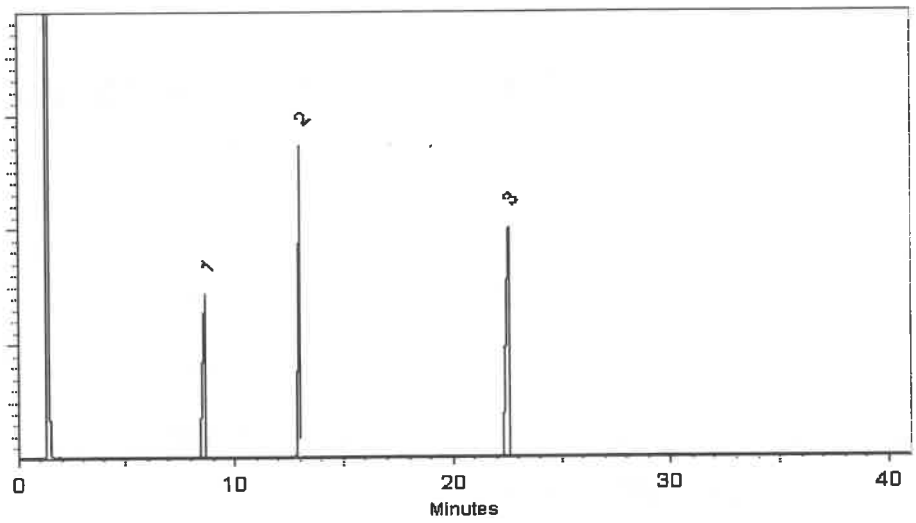
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

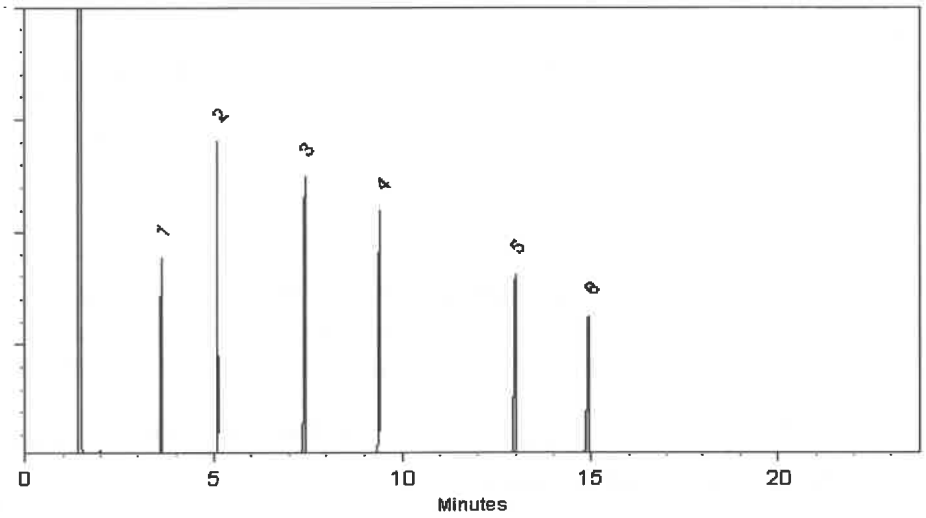
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

gravimetric

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

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Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12280 ↓ S12284 RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1207
QUOTE NO.
COC Number 2038583

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RU2 Engineering LLC
ADDRESS: 2 Melinda Drive, Monroe Twp, NJ 08831
CITY STATE: ZIP:
ATTENTION: Ruta Manani
PHONE: 609-409-4564 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: SANDTWOBR BMLR Project
PROJECT NO.: LOCATION: Brooklyn, NYC
PROJECT MANAGER: Ruta Manani
e-mail: Rmanani@RU2eng.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same as company address PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard 10 days DAYS*
HARDCOPY (DATA PACKAGE): Standard 10 days DAYS*
EDD: Standard 10 days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 TCL VOCs + MTBE + TBA
2 TCLP VOCs
3 TPH GRO-DRO
4 TCL SVOCs + TICs
5 TAL Metals
6 Pesticides, PCBs
7 RCRA characteristics
8 Paint filter
9 full TCLP

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	JPP-2.1-012725	Soil		G	1/27/25	9:05	3	X	X	X							
2.	JPP-2.1-012725	Soil	C		1/27/25	9:08	7			X	X	X	X	X	X	X	
3.	JPP-5.1-012725	Soil		G	1/27/25	10:10	3	X	X	X							
4.	JPP-5.1-012725	Soil	C		1/27/25	10:16	7			X	X	X	X	X	X	X	
5.	JPP-4.5-012725	Soil		G	1/27/25	10:50	3	X	X	X							
6.	JPP-4.5-012725	Soil	C		1/27/25	10:50	7			X	X	X	X	X	X	X	
7.	JPP-16.2-012725	Soil		G	1/27/25	12:07	3	X	X	X							
8.	JPP-16.2-012725	Soil	C		1/27/25	12:09	7			X	X	X	X	X	X	X	
9.	JPP-20.2-012725	Soil		G	1/27/25	13:40	3	X	X	X							
10.	JPP-20.2-012725	Soil	C		1/27/25	13:40	7			X	X	X	X	X	X	X	

PRESERVATIVES: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. RM	1/28/2025	1. 1053 1-28-25
2.		2.
3. 1254 1-28-25		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3-7 °C
Comments: Preserve extra sample jar if additional analysis is required.

Page ____ of ____
CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1207 RUTW01
Client Name : RU2 Engineering, LLC
Client Contact : Rutu Manani
Invoice Name : RU2 Engineering, LLC
Invoice Contact : Rutu Manani

Order Date : 1/28/2025 11:40:00 AM YG 02/03/25
Project Name : ~~SANDTWOBR BMCR Bro~~ NYCDDC SANTWOBR Brooklyn Bridge BBMCR
Receive DateTime : 1/28/2025 12:59:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1207-01	JPP-2.1-012725	Solid	01/27/2025	09:05					
					VOCMS Group1		8260D		10 Bus. Days
Q1207-05	JPP-5.1-012725	Solid	01/27/2025	10:10					
					VOCMS Group1		8260D		10 Bus. Days
Q1207-09	JPP-4.5-012725	Solid	01/27/2025	10:50					
					VOCMS Group1		8260D		10 Bus. Days
Q1207-13	JPP-16.2-012725	Solid	01/27/2025	12:07					
					VOCMS Group1		8260D		10 Bus. Days
Q1207-17	JPP-20.2-012725	Solid	01/27/2025	13:40					
					VOCMS Group1		8260D		10 Bus. Days

Relinguished By :
Date / Time : 1-28-25 1447

Received By :
Date / Time : 1/28/25 1447
Storage Area : **VOA Refridgerator Room**

NgHb
E-2